



# Liftcrane Boom Capacities With Luffing Jib Attached

Meets  
ANSI B30.5  
Requirements

## MAX-ER 225 On 2250 or M-250

**Boom No. 49A-44 With Heavy Lift Top**  
**Luffing Jib No. 133 or No. 133A**  
**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 Hanging Counterweight**  
**360 Degree Rating**

**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 for operation without hanging counterweight.

Weight of all load blocks, hooks, weight ball, slings, hoist lines, etc., beneath boom point sheaves, is considered part of main boom load. Weight of luffing jib and 2 270 kg suspended beneath luffing jib point sheaves have been included in capacity determination. Boom is not to be lowered beyond radii where combined weights are greater than rated capacity. Where no capacity is shown, operation is not intended or approved.

**OPERATING CONDITIONS:** Machine to operate in a level position on a firm uniformly supporting surface with gantry and mast up. During operation, luffing jib must be maintained at proper boom to luffing jib angle shown in table. Refer to luffing jib assembly **No. 176153**, **No. 177334** or **No. 192108**, Wire Rope Specification chart **No. 7581-J**, Luffing Jib Raising Procedure chart **No. 7728-A**, 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 and luffing jib set at proper boom to luffing jib angle shown in table. Refer to Maximum Allowable Travel Specification chart **No. 7759-A**.

**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, 10 part luffing jib hoist reeving, two 38 mm luffing jib pendants and backstays, 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 chart series **No. 7751** for luffing jib capacities.

Luffing Jib Position During Operation	
Luffing Jib Length - Meters	Boom To Luffing Jib Angle
21.3	145 Degrees
24.4 - 27.4	150 Degrees
30.5 - 33.5	160 Degrees
36.6 - 61.0	168 Degrees

Deduct From Boom Capacities When Fixed Jib Is Attached To Luffing Jib	
Fixed Jib Length	Fixed Jib No. 140
12.2m	9 070 kg
18.3m	10 430 kg
24.4m	11 790 kg
30.5m	14 060 kg
36.6m	16 330 kg
1 360 kg Suspended Beneath Fixed Jib Point Included In Deducts.	



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Luffing Jib No. 133 or No. 133A  
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 Hanging Counterweight  
360 Degree Rating

**21.3m (70 Ft.) Luffing Jib  
145 Degree Boom to Luffing Jib Angle**

Boom Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	0 kg Hanging Counterweight	24 950 kg Hanging Counterweight		61 230 kg Hanging Counterweight		102 060 kg Hanging Counterweight		Boom 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	
<b>42.7m (140 Ft.) BOOM</b>										
7.9	82.7	45.3	193 600 *	48 300	212 800 *	105 500	217 700 *			7.9
8.0	82.6	45.3	191 800 *	47 500	210 900 *	104 100	217 700 *			8.0
8.5	82.0	45.2	180 000 *	41 800	198 100 *	94 200	217 700 *			8.5
9.0	81.3	45.1	169 400 *	36 800	186 500 *	85 700	209 300 *	141 000	217 700 *	9.0
10.0	79.9	44.9	151 300 *	28 800	166 800 *	71 800	188 200 *	120 300	212 400 *	10.0
11.0	78.5	44.7	133 800	22 400	150 500 *	60 900	170 000 *	104 200	192 100 *	11.0
12.0	77.2	44.5	115 400	17 300	136 800 *	52 000	154 800 *	91 200	175 000 *	12.0
13.0	75.8	44.2	100 900	13 000	124 900	44 700	141 700 *	80 400	160 500 *	13.0
14.0	74.4	43.9	89 100	9 500	112 000	38 600	130 500 *	71 400	148 000 *	14.0
15.0	73.0	43.6	79 400	6 500	100 300	33 400	120 700 *	63 800	137 000 *	15.0
16.0	71.5	43.2	71 200	3 900	90 400	28 900	112 000 *	57 100	127 400 *	16.0
18.0	68.7	42.5	58 200		74 800	21 600	97 500 *	46 400	111 200 *	18.0
20.0	65.7	41.6	48 500		63 000	15 900	83 500	38 000	98 300 *	20.0
22.0	62.7	40.6	40 700		53 700	11 300	72 000	31 200	87 500 *	22.0
24.0	59.6	39.4	34 500		46 300	7 500	62 700	25 600	78 500 *	24.0



# Liftcrane Boom Capacities With Luffing Jib Attached

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Luffing Jib No. 133 or No. 133A  
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 Hanging Counterweight  
360 Degree Rating

**21.3m (70 Ft.) Luffing Jib**  
**145 Degree Boom to Luffing Jib Angle**

Boom Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	0 kg Hanging Counterweight	24 950 kg Hanging Counterweight		61 230 kg Hanging Counterweight		102 060 kg Hanging Counterweight		Boom 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	
<b>48.8m (160 Ft.) BOOM</b>										
8.5	82.9	51.3	178 800 *	42 100	196 700 *	94 700	217 700 *	153 900	217 700 *	8.5
9.0	82.4	51.3	169 200 *	37 600	186 300 *	86 900	209 000 *	142 500	217 700 *	9.0
10.0	81.2	51.1	150 900 *	29 300	166 500 *	72 600	187 800 *	121 500	213 700 *	10.0
11.0	80.0	50.9	134 000	22 900	150 100 *	61 500	169 700 *	105 100	191 700 *	11.0
12.0	78.8	50.7	115 500	17 700	136 400 *	52 600	154 500 *	92 000	174 700 *	12.0
13.0	77.6	50.5	101 000	13 400	124 700	45 200	141 400 *	81 100	160 200 *	13.0
14.0	76.4	50.2	89 300	9 800	112 200	39 000	130 200 *	72 000	147 700 *	14.0
15.0	75.2	50.0	79 500	6 700	100 400	33 800	120 400 *	64 300	136 800 *	15.0
16.0	73.9	49.7	71 300	4 100	90 500	29 300	111 700 *	57 600	127 100 *	16.0
18.0	71.5	49.0	58 300		74 900	21 900	97 200 *	46 700	111 000 *	18.0
20.0	68.9	48.2	48 500		63 000	16 100	83 600	38 200	98 000 *	20.0
22.0	66.4	47.4	40 700		53 800	11 400	72 100	31 400	87 300 *	22.0
24.0	63.8	46.4	34 500		46 300	7 600	62 800	25 800	78 300 *	24.0
26.0	61.1	45.3	29 400		40 100	4 400	55 100	21 100	70 700 *	26.0
28.0	58.3	44.1	25 100		35 000	1 700	48 800	17 100	64 100	28.0



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 Luffing Jib No. 133 or No. 133A  
 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 Hanging Counterweight  
 360 Degree Rating

### 21.3m (70 Ft.) Luffing Jib 145 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	0 kg Hanging Counterweight	24 950 kg Hanging Counterweight		61 230 kg Hanging Counterweight		102 060 kg Hanging Counterweight		Boom 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	
<b>54.9m (180 Ft.) BOOM</b>										
9.8	82.4	57.3	153 600 *	30 900	169 500 *	75 900	191 400 *	126 700	216 000 *	9.8
10.0	82.2	57.3	149 600 *	29 100	165 200 *	72 800	186 600 *	122 200	210 700 *	10.0
11.0	81.1	57.1	133 600	22 400	148 700 *	61 400	168 300 *	105 300	190 300 *	11.0
12.0	80.1	56.9	115 000	17 000	135 000 *	52 200	153 000 *	91 900	173 300 *	12.0
13.0	79.0	56.7	100 400	12 600	123 300 *	44 600	140 000 *	80 800	158 800 *	13.0
14.0	77.9	56.5	88 600	8 900	111 500	38 400	128 800 *	71 600	146 200 *	14.0
15.0	76.8	56.3	78 800	5 700	99 700	33 000	118 900 *	63 700	135 300 *	15.0
16.0	75.8	56.0	70 500	3 000	89 700	28 300	110 300 *	56 900	125 700 *	16.0
18.0	73.6	55.4	57 400		74 000	20 700	95 800 *	45 800	109 600 *	18.0
20.0	71.4	54.8	47 500		62 100	14 900	82 600	37 100	96 500 *	20.0
22.0	69.2	54.0	39 700		52 700	10 100	71 000	30 200	85 800 *	22.0
24.0	66.9	53.2	33 400		45 200	6 200	61 700	24 400	76 800 *	24.0
26.0	64.6	52.2	28 300		39 000	2 900	54 100	19 700	69 300 *	26.0
28.0	62.2	51.2	24 000		33 800		47 600	15 600	62 700 *	28.0
30.0	59.8	50.0	20 300		29 400		42 100	12 100	56 600	30.0
32.0	57.3	48.8	17 100		25 600		37 500	9 100	50 800	32.0



# Liftcrane Boom Capacities With Luffing Jib Attached

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## MAX-ER 225 On 2250 or M-250

Boom No. 49A-44 With Heavy Lift Top  
Luffing Jib No. 133 or No. 133A  
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 Hanging Counterweight  
360 Degree Rating

**21.3m (70 Ft.) Luffing Jib**  
**145 Degree Boom to Luffing Jib Angle**

Boom Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	0 kg Hanging Counterweight		24 950 kg Hanging Counterweight		61 230 kg Hanging Counterweight		102 060 kg Hanging Counterweight		Boom 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	
<b>61.0m (200 Ft.) BOOM</b>											
10.4	82.6	63.4	143 600 *	27 300	158 500 *	69 600	179 300 *	117 200	202 500 *	10.4	
11.0	82.0	63.3	134 200	23 200	148 500 *	62 500	168 100 *	106 900	190 100 *	11.0	
12.0	81.1	63.1	115 500	17 700	134 800 *	53 200	152 800 *	93 200	173 100 *	12.0	
13.0	80.1	62.9	100 800	13 200	123 100 *	45 500	139 800 *	82 000	158 600 *	13.0	
14.0	79.1	62.8	88 900	9 400	111 800	39 100	128 500 *	72 500	146 000 *	14.0	
15.0	78.2	62.5	79 000	6 200	99 900	33 600	118 700 *	64 500	135 100 *	15.0	
16.0	77.2	62.3	70 700	3 400	89 900	28 900	110 100 *	57 600	125 500 *	16.0	
18.0	75.3	61.8	57 600		74 200	21 200	95 600 *	46 400	109 300 *	18.0	
20.0	73.3	61.2	47 600		62 200	15 200	82 800	37 600	96 400 *	20.0	
22.0	71.3	60.5	39 800		52 800	10 400	71 100	30 500	85 600 *	22.0	
24.0	69.3	59.8	33 500		45 200	6 400	61 700	24 700	76 700 *	24.0	
26.0	67.3	58.9	28 300		39 000	3 100	54 100	19 900	69 000 *	26.0	
28.0	65.2	58.0	24 000		33 800		47 600	15 800	62 400 *	28.0	
30.0	63.1	57.0	20 300		29 400		42 100	12 200	56 500	30.0	
32.0	61.0	55.9	17 100		25 500		37 400	9 200	50 800	32.0	
34.0	58.8	54.7	14 300		22 200		33 300	6 500	45 800	34.0	



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## MAX-ER 225 On 2250 or M-250

Boom No. 49A-44 With Heavy Lift Top  
Luffing Jib No. 133 or No. 133A  
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 Hanging Counterweight  
360 Degree Rating

### 21.3m (70 Ft.) Luffing Jib 145 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	0 kg Hanging Counterweight	24 950 kg Hanging Counterweight		61 230 kg Hanging Counterweight		102 060 kg Hanging Counterweight		Boom 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	
<b>67.1m (220 Ft.) BOOM</b>										
11.0	82.8	69.5	134 500 *	24 000	148 600 *	63 800	163 800 *	108 600	163 800 *	11.0
12.0	81.9	69.3	115 800	18 300	134 600 *	54 000	153 000 *	94 300	163 800 *	12.0
13.0	81.0	69.1	101 000	13 700	122 900 *	46 200	139 500 *	82 900	159 000 *	13.0
14.0	80.1	69.0	89 100	9 800	111 900	39 700	128 300 *	73 400	145 800 *	14.0
15.0	79.3	68.8	79 200	6 600	100 100	34 100	118 500 *	65 300	134 900 *	15.0
16.0	78.4	68.6	70 800	3 700	90 000	29 300	109 900 *	58 300	125 300 *	16.0
18.0	76.6	68.1	57 700		74 200	21 600	95 400 *	46 900	109 100 *	18.0
20.0	74.9	67.6	47 700		62 300	15 500	82 800	38 000	96 100 *	20.0
22.0	73.1	66.9	39 800		52 800	10 600	71 100	30 800	85 400 *	22.0
24.0	71.3	66.3	33 500		45 300	6 600	61 800	25 000	76 400 *	24.0
26.0	69.5	65.5	28 300		39 000	3 200	54 100	20 100	68 800 *	26.0
28.0	67.6	64.7	24 000		33 800		47 600	15 900	62 200 *	28.0
30.0	65.7	63.8	20 300		29 300		42 100	12 400	56 400	30.0
32.0	63.8	62.8	17 100		25 500		37 400	9 300	50 800	32.0
34.0	61.9	61.8	14 300		22 200		33 300	6 600	45 800	34.0
36.0	59.9	60.6	11 800		19 300		29 700	4 200	41 400	36.0
38.0	57.9	59.4	9 700		16 700		26 500	2 000	37 500	38.0



# Liftcrane Boom Capacities With Luffing Jib Attached

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Luffing Jib No. 133 or No. 133A  
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 Hanging Counterweight  
360 Degree Rating

### 21.3m (70 Ft.) Luffing Jib 145 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	24 950 kg Hanging Counterweight		61 230 kg Hanging Counterweight		102 060 kg Hanging Counterweight		Boom 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	
<b>73.2m (240 Ft.) BOOM</b>									
11.6	82.9	75.5	21 000	139 800 *	58 600	153 500 *	100 900	153 500 *	11.6
12.0	82.6	75.5	18 800	134 400 *	54 900	150 900 *	95 500	153 500 *	12.0
13.0	81.8	75.3	14 100	122 600 *	46 900	139 300 *	83 900	153 300 *	13.0
14.0	81.0	75.2	10 200	112 000	40 300	128 100 *	74 200	145 700 *	14.0
15.0	80.2	75.0	6 900	100 200	34 700	118 300 *	66 000	134 700 *	15.0
16.0	79.4	74.8	4 000	90 100	29 800	109 600 *	58 900	125 100 *	16.0
18.0	77.8	74.4		74 300	21 900	95 200 *	47 400	108 900 *	18.0
20.0	76.2	73.9		62 300	15 800	82 800	38 400	95 900 *	20.0
22.0	74.5	73.3		52 800	10 800	71 100	31 200	85 200 *	22.0
24.0	72.9	72.7		45 200	6 700	61 700	25 200	76 300 *	24.0
26.0	71.3	72.0		39 000	3 300	54 000	20 300	68 600 *	26.0
28.0	69.6	71.3		33 700		47 600	16 100	62 000 *	28.0
30.0	67.9	70.5		29 300		42 000	12 500	56 300	30.0
32.0	66.2	69.6		25 400		37 300	9 400	50 700	32.0
34.0	64.4	68.7		22 100		33 200	6 600	45 700	34.0
36.0	62.7	67.6		19 200		29 600	4 200	41 300	36.0
38.0	60.9	66.5		16 600		26 400	2 100	37 500	38.0
40.0	59.1	65.3		14 300		23 600		34 000	40.0
42.0	57.2	64.1		12 200		21 000		30 900	42.0



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 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 Hanging Counterweight  
 360 Degree Rating

### 21.3m (70 Ft.) Luffing Jib 145 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	61 230 kg Hanging Counterweight		102 060 kg Hanging Counterweight		Boom 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	
<b>79.2m (260 Ft.) BOOM</b>							
12.2	83.0	81.6	53 700	123 200 *			12.2
13.0	82.4	81.5	47 300	121 100 *	84 600	121 100 *	13.0
14.0	81.7	81.3	40 600	118 600 *	74 800	118 600 *	14.0
15.0	80.9	81.2	35 000	116 100 *	66 500	116 100 *	15.0
16.0	80.2	81.0	30 000	111 000 *	59 300	113 700 *	16.0
18.0	78.7	80.6	22 000	94 800 *	47 600	107 600 *	18.0
20.0	77.3	80.1	15 800	82 700	38 600	95 500 *	20.0
22.0	75.8	79.6	10 800	71 000	31 300	84 900 *	22.0
24.0	74.3	79.1	6 700	61 500	25 300	75 900 *	24.0
26.0	72.7	78.5	3 300	53 800	20 300	68 300 *	26.0
28.0	71.2	77.8		47 300	16 000	61 700 *	28.0
30.0	69.7	77.1		41 800	12 400	56 000 *	30.0
32.0	68.1	76.3		37 100	9 300	50 500	32.0
34.0	66.5	75.4		33 000	6 500	45 500	34.0
36.0	65.0	74.5		29 400	4 000	41 100	36.0
38.0	63.3	73.5		26 200	1 900	37 200	38.0
40.0	61.7	72.4		23 300		33 800	40.0
42.0	60.0	71.3		20 800		30 700	42.0
44.0	58.3	70.0		18 500		27 900	44.0





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 76 750 kg (2250) Crane Counterweight  
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 27 220 kg Carbody Counterweight  
 0 kg Thru 102 060 kg Hanging Counterweight  
 360 Degree Rating

### 21.3m (70 Ft.) Luffing Jib 145 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	61 230 kg Hanging Counterweight		102 060 kg Hanging Counterweight		Boom 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	
<b>85.3m (280 Ft.) BOOM</b>							
13.4	82.7	87.6	45 000	104 800 *			13.4
14.0	82.3	87.5	41 200	103 600 *			14.0
15.0	81.6	87.3	35 400	101 400 *	67 100	101 400 *	15.0
16.0	80.9	87.2	30 400	99 200 *	59 900	99 200 *	16.0
18.0	79.5	86.8	22 400	93 800 *	48 100	94 900 *	18.0
20.0	78.2	86.4	16 000	82 700	38 900	90 700 *	20.0
22.0	76.8	85.9	10 900	70 900	31 500	85 200 *	22.0
24.0	75.4	85.4	6 800	61 500	25 500	75 600 *	24.0
26.0	74.0	84.8	3 300	53 700	20 400	68 000 *	26.0
28.0	72.6	84.2		47 300	16 200	61 500 *	28.0
30.0	71.2	83.5		41 800	12 500	55 700 *	30.0
32.0	69.8	82.8		37 000	9 300	50 400	32.0
34.0	68.3	82.0		32 900	6 500	45 400	34.0
36.0	66.9	81.2		29 300	4 000	41 000	36.0
38.0	65.4	80.3		26 000	1 800	37 100	38.0
40.0	63.9	79.3		23 200		33 600	40.0
42.0	62.4	78.3		20 600		30 500	42.0
44.0	60.8	77.1		18 300		27 700	44.0
46.0	59.3	76.0		16 200		25 200	46.0
48.0	57.7	74.7		14 300		22 900	48.0



# Liftcrane Boom Capacities With Luffing Jib Attached

Meets  
ANSI B30.5  
Requirements

## MAX-ER 225 On 2250 or M-250

Boom No. 49A-44 With Heavy Lift Top  
Luffing Jib No. 133 or No. 133A  
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 Hanging Counterweight  
360 Degree Rating

### 21.3m (70 Ft.) Luffing Jib 145 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	102 060 kg Hanging Counterweight	
			Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms
<b>91.4m (300 Ft.) BOOM</b>				
18.3	80.1	93.0	46 800	70 900 *
20.0	79.0	92.6	38 900	68 200 *
22.0	77.7	92.2	31 500	65 000 *
24.0	76.4	91.7	25 400	61 900 *
26.0	75.1	91.2	20 300	58 800 *
28.0	73.8	90.6	16 000	55 800 *
30.0	72.5	90.0	12 300	52 900 *
32.0	71.2	89.3	9 000	50 000 *
34.0	69.8	88.6	6 200	45 000
36.0	68.5	87.8	3 700	40 600
38.0	67.1	87.0	1 500	36 700
40.0	65.8	86.1		33 300
42.0	64.4	85.1		30 200
44.0	63.0	84.1		27 400
46.0	61.5	83.0		24 800
48.0	60.1	81.9		22 500
50.0	58.6	80.7		20 400
52.0	57.1	79.4		18 400 *



# Liftcrane Boom Capacities With Luffing Jib Attached

Meets  
ANSI B30.5  
Requirements

## MAX-ER 225 On 2250 or M-250

Boom No. 49A-44 With Heavy Lift Top  
Luffing Jib No. 133 or No. 133A  
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 Hanging Counterweight  
360 Degree Rating

### 24.4m (80 Ft.) Luffing Jib 150 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	0 kg Hanging Counterweight		24 950 kg Hanging Counterweight		61 230 kg Hanging Counterweight		102 060 kg Hanging Counterweight		Boom 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	
<b>42.7m (140 Ft.) BOOM</b>											
7.9	82.7	45.3	192 800 *	47 200	212 000 *	104 300	217 700 *				7.9
8.0	82.6	45.3	191 000 *	46 300	210 100 *	102 800	217 700 *				8.0
8.5	82.0	45.2	179 200 *	40 600	197 200 *	93 000	217 700 *				8.5
9.0	81.3	45.1	168 600 *	35 600	185 600 *	84 400	208 600 *	139 800	217 700 *		9.0
10.0	79.9	44.9	150 400 *	27 500	165 900 *	70 500	187 300 *	119 000	213 100 *		10.0
11.0	78.5	44.7	132 700	21 200	149 600 *	59 600	169 200 *	102 900	191 200 *		11.0
12.0	77.2	44.5	114 300	16 100	135 900 *	50 800	153 900 *	89 900	174 100 *		12.0
13.0	75.8	44.2	99 800	11 800	123 900	43 500	140 800 *	79 200	159 600 *		13.0
14.0	74.4	43.9	88 100	8 300	111 000	37 400	129 600 *	70 200	147 100 *		14.0
15.0	73.0	43.6	78 400	5 200	99 200	32 100	119 700 *	62 500	136 100 *		15.0
16.0	71.5	43.2	70 200	2 600	89 400	27 700	111 100 *	55 900	126 500 *		16.0
18.0	68.7	42.5	57 200		73 800	20 400	96 600 *	45 100	110 300 *		18.0
20.0	65.7	41.6	47 400		62 000	14 600	82 500	36 700	97 300 *		20.0
22.0	62.7	40.6	39 700		52 700	10 000	71 000	29 900	86 600 *		22.0
24.0	59.6	39.4	33 500		45 300	6 200	61 700	24 300	77 600 *		24.0
26.0	56.4	38.1	28 400		39 100	3 000	54 200	19 700	70 000 *		26.0
28.0	53.1	36.6	24 200		34 000		47 800	15 700	62 400 *		28.0



# Liftcrane Boom Capacities With Luffing Jib Attached

Meets  
ANSI B30.5  
Requirements

## MAX-ER 225 On 2250 or M-250

Boom No. 49A-44 With Heavy Lift Top  
Luffing Jib No. 133 or No. 133A  
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 Hanging Counterweight  
360 Degree Rating

### 24.4m (80 Ft.) Luffing Jib 150 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	0 kg Hanging Counterweight	24 950 kg Hanging Counterweight		61 230 kg Hanging Counterweight		102 060 kg Hanging Counterweight		Boom 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	
<b>48.8m (160 Ft.) BOOM</b>										
8.5	82.9	51.3	178 000 *	41 000	195 900 *	93 500	217 700 *	152 800	217 700 *	8.5
9.0	82.4	51.3	168 400 *	36 400	185 400 *	85 700	208 400 *	141 300	217 700 *	9.0
10.0	81.2	51.1	150 100 *	28 100	165 600 *	71 500	187 000 *	120 300	212 800 *	10.0
11.0	80.0	50.9	132 900	21 700	149 300 *	60 400	168 900 *	104 000	190 900 *	11.0
12.0	78.8	50.7	114 500	16 500	135 600 *	51 400	153 600 *	90 800	173 900 *	12.0
13.0	77.6	50.5	100 000	12 200	123 800	44 000	140 600 *	80 000	159 400 *	13.0
14.0	76.4	50.2	88 300	8 600	111 200	37 900	129 300 *	70 800	146 800 *	14.0
15.0	75.2	50.0	78 500	5 600	99 400	32 600	119 500 *	63 100	135 900 *	15.0
16.0	73.9	49.7	70 300	2 900	89 500	28 100	110 800 *	56 400	126 300 *	16.0
18.0	71.5	49.0	57 300		73 900	20 700	96 400 *	45 500	110 100 *	18.0
20.0	68.9	48.2	47 500		62 100	14 900	82 600	37 100	97 100 *	20.0
22.0	66.4	47.4	39 800		52 800	10 200	71 100	30 200	86 400 *	22.0
24.0	63.8	46.4	33 600		45 300	6 400	61 800	24 500	77 400 *	24.0
26.0	61.1	45.3	28 500		39 200	3 200	54 200	19 800	69 800 *	26.0
28.0	58.3	44.1	24 200		34 000		47 800	15 900	63 200	28.0
30.0	55.5	42.7	20 600		29 600		42 400	12 500	56 800	30.0
32.0	52.6	41.2	17 400		25 900		37 700	9 500	51 100	32.0



# Liftcrane Boom Capacities With Luffing Jib Attached

Meets  
ANSI B30.5  
Requirements

## MAX-ER 225 On 2250 or M-250

Boom No. 49A-44 With Heavy Lift Top  
Luffing Jib No. 133 or No. 133A  
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 Hanging Counterweight  
360 Degree Rating

### 24.4m (80 Ft.) Luffing Jib 150 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	0 kg Hanging Counterweight	24 950 kg Hanging Counterweight		61 230 kg Hanging Counterweight		102 060 kg Hanging Counterweight		Boom 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	
<b>54.9m (180 Ft.) BOOM</b>										
9.8	82.4	57.3	152 900 *	29 800	168 700 *	74 800	190 600 *	125 600	215 300 *	9.8
10.0	82.2	57.3	148 900 *	28 000	164 300 *	71 700	185 800 *	121 100	209 900 *	10.0
11.0	81.1	57.1	132 700	21 200	147 900 *	60 300	167 500 *	104 200	189 500 *	11.0
12.0	80.1	56.9	114 100	15 900	134 200 *	51 100	152 200 *	90 800	172 500 *	12.0
13.0	79.0	56.7	99 500	11 500	122 500 *	43 600	139 200 *	79 700	157 900 *	13.0
14.0	77.9	56.5	87 600	7 800	110 600	37 200	127 900 *	70 400	145 400 *	14.0
15.0	76.8	56.3	77 900	4 600	98 700	31 800	118 100 *	62 500	134 500 *	15.0
16.0	75.8	56.0	69 600	1 900	88 800	27 200	109 400 *	55 700	124 900 *	16.0
18.0	73.6	55.4	56 500		73 100	19 600	95 000 *	44 700	108 700 *	18.0
20.0	71.4	54.8	46 600		61 200	13 700	81 700	36 000	95 700 *	20.0
22.0	69.2	54.0	38 800		51 800	9 000	70 100	29 000	85 000 *	22.0
24.0	66.9	53.2	32 600		44 300	5 100	60 800	23 300	76 000 *	24.0
26.0	64.6	52.2	27 400		38 100		53 100	18 500	68 400 *	26.0
28.0	62.2	51.2	23 100		32 900		46 700	14 500	61 800 *	28.0
30.0	59.8	50.0	19 400		28 500		41 300	11 000	55 700	30.0
32.0	57.3	48.8	16 200		24 700		36 600	8 000	49 900	32.0
34.0	54.8	47.4	13 500		21 400		32 500	5 300	45 000	34.0
36.0	52.2	45.8	11 100		18 500		28 900	3 000	40 600	36.0



# Liftcrane Boom Capacities With Luffing Jib Attached

Meets  
ANSI B30.5  
Requirements

# MAX-ER 225 On 2250 or M-250

Boom No. 49A-44 With Heavy Lift Top  
Luffing Jib No. 133 or No. 133A  
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 Hanging Counterweight  
360 Degree Rating

## 24.4m (80 Ft.) Luffing Jib 150 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	0 kg Hanging Counterweight	24 950 kg Hanging Counterweight		61 230 kg Hanging Counterweight		102 060 kg Hanging Counterweight		Boom 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	
<b>61.0m (200 Ft.) BOOM</b>										
10.4	82.6	63.4	142 800 *	26 300	157 800 *	68 500	178 500 *	116 100	201 800 *	10.4
11.0	82.0	63.3	133 200	22 100	147 700 *	61 500	167 300 *	105 800	189 300 *	11.0
12.0	81.1	63.1	114 600	16 700	134 000 *	52 200	152 000 *	92 100	172 300 *	12.0
13.0	80.1	62.9	99 900	12 100	122 300 *	44 400	139 000 *	80 900	157 800 *	13.0
14.0	79.1	62.8	88 000	8 400	110 800	38 000	127 800 *	71 500	145 200 *	14.0
15.0	78.2	62.5	78 100	5 100	99 100	32 500	118 000 *	63 500	134 300 *	15.0
16.0	77.2	62.3	69 800	2 400	89 100	27 800	109 300 *	56 600	124 700 *	16.0
18.0	75.3	61.8	56 700		73 300	20 100	94 800 *	45 300	108 600 *	18.0
20.0	73.3	61.2	46 800		61 400	14 100	81 900	36 500	95 500 *	20.0
22.0	71.3	60.5	38 900		51 900	9 300	70 200	29 400	84 800 *	22.0
24.0	69.3	59.8	32 600		44 400	5 300	60 900	23 600	75 800 *	24.0
26.0	67.3	58.9	27 400		38 200		53 200	18 800	68 200 *	26.0
28.0	65.2	58.0	23 100		32 900		46 800	14 700	61 600 *	28.0
30.0	63.1	57.0	19 400		28 500		41 300	11 100	55 700	30.0
32.0	61.0	55.9	16 200		24 700		36 600	8 100	49 900	32.0
34.0	58.8	54.7	13 500		21 400		32 500	5 400	45 000	34.0
36.0	56.5	53.4	11 100		18 500		28 900	3 000	40 600	36.0
38.0	54.2	52.0	8 900		15 900		25 700	900	36 700	38.0



# Liftcrane Boom Capacities With Luffing Jib Attached

Meets  
ANSI B30.5  
Requirements

## MAX-ER 225 On 2250 or M-250

Boom No. 49A-44 With Heavy Lift Top  
Luffing Jib No. 133 or No. 133A  
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 Hanging Counterweight  
360 Degree Rating

### 24.4m (80 Ft.) Luffing Jib 150 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	0 kg Hanging Counterweight	24 950 kg Hanging Counterweight		61 230 kg Hanging Counterweight		102 060 kg Hanging Counterweight		Boom 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	
<b>67.1m (220 Ft.) BOOM</b>										
11.0	82.8	69.5	133 700 *	23 000	147 900 *	62 800	163 500 *	107 600	163 500 *	11.0
12.0	81.9	69.3	114 900	17 300	133 800 *	53 000	152 200 *	93 300	163 500 *	12.0
13.0	81.0	69.1	100 100	12 700	122 100 *	45 200	138 800 *	81 900	158 200 *	13.0
14.0	80.1	69.0	88 200	8 800	111 100	38 700	127 500 *	72 400	145 000 *	14.0
15.0	79.3	68.8	78 300	5 500	99 200	33 100	117 800 *	64 300	134 100 *	15.0
16.0	78.4	68.6	70 000	2 700	89 200	28 300	109 100 *	57 300	124 500 *	16.0
18.0	76.6	68.1	56 800		73 400	20 500	94 600 *	45 800	108 300 *	18.0
20.0	74.9	67.6	46 900		61 400	14 400	82 000	37 000	95 400 *	20.0
22.0	73.1	66.9	39 000		52 000	9 500	70 300	29 800	84 600 *	22.0
24.0	71.3	66.3	32 700		44 400	5 500	60 900	24 000	75 700 *	24.0
26.0	69.5	65.5	27 500		38 200	2 200	53 200	19 100	68 000 *	26.0
28.0	67.6	64.7	23 100		33 000		46 800	14 900	61 500 *	28.0
30.0	65.7	63.8	19 400		28 500		41 300	11 300	55 600	30.0
32.0	63.8	62.8	16 200		24 700		36 600	8 200	49 900	32.0
34.0	61.9	61.8	13 500		21 400		32 500	5 500	45 000	34.0
36.0	59.9	60.6	11 000		18 400		28 900	3 100	40 600	36.0
38.0	57.9	59.4	8 900		15 900		25 700	1 000	36 700	38.0
40.0	55.9	58.1	6 900		13 600		22 800		33 300	40.0
42.0	53.8	56.6			11 500		20 300		30 200	42.0
44.0	51.6	55.0			9 600		18 000		27 400	44.0



# Liftcrane Boom Capacities With Luffing Jib Attached

Meets  
ANSI B30.5  
Requirements

# MAX-ER 225 On 2250 or M-250

Boom No. 49A-44 With Heavy Lift Top  
Luffing Jib No. 133 or No. 133A  
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 Hanging Counterweight  
360 Degree Rating

## 24.4m (80 Ft.) Luffing Jib 150 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	24 950 kg Hanging Counterweight		61 230 kg Hanging Counterweight		102 060 kg Hanging Counterweight		Boom 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	
<b>73.2m (240 Ft.) BOOM</b>									
11.6	82.9	75.5	20 000	139 000 *	57 600	152 600 *	99 900	152 600 *	11.6
12.0	82.6	75.5	17 900	133 700 *	53 900	150 100 *	94 500	152 600 *	12.0
13.0	81.8	75.3	13 100	121 900 *	45 900	138 600 *	82 900	152 400 *	13.0
14.0	81.0	75.2	9 200	111 200	39 300	127 400 *	73 200	145 000 *	14.0
15.0	80.2	75.0	5 900	99 300	33 700	117 500 *	65 000	133 900 *	15.0
16.0	79.4	74.8	3 000	89 300	28 800	108 900 *	57 900	124 300 *	16.0
18.0	77.8	74.4		73 500	20 900	94 400 *	46 400	108 200 *	18.0
20.0	76.2	73.9		61 500	14 800	82 100	37 400	95 200 *	20.0
22.0	74.5	73.3		52 000	9 800	70 300	30 200	84 500 *	22.0
24.0	72.9	72.7		44 400	5 700	60 900	24 200	75 500 *	24.0
26.0	71.3	72.0		38 200	2 300	53 200	19 300	67 900 *	26.0
28.0	69.6	71.3		32 900		46 800	15 100	61 300 *	28.0
30.0	67.9	70.5		28 500		41 300	11 500	55 500	30.0
32.0	66.2	69.6		24 700		36 500	8 300	49 900	32.0
34.0	64.4	68.7		21 300		32 400	5 600	44 900	34.0
36.0	62.7	67.6		18 400		28 800	3 200	40 500	36.0
38.0	60.9	66.5		15 800		25 600	1 000	36 600	38.0
40.0	59.1	65.3		13 500		22 800		33 200	40.0
42.0	57.2	64.1		11 400		20 200		30 100	42.0
44.0	55.3	62.7		9 600		17 900		27 300	44.0
46.0	53.4	61.2		7 800 *		15 800		24 800	46.0





# Liftcrane Boom Capacities With Luffing Jib Attached

Meets  
ANSI B30.5  
Requirements

## MAX-ER 225 On 2250 or M-250

Boom No. 49A-44 With Heavy Lift Top  
Luffing Jib No. 133 or No. 133A  
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 Hanging Counterweight  
360 Degree Rating

### 24.4m (80 Ft.) Luffing Jib 150 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	61 230 kg Hanging Counterweight		102 060 kg Hanging Counterweight		Boom 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	
<b>79.2m (260 Ft.) BOOM</b>							
12.2	83.0	81.6	52 700	123 100 *			12.2
13.0	82.4	81.5	46 400	121 100 *	83 700	121 100 *	13.0
14.0	81.7	81.3	39 700	118 500 *	73 800	118 500 *	14.0
15.0	80.9	81.2	34 000	115 800 *	65 500	116 000 *	15.0
16.0	80.2	81.0	29 100	110 200 *	58 400	113 500 *	16.0
18.0	78.7	80.6	21 100	94 100 *	46 700	107 000 *	18.0
20.0	77.3	80.1	14 800	82 000	37 600	94 800 *	20.0
22.0	75.8	79.6	9 800	70 100	30 300	84 100 *	22.0
24.0	74.3	79.1	5 700	60 800	24 300	75 200 *	24.0
26.0	72.7	78.5	2 300	53 100	19 300	67 500 *	26.0
28.0	71.2	77.8		46 600	15 100	61 000 *	28.0
30.0	69.7	77.1		41 100	11 400	55 200	30.0
32.0	68.1	76.3		36 300	8 300	49 700	32.0
34.0	66.5	75.4		32 200	5 500	44 700	34.0
36.0	65.0	74.5		28 600	3 100	40 300	36.0
38.0	63.3	73.5		25 400	900	36 500	38.0
40.0	61.7	72.4		22 600		33 000	40.0
42.0	60.0	71.3		20 000		29 900	42.0
44.0	58.3	70.0		17 700		27 100	44.0
46.0	56.6	68.7		15 600		24 600	46.0
48.0	54.8	67.3		13 600 *		22 300	48.0
50.0	53.0	65.8		11 500 *		20 100	50.0



# Liftcrane Boom Capacities With Luffing Jib Attached

Meets  
 ANSI B30.5  
 Requirements

## MAX-ER 225 On 2250 or M-250

Boom No. 49A-44 With Heavy Lift Top  
 Luffing Jib No. 133 or No. 133A  
 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 Hanging Counterweight  
 360 Degree Rating

### 24.4m (80 Ft.) Luffing Jib 150 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	61 230 kg Hanging Counterweight		102 060 kg Hanging Counterweight		Boom 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	
<b>85.3m (280 Ft.) BOOM</b>							
13.4	82.7	87.6	44 100	104 800 *			13.4
14.0	82.3	87.5	40 200	103 500 *			14.0
15.0	81.6	87.3	34 500	101 300 *	66 200	101 300 *	15.0
16.0	80.9	87.2	29 500	99 100 *	59 000	99 100 *	16.0
18.0	79.5	86.8	21 400	93 200 *	47 200	94 700 *	18.0
20.0	78.2	86.4	15 100	82 000	38 000	90 400 *	20.0
22.0	76.8	85.9	10 000	70 100	30 600	84 500 *	22.0
24.0	75.4	85.4	5 800	60 700	24 500	74 900 *	24.0
26.0	74.0	84.8	2 300	53 000	19 500	67 300 *	26.0
28.0	72.6	84.2		46 500	15 200	60 700 *	28.0
30.0	71.2	83.5		41 000	11 500	55 000 *	30.0
32.0	69.8	82.8		36 200	8 300	49 600	32.0
34.0	68.3	82.0		32 100	5 500	44 600	34.0
36.0	66.9	81.2		28 500	3 100	40 200	36.0
38.0	65.4	80.3		25 300	900	36 300	38.0
40.0	63.9	79.3		22 400		32 900	40.0
42.0	62.4	78.3		19 900		29 800	42.0
44.0	60.8	77.1		17 600		27 000	44.0
46.0	59.3	76.0		15 500		24 400	46.0
48.0	57.7	74.7		13 500		22 100	48.0
50.0	56.1	73.4		11 400 *		20 000	50.0
52.0	54.4	72.0		9 400 *		17 700 *	52.0
54.0	52.8	70.5		7 700 *		15 600 *	54.0



# Liftcrane Boom Capacities With Luffing Jib Attached

Meets  
ANSI B30.5  
Requirements

## MAX-ER 225 On 2250 or M-250

Boom No. 49A-44 With Heavy Lift Top  
Luffing Jib No. 133 or No. 133A  
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 Hanging Counterweight  
360 Degree Rating

### 24.4m (80 Ft.) Luffing Jib 150 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	102 060 kg Hanging Counterweight	
			Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms
<b>91.4m (300 Ft.) BOOM</b>				
16.8	81.0	93.2	54 300	73 300 *
18.0	80.3	93.0	47 400	71 300 *
20.0	79.0	92.6	38 000	68 000 *
22.0	77.7	92.2	30 600	64 800 *
24.0	76.4	91.7	24 400	61 600 *
26.0	75.1	91.2	19 400	58 500 *
28.0	73.8	90.6	15 000	55 400 *
30.0	72.5	90.0	11 300	52 500 *
32.0	71.2	89.3	8 100	49 300
34.0	69.8	88.6	5 300	44 300
36.0	68.5	87.8	2 800	39 900
38.0	67.1	87.0	600	36 000
40.0	65.8	86.1		32 600
42.0	64.4	85.1		29 500
44.0	63.0	84.1		26 700
46.0	61.5	83.0		24 100
48.0	60.1	81.9		21 800
50.0	58.6	80.7		19 600
52.0	57.1	79.4		17 400 *
54.0	55.6	78.0		15 300 *
56.0	54.1	76.6		13 300 *
58.0	52.5	75.1		11 500 *



# Liftcrane Boom Capacities With Luffing Jib Attached

Meets  
ANSI B30.5  
Requirements

# MAX-ER 225 On 2250 or M-250

Boom No. 49A-44 With Heavy Lift Top  
Luffing Jib No. 133 or No. 133A  
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 Hanging Counterweight  
360 Degree Rating

**27.4m (90 Ft.) Luffing Jib  
150 Degree Boom to Luffing Jib Angle**

Boom Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	0 kg Hanging Counterweight	24 950 kg Hanging Counterweight		61 230 kg Hanging Counterweight		102 060 kg Hanging Counterweight		Boom 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	
<b>42.7m (140 Ft.) BOOM</b>										
7.9	82.7	45.3	191 100 *	44 400	210 400 *	101 600	217 700 *			7.9
8.0	82.6	45.3	189 400 *	43 600	208 400 *	100 100	217 700 *			8.0
8.5	82.0	45.2	177 600 *	38 000	195 600 *	90 400	217 700 *			8.5
9.0	81.3	45.1	167 000 *	33 100	184 100 *	82 000	207 500 *	137 300	217 700 *	9.0
10.0	79.9	44.9	149 000 *	25 300	164 500 *	68 300	185 900 *	116 800	211 500 *	10.0
11.0	78.5	44.7	130 700	19 100	148 200 *	57 500	167 800 *	100 800	189 800 *	11.0
12.0	77.2	44.5	112 500	14 000	134 600 *	48 800	152 500 *	87 900	172 900 *	12.0
13.0	75.8	44.2	98 100	9 900	122 600	41 500	139 600 *	77 200	158 400 *	13.0
14.0	74.4	43.9	86 500	6 400	109 400	35 500	128 400 *	68 300	145 800 *	14.0
15.0	73.0	43.6	76 900	3 500	97 800	30 400	118 600 *	60 700	134 900 *	15.0
16.0	71.5	43.2	68 700		88 000	25 900	109 900 *	54 200	125 300 *	16.0
18.0	68.7	42.5	55 900		72 500	18 700	95 300	43 500	109 200 *	18.0
20.0	65.7	41.6	46 200		60 800	13 100	81 300	35 200	96 300 *	20.0
22.0	62.7	40.6	38 600		51 600	8 600	69 900	28 400	85 600 *	22.0
24.0	59.6	39.4	32 400		44 200	4 800	60 600	22 900	76 600 *	24.0
26.0	56.4	38.1	27 400		38 100		53 100	18 300	69 000 *	26.0
28.0	53.1	36.6	23 100		33 000		46 700	14 400	61 000 *	28.0



# Liftcrane Boom Capacities With Luffing Jib Attached

Meets  
ANSI B30.5  
Requirements

## MAX-ER 225 On 2250 or M-250

Boom No. 49A-44 With Heavy Lift Top  
Luffing Jib No. 133 or No. 133A  
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 Hanging Counterweight  
360 Degree Rating

### 27.4m (90 Ft.) Luffing Jib 150 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	0 kg Hanging Counterweight	24 950 kg Hanging Counterweight		61 230 kg Hanging Counterweight		102 060 kg Hanging Counterweight		Boom 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	
<b>48.8m (160 Ft.) BOOM</b>										
8.5	82.9	51.3	176 400 *	38 500	194 400 *	91 000	217 700 *	150 300	217 700 *	8.5
9.0	82.4	51.3	166 900 *	34 000	184 000 *	83 300	207 200 *	138 900	217 700 *	9.0
10.0	81.2	51.1	148 700 *	25 900	164 200 *	69 300	185 600 *	118 100	211 200 *	10.0
11.0	80.0	50.9	131 000	19 600	148 000 *	58 300	167 600 *	101 900	189 500 *	11.0
12.0	78.8	50.7	112 800	14 600	134 300 *	49 500	152 300 *	88 800	172 600 *	12.0
13.0	77.6	50.5	98 400	10 300	122 500	42 200	139 400 *	78 100	158 100 *	13.0
14.0	76.4	50.2	86 700	6 800	109 600	36 100	128 200 *	69 100	145 700 *	14.0
15.0	75.2	50.0	77 100	3 800	98 000	30 900	118 400 *	61 400	134 800 *	15.0
16.0	73.9	49.7	68 900		88 200	26 400	109 700 *	54 800	125 200 *	16.0
18.0	71.5	49.0	56 100		72 700	19 100	95 300 *	44 000	109 100 *	18.0
20.0	68.9	48.2	46 300		60 900	13 400	81 400	35 600	96 100 *	20.0
22.0	66.4	47.4	38 700		51 700	8 800	69 900	28 800	85 400 *	22.0
24.0	63.8	46.4	32 500		44 200	5 000	60 700	23 200	76 500 *	24.0
26.0	61.1	45.3	27 500		38 200		53 200	18 600	68 900 *	26.0
28.0	58.3	44.1	23 200		33 100		46 800	14 600	62 200	28.0
30.0	55.5	42.7	19 600		28 700		41 500	11 200	55 800	30.0
32.0	52.6	41.2	16 500		24 900		36 800	8 300	50 200	32.0



# Liftcrane Boom Capacities With Luffing Jib Attached

Meets  
ANSI B30.5  
Requirements

## MAX-ER 225 On 2250 or M-250

Boom No. 49A-44 With Heavy Lift Top  
Luffing Jib No. 133 or No. 133A  
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 Hanging Counterweight  
360 Degree Rating

### 27.4m (90 Ft.) Luffing Jib 150 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	0 kg Hanging Counterweight	24 950 kg Hanging Counterweight		61 230 kg Hanging Counterweight		102 060 kg Hanging Counterweight		Boom 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	
<b>54.9m (180 Ft.) BOOM</b>										
9.8	82.4	57.3	151 400 *	27 600	167 300 *	72 600	189 200 *	123 400	213 900 *	9.8
10.0	82.2	57.3	147 500 *	25 800	163 000 *	69 600	184 400 *	118 900	208 500 *	10.0
11.0	81.1	57.1	130 800	19 300	146 600 *	58 200	166 100 *	102 200	188 200 *	11.0
12.0	80.1	56.9	112 400	14 000	133 000 *	49 200	151 000 *	88 900	171 200 *	12.0
13.0	79.0	56.7	97 900	9 700	121 300 *	41 700	138 000 *	77 900	156 800 *	13.0
14.0	77.9	56.5	86 200	6 100	109 100	35 500	126 800 *	68 700	144 300 *	14.0
15.0	76.8	56.3	76 400	2 900	97 300	30 200	117 000 *	60 900	133 400 *	15.0
16.0	75.8	56.0	68 200		87 400	25 600	108 400 *	54 100	123 700 *	16.0
18.0	73.6	55.4	55 300		71 800	18 100	93 900 *	43 200	107 700 *	18.0
20.0	71.4	54.8	45 400		60 100	12 300	80 500	34 600	94 700 *	20.0
22.0	69.2	54.0	37 700		50 700	7 600	69 000	27 700	84 100 *	22.0
24.0	66.9	53.2	31 500		43 300	3 800	59 800	22 000	75 100 *	24.0
26.0	64.6	52.2	26 400		37 100		52 200	17 300	67 500 *	26.0
28.0	62.2	51.2	22 100		32 000		45 800	13 300	60 900	28.0
30.0	59.8	50.0	18 500		27 600		40 300	9 800	54 800	30.0
32.0	57.3	48.8	15 400		23 800		35 700	6 800	49 000	32.0
34.0	54.8	47.4	12 600		20 500		31 600	4 200	44 100	34.0
36.0	52.2	45.8	10 200		17 700		28 100	1 900	39 800	36.0



# Liftcrane Boom Capacities With Luffing Jib Attached

Meets  
ANSI B30.5  
Requirements

## MAX-ER 225 On 2250 or M-250

Boom No. 49A-44 With Heavy Lift Top  
Luffing Jib No. 133 or No. 133A  
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 Hanging Counterweight  
360 Degree Rating

### 27.4m (90 Ft.) Luffing Jib 150 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	0 kg Hanging Counterweight	24 950 kg Hanging Counterweight		61 230 kg Hanging Counterweight		102 060 kg Hanging Counterweight		Boom 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	
<b>61.0m (200 Ft.) BOOM</b>										
10.4	82.6	63.4	141 500 *	24 200	156 400 *	66 400	177 100 *	114 000	200 400 *	10.4
11.0	82.0	63.3	131 400	20 200	146 500 *	59 500	166 000 *	103 800	188 000 *	11.0
12.0	81.1	63.1	112 900	14 800	132 800 *	50 300	150 800 *	90 200	171 100 *	12.0
13.0	80.1	62.9	98 300	10 300	121 200 *	42 700	137 800 *	79 100	156 600 *	13.0
14.0	79.1	62.8	86 500	6 600	109 400	36 300	126 600 *	69 800	144 100 *	14.0
15.0	78.2	62.5	76 800	3 500	97 700	30 900	116 800 *	61 800	133 200 *	15.0
16.0	77.2	62.3	68 500		87 800	26 300	108 200 *	55 000	123 600 *	16.0
18.0	75.3	61.8	55 500		72 100	18 700	93 800 *	43 800	107 500 *	18.0
20.0	73.3	61.2	45 700		60 200	12 700	80 800	35 100	94 600 *	20.0
22.0	71.3	60.5	37 900		50 900	7 900	69 100	28 100	83 900 *	22.0
24.0	69.3	59.8	31 600		43 400	4 000	59 900	22 300	74 900 *	24.0
26.0	67.3	58.9	26 500		37 200		52 200	17 600	67 300 *	26.0
28.0	65.2	58.0	22 200		32 000		45 800	13 500	60 800 *	28.0
30.0	63.1	57.0	18 500		27 600		40 400	10 000	54 800 *	30.0
32.0	61.0	55.9	15 400		23 800		35 700	6 900	49 000	32.0
34.0	58.8	54.7	12 600		20 500		31 600	4 300	44 100	34.0
36.0	56.5	53.4	10 200		17 600		28 100	1 900	39 800	36.0
38.0	54.2	52.0	8 100		15 100		24 900		35 900	38.0



# Liftcrane Boom Capacities With Luffing Jib Attached

Meets  
ANSI B30.5  
Requirements

# MAX-ER 225 On 2250 or M-250

Boom No. 49A-44 With Heavy Lift Top  
Luffing Jib No. 133 or No. 133A  
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 Hanging Counterweight  
360 Degree Rating

## 27.4m (90 Ft.) Luffing Jib 150 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	0 kg Hanging Counterweight	24 950 kg Hanging Counterweight		61 230 kg Hanging Counterweight		102 060 kg Hanging Counterweight		Boom 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	
<b>67.1m (220 Ft.) BOOM</b>										
11.0	82.8	69.5	132 300	21 000	146 600 *	60 800	162 100 *	105 600	162 100 *	11.0
12.0	81.9	69.3	113 200	15 400	132 600 *	51 200	151 000 *	91 500	162 100 *	12.0
13.0	81.0	69.1	98 600	10 900	120 900 *	43 500	137 600 *	80 200	157 000 *	13.0
14.0	80.1	69.0	86 800	7 100	109 600	37 000	126 400 *	70 700	143 900 *	14.0
15.0	79.3	68.8	77 000	3 900	97 900	31 500	116 600 *	62 700	133 000 *	15.0
16.0	78.4	68.6	68 700		87 900	26 800	108 000 *	55 700	123 400 *	16.0
18.0	76.6	68.1	55 600		72 200	19 100	93 600 *	44 400	107 400 *	18.0
20.0	74.9	67.6	45 700		60 300	13 100	80 900	35 600	94 400 *	20.0
22.0	73.1	66.9	38 000		50 900	8 200	69 200	28 500	83 700 *	22.0
24.0	71.3	66.3	31 700		43 400	4 300	59 900	22 700	74 800 *	24.0
26.0	69.5	65.5	26 500		37 200		52 300	17 800	67 200 *	26.0
28.0	67.6	64.7	22 200		32 000		45 900	13 700	60 600 *	28.0
30.0	65.7	63.8	18 500		27 600		40 400	10 200	54 700	30.0
32.0	63.8	62.8	15 400		23 800		35 700	7 100	49 100	32.0
34.0	61.9	61.8	12 600		20 500		31 600	4 400	44 100	34.0
36.0	59.9	60.6	10 200		17 600		28 000	2 000	39 800	36.0
38.0	57.9	59.4	8 100		15 100		24 900		35 900	38.0
40.0	55.9	58.1	5 900 *		12 800		22 000		32 500	40.0
42.0	53.8	56.6			10 700		19 500		29 400	42.0
44.0	51.6	55.0			8 800		17 200		26 600	44.0





# Liftcrane Boom Capacities With Luffing Jib Attached

Meets  
ANSI B30.5  
Requirements

## MAX-ER 225 On 2250 or M-250

Boom No. 49A-44 With Heavy Lift Top  
Luffing Jib No. 133 or No. 133A  
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 Hanging Counterweight  
360 Degree Rating

### 27.4m (90 Ft.) Luffing Jib 150 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	24 950 kg Hanging Counterweight		61 230 kg Hanging Counterweight		102 060 kg Hanging Counterweight		Boom 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	
<b>73.2m (240 Ft.) BOOM</b>									
11.6	82.9	75.5	18 200	137 800 *	55 700	150 900 *	98 100	150 900 *	11.6
12.0	82.6	75.5	16 000	132 500 *	52 100	148 700 *	92 700	150 900 *	12.0
13.0	81.8	75.3	11 400	120 700 *	44 200	137 400 *	81 200	150 900 *	13.0
14.0	81.0	75.2	7 600	109 800	37 700	126 300 *	71 600	143 800 *	14.0
15.0	80.2	75.0	4 300	98 000	32 100	116 500 *	63 400	132 800 *	15.0
16.0	79.4	74.8		88 000	27 300	107 900 *	56 400	123 300 *	16.0
18.0	77.8	74.4		72 300	19 500	93 500 *	45 000	107 200 *	18.0
20.0	76.2	73.9		60 400	13 400	80 900	36 100	94 200 *	20.0
22.0	74.5	73.3		51 000	8 500	69 300	28 900	83 600 *	22.0
24.0	72.9	72.7		43 500	4 500	59 900	23 000	74 600 *	24.0
26.0	71.3	72.0		37 200		52 300	18 100	67 000 *	26.0
28.0	69.6	71.3		32 000		45 900	13 900	60 500 *	28.0
30.0	67.9	70.5		27 600		40 400	10 400	54 700	30.0
32.0	66.2	69.6		23 800		35 700	7 300	49 000	32.0
34.0	64.4	68.7		20 500		31 600	4 600	44 100	34.0
36.0	62.7	67.6		17 600		28 000	2 100	39 700	36.0
38.0	60.9	66.5		15 000		24 800		35 900	38.0
40.0	59.1	65.3		12 700		22 000		32 400	40.0
42.0	57.2	64.1		10 700		19 500		29 300	42.0
44.0	55.3	62.7		8 800		17 200		26 600	44.0
46.0	53.4	61.2		6 800 *		15 100		24 100	46.0



# Liftcrane Boom Capacities With Luffing Jib Attached

Meets  
 ANSI B30.5  
 Requirements

## MAX-ER 225 On 2250 or M-250

Boom No. 49A-44 With Heavy Lift Top  
 Luffing Jib No. 133 or No. 133A  
 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 Hanging Counterweight  
 360 Degree Rating

### 27.4m (90 Ft.) Luffing Jib 150 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	61 230 kg Hanging Counterweight		102 060 kg Hanging Counterweight		Boom 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	
<b>79.2m (260 Ft.) BOOM</b>							
12.2	83.0	81.6	50 900	121 900 *	91 100	121 900 *	12.2
13.0	82.4	81.5	44 700	119 900 *	81 900	119 900 *	13.0
14.0	81.7	81.3	38 000	117 300 *	72 200	117 300 *	14.0
15.0	80.9	81.2	32 400	114 700 *	64 000	114 900 *	15.0
16.0	80.2	81.0	27 600	109 200 *	56 900	112 400 *	16.0
18.0	78.7	80.6	19 700	93 100 *	45 300	106 000 *	18.0
20.0	77.3	80.1	13 500	80 900	36 300	93 900 *	20.0
22.0	75.8	79.6	8 600	69 200	29 000	83 200 *	22.0
24.0	74.3	79.1	4 500	59 800	23 100	74 300 *	24.0
26.0	72.7	78.5		52 200	18 200	66 700 *	26.0
28.0	71.2	77.8		45 700	14 000	60 200 *	28.0
30.0	69.7	77.1		40 200	10 300	54 500	30.0
32.0	68.1	76.3		35 500	7 200	48 900	32.0
34.0	66.5	75.4		31 400	4 500	43 900	34.0
36.0	65.0	74.5		27 800	2 100	39 500	36.0
38.0	63.3	73.5		24 600		35 700	38.0
40.0	61.7	72.4		21 800		32 300	40.0
42.0	60.0	71.3		19 300		29 200	42.0
44.0	58.3	70.0		17 000		26 400	44.0
46.0	56.6	68.7		14 900		23 900	46.0
48.0	54.8	67.3		12 600 *		21 500	48.0
50.0	53.0	65.8		10 600 *		19 200 *	50.0



# Liftcrane Boom Capacities With Luffing Jib Attached

Meets  
ANSI B30.5  
Requirements

## MAX-ER 225 On 2250 or M-250

Boom No. 49A-44 With Heavy Lift Top  
Luffing Jib No. 133 or No. 133A  
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 Hanging Counterweight  
360 Degree Rating

### 27.4m (90 Ft.) Luffing Jib 150 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	61 230 kg Hanging Counterweight		102 060 kg Hanging Counterweight		Boom 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	
<b>85.3m (280 Ft.) BOOM</b>							
13.4	82.7	87.6	42 500	103 500 *			13.4
14.0	82.3	87.5	38 600	102 200 *			14.0
15.0	81.6	87.3	32 900	100 000 *	64 600	100 000 *	15.0
16.0	80.9	87.2	28 000	97 900 *	57 400	97 900 *	16.0
18.0	79.5	86.8	20 000	92 200 *	45 800	93 500 *	18.0
20.0	78.2	86.4	13 800	80 900	36 700	89 300 *	20.0
22.0	76.8	85.9	8 800	69 100	29 300	83 600 *	22.0
24.0	75.4	85.4	4 600	59 800	23 300	74 100 *	24.0
26.0	74.0	84.8		52 100	18 300	66 500 *	26.0
28.0	72.6	84.2		45 600	14 100	59 900 *	28.0
30.0	71.2	83.5		40 100	10 500	54 300 *	30.0
32.0	69.8	82.8		35 400	7 300	48 800	32.0
34.0	68.3	82.0		31 300	4 500	43 800	34.0
36.0	66.9	81.2		27 700	2 100	39 400	36.0
38.0	65.4	80.3		24 500		35 600	38.0
40.0	63.9	79.3		21 700		32 100	40.0
42.0	62.4	78.3		19 200		29 100	42.0
44.0	60.8	77.1		16 900		26 200	44.0
46.0	59.3	76.0		14 800		23 700	46.0
48.0	57.7	74.7		12 600 *		21 400	48.0
50.0	56.1	73.4		10 500 *		19 100 *	50.0
52.0	54.4	72.0		8 600 *		16 800 *	52.0
54.0	52.8	70.5		6 800 *		14 700 *	54.0



# Liftcrane Boom Capacities With Luffing Jib Attached

Meets  
ANSI B30.5  
Requirements

## MAX-ER 225 On 2250 or M-250

Boom No. 49A-44 With Heavy Lift Top  
Luffing Jib No. 133 or No. 133A  
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 Hanging Counterweight  
360 Degree Rating

### 27.4m (90 Ft.) Luffing Jib 150 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	102 060 kg Hanging Counterweight	
			Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms
<b>91.4m (300 Ft.) BOOM</b>				
16.8	81.0	93.2	52 900	72 100 *
18.0	80.3	93.0	46 100	70 100 *
20.0	79.0	92.6	36 700	66 900 *
22.0	77.7	92.2	29 300	63 700 *
24.0	76.4	91.7	23 300	60 500 *
26.0	75.1	91.2	18 200	57 400 *
28.0	73.8	90.6	13 900	54 400 *
30.0	72.5	90.0	10 300	51 400 *
32.0	71.2	89.3	7 100	48 500
34.0	69.8	88.6	4 300	43 500
36.0	68.5	87.8	1 800	39 100
38.0	67.1	87.0		35 300
40.0	65.8	86.1		31 800
42.0	64.4	85.1		28 700
44.0	63.0	84.1		25 900
46.0	61.5	83.0		23 400
48.0	60.1	81.9		21 100
50.0	58.6	80.7		18 800 *
52.0	57.1	79.4		16 500 *
54.0	55.6	78.0		14 400 *
56.0	54.1	76.6		12 400 *
58.0	52.5	75.1		10 600 *



# Liftcrane Boom Capacities With Luffing Jib Attached

Meets  
ANSI B30.5  
Requirements

## MAX-ER 225 On 2250 or M-250

Boom No. 49A-44 With Heavy Lift Top  
Luffing Jib No. 133 or No. 133A  
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 Hanging Counterweight  
360 Degree Rating

### 30.5m (100 Ft.) Luffing Jib 160 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	0 kg Hanging Counterweight	24 950 kg Hanging Counterweight		61 230 kg Hanging Counterweight		102 060 kg Hanging Counterweight		Boom 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	
<b>42.7m (140 Ft.) BOOM</b>										
7.9	82.7	45.3	192 100 *	46 500	211 300 *	103 700	217 700 *			7.9
8.0	82.6	45.3	190 300 *	45 600	209 400 *	102 200	217 700 *			8.0
8.5	82.0	45.2	178 400 *	39 800	196 400 *	92 200	217 700 *			8.5
9.0	81.3	45.1	167 700 *	34 700	184 800 *	83 500	208 000 *	138 800	217 700 *	9.0
10.0	79.9	44.9	149 500 *	26 400	165 000 *	69 400	186 400 *	117 900	212 100 *	10.0
11.0	78.5	44.7	131 600	19 900	148 600 *	58 300	168 200 *	101 700	190 200 *	11.0
12.0	77.2	44.5	113 100	14 700	134 800 *	49 400	152 800 *	88 500	173 100 *	12.0
13.0	75.8	44.2	98 500	10 300	122 800	42 000	139 700 *	77 600	158 500 *	13.0
14.0	74.4	43.9	86 800	6 700	109 700	35 800	128 400 *	68 600	145 900 *	14.0
15.0	73.0	43.6	77 000	3 600	97 900	30 500	118 500 *	60 900	134 900 *	15.0
16.0	71.5	43.2	68 700		88 000	25 900	109 800 *	54 100	125 200 *	16.0
18.0	68.7	42.5	55 800		72 300	18 500	95 200	43 300	109 000 *	18.0
20.0	65.7	41.6	45 900		60 500	12 700	80 900	34 800	95 900 *	20.0
22.0	62.7	40.6	38 200		51 100	8 000	69 400	27 900	85 200 *	22.0
24.0	59.6	39.4	31 900		43 600	4 200	60 200	22 300	76 100 *	24.0
26.0	56.4	38.1	26 800		37 500		52 500	17 600	68 400 *	26.0
28.0	53.1	36.6	22 500		32 300		46 100	13 600	60 200 *	28.0
30.0	49.6	35.0	18 800		27 900		40 700	10 100	52 800 *	30.0
32.0	45.9	33.1	15 700		24 100		36 000	7 100	46 400 *	32.0



# Liftcrane Boom Capacities With Luffing Jib Attached

Meets  
ANSI B30.5  
Requirements

# MAX-ER 225 On 2250 or M-250

Boom No. 49A-44 With Heavy Lift Top  
Luffing Jib No. 133 or No. 133A  
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 Hanging Counterweight  
360 Degree Rating

## 30.5m (100 Ft.) Luffing Jib 160 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	0 kg Hanging Counterweight	24 950 kg Hanging Counterweight		61 230 kg Hanging Counterweight		102 060 kg Hanging Counterweight		Boom 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	
<b>48.8m (160 Ft.) BOOM</b>										
8.5	82.9	51.3	177 300 *	40 300	195 300 *	92 900	217 700 *	152 200	217 700 *	8.5
9.0	82.4	51.3	167 600 *	35 700	184 700 *	85 000	207 800 *	140 600	217 700 *	9.0
10.0	81.2	51.1	149 300 *	27 200	164 800 *	70 500	186 200 *	119 400	211 800 *	10.0
11.0	80.0	50.9	132 000	20 600	148 400 *	59 300	168 000 *	102 900	190 000 *	11.0
12.0	78.8	50.7	113 500	15 300	134 600 *	50 200	152 700 *	89 600	172 900 *	12.0
13.0	77.6	50.5	98 900	10 900	122 700	42 800	139 600 *	78 600	158 300 *	13.0
14.0	76.4	50.2	87 100	7 200	110 000	36 400	128 300 *	69 400	145 800 *	14.0
15.0	75.2	50.0	77 300	4 100	98 200	31 100	118 400 *	61 600	134 800 *	15.0
16.0	73.9	49.7	69 000		88 300	26 500	109 700 *	54 900	125 100 *	16.0
18.0	71.5	49.0	56 000		72 600	19 000	95 200 *	43 900	108 900 *	18.0
20.0	68.9	48.2	46 200		60 700	13 100	81 200	35 300	95 900 *	20.0
22.0	66.4	47.4	38 400		51 400	8 400	69 600	28 400	85 100 *	22.0
24.0	63.8	46.4	32 100		43 900	4 600	60 400	22 700	76 100 *	24.0
26.0	61.1	45.3	27 000		37 700		52 700	18 000	68 400 *	26.0
28.0	58.3	44.1	22 700		32 500		46 300	13 900	61 700	28.0
30.0	55.5	42.7	19 000		28 100		40 900	10 500	55 300	30.0
32.0	52.6	41.2	15 900		24 300		36 200	7 500	49 500	32.0
34.0	49.5	39.5	13 100		21 000		32 100	4 800	44 000 *	34.0
36.0	46.3	37.7	10 700		18 100		28 600	2 500	38 800 *	36.0
38.0	42.9	35.6	8 600		15 600		25 400	400	34 200 *	38.0



# Liftcrane Boom Capacities With Luffing Jib Attached

Meets  
ANSI B30.5  
Requirements

## MAX-ER 225 On 2250 or M-250

Boom No. 49A-44 With Heavy Lift Top  
Luffing Jib No. 133 or No. 133A  
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 Hanging Counterweight  
360 Degree Rating

### 30.5m (100 Ft.) Luffing Jib 160 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	0 kg Hanging Counterweight	24 950 kg Hanging Counterweight		61 230 kg Hanging Counterweight		102 060 kg Hanging Counterweight		Boom 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	
<b>54.9m (180 Ft.) BOOM</b>										
9.8	82.4	57.3	152 100 *	29 000	168 000 *	74 100	189 900 *	124 800	214 500 *	9.8
10.0	82.2	57.3	148 100 *	27 200	163 600 *	70 900	185 000 *	120 300	209 100 *	10.0
11.0	81.1	57.1	131 900	20 300	147 100 *	59 300	166 600 *	103 300	188 700 *	11.0
12.0	80.1	56.9	113 100	14 800	133 300 *	50 000	151 300 *	89 700	171 600 *	12.0
13.0	79.0	56.7	98 500	10 300	121 500 *	42 400	138 300 *	78 500	157 000 *	13.0
14.0	77.9	56.5	86 600	6 500	109 500	36 000	126 900 *	69 200	144 400 *	14.0
15.0	76.8	56.3	76 700	3 300	97 600	30 500	117 100 *	61 200	133 500 *	15.0
16.0	75.8	56.0	68 400		87 600	25 800	108 400 *	54 300	123 800 *	16.0
18.0	73.6	55.4	55 300		71 900	18 100	93 800 *	43 100	107 600 *	18.0
20.0	71.4	54.8	45 300		59 900	12 100	80 400	34 400	94 500 *	20.0
22.0	69.2	54.0	37 500		50 500	7 300	68 800	27 400	83 800 *	22.0
24.0	66.9	53.2	31 200		43 000	3 400	59 400	21 600	74 800 *	24.0
26.0	64.6	52.2	26 000		36 700		51 700	16 800	67 100 *	26.0
28.0	62.2	51.2	21 700		31 500		45 300	12 700	60 500	28.0
30.0	59.8	50.0	18 000		27 100		39 800	9 200	54 300	30.0
32.0	57.3	48.8	14 800		23 300		35 200	6 100	48 500	32.0
34.0	54.8	47.4	12 000		19 900		31 100	3 400	43 500	34.0
36.0	52.2	45.8	9 600		17 000		27 500	1 100	39 200	36.0
38.0	49.4	44.1	7 400		14 500		24 300		35 000	38.0
40.0	46.6	42.3			12 200		21 400		30 800 *	40.0
42.0	43.6	40.2			10 100		18 900		27 000 *	42.0



# Liftcrane Boom Capacities With Luffing Jib Attached

Meets  
ANSI B30.5  
Requirements

# MAX-ER 225 On 2250 or M-250

Boom No. 49A-44 With Heavy Lift Top  
Luffing Jib No. 133 or No. 133A  
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 Hanging Counterweight  
360 Degree Rating

## 30.5m (100 Ft.) Luffing Jib 160 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	0 kg Hanging Counterweight	24 950 kg Hanging Counterweight		61 230 kg Hanging Counterweight		102 060 kg Hanging Counterweight		Boom 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	
<b>61.0m (200 Ft.) BOOM</b>										
10.4	82.6	63.4	142 100 *	25 500	157 100 *	67 800	177 800 *	115 300	201 000 *	10.4
11.0	82.0	63.3	132 500	21 300	147 000 *	60 600	166 600 *	104 900	188 500 *	11.0
12.0	81.1	63.1	113 700	15 700	133 200 *	51 200	151 200 *	91 100	171 500 *	12.0
13.0	80.1	62.9	99 000	11 100	121 400 *	43 400	138 100 *	79 800	156 900 *	13.0
14.0	79.1	62.8	87 000	7 200	109 900	36 900	126 900 *	70 300	144 300 *	14.0
15.0	78.2	62.5	77 100	3 900	98 000	31 300	117 000 *	62 200	133 400 *	15.0
16.0	77.2	62.3	68 800		88 000	26 500	108 300 *	55 200	123 700 *	16.0
18.0	75.3	61.8	55 600		72 100	18 700	93 800 *	43 900	107 500 *	18.0
20.0	73.3	61.2	45 600		60 200	12 600	80 700	35 000	94 400 *	20.0
22.0	71.3	60.5	37 700		50 700	7 700	69 000	27 900	83 700 *	22.0
24.0	69.3	59.8	31 400		43 100	3 700	59 600	22 000	74 700 *	24.0
26.0	67.3	58.9	26 200		36 900		51 900	17 200	67 000 *	26.0
28.0	65.2	58.0	21 800		31 600		45 400	13 000	60 400 *	28.0
30.0	63.1	57.0	18 100		27 200		39 900	9 400	54 400	30.0
32.0	61.0	55.9	14 900		23 400		35 200	6 400	48 600	32.0
34.0	58.8	54.7	12 100		20 000		31 100	3 600	43 600	34.0
36.0	56.5	53.4	9 700		17 100		27 500	1 200	39 200	36.0
38.0	54.2	52.0	7 500		14 500		24 300		35 300	38.0
40.0	51.9	50.4			12 200		21 500		31 900	40.0
42.0	49.4	48.7			10 100		18 900		28 700	42.0
44.0	46.8	46.9			7 900 *		16 500		25 300 *	44.0
46.0	44.2	44.9			5 900 *		14 100 *		22 100 *	46.0





# Liftcrane Boom Capacities With Luffing Jib Attached

Meets  
ANSI B30.5  
Requirements

## MAX-ER 225 On 2250 or M-250

Boom No. 49A-44 With Heavy Lift Top  
Luffing Jib No. 133 or No. 133A  
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 Hanging Counterweight  
360 Degree Rating

### 30.5m (100 Ft.) Luffing Jib 160 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	0 kg Hanging Counterweight	24 950 kg Hanging Counterweight		61 230 kg Hanging Counterweight		102 060 kg Hanging Counterweight		Boom 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	
<b>67.1m (220 Ft.) BOOM</b>										
11.0	82.8	69.5	133 000 *	22 300	147 200 *	62 000	163 200 *	106 800	163 200 *	11.0
12.0	81.9	69.3	114 100	16 400	133 000 *	52 200	151 400 *	92 400	163 200 *	12.0
13.0	81.0	69.1	99 300	11 700	121 300 *	44 300	137 900 *	81 000	157 300 *	13.0
14.0	80.1	69.0	87 300	7 700	110 100	37 600	126 700 *	71 300	144 200 *	14.0
15.0	79.3	68.8	77 400	4 400	98 300	32 000	116 800 *	63 100	133 200 *	15.0
16.0	78.4	68.6	69 000		88 200	27 100	108 200 *	56 000	123 500 *	16.0
18.0	76.6	68.1	55 800		72 300	19 200	93 600 *	44 600	107 300 *	18.0
20.0	74.9	67.6	45 700		60 300	13 100	80 900	35 600	94 300 *	20.0
22.0	73.1	66.9	37 800		50 900	8 100	69 100	28 400	83 500 *	22.0
24.0	71.3	66.3	31 500		43 200	4 000	59 700	22 500	74 500 *	24.0
26.0	69.5	65.5	26 300		37 000		52 000	17 500	66 900 *	26.0
28.0	67.6	64.7	21 900		31 700		45 500	13 300	60 300 *	28.0
30.0	65.7	63.8	18 200		27 300		40 000	9 700	54 300	30.0
32.0	63.8	62.8	15 000		23 400		35 300	6 600	48 600	32.0
34.0	61.9	61.8	12 200		20 100		31 200	3 900	43 600	34.0
36.0	59.9	60.6	9 700		17 200		27 500	1 400	39 300	36.0
38.0	57.9	59.4	7 500		14 500		24 400		35 400	38.0
40.0	55.9	58.1			12 200		21 500		31 900	40.0
42.0	53.8	56.6			10 200		18 900		28 800	42.0
44.0	51.6	55.0			8 000		16 600		26 000	44.0
46.0	49.4	53.3			6 000 *		14 200 *		23 500	46.0
48.0	47.0	51.5					12 000 *		20 600 *	48.0
50.0	44.6	49.5					9 900 *		17 900 *	50.0



# Liftcrane Boom Capacities With Luffing Jib Attached

Meets  
ANSI B30.5  
Requirements

# MAX-ER 225 On 2250 or M-250

Boom No. 49A-44 With Heavy Lift Top  
Luffing Jib No. 133 or No. 133A  
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 Hanging Counterweight  
360 Degree Rating

## 30.5m (100 Ft.) Luffing Jib 160 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	24 950 kg Hanging Counterweight		61 230 kg Hanging Counterweight		102 060 kg Hanging Counterweight		Boom 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	
<b>73.2m (240 Ft.) BOOM</b>									
11.6	82.9	75.5	19 300	138 300 *	56 800	152 400 *	99 200	152 400 *	11.6
12.0	82.6	75.5	17 000	132 900 *	53 100	149 500 *	93 700	152 400 *	12.0
13.0	81.8	75.3	12 200	121 100 *	45 000	137 800 *	82 000	152 000 *	13.0
14.0	81.0	75.2	8 200	110 300	38 300	126 500 *	72 200	144 100 *	14.0
15.0	80.2	75.0	4 800	98 400	32 600	116 700 *	63 900	133 000 *	15.0
16.0	79.4	74.8		88 400	27 700	108 000 *	56 800	123 400 *	16.0
18.0	77.8	74.4		72 500	19 700	93 500 *	45 200	107 200 *	18.0
20.0	76.2	73.9		60 400	13 500	81 000	36 100	94 200 *	20.0
22.0	74.5	73.3		51 000	8 500	69 200	28 800	83 400 *	22.0
24.0	72.9	72.7		43 300	4 300	59 800	22 800	74 400 *	24.0
26.0	71.3	72.0		37 000		52 100	17 800	66 800 *	26.0
28.0	69.6	71.3		31 700		45 600	13 600	60 200 *	28.0
30.0	67.9	70.5		27 300		40 100	10 000	54 300	30.0
32.0	66.2	69.6		23 500		35 300	6 800	48 700	32.0
34.0	64.4	68.7		20 100		31 200	4 000	43 700	34.0
36.0	62.7	67.6		17 100		27 600	1 600	39 300	36.0
38.0	60.9	66.5		14 500		24 400		35 400	38.0
40.0	59.1	65.3		12 200		21 500		31 900	40.0
42.0	57.2	64.1		10 100		18 900		28 800	42.0
44.0	55.3	62.7		8 100		16 600		26 000	44.0
46.0	53.4	61.2		6 000 *		14 300 *		23 500	46.0
48.0	51.4	59.6				12 000 *		21 000 *	48.0
50.0	49.3	57.9				9 900 *		18 500 *	50.0
52.0	47.2	56.1				8 000 *		16 200 *	52.0
54.0	45.0	54.1				6 300 *		14 100 *	54.0
56.0	42.7	52.0						11 900 *	56.0



# Liftcrane Boom Capacities With Luffing Jib Attached

Meets  
ANSI B30.5  
Requirements

## MAX-ER 225 On 2250 or M-250

Boom No. 49A-44 With Heavy Lift Top  
Luffing Jib No. 133 or No. 133A  
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 Hanging Counterweight  
360 Degree Rating

### 30.5m (100 Ft.) Luffing Jib 160 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	61 230 kg Hanging Counterweight		102 060 kg Hanging Counterweight		Boom 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	
<b>79.2m (260 Ft.) BOOM</b>							
12.2	83.0	81.6	52 000	124 300 *	92 100	124 300 *	12.2
13.0	82.4	81.5	45 500	122 100 *	82 700	122 100 *	13.0
14.0	81.7	81.3	38 800	119 500 *	72 900	119 500 *	14.0
15.0	80.9	81.2	33 000	115 900 *	64 500	116 900 *	15.0
16.0	80.2	81.0	28 000	108 500 *	57 300	114 300 *	16.0
18.0	78.7	80.6	19 900	93 200 *	45 500	106 500 *	18.0
20.0	77.3	80.1	13 600	80 900	36 400	93 900 *	20.0
22.0	75.8	79.6	8 500	69 100	29 000	83 100 *	22.0
24.0	74.3	79.1	4 400	59 700	23 000	74 100 *	24.0
26.0	72.7	78.5		52 000	17 900	66 500 *	26.0
28.0	71.2	77.8		45 400	13 700	59 900 *	28.0
30.0	69.7	77.1		39 900	10 000	54 100	30.0
32.0	68.1	76.3		35 200	6 800	48 500	32.0
34.0	66.5	75.4		31 000	4 000	43 500	34.0
36.0	65.0	74.5		27 400	1 500	39 100	36.0
38.0	63.3	73.5		24 200		35 200	38.0
40.0	61.7	72.4		21 300		31 800	40.0
42.0	60.0	71.3		18 800		28 700	42.0
44.0	58.3	70.0		16 500		25 900	44.0
46.0	56.6	68.7		14 200 *		23 300	46.0
48.0	54.8	67.3		11 900 *		20 900 *	48.0
50.0	53.0	65.8		9 800 *		18 400 *	50.0
52.0	51.2	64.2		7 900 *		16 100 *	52.0
54.0	49.3	62.5		6 100 *		14 000 *	54.0
56.0	47.3	60.7				12 100 *	56.0
58.0	45.3	58.8				10 300 *	58.0
60.0	43.2	56.7				8 500 *	60.0



# Liftcrane Boom Capacities With Luffing Jib Attached

Meets  
ANSI B30.5  
Requirements

## MAX-ER 225 On 2250 or M-250

Boom No. 49A-44 With Heavy Lift Top  
 Luffing Jib No. 133 or No. 133A  
 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 Hanging Counterweight  
 360 Degree Rating

### 30.5m (100 Ft.) Luffing Jib 160 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	61 230 kg Hanging Counterweight		102 060 kg Hanging Counterweight		Boom 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	
<b>85.3m (280 Ft.) BOOM</b>							
13.4	82.7	87.6	43 300	106 000 *	79 400	106 000 *	13.4
14.0	82.3	87.5	39 400	104 600 *	73 700	104 600 *	14.0
15.0	81.6	87.3	33 500	102 300 *	65 200	102 300 *	15.0
16.0	80.9	87.2	28 500	100 000 *	58 000	100 000 *	16.0
18.0	79.5	86.8	20 300	92 800 *	46 100	95 500 *	18.0
20.0	78.2	86.4	13 900	81 000	36 800	90 900 *	20.0
22.0	76.8	85.9	8 700	69 100	29 300	83 300 *	22.0
24.0	75.4	85.4	4 500	59 700	23 300	73 900 *	24.0
26.0	74.0	84.8		51 900	18 100	66 300 *	26.0
28.0	72.6	84.2		45 400	13 900	59 700 *	28.0
30.0	71.2	83.5		39 900	10 100	54 000 *	30.0
32.0	69.8	82.8		35 100	6 900	48 500	32.0
34.0	68.3	82.0		31 000	4 100	43 500	34.0
36.0	66.9	81.2		27 400	1 600	39 100	36.0
38.0	65.4	80.3		24 100		35 200	38.0
40.0	63.9	79.3		21 300		31 700	40.0
42.0	62.4	78.3		18 700		28 600	42.0
44.0	60.8	77.1		16 400		25 800	44.0
46.0	59.3	76.0		14 200 *		23 200	46.0
48.0	57.7	74.7		11 900 *		20 800	48.0
50.0	56.1	73.4		9 800 *		18 400 *	50.0
52.0	54.4	72.0		7 900 *		16 100 *	52.0
54.0	52.8	70.5		6 000 *		14 000 *	54.0
56.0	51.0	68.9				12 000 *	56.0
58.0	49.3	67.1				10 200 *	58.0
60.0	47.5	65.3				8 500 *	60.0
62.0	45.6	63.4				6 900 *	62.0
64.0	43.7	61.3				5 400 *	64.0



# Liftcrane Boom Capacities With Luffing Jib Attached

Meets  
ANSI B30.5  
Requirements

## MAX-ER 225 On 2250 or M-250

Boom No. 49A-44 With Heavy Lift Top  
Luffing Jib No. 133 or No. 133A  
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 Hanging Counterweight  
360 Degree Rating

### 30.5m (100 Ft.) Luffing Jib 160 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	102 060 kg Hanging Counterweight	
			Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms
<b>91.4m (300 Ft.) BOOM</b>				
16.8	81.0	93.2	53 300	74 200 *
18.0	80.3	93.0	46 400	72 100 *
20.0	79.0	92.6	36 900	68 600 *
22.0	77.7	92.2	29 400	65 300 *
24.0	76.4	91.7	23 200	62 000 *
26.0	75.1	91.2	18 100	58 800 *
28.0	73.8	90.6	13 700	55 600 *
30.0	72.5	90.0	10 000	52 500 *
32.0	71.2	89.3	6 800	48 200
34.0	69.8	88.6	3 900	43 200
36.0	68.5	87.8	1 400	38 800
38.0	67.1	87.0		34 900
40.0	65.8	86.1		31 400
42.0	64.4	85.1		28 300
44.0	63.0	84.1		25 500
46.0	61.5	83.0		23 000
48.0	60.1	81.9		20 600
50.0	58.6	80.7		18 100 *
52.0	57.1	79.4		15 800 *
54.0	55.6	78.0		13 700 *
56.0	54.1	76.6		11 700 *
58.0	52.5	75.1		9 900 *
60.0	50.9	73.5		8 200 *
62.0	49.3	71.7		6 600 *
64.0	47.6	69.9		5 100 *



# Liftcrane Boom Capacities With Luffing Jib Attached

Meets  
ANSI B30.5  
Requirements

## MAX-ER 225 On 2250 or M-250

Boom No. 49A-44 With Heavy Lift Top  
Luffing Jib No. 133 or No. 133A  
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 Hanging Counterweight  
360 Degree Rating

**33.5m (110 Ft.) Luffing Jib  
160 Degree Boom to Luffing Jib Angle**

Boom Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	0 kg Hanging Counterweight	24 950 kg Hanging Counterweight		61 230 kg Hanging Counterweight		102 060 kg Hanging Counterweight		Boom 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	
<b>42.7m (140 Ft.) BOOM</b>										
7.9	82.7	45.3	190 500 *	44 000	209 800 *	101 100	217 700 *			7.9
8.0	82.6	45.3	188 800 *	43 100	207 900 *	99 700	217 700 *			8.0
8.5	82.0	45.2	176 900 *	37 400	195 000 *	89 800	217 700 *			8.5
9.0	81.3	45.1	166 300 *	32 400	183 400 *	81 200	206 900 *	136 500	217 700 *	9.0
10.0	79.9	44.9	148 200 *	24 300	163 700 *	67 300	185 100 *	115 800	210 600 *	10.0
11.0	78.5	44.7	129 700	17 900	147 300 *	56 300	166 900 *	99 600	188 900 *	11.0
12.0	77.2	44.5	111 400	12 700	133 500 *	47 400	151 500 *	86 500	171 800 *	12.0
13.0	75.8	44.2	96 900	8 500	121 500	40 100	138 500 *	75 800	157 300 *	13.0
14.0	74.4	43.9	85 200	4 900	108 100	34 000	127 200 *	66 800	144 700 *	14.0
15.0	73.0	43.6	75 500	1 800	96 400	28 700	117 300 *	59 100	133 700 *	15.0
16.0	71.5	43.2	67 300		86 500	24 300	108 700 *	52 500	124 100 *	16.0
18.0	68.7	42.5	54 400		71 000	16 900	93 900	41 600	107 900 *	18.0
20.0	65.7	41.6	44 600		59 200	11 200	79 700	33 200	94 800 *	20.0
22.0	62.7	40.6	37 000		49 900	6 500	68 200	26 400	84 100 *	22.0
24.0	59.6	39.4	30 800		42 500	2 700	59 000	20 800	75 100 *	24.0
26.0	56.4	38.1	25 700		36 300		51 400	16 200	67 200 *	26.0
28.0	53.1	36.6	21 400		31 200		45 000	12 200	58 700 *	28.0
30.0	49.6	35.0	17 800		26 800		39 600	8 800	51 400 *	30.0
32.0	45.9	33.1	14 700		23 100		35 000	5 800	45 100 *	32.0



# Liftcrane Boom Capacities With Luffing Jib Attached

Meets  
ANSI B30.5  
Requirements

## MAX-ER 225 On 2250 or M-250

Boom No. 49A-44 With Heavy Lift Top  
Luffing Jib No. 133 or No. 133A  
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 Hanging Counterweight  
360 Degree Rating

### 33.5m (110 Ft.) Luffing Jib 160 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	0 kg Hanging Counterweight	24 950 kg Hanging Counterweight		61 230 kg Hanging Counterweight		102 060 kg Hanging Counterweight		Boom 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	
<b>48.8m (160 Ft.) BOOM</b>										
8.5	82.9	51.3	175 900 *	38 000	193 800 *	90 600	217 700 *	149 900	217 700 *	8.5
9.0	82.4	51.3	166 200 *	33 400	183 400 *	82 700	206 800 *	138 300	217 700 *	9.0
10.0	81.2	51.1	148 000 *	25 100	163 400 *	68 400	184 800 *	117 300	210 400 *	10.0
11.0	80.0	50.9	130 200	18 600	147 100 *	57 300	166 700 *	100 900	188 700 *	11.0
12.0	78.8	50.7	111 800	13 400	133 400 *	48 300	151 400 *	87 700	171 700 *	12.0
13.0	77.6	50.5	97 300	9 100	121 500	41 000	138 300 *	76 800	157 100 *	13.0
14.0	76.4	50.2	85 600	5 500	108 500	34 700	127 100 *	67 700	144 600 *	14.0
15.0	75.2	50.0	75 900	2 400	96 700	29 400	117 300 *	60 000	133 600 *	15.0
16.0	73.9	49.7	67 700		86 900	24 900	108 600 *	53 300	124 000 *	16.0
18.0	71.5	49.0	54 700		71 300	17 500	94 100 *	42 300	107 800 *	18.0
20.0	68.9	48.2	44 900		59 500	11 700	80 000	33 800	94 900 *	20.0
22.0	66.4	47.4	37 200		50 200	7 000	68 500	26 900	84 100 *	22.0
24.0	63.8	46.4	31 000		42 800	3 100	59 300	21 300	75 100 *	24.0
26.0	61.1	45.3	25 900		36 600		51 700	16 600	67 500 *	26.0
28.0	58.3	44.1	21 600		31 500		45 300	12 600	60 800	28.0
30.0	55.5	42.7	18 000		27 100		39 900	9 200	54 300	30.0
32.0	52.6	41.2	14 900		23 300		35 200	6 200	48 500	32.0
34.0	49.5	39.5	12 200		20 000		31 200	3 600	42 700 *	34.0
36.0	46.3	37.7	9 800		17 200		27 600	1 200	37 600 *	36.0
38.0	42.9	35.6	7 700		14 600		24 500		33 000 *	38.0



# Liftcrane Boom Capacities With Luffing Jib Attached

Meets  
ANSI B30.5  
Requirements

# MAX-ER 225 On 2250 or M-250

Boom No. 49A-44 With Heavy Lift Top  
Luffing Jib No. 133 or No. 133A  
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 Hanging Counterweight  
360 Degree Rating

**33.5m (110 Ft.) Luffing Jib  
160 Degree Boom to Luffing Jib Angle**

Boom Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	0 kg Hanging Counterweight	24 950 kg Hanging Counterweight		61 230 kg Hanging Counterweight		102 060 kg Hanging Counterweight		Boom 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	
<b>54.9m (180 Ft.) BOOM</b>										
9.8	82.4	57.3	150 800 *	26 900	166 700 *	72 000	188 600 *	122 800	213 200 *	9.8
10.0	82.2	57.3	146 800 *	25 100	162 300 *	68 900	183 700 *	118 200	207 800 *	10.0
11.0	81.1	57.1	130 100	18 400	145 900 *	57 400	165 400 *	101 400	187 400 *	11.0
12.0	80.1	56.9	111 600	13 000	132 100 *	48 200	150 100 *	87 900	170 400 *	12.0
13.0	79.0	56.7	96 900	8 600	120 400	40 700	137 100 *	76 800	155 900 *	13.0
14.0	77.9	56.5	85 100	4 800	108 100	34 300	125 800 *	67 500	143 300 *	14.0
15.0	76.8	56.3	75 400	1 600	96 300	28 900	116 000 *	59 600	132 400 *	15.0
16.0	75.8	56.0	67 100		86 300	24 200	107 300 *	52 800	122 700 *	16.0
18.0	73.6	55.4	54 000		70 600	16 600	92 800 *	41 700	106 600 *	18.0
20.0	71.4	54.8	44 200		58 700	10 700	79 300	33 000	93 500 *	20.0
22.0	69.2	54.0	36 400		49 400	5 900	67 700	26 000	82 800 *	22.0
24.0	66.9	53.2	30 100		41 900	2 000	58 400	20 300	73 800 *	24.0
26.0	64.6	52.2	25 000		35 700		50 700	15 500	66 200 *	26.0
28.0	62.2	51.2	20 700		30 500		44 300	11 400	59 500	28.0
30.0	59.8	50.0	17 000		26 100		38 900	7 900	53 300	30.0
32.0	57.3	48.8	13 900		22 300		34 200	4 900	47 500	32.0
34.0	54.8	47.4	11 100		19 000		30 100	2 200	42 600	34.0
36.0	52.2	45.8	8 700		16 100		26 500		38 200	36.0
38.0	49.4	44.1	6 200 *		13 500		23 400		33 900	38.0
40.0	46.6	42.3			11 300		20 500		29 700 *	40.0
42.0	43.6	40.2			9 000 *		18 000		25 800 *	42.0





# Liftcrane Boom Capacities With Luffing Jib Attached

Meets  
ANSI B30.5  
Requirements

## MAX-ER 225 On 2250 or M-250

Boom No. 49A-44 With Heavy Lift Top  
Luffing Jib No. 133 or No. 133A  
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 Hanging Counterweight  
360 Degree Rating

**33.5m (110 Ft.) Luffing Jib**  
**160 Degree Boom to Luffing Jib Angle**

Boom Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	0 kg Hanging Counterweight	24 950 kg Hanging Counterweight		61 230 kg Hanging Counterweight		102 060 kg Hanging Counterweight		Boom 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	
<b>61.0m (200 Ft.) BOOM</b>										
10.4	82.6	63.4	140 800 *	23 600	155 800 *	65 800	176 500 *	113 400	199 800 *	10.4
11.0	82.0	63.3	130 800	19 400	145 800 *	58 800	165 300 *	103 100	187 300 *	11.0
12.0	81.1	63.1	112 200	13 900	132 000 *	49 400	150 000 *	89 400	170 300 *	12.0
13.0	80.1	62.9	97 500	9 400	120 300 *	41 700	137 000 *	78 100	155 800 *	13.0
14.0	79.1	62.8	85 600	5 600	108 500	35 200	125 700 *	68 700	143 300 *	14.0
15.0	78.2	62.5	75 800	2 300	96 700	29 700	115 900 *	60 700	132 300 *	15.0
16.0	77.2	62.3	67 500		86 700	25 000	107 300 *	53 700	122 600 *	16.0
18.0	75.3	61.8	54 400		71 000	17 300	92 700 *	42 500	106 500 *	18.0
20.0	73.3	61.2	44 500		59 000	11 300	79 600	33 700	93 400 *	20.0
22.0	71.3	60.5	36 600		49 600	6 400	67 900	26 600	82 700 *	22.0
24.0	69.3	59.8	30 400		42 100	2 400	58 600	20 800	73 800 *	24.0
26.0	67.3	58.9	25 200		35 900		50 900	15 900	66 100 *	26.0
28.0	65.2	58.0	20 800		30 700		44 500	11 800	59 500 *	28.0
30.0	63.1	57.0	17 200		26 200		39 000	8 200	53 500	30.0
32.0	61.0	55.9	14 000		22 400		34 300	5 200	47 700	32.0
34.0	58.8	54.7	11 200		19 100		30 200	2 500	42 700	34.0
36.0	56.5	53.4	8 800		16 200		26 600		38 300	36.0
38.0	54.2	52.0	6 300 *		13 600		23 500		34 500	38.0
40.0	51.9	50.4			11 300		20 600		31 000	40.0
42.0	49.4	48.7			9 100 *		18 100		27 800	42.0
44.0	46.8	46.9			6 900 *		15 500 *		24 200 *	44.0
46.0	44.2	44.9					13 000 *		21 000 *	46.0



# Liftcrane Boom Capacities With Luffing Jib Attached

Meets  
ANSI B30.5  
Requirements

# MAX-ER 225 On 2250 or M-250

Boom No. 49A-44 With Heavy Lift Top  
Luffing Jib No. 133 or No. 133A  
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 Hanging Counterweight  
360 Degree Rating

**33.5m (110 Ft.) Luffing Jib**  
**160 Degree Boom to Luffing Jib Angle**

Boom Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	0 kg Hanging Counterweight	24 950 kg Hanging Counterweight		61 230 kg Hanging Counterweight		102 060 kg Hanging Counterweight		Boom 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	
<b>67.1m (220 Ft.) BOOM</b>										
11.0	82.8	69.5	131 800	20 500	146 000 *	60 200	162 000 *	105 000	162 000 *	11.0
12.0	81.9	69.3	112 600	14 600	131 900 *	50 400	150 300 *	90 700	162 000 *	12.0
13.0	81.0	69.1	97 800	10 000	120 100 *	42 600	136 900 *	79 300	156 200 *	13.0
14.0	80.1	69.0	85 900	6 100	108 800	36 000	125 600 *	69 700	143 100 *	14.0
15.0	79.3	68.8	76 100	2 900	97 000	30 500	115 800 *	61 600	132 100 *	15.0
16.0	78.4	68.6	67 800		87 000	25 700	107 100 *	54 600	122 500 *	16.0
18.0	76.6	68.1	54 600		71 200	17 800	92 600 *	43 200	106 400 *	18.0
20.0	74.9	67.6	44 600		59 200	11 700	79 800	34 300	93 400 *	20.0
22.0	73.1	66.9	36 800		49 800	6 800	68 100	27 100	82 600 *	22.0
24.0	71.3	66.3	30 500		42 200	2 800	58 700	21 200	73 700 *	24.0
26.0	69.5	65.5	25 300		36 000		51 100	16 300	66 000 *	26.0
28.0	67.6	64.7	21 000		30 800		44 600	12 100	59 400 *	28.0
30.0	65.7	63.8	17 300		26 300		39 100	8 600	53 500	30.0
32.0	63.8	62.8	14 100		22 500		34 400	5 400	47 800	32.0
34.0	61.9	61.8	11 300		19 200		30 300	2 700	42 800	34.0
36.0	59.9	60.6	8 900		16 300		26 700		38 400	36.0
38.0	57.9	59.4	6 500		13 700		23 500		34 600	38.0
40.0	55.9	58.1			11 400		20 700		31 100	40.0
42.0	53.8	56.6			9 200		18 100		28 000	42.0
44.0	51.6	55.0			7 000 *		15 600		25 200	44.0
46.0	49.4	53.3					13 200 *		22 500 *	46.0
48.0	47.0	51.5					10 900 *		19 600 *	48.0
50.0	44.6	49.5					8 900 *		16 800 *	50.0



# Liftcrane Boom Capacities With Luffing Jib Attached

Meets  
ANSI B30.5  
Requirements

## MAX-ER 225 On 2250 or M-250

Boom No. 49A-44 With Heavy Lift Top  
Luffing Jib No. 133 or No. 133A  
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 Hanging Counterweight  
360 Degree Rating

### 33.5m (110 Ft.) Luffing Jib 160 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	24 950 kg Hanging Counterweight		61 230 kg Hanging Counterweight		102 060 kg Hanging Counterweight		Boom 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	
<b>73.2m (240 Ft.) BOOM</b>									
11.6	82.9	75.5	17 500	137 200 *	55 100	150 800 *	97 400	150 800 *	11.6
12.0	82.6	75.5	15 300	131 800 *	51 400	148 300 *	92 000	150 800 *	12.0
13.0	81.8	75.3	10 600	120 000 *	43 400	136 700 *	80 400	150 600 *	13.0
14.0	81.0	75.2	6 700	109 000	36 800	125 500 *	70 700	143 100 *	14.0
15.0	80.2	75.0	3 400	97 200	31 100	115 700 *	62 400	132 000 *	15.0
16.0	79.4	74.8		87 100	26 200	107 000 *	55 300	122 400 *	16.0
18.0	77.8	74.4		71 300	18 300	92 500 *	43 800	106 200 *	18.0
20.0	76.2	73.9		59 400	12 200	79 900	34 800	93 300 *	20.0
22.0	74.5	73.3		49 900	7 200	68 200	27 500	82 600 *	22.0
24.0	72.9	72.7		42 300	3 100	58 800	21 600	73 500 *	24.0
26.0	71.3	72.0		36 100		51 100	16 700	65 900 *	26.0
28.0	69.6	71.3		30 800		44 700	12 400	59 400 *	28.0
30.0	67.9	70.5		26 400		39 200	8 800	53 400	30.0
32.0	66.2	69.6		22 600		34 400	5 700	47 800	32.0
34.0	64.4	68.7		19 200		30 300	3 000	42 800	34.0
36.0	62.7	67.6		16 300		26 700		38 400	36.0
38.0	60.9	66.5		13 700		23 500		34 600	38.0
40.0	59.1	65.3		11 400		20 700		31 100	40.0
42.0	57.2	64.1		9 300		18 100		28 000	42.0
44.0	55.3	62.7		7 100 *		15 700		25 200	44.0
46.0	53.4	61.2				13 300 *		22 700 *	46.0
48.0	51.4	59.6				11 000 *		20 000 *	48.0
50.0	49.3	57.9				8 900 *		17 500 *	50.0
52.0	47.2	56.1				7 000 *		15 300 *	52.0
54.0	45.0	54.1				5 300 *		13 100 *	54.0
56.0	42.7	52.0						10 900 *	56.0



# Liftcrane Boom Capacities With Luffing Jib Attached

Meets  
ANSI B30.5  
Requirements

## MAX-ER 225 On 2250 or M-250

Boom No. 49A-44 With Heavy Lift Top  
Luffing Jib No. 133 or No. 133A  
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 Hanging Counterweight  
360 Degree Rating

### 33.5m (110 Ft.) Luffing Jib 160 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	61 230 kg Hanging Counterweight		102 060 kg Hanging Counterweight		Boom 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	
<b>79.2m (260 Ft.) BOOM</b>							
12.2	83.0	81.6	50 300	123 200 *	90 400	123 200 *	12.2
13.0	82.4	81.5	44 000	121 100 *	81 200	121 100 *	13.0
14.0	81.7	81.3	37 200	118 400 *	71 400	118 400 *	14.0
15.0	80.9	81.2	31 500	114 800 *	63 100	115 800 *	15.0
16.0	80.2	81.0	26 600	107 600 *	55 900	113 300 *	16.0
18.0	78.7	80.6	18 600	92 200 *	44 200	105 600 *	18.0
20.0	77.3	80.1	12 300	79 900	35 100	93 000 *	20.0
22.0	75.8	79.6	7 300	68 100	27 800	82 200 *	22.0
24.0	74.3	79.1	3 200	58 700	21 800	73 300 *	24.0
26.0	72.7	78.5		51 000	16 800	65 700 *	26.0
28.0	71.2	77.8		44 600	12 500	59 100 *	28.0
30.0	69.7	77.1		39 100	8 900	53 300	30.0
32.0	68.1	76.3		34 300	5 700	47 700	32.0
34.0	66.5	75.4		30 200	3 000	42 700	34.0
36.0	65.0	74.5		26 600		38 300	36.0
38.0	63.3	73.5		23 400		34 500	38.0
40.0	61.7	72.4		20 600		31 000	40.0
42.0	60.0	71.3		18 000		27 900	42.0
44.0	58.3	70.0		15 700		25 100	44.0
46.0	56.6	68.7		13 200 *		22 500	46.0
48.0	54.8	67.3		10 900 *		19 900 *	48.0
50.0	53.0	65.8		8 900 *		17 400 *	50.0
52.0	51.2	64.2		6 900 *		15 200 *	52.0
54.0	49.3	62.5				13 100 *	54.0
56.0	47.3	60.7				11 100 *	56.0
58.0	45.3	58.8				9 300 *	58.0
60.0	43.2	56.7				7 600 *	60.0



# Liftcrane Boom Capacities With Luffing Jib Attached

Meets  
 ANSI B30.5  
 Requirements

## MAX-ER 225 On 2250 or M-250

Boom No. 49A-44 With Heavy Lift Top  
 Luffing Jib No. 133 or No. 133A  
 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 Hanging Counterweight  
 360 Degree Rating

### 33.5m (110 Ft.) Luffing Jib 160 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	61 230 kg Hanging Counterweight		102 060 kg Hanging Counterweight		Boom 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	
<b>85.3m (280 Ft.) BOOM</b>							
13.4	82.7	87.6	41 700	104 900 *	77 800	104 900 *	13.4
14.0	82.3	87.5	37 900	103 500 *	72 200	103 500 *	14.0
15.0	81.6	87.3	32 100	101 200 *	63 800	101 200 *	15.0
16.0	80.9	87.2	27 100	98 900 *	56 500	98 900 *	16.0
18.0	79.5	86.8	19 000	91 800 *	44 800	94 400 *	18.0
20.0	78.2	86.4	12 700	80 000	35 500	89 900 *	20.0
22.0	76.8	85.9	7 500	68 200	28 100	82 500 *	22.0
24.0	75.4	85.4	3 400	58 700	22 100	73 100 *	24.0
26.0	74.0	84.8		51 000	17 000	65 400 *	26.0
28.0	72.6	84.2		44 500	12 700	58 900 *	28.0
30.0	71.2	83.5		39 000	9 000	53 200 *	30.0
32.0	69.8	82.8		34 300	5 900	47 600	32.0
34.0	68.3	82.0		30 200	3 000	42 600	34.0
36.0	66.9	81.2		26 500		38 300	36.0
38.0	65.4	80.3		23 400		34 400	38.0
40.0	63.9	79.3		20 500		30 900	40.0
42.0	62.4	78.3		17 900		27 800	42.0
44.0	60.8	77.1		15 600		25 000	44.0
46.0	59.3	76.0		13 200 *		22 500	46.0
48.0	57.7	74.7		10 900 *		19 900 *	48.0
50.0	56.1	73.4		8 800 *		17 400 *	50.0
52.0	54.4	72.0		6 900 *		15 100 *	52.0
54.0	52.8	70.5				13 000 *	54.0
56.0	51.0	68.9				11 100 *	56.0
58.0	49.3	67.1				9 300 *	58.0
60.0	47.5	65.3				7 600 *	60.0
62.0	45.6	63.4				6 000 *	62.0
64.0	43.7	61.3				4 500 *	64.0



# Liftcrane Boom Capacities With Luffing Jib Attached

Meets  
ANSI B30.5  
Requirements

## MAX-ER 225 On 2250 or M-250

Boom No. 49A-44 With Heavy Lift Top  
Luffing Jib No. 133 or No. 133A  
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 Hanging Counterweight  
360 Degree Rating

### 33.5m (110 Ft.) Luffing Jib 160 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	102 060 kg Hanging Counterweight	
			Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms
<b>91.4m (300 Ft.) BOOM</b>				
16.8	81.0	93.2	52 000	73 200 *
18.0	80.3	93.0	45 100	71 100 *
20.0	79.0	92.6	35 700	67 600 *
22.0	77.7	92.2	28 200	64 300 *
24.0	76.4	91.7	22 100	61 000 *
26.0	75.1	91.2	17 000	57 800 *
28.0	73.8	90.6	12 600	54 600 *
30.0	72.5	90.0	8 900	51 600 *
32.0	71.2	89.3	5 700	47 400
34.0	69.8	88.6	2 900	42 400
36.0	68.5	87.8		38 000
38.0	67.1	87.0		34 100
40.0	65.8	86.1		30 700
42.0	64.4	85.1		27 600
44.0	63.0	84.1		24 700
46.0	61.5	83.0		22 200
48.0	60.1	81.9		19 700 *
50.0	58.6	80.7		17 200 *
52.0	57.1	79.4		14 900 *
54.0	55.6	78.0		12 800 *
56.0	54.1	76.6		10 800 *
58.0	52.5	75.1		9 000 *
60.0	50.9	73.5		7 300 *
62.0	49.3	71.7		5 700 *



# Liftcrane Boom Capacities With Luffing Jib Attached

Meets  
ANSI B30.5  
Requirements

## MAX-ER 225 On 2250 or M-250

Boom No. 49A-44 With Heavy Lift Top  
Luffing Jib No. 133 or No. 133A  
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 Hanging Counterweight  
360 Degree Rating

**36.6m (120 Ft.) Luffing Jib  
168 Degree Boom to Luffing Jib Angle**

Boom Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	0 kg Hanging Counterweight	24 950 kg Hanging Counterweight		61 230 kg Hanging Counterweight		102 060 kg Hanging Counterweight		Boom 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	
<b>42.7m (140 Ft.) BOOM</b>										
7.9	82.7	45.3	192 000 *	47 000	211 300 *	104 200	217 700 *			7.9
8.0	82.6	45.3	190 200 *	46 100	209 300 *	102 600	217 700 *			8.0
8.5	82.0	45.2	178 200 *	40 000	196 300 *	92 400	217 700 *			8.5
9.0	81.3	45.1	167 500 *	34 700	184 600 *	83 600	207 800 *	138 900	217 700 *	9.0
10.0	79.9	44.9	149 100 *	26 100	164 600 *	69 100	186 000 *	117 700	211 700 *	10.0
11.0	78.5	44.7	131 100	19 400	148 100 *	57 800	167 600 *	101 200	189 600 *	11.0
12.0	77.2	44.5	112 500	13 900	134 100 *	48 600	152 100 *	87 800	172 400 *	12.0
13.0	75.8	44.2	97 800	9 400	122 000	41 100	139 000 *	76 800	157 700 *	13.0
14.0	74.4	43.9	85 900	5 600	108 800	34 700	127 500 *	67 500	145 100 *	14.0
15.0	73.0	43.6	76 000	2 400	96 900	29 300	117 600 *	59 700	134 000 *	15.0
16.0	71.5	43.2	67 700		86 900	24 700	108 800 *	52 900	124 200 *	16.0
18.0	68.7	42.5	54 500		71 100	17 100	94 000	41 800	107 900 *	18.0
20.0	65.7	41.6	44 600		59 200	11 100	79 700	33 200	94 700 *	20.0
22.0	62.7	40.6	36 800		49 800	6 300	68 000	26 200	83 900 *	22.0
24.0	59.6	39.4	30 500		42 200	2 400	58 700	20 500	74 800 *	24.0
26.0	56.4	38.1	25 300		36 000		51 000	15 700	66 700 *	26.0
28.0	53.1	36.6	20 900		30 700		44 500	11 600	58 100 *	28.0
30.0	49.6	35.0	17 200		26 300		39 100	8 100	50 700 *	30.0
32.0	45.9	33.1	14 000		22 500		34 300	5 000	44 300 *	32.0
34.0	41.9	30.9	11 300		19 200		30 200	2 300	38 600 *	34.0
36.0	37.6	28.4	8 800		16 200		26 600		33 500 *	36.0



# Liftcrane Boom Capacities With Luffing Jib Attached

Meets  
ANSI B30.5  
Requirements

## MAX-ER 225 On 2250 or M-250

Boom No. 49A-44 With Heavy Lift Top  
Luffing Jib No. 133 or No. 133A  
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 Hanging Counterweight  
360 Degree Rating

### 36.6m (120 Ft.) Luffing Jib 168 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	0 kg Hanging Counterweight	24 950 kg Hanging Counterweight		61 230 kg Hanging Counterweight		102 060 kg Hanging Counterweight		Boom 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	
<b>48.8m (160 Ft.) BOOM</b>										
8.5	82.9	51.3	177 200 *	40 700	195 200 *	93 300	217 700 *	152 600	217 700 *	8.5
9.0	82.4	51.3	167 500 *	35 900	184 600 *	85 200	207 700 *	140 800	217 700 *	9.0
10.0	81.2	51.1	149 000 *	27 100	164 500 *	70 400	185 900 *	119 300	211 500 *	10.0
11.0	80.0	50.9	131 700	20 200	148 000 *	59 000	167 500 *	102 600	189 500 *	11.0
12.0	78.8	50.7	113 000	14 700	134 100 *	49 700	152 100 *	89 100	172 400 *	12.0
13.0	77.6	50.5	98 300	10 200	122 100	42 000	138 900 *	77 900	157 700 *	13.0
14.0	76.4	50.2	86 400	6 300	109 300	35 600	127 500 *	68 600	145 000 *	14.0
15.0	75.2	50.0	76 500	3 100	97 400	30 200	117 600 *	60 700	134 000 *	15.0
16.0	73.9	49.7	68 200		87 400	25 500	108 900 *	53 800	124 200 *	16.0
18.0	71.5	49.0	55 000		71 600	17 800	94 200 *	42 600	108 000 *	18.0
20.0	68.9	48.2	45 000		59 600	11 800	80 100	33 900	94 800 *	20.0
22.0	66.4	47.4	37 200		50 200	6 900	68 400	26 900	84 000 *	22.0
24.0	63.8	46.4	30 900		42 600	2 900	59 100	21 100	74 900 *	24.0
26.0	61.1	45.3	25 700		36 300		51 400	16 300	67 200 *	26.0
28.0	58.3	44.1	21 300		31 100		44 900	12 200	60 400	28.0
30.0	55.5	42.7	17 600		26 700		39 400	8 700	53 800	30.0
32.0	52.6	41.2	14 400		22 900		34 700	5 600	47 900	32.0
34.0	49.5	39.5	11 600		19 500		30 600	2 900	42 000 *	34.0
36.0	46.3	37.7	9 200		16 600		27 000		36 800 *	36.0
38.0	42.9	35.6	6 800		14 000		23 800		32 200 *	38.0
40.0	39.2	33.2			11 700		21 000		28 000 *	40.0
42.0	35.2	30.4			9 500		18 400		24 200 *	42.0





# Liftcrane Boom Capacities With Luffing Jib Attached

Meets  
ANSI B30.5  
Requirements

## MAX-ER 225 On 2250 or M-250

Boom No. 49A-44 With Heavy Lift Top  
Luffing Jib No. 133 or No. 133A  
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 Hanging Counterweight  
360 Degree Rating

**36.6m (120 Ft.) Luffing Jib**  
**168 Degree Boom to Luffing Jib Angle**

Boom Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	0 kg Hanging Counterweight	24 950 kg Hanging Counterweight		61 230 kg Hanging Counterweight		102 060 kg Hanging Counterweight		Boom 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	
<b>54.9m (180 Ft.) BOOM</b>										
9.8	82.4	57.3	151 900 *	29 100	167 800 *	74 200	189 700 *	125 000	214 400 *	9.8
10.0	82.2	57.3	147 900 *	27 200	163 400 *	71 000	184 800 *	120 300	208 900 *	10.0
11.0	81.1	57.1	131 700	20 100	146 700 *	59 100	166 300 *	103 100	188 300 *	11.0
12.0	80.1	56.9	112 900	14 400	132 900 *	49 600	150 900 *	89 300	171 100 *	12.0
13.0	79.0	56.7	98 000	9 700	121 000 *	41 800	137 700 *	78 000	156 500 *	13.0
14.0	77.9	56.5	86 000	5 800	108 900	35 300	126 300 *	68 500	143 800 *	14.0
15.0	76.8	56.3	76 000	2 400	96 900	29 700	116 400 *	60 400	132 700 *	15.0
16.0	75.8	56.0	67 700		86 900	24 900	107 600 *	53 400	123 000 *	16.0
18.0	73.6	55.4	54 400		71 000	17 000	93 000 *	42 100	106 700 *	18.0
20.0	71.4	54.8	44 300		58 900	10 900	79 400	33 200	93 600 *	20.0
22.0	69.2	54.0	36 400		49 400	6 000	67 700	26 000	82 800 *	22.0
24.0	66.9	53.2	30 100		41 800	1 900	58 300	20 200	73 700 *	24.0
26.0	64.6	52.2	24 800		35 500		50 600	15 300	66 000 *	26.0
28.0	62.2	51.2	20 500		30 200		44 100	11 100	59 300	28.0
30.0	59.8	50.0	16 700		25 800		38 600	7 500	53 000	30.0
32.0	57.3	48.8	13 500		22 000		33 800	4 400	47 200	32.0
34.0	54.8	47.4	10 700		18 600		29 700	1 700	42 100	34.0
36.0	52.2	45.8	8 100		15 700		26 000		37 700	36.0
38.0	49.4	44.1	5 500 *		13 000		22 900		33 200 *	38.0
40.0	46.6	42.3			10 700		20 000		28 900 *	40.0
42.0	43.6	40.2			8 200 *		17 300 *		25 000 *	42.0
44.0	40.4	37.9			5 900 *		14 500 *		21 500 *	44.0
46.0	37.0	35.4					12 000 *		18 200 *	46.0



# Liftcrane Boom Capacities With Luffing Jib Attached

Meets  
ANSI B30.5  
Requirements

## MAX-ER 225 On 2250 or M-250

Boom No. 49A-44 With Heavy Lift Top  
Luffing Jib No. 133 or No. 133A  
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 Hanging Counterweight  
360 Degree Rating

**36.6m (120 Ft.) Luffing Jib  
168 Degree Boom to Luffing Jib Angle**

Boom Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	0 kg Hanging Counterweight	24 950 kg Hanging Counterweight		61 230 kg Hanging Counterweight		102 060 kg Hanging Counterweight		Boom 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	
<b>61.0m (200 Ft.) BOOM</b>										
10.4	82.6	63.4	141 900 *	25 600	156 800 *	67 800	177 500 *	115 400	200 800 *	10.4
11.0	82.0	63.3	132 400	21 200	146 700 *	60 500	166 200 *	104 900	188 300 *	11.0
12.0	81.1	63.1	113 500	15 400	132 800 *	50 900	150 800 *	90 900	171 100 *	12.0
13.0	80.1	62.9	98 600	10 600	121 000 *	42 900	137 600 *	79 400	156 400 *	13.0
14.0	79.1	62.8	86 500	6 600	109 400	36 300	126 300 *	69 700	143 800 *	14.0
15.0	78.2	62.5	76 600	3 200	97 500	30 600	116 400 *	61 500	132 800 *	15.0
16.0	77.2	62.3	68 100		87 300	25 700	107 600 *	54 400	123 000 *	16.0
18.0	75.3	61.8	54 800		71 400	17 800	93 000 *	42 900	106 700 *	18.0
20.0	73.3	61.2	44 700		59 300	11 500	79 800	33 900	93 600 *	20.0
22.0	71.3	60.5	36 700		49 800	6 500	68 000	26 700	82 700 *	22.0
24.0	69.3	59.8	30 300		42 100	2 400	58 600	20 700	73 600 *	24.0
26.0	67.3	58.9	25 100		35 800		50 800	15 800	65 900 *	26.0
28.0	65.2	58.0	20 700		30 500		44 300	11 600	59 300 *	28.0
30.0	63.1	57.0	16 900		26 000		38 800	8 000	53 200	30.0
32.0	61.0	55.9	13 700		22 100		34 000	4 800	47 400	32.0
34.0	58.8	54.7	10 900		18 700		29 900	2 000	42 300	34.0
36.0	56.5	53.4	8 300		15 800		26 200		37 900	36.0
38.0	54.2	52.0	5 800 *		13 200		23 000		34 100	38.0
40.0	51.9	50.4			10 800		20 100		30 600	40.0
42.0	49.4	48.7			8 400 *		17 500		27 200 *	42.0
44.0	46.8	46.9			6 100 *		14 800 *		23 500 *	44.0
46.0	44.2	44.9					12 300 *		20 200 *	46.0
48.0	41.3	42.6					10 000 *		17 200 *	48.0
50.0	38.4	40.2					7 900 *		14 400 *	50.0



# Liftcrane Boom Capacities With Luffing Jib Attached

Meets  
ANSI B30.5  
Requirements

## MAX-ER 225 On 2250 or M-250

Boom No. 49A-44 With Heavy Lift Top  
Luffing Jib No. 133 or No. 133A  
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 Hanging Counterweight  
360 Degree Rating

**36.6m (120 Ft.) Luffing Jib**  
**168 Degree Boom to Luffing Jib Angle**

Boom Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	0 kg Hanging Counterweight	24 950 kg Hanging Counterweight		61 230 kg Hanging Counterweight		102 060 kg Hanging Counterweight		Boom 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	
<b>67.1m (220 Ft.) BOOM</b>										
11.0	82.8	69.5	132 800 *	22 300	147 000 *	62 000	163 600 *	106 900	163 600 *	11.0
12.0	81.9	69.3	114 100	16 200	132 700 *	51 900	151 000 *	92 300	163 600 *	12.0
13.0	81.0	69.1	99 000	11 300	120 800 *	43 900	137 600 *	80 600	156 800 *	13.0
14.0	80.1	69.0	86 900	7 200	109 700	37 100	126 200 *	70 800	143 700 *	14.0
15.0	79.3	68.8	76 900	3 800	97 800	31 400	116 300 *	62 500	132 700 *	15.0
16.0	78.4	68.6	68 400		87 600	26 500	107 500 *	55 400	122 900 *	16.0
18.0	76.6	68.1	55 100		71 600	18 400	92 900 *	43 700	106 600 *	18.0
20.0	74.9	67.6	45 000		59 500	12 100	80 100	34 600	93 500 *	20.0
22.0	73.1	66.9	37 000		50 000	7 000	68 300	27 300	82 700 *	22.0
24.0	71.3	66.3	30 600		42 300	2 800	58 800	21 300	73 600 *	24.0
26.0	69.5	65.5	25 300		36 000		51 000	16 200	65 900 *	26.0
28.0	67.6	64.7	20 800		30 600		44 500	12 000	59 300 *	28.0
30.0	65.7	63.8	17 100		26 200		38 900	8 300	53 300	30.0
32.0	63.8	62.8	13 800		22 300		34 200	5 200	47 500	32.0
34.0	61.9	61.8	11 000		18 900		30 000	2 400	42 500	34.0
36.0	59.9	60.6	8 500		15 900		26 400		38 100	36.0
38.0	57.9	59.4	6 000 *		13 300		23 100		34 200	38.0
40.0	55.9	58.1			11 000		20 200		30 700	40.0
42.0	53.8	56.6			8 700 *		17 600		27 600	42.0
44.0	51.6	55.0			6 300 *		15 000 *		24 700	44.0
46.0	49.4	53.3					12 500 *		21 800 *	46.0
48.0	47.0	51.5					10 200 *		18 900 *	48.0
50.0	44.6	49.5					8 100 *		16 100 *	50.0
52.0	42.1	47.3					6 200 *		13 500 *	52.0
54.0	39.4	45.0							11 100 *	54.0
56.0	36.6	42.3							8 900 *	56.0



# Liftcrane Boom Capacities With Luffing Jib Attached

Meets  
ANSI B30.5  
Requirements

# MAX-ER 225 On 2250 or M-250

Boom No. 49A-44 With Heavy Lift Top  
Luffing Jib No. 133 or No. 133A  
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 Hanging Counterweight  
360 Degree Rating

**36.6m (120 Ft.) Luffing Jib**  
**168 Degree Boom to Luffing Jib Angle**

Boom Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	24 950 kg Hanging Counterweight		61 230 kg Hanging Counterweight		102 060 kg Hanging Counterweight		Boom 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	
<b>73.2m (240 Ft.) BOOM</b>									
11.6	82.9	75.5	19 300	138 100 *	56 800	153 000 *	99 200	153 000 *	11.6
12.0	82.6	75.5	16 900	132 700 *	53 000	149 500 *	93 600	153 000 *	12.0
13.0	81.8	75.3	12 000	120 800 *	44 800	137 400 *	81 700	152 300 *	13.0
14.0	81.0	75.2	7 800	110 000	37 900	126 100 *	71 900	143 700 *	14.0
15.0	80.2	75.0	4 300	98 000	32 100	116 200 *	63 400	132 600 *	15.0
16.0	79.4	74.8		87 800	27 100	107 400 *	56 200	122 800 *	16.0
18.0	77.8	74.4		71 800	18 900	92 800 *	44 400	106 500 *	18.0
20.0	76.2	73.9		59 700	12 600	80 200	35 200	93 400 *	20.0
22.0	74.5	73.3		50 100	7 400	68 400	27 800	82 600 *	22.0
24.0	72.9	72.7		42 400	3 200	58 900	21 700	73 600 *	24.0
26.0	71.3	72.0		36 100		51 100	16 700	65 800 *	26.0
28.0	69.6	71.3		30 800		44 600	12 400	59 200 *	28.0
30.0	67.9	70.5		26 200		39 000	8 700	53 300	30.0
32.0	66.2	69.6		22 400		34 300	5 400	47 600	32.0
34.0	64.4	68.7		19 000		30 100	2 600	42 600	34.0
36.0	62.7	67.6		16 000		26 400		38 200	36.0
38.0	60.9	66.5		13 400		23 200		34 200	38.0
40.0	59.1	65.3		11 100		20 300		30 800	40.0
42.0	57.2	64.1		8 800		17 800		27 600	42.0
44.0	55.3	62.7		6 500 *		15 200		24 800	44.0
46.0	53.4	61.2				12 700 *		22 000 *	46.0
48.0	51.4	59.6				10 400 *		19 300 *	48.0
50.0	49.3	57.9				8 300 *		16 800 *	50.0
52.0	47.2	56.1				6 400 *		14 500 *	52.0
54.0	45.0	54.1						12 400 *	54.0
56.0	42.7	52.0						10 200 *	56.0
58.0	40.3	49.7						8 100 *	58.0
60.0	37.8	47.2						6 100 *	60.0



# Liftcrane Boom Capacities With Luffing Jib Attached

Meets  
ANSI B30.5  
Requirements

## MAX-ER 225 On 2250 or M-250

Boom No. 49A-44 With Heavy Lift Top  
Luffing Jib No. 133 or No. 133A  
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 Hanging Counterweight  
360 Degree Rating

### 36.6m (120 Ft.) Luffing Jib 168 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	61 230 kg Hanging Counterweight		102 060 kg Hanging Counterweight		Boom 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	
<b>79.2m (260 Ft.) BOOM</b>							
12.2	83.0	81.6	51 900	125 900 *	92 000	125 900 *	12.2
13.0	82.4	81.5	45 400	123 600 *	82 600	123 600 *	13.0
14.0	81.7	81.3	38 400	120 800 *	72 600	120 800 *	14.0
15.0	80.9	81.2	32 500	116 300 *	64 100	118 100 *	15.0
16.0	80.2	81.0	27 500	107 200 *	56 700	115 400 *	16.0
18.0	78.7	80.6	19 200	92 500 *	44 800	106 300 *	18.0
20.0	77.3	80.1	12 800	80 300	35 500	93 200 *	20.0
22.0	75.8	79.6	7 600	68 300	28 100	82 300 *	22.0
24.0	74.3	79.1	3 300	58 900	22 000	73 300 *	24.0
26.0	72.7	78.5		51 100	16 800	65 600 *	26.0
28.0	71.2	77.8		44 500	12 500	59 000 *	28.0
30.0	69.7	77.1		39 000	8 800	53 200	30.0
32.0	68.1	76.3		34 200	5 500	47 500	32.0
34.0	66.5	75.4		30 000	2 700	42 500	34.0
36.0	65.0	74.5		26 400		38 100	36.0
38.0	63.3	73.5		23 100		34 200	38.0
40.0	61.7	72.4		20 200		30 700	40.0
42.0	60.0	71.3		17 700		27 600	42.0
44.0	58.3	70.0		15 200		24 700	44.0
46.0	56.6	68.7		12 700 *		22 100 *	46.0
48.0	54.8	67.3		10 300 *		19 300 *	48.0
50.0	53.0	65.8		8 200 *		16 800 *	50.0
52.0	51.2	64.2		6 300 *		14 500 *	52.0
54.0	49.3	62.5				12 400 *	54.0
56.0	47.3	60.7				10 400 *	56.0
58.0	45.3	58.8				8 600 *	58.0
60.0	43.2	56.7				6 900 *	60.0
62.0	41.0	54.4				5 200 *	62.0



# Liftcrane Boom Capacities With Luffing Jib Attached

Meets  
 ANSI B30.5  
 Requirements

## MAX-ER 225 On 2250 or M-250

Boom No. 49A-44 With Heavy Lift Top  
 Luffing Jib No. 133 or No. 133A  
 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 Hanging Counterweight  
 360 Degree Rating

### 36.6m (120 Ft.) Luffing Jib 168 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	61 230 kg Hanging Counterweight		102 060 kg Hanging Counterweight		Boom 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	
<b>85.3m (280 Ft.) BOOM</b>							
13.4	82.7	87.6	43 100	107 700 *	79 200	107 700 *	13.4
14.0	82.3	87.5	39 100	106 300 *	73 500	106 300 *	14.0
15.0	81.6	87.3	33 100	103 800 *	64 900	103 800 *	15.0
16.0	80.9	87.2	28 000	101 500 *	57 500	101 500 *	16.0
18.0	79.5	86.8	19 700	92 700 *	45 400	96 700 *	18.0
20.0	78.2	86.4	13 100	80 400	36 000	91 900 *	20.0
22.0	76.8	85.9	7 900	68 400	28 400	82 400 *	22.0
24.0	75.4	85.4	3 600	58 900	22 300	73 100 *	24.0
26.0	74.0	84.8		51 100	17 100	65 400 *	26.0
28.0	72.6	84.2		44 500	12 700	58 800 *	28.0
30.0	71.2	83.5		39 000	9 000	53 100 *	30.0
32.0	69.8	82.8		34 200	5 700	47 500	32.0
34.0	68.3	82.0		30 000	2 800	42 500	34.0
36.0	66.9	81.2		26 300		38 100	36.0
38.0	65.4	80.3		23 100		34 200	38.0
40.0	63.9	79.3		20 200		30 700	40.0
42.0	62.4	78.3		17 600		27 500	42.0
44.0	60.8	77.1		15 200		24 700	44.0
46.0	59.3	76.0		12 700 *		22 100	46.0
48.0	57.7	74.7		10 400 *		19 400 *	48.0
50.0	56.1	73.4		8 300 *		16 900 *	50.0
52.0	54.4	72.0		6 300 *		14 600 *	52.0
54.0	52.8	70.5				12 400 *	54.0
56.0	51.0	68.9				10 400 *	56.0
58.0	49.3	67.1				8 600 *	58.0
60.0	47.5	65.3				6 900 *	60.0
62.0	45.6	63.4				5 300 *	62.0



# Liftcrane Boom Capacities With Luffing Jib Attached

Meets  
ANSI B30.5  
Requirements

## MAX-ER 225 On 2250 or M-250

Boom No. 49A-44 With Heavy Lift Top  
Luffing Jib No. 133 or No. 133A  
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 Hanging Counterweight  
360 Degree Rating

### 36.6m (120 Ft.) Luffing Jib 168 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	102 060 kg Hanging Counterweight	
			Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms
<b>91.4m (300 Ft.) BOOM</b>				
16.8	81.0	93.2	52 800	75 500 *
18.0	80.3	93.0	45 800	73 300 *
20.0	79.0	92.6	36 200	69 700 *
22.0	77.7	92.2	28 600	66 200 *
24.0	76.4	91.7	22 300	62 700 *
26.0	75.1	91.2	17 100	59 400 *
28.0	73.8	90.6	12 700	56 100 *
30.0	72.5	90.0	8 900	52 500 *
32.0	71.2	89.3	5 600	47 300
34.0	69.8	88.6	2 700	42 300
36.0	68.5	87.8		37 800
38.0	67.1	87.0		33 900
40.0	65.8	86.1		30 400
42.0	64.4	85.1		27 300
44.0	63.0	84.1		24 400
46.0	61.5	83.0		21 900
48.0	60.1	81.9		19 200 *
50.0	58.6	80.7		16 700 *
52.0	57.1	79.4		14 300 *
54.0	55.6	78.0		12 200 *
56.0	54.1	76.6		10 200 *
58.0	52.5	75.1		8 400 *
60.0	50.9	73.5		6 700 *
62.0	49.3	71.7		5 100 *



# Liftcrane Boom Capacities With Luffing Jib Attached

Meets  
ANSI B30.5  
Requirements

# MAX-ER 225 On 2250 or M-250

Boom No. 49A-44 With Heavy Lift Top  
Luffing Jib No. 133 or No. 133A  
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 Hanging Counterweight  
360 Degree Rating

## 39.6m (130 Ft.) Luffing Jib 168 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	0 kg Hanging Counterweight	24 950 kg Hanging Counterweight		61 230 kg Hanging Counterweight		102 060 kg Hanging Counterweight		Boom 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	
<b>42.7m (140 Ft.) BOOM</b>										
7.9	82.7	45.3	191 000 *	45 300	210 300 *	102 500	217 700 *			7.9
8.0	82.6	45.3	189 200 *	44 400	208 300 *	101 000	217 700 *			8.0
8.5	82.0	45.2	177 300 *	38 400	195 300 *	90 800	217 700 *			8.5
9.0	81.3	45.1	166 500 *	33 200	183 600 *	82 000	207 100 *	137 300	217 700 *	9.0
10.0	79.9	44.9	148 200 *	24 700	163 700 *	67 700	185 100 *	116 200	210 600 *	10.0
11.0	78.5	44.7	129 900	18 000	147 200 *	56 400	166 700 *	99 700	188 800 *	11.0
12.0	77.2	44.5	111 300	12 600	133 300 *	47 300	151 300 *	86 400	171 600 *	12.0
13.0	75.8	44.2	96 700	8 100	121 100	39 800	138 100 *	75 500	156 900 *	13.0
14.0	74.4	43.9	84 800	4 400	107 700	33 500	126 700 *	66 300	144 200 *	14.0
15.0	73.0	43.6	75 000	1 200	95 900	28 100	116 800 *	58 500	133 200 *	15.0
16.0	71.5	43.2	66 700		85 900	23 500	108 000 *	51 700	123 400 *	16.0
18.0	68.7	42.5	53 600		70 200	15 900	93 100	40 700	107 100 *	18.0
20.0	65.7	41.6	43 700		58 300	10 000	78 800	32 100	94 000 *	20.0
22.0	62.7	40.6	35 900		48 900	5 200	67 200	25 100	83 100 *	22.0
24.0	59.6	39.4	29 600		41 400	1 300	57 900	19 400	74 100 *	24.0
26.0	56.4	38.1	24 500		35 200		50 200	14 700	65 600 *	26.0
28.0	53.1	36.6	20 200		29 900		43 800	10 600	57 100 *	28.0
30.0	49.6	35.0	16 500		25 500		38 300	7 100	49 700 *	30.0
32.0	45.9	33.1	13 300		21 700		33 600	4 000	43 300 *	32.0
34.0	41.9	30.9	10 500		18 400		29 500	1 400	37 600 *	34.0
36.0	37.6	28.4	8 000		15 500		25 900		32 500 *	36.0





# Liftcrane Boom Capacities With Luffing Jib Attached

Meets  
ANSI B30.5  
Requirements

## MAX-ER 225 On 2250 or M-250

Boom No. 49A-44 With Heavy Lift Top  
Luffing Jib No. 133 or No. 133A  
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 Hanging Counterweight  
360 Degree Rating

**39.6m (130 Ft.) Luffing Jib**  
**168 Degree Boom to Luffing Jib Angle**

Boom Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	0 kg Hanging Counterweight	24 950 kg Hanging Counterweight		61 230 kg Hanging Counterweight		102 060 kg Hanging Counterweight		Boom 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	
<b>48.8m (160 Ft.) BOOM</b>										
8.5	82.9	51.3	176 300 *	39 200	194 300 *	91 800	217 700 *	151 000	217 700 *	8.5
9.0	82.4	51.3	166 600 *	34 400	183 700 *	83 700	207 000 *	139 300	217 700 *	9.0
10.0	81.2	51.1	148 100 *	25 700	163 600 *	69 000	185 000 *	117 900	210 500 *	10.0
11.0	80.0	50.9	130 500	18 900	147 100 *	57 600	166 700 *	101 200	188 700 *	11.0
12.0	78.8	50.7	111 900	13 400	133 300 *	48 400	151 300 *	87 800	171 500 *	12.0
13.0	77.6	50.5	97 200	9 000	121 300	40 800	138 100 *	76 700	156 900 *	13.0
14.0	76.4	50.2	85 400	5 200	108 300	34 500	126 800 *	67 400	144 300 *	14.0
15.0	75.2	50.0	75 500	2 000	96 400	29 000	116 900 *	59 500	133 300 *	15.0
16.0	73.9	49.7	67 200		86 500	24 300	108 100 *	52 700	123 500 *	16.0
18.0	71.5	49.0	54 100		70 700	16 700	93 500	41 600	107 200 *	18.0
20.0	68.9	48.2	44 200		58 800	10 700	79 200	32 900	94 100 *	20.0
22.0	66.4	47.4	36 400		49 400	5 900	67 600	25 900	83 300 *	22.0
24.0	63.8	46.4	30 100		41 800	2 000	58 300	20 200	74 200 *	24.0
26.0	61.1	45.3	24 900		35 600		50 700	15 300	66 500 *	26.0
28.0	58.3	44.1	20 600		30 400		44 200	11 300	59 700	28.0
30.0	55.5	42.7	16 900		26 000		38 700	7 700	53 100	30.0
32.0	52.6	41.2	13 700		22 100		34 000	4 700	47 000	32.0
34.0	49.5	39.5	10 900		18 800		29 900	2 000	41 100 *	34.0
36.0	46.3	37.7	8 500		15 900		26 300		36 000 *	36.0
38.0	42.9	35.6	6 000 *		13 400		23 100		31 300 *	38.0
40.0	39.2	33.2			11 000		20 300		27 200 *	40.0
42.0	35.2	30.4			8 700 *		17 700		23 300 *	42.0



# Liftcrane Boom Capacities With Luffing Jib Attached

Meets  
ANSI B30.5  
Requirements

# MAX-ER 225 On 2250 or M-250

Boom No. 49A-44 With Heavy Lift Top  
Luffing Jib No. 133 or No. 133A  
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 Hanging Counterweight  
360 Degree Rating

**39.6m (130 Ft.) Luffing Jib**  
**168 Degree Boom to Luffing Jib Angle**

Boom Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	0 kg Hanging Counterweight	24 950 kg Hanging Counterweight		61 230 kg Hanging Counterweight		102 060 kg Hanging Counterweight		Boom 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	
<b>54.9m (180 Ft.) BOOM</b>										
9.8	82.4	57.3	151 100 *	27 800	167 000 *	72 800	188 900 *	123 600	213 500 *	9.8
10.0	82.2	57.3	147 100 *	25 900	162 600 *	69 700	184 000 *	119 000	208 100 *	10.0
11.0	81.1	57.1	130 500	18 800	145 900 *	57 800	165 500 *	101 800	187 500 *	11.0
12.0	80.1	56.9	111 800	13 200	132 000 *	48 400	150 100 *	88 100	170 300 *	12.0
13.0	79.0	56.7	97 000	8 600	120 200 *	40 700	136 900 *	76 800	155 700 *	13.0
14.0	77.9	56.5	85 000	4 700	107 900	34 100	125 600 *	67 400	143 100 *	14.0
15.0	76.8	56.3	75 100	1 400	96 000	28 600	115 700 *	59 300	132 000 *	15.0
16.0	75.8	56.0	66 700		86 000	23 800	106 900 *	52 400	122 300 *	16.0
18.0	73.6	55.4	53 600		70 100	16 100	92 300 *	41 000	106 000 *	18.0
20.0	71.4	54.8	43 600		58 100	10 000	78 700	32 200	92 900 *	20.0
22.0	69.2	54.0	35 700		48 700	5 000	66 900	25 100	82 100 *	22.0
24.0	66.9	53.2	29 300		41 100	1 000	57 600	19 300	73 000 *	24.0
26.0	64.6	52.2	24 100		34 800		49 800	14 400	65 300 *	26.0
28.0	62.2	51.2	19 700		29 600		43 400	10 200	58 600	28.0
30.0	59.8	50.0	16 000		25 100		37 900	6 700	52 300	30.0
32.0	57.3	48.8	12 800		21 300		33 200	3 600	46 500	32.0
34.0	54.8	47.4	10 000		17 900		29 000		41 500	34.0
36.0	52.2	45.8	7 300 *		15 000		25 400		37 000	36.0
38.0	49.4	44.1	4 700 *		12 400		22 200		32 400 *	38.0
40.0	46.6	42.3			9 900 *		19 400		28 100 *	40.0
42.0	43.6	40.2			7 400 *		16 500 *		24 200 *	42.0
44.0	40.4	37.9			5 100 *		13 800 *		20 700 *	44.0
46.0	37.0	35.4					11 300 *		17 500 *	46.0



# Liftcrane Boom Capacities With Luffing Jib Attached

Meets  
ANSI B30.5  
Requirements

## MAX-ER 225 On 2250 or M-250

Boom No. 49A-44 With Heavy Lift Top  
Luffing Jib No. 133 or No. 133A  
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 Hanging Counterweight  
360 Degree Rating

**39.6m (130 Ft.) Luffing Jib**  
**168 Degree Boom to Luffing Jib Angle**

Boom Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	0 kg Hanging Counterweight	24 950 kg Hanging Counterweight		61 230 kg Hanging Counterweight		102 060 kg Hanging Counterweight		Boom 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	
<b>61.0m (200 Ft.) BOOM</b>										
10.4	82.6	63.4	141 100 *	24 400	156 000 *	66 600	176 800 *	114 200	200 000 *	10.4
11.0	82.0	63.3	131 400	20 000	145 900 *	59 300	165 500 *	103 600	187 500 *	11.0
12.0	81.1	63.1	112 400	14 300	132 000 *	49 700	150 100 *	89 700	170 300 *	12.0
13.0	80.1	62.9	97 600	9 500	120 200 *	41 800	136 900 *	78 300	155 700 *	13.0
14.0	79.1	62.8	85 600	5 600	108 500	35 200	125 600 *	68 700	143 100 *	14.0
15.0	78.2	62.5	75 700	2 100	96 500	29 600	115 700 *	60 500	132 000 *	15.0
16.0	77.2	62.3	67 200		86 500	24 700	106 900 *	53 400	122 300 *	16.0
18.0	75.3	61.8	54 000		70 600	16 800	92 300 *	42 000	106 000 *	18.0
20.0	73.3	61.2	43 900		58 500	10 600	79 000	33 000	92 900 *	20.0
22.0	71.3	60.5	36 000		49 000	5 600	67 300	25 800	82 100 *	22.0
24.0	69.3	59.8	29 600		41 400	1 600	57 900	19 900	73 100 *	24.0
26.0	67.3	58.9	24 400		35 100		50 200	14 900	65 300 *	26.0
28.0	65.2	58.0	20 000		29 800		43 700	10 700	58 700	28.0
30.0	63.1	57.0	16 300		25 400		38 100	7 100	52 600	30.0
32.0	61.0	55.9	13 100		21 500		33 400	4 000	46 700	32.0
34.0	58.8	54.7	10 300		18 200		29 200		41 700	34.0
36.0	56.5	53.4	7 600		15 200		25 600		37 400	36.0
38.0	54.2	52.0	5 000 *		12 600		22 400		33 500	38.0
40.0	51.9	50.4			10 200 *		19 500		30 000	40.0
42.0	49.4	48.7			7 700 *		16 800 *		26 400 *	42.0
44.0	46.8	46.9			5 400 *		14 000 *		22 800 *	44.0
46.0	44.2	44.9					11 500 *		19 500 *	46.0
48.0	41.3	42.6					9 300 *		16 500 *	48.0
50.0	38.4	40.2					7 200 *		13 700 *	50.0



# Liftcrane Boom Capacities With Luffing Jib Attached

Meets  
ANSI B30.5  
Requirements

# MAX-ER 225 On 2250 or M-250

Boom No. 49A-44 With Heavy Lift Top  
Luffing Jib No. 133 or No. 133A  
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 Hanging Counterweight  
360 Degree Rating

**39.6m (130 Ft.) Luffing Jib**  
**168 Degree Boom to Luffing Jib Angle**

Boom Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	0 kg Hanging Counterweight	24 950 kg Hanging Counterweight		61 230 kg Hanging Counterweight		102 060 kg Hanging Counterweight		Boom 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	
<b>67.1m (220 Ft.) BOOM</b>										
11.0	82.8	69.5	132 000 *	21 100	146 200 *	60 900	162 800 *	105 700	162 800 *	11.0
12.0	81.9	69.3	113 000	15 100	132 000 *	50 800	150 300 *	91 200	162 800 *	12.0
13.0	81.0	69.1	98 100	10 300	120 100 *	42 800	136 800 *	79 500	156 100 *	13.0
14.0	80.1	69.0	86 000	6 200	108 800	36 100	125 500 *	69 800	143 000 *	14.0
15.0	79.3	68.8	76 000	2 800	96 900	30 400	115 600 *	61 500	132 000 *	15.0
16.0	78.4	68.6	67 600		86 800	25 500	106 800 *	54 400	122 200 *	16.0
18.0	76.6	68.1	54 300		70 800	17 400	92 300 *	42 800	106 000 *	18.0
20.0	74.9	67.6	44 200		58 800	11 200	79 300	33 700	92 900 *	20.0
22.0	73.1	66.9	36 300		49 300	6 100	67 500	26 400	82 100 *	22.0
24.0	71.3	66.3	29 900		41 600	2 000	58 100	20 400	73 000 *	24.0
26.0	69.5	65.5	24 600		35 300		50 300	15 400	65 300 *	26.0
28.0	67.6	64.7	20 200		30 000		43 800	11 200	58 700 *	28.0
30.0	65.7	63.8	16 500		25 600		38 300	7 500	52 700	30.0
32.0	63.8	62.8	13 200		21 700		33 600	4 400	46 900	32.0
34.0	61.9	61.8	10 400		18 300		29 400	1 600	41 900	34.0
36.0	59.9	60.6	7 900		15 400		25 800		37 500	36.0
38.0	57.9	59.4	5 300 *		12 800		22 600		33 600	38.0
40.0	55.9	58.1			10 400		19 700		30 100	40.0
42.0	53.8	56.6			7 900 *		17 000		27 000	42.0
44.0	51.6	55.0			5 600 *		14 300 *		24 100	44.0
46.0	49.4	53.3					11 800 *		21 100 *	46.0
48.0	47.0	51.5					9 500 *		18 200 *	48.0
50.0	44.6	49.5					7 400 *		15 400 *	50.0
52.0	42.1	47.3							12 800 *	52.0
54.0	39.4	45.0							10 400 *	54.0
56.0	36.6	42.3							8 200 *	56.0



# Liftcrane Boom Capacities With Luffing Jib Attached

Meets  
ANSI B30.5  
Requirements

## MAX-ER 225 On 2250 or M-250

Boom No. 49A-44 With Heavy Lift Top  
Luffing Jib No. 133 or No. 133A  
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 Hanging Counterweight  
360 Degree Rating

### 39.6m (130 Ft.) Luffing Jib 168 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	24 950 kg Hanging Counterweight		61 230 kg Hanging Counterweight		102 060 kg Hanging Counterweight		Boom 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	
<b>73.2m (240 Ft.) BOOM</b>									
11.6	82.9	75.5	18 100	137 300 *	55 700	152 000 *	98 000	152 000 *	11.6
12.0	82.6	75.5	15 900	131 900 *	51 900	148 700 *	92 500	152 000 *	12.0
13.0	81.8	75.3	10 900	120 000 *	43 700	136 800 *	80 700	151 400 *	13.0
14.0	81.0	75.2	6 800	109 100	36 900	125 400 *	70 900	143 000 *	14.0
15.0	80.2	75.0	3 300	97 200	31 100	115 500 *	62 500	131 900 *	15.0
16.0	79.4	74.8		87 100	26 200	106 800 *	55 200	122 200 *	16.0
18.0	77.8	74.4		71 100	18 000	92 200 *	43 500	105 900 *	18.0
20.0	76.2	73.9		59 000	11 700	79 600	34 300	92 800 *	20.0
22.0	74.5	73.3		49 400	6 600	67 700	27 000	82 000 *	22.0
24.0	72.9	72.7		41 700	2 400	58 300	20 900	73 000 *	24.0
26.0	71.3	72.0		35 500		50 500	15 900	65 300 *	26.0
28.0	69.6	71.3		30 100		44 000	11 600	58 700 *	28.0
30.0	67.9	70.5		25 700		38 400	7 900	52 700	30.0
32.0	66.2	69.6		21 800		33 700	4 700	47 000	32.0
34.0	64.4	68.7		18 400		29 500	1 900	42 000	34.0
36.0	62.7	67.6		15 500		25 900		37 600	36.0
38.0	60.9	66.5		12 900		22 700		33 700	38.0
40.0	59.1	65.3		10 500		19 800		30 200	40.0
42.0	57.2	64.1		8 200 *		17 200		27 100	42.0
44.0	55.3	62.7		5 800 *		14 600 *		24 300	44.0
46.0	53.4	61.2				12 000 *		21 400 *	46.0
48.0	51.4	59.6				9 700 *		18 600 *	48.0
50.0	49.3	57.9				7 600 *		16 200 *	50.0
52.0	47.2	56.1				5 700 *		13 900 *	52.0
54.0	45.0	54.1						11 700 *	54.0
56.0	42.7	52.0						9 500 *	56.0
58.0	40.3	49.7						7 400 *	58.0
60.0	37.8	47.2						5 400 *	60.0



# Liftcrane Boom Capacities With Luffing Jib Attached

Meets  
 ANSI B30.5  
 Requirements

## MAX-ER 225 On 2250 or M-250

Boom No. 49A-44 With Heavy Lift Top  
 Luffing Jib No. 133 or No. 133A  
 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 Hanging Counterweight  
 360 Degree Rating

### 39.6m (130 Ft.) Luffing Jib 168 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	61 230 kg Hanging Counterweight		102 060 kg Hanging Counterweight		Boom 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	
<b>79.2m (260 Ft.) BOOM</b>							
12.2	83.0	81.6	50 800	125 200 *	91 000	125 200 *	12.2
13.0	82.4	81.5	44 300	123 000 *	81 500	123 000 *	13.0
14.0	81.7	81.3	37 500	120 300 *	71 600	120 300 *	14.0
15.0	80.9	81.2	31 600	115 600 *	63 100	117 500 *	15.0
16.0	80.2	81.0	26 600	106 600 *	55 800	114 900 *	16.0
18.0	78.7	80.6	18 300	91 900 *	43 900	105 800 *	18.0
20.0	77.3	80.1	11 900	79 600	34 700	92 600 *	20.0
22.0	75.8	79.6	6 800	67 700	27 300	81 800 *	22.0
24.0	74.3	79.1	2 600	58 200	21 200	72 800 *	24.0
26.0	72.7	78.5		50 500	16 100	65 100 *	26.0
28.0	71.2	77.8		43 900	11 800	58 400 *	28.0
30.0	69.7	77.1		38 400	8 100	52 600	30.0
32.0	68.1	76.3		33 600	4 800	47 000	32.0
34.0	66.5	75.4		29 500	2 000	42 000	34.0
36.0	65.0	74.5		25 800		37 500	36.0
38.0	63.3	73.5		22 600		33 700	38.0
40.0	61.7	72.4		19 800		30 200	40.0
42.0	60.0	71.3		17 100		27 100	42.0
44.0	58.3	70.0		14 600 *		24 200	44.0
46.0	56.6	68.7		12 000 *		21 400 *	46.0
48.0	54.8	67.3		9 700 *		18 700 *	48.0
50.0	53.0	65.8		7 600 *		16 200 *	50.0
52.0	51.2	64.2				13 900 *	52.0
54.0	49.3	62.5				11 800 *	54.0
56.0	47.3	60.7				9 800 *	56.0
58.0	45.3	58.8				8 000 *	58.0
60.0	43.2	56.7				6 300 *	60.0



# Liftcrane Boom Capacities With Luffing Jib Attached

Meets  
ANSI B30.5  
Requirements

## MAX-ER 225 On 2250 or M-250

Boom No. 49A-44 With Heavy Lift Top  
Luffing Jib No. 133 or No. 133A  
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 Hanging Counterweight  
360 Degree Rating

### 39.6m (130 Ft.) Luffing Jib 168 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	61 230 kg Hanging Counterweight		102 060 kg Hanging Counterweight		Boom 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	
<b>85.3m (280 Ft.) BOOM</b>							
13.4	82.7	87.6	42 100	107 000 *	78 200	107 000 *	13.4
14.0	82.3	87.5	38 100	105 600 *	72 500	105 600 *	14.0
15.0	81.6	87.3	32 200	103 200 *	63 900	103 200 *	15.0
16.0	80.9	87.2	27 100	100 800 *	56 600	100 800 *	16.0
18.0	79.5	86.8	18 800	92 100 *	44 500	96 100 *	18.0
20.0	78.2	86.4	12 300	79 700	35 200	91 200 *	20.0
22.0	76.8	85.9	7 100	67 800	27 700	81 900 *	22.0
24.0	75.4	85.4	2 800	58 300	21 500	72 600 *	24.0
26.0	74.0	84.8		50 500	16 400	64 900 *	26.0
28.0	72.6	84.2		44 000	12 000	58 300 *	28.0
30.0	71.2	83.5		38 400	8 300	52 600 *	30.0
32.0	69.8	82.8		33 600	5 000	47 000	32.0
34.0	68.3	82.0		29 500	2 200	42 000	34.0
36.0	66.9	81.2		25 800		37 500	36.0
38.0	65.4	80.3		22 600		33 700	38.0
40.0	63.9	79.3		19 700		30 200	40.0
42.0	62.4	78.3		17 100		27 000	42.0
44.0	60.8	77.1		14 600		24 200	44.0
46.0	59.3	76.0		12 100 *		21 500 *	46.0
48.0	57.7	74.7		9 800 *		18 800 *	48.0
50.0	56.1	73.4		7 600 *		16 300 *	50.0
52.0	54.4	72.0		5 700 *		13 900 *	52.0
54.0	52.8	70.5				11 800 *	54.0
56.0	51.0	68.9				9 900 *	56.0
58.0	49.3	67.1				8 000 *	58.0
60.0	47.5	65.3				6 300 *	60.0



# Liftcrane Boom Capacities With Luffing Jib Attached

Meets  
 ANSI B30.5  
 Requirements

**MAX-ER 225**  
**On 2250 or**  
**M-250**

Boom No. 49A-44 With Heavy Lift Top  
 Luffing Jib No. 133 or No. 133A  
 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 Hanging Counterweight  
 360 Degree Rating

**39.6m (130 Ft.) Luffing Jib**  
**168 Degree Boom to Luffing Jib Angle**

Boom Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	102 060 kg Hanging Counterweight	
			Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms
<b>91.4m (300 Ft.) BOOM</b>				
16.8	81.0	93.2	52 000	74 900 *
18.0	80.3	93.0	45 000	72 700 *
20.0	79.0	92.6	35 400	69 100 *
22.0	77.7	92.2	27 800	65 600 *
24.0	76.4	91.7	21 600	62 100 *
26.0	75.1	91.2	16 400	58 800 *
28.0	73.8	90.6	12 000	55 500 *
30.0	72.5	90.0	8 200	52 000 *
32.0	71.2	89.3	4 900	46 800
34.0	69.8	88.6	2 100	41 700
36.0	68.5	87.8		37 300
38.0	67.1	87.0		33 400
40.0	65.8	86.1		29 900
42.0	64.4	85.1		26 800
44.0	63.0	84.1		24 000
46.0	61.5	83.0		21 300 *
48.0	60.1	81.9		18 600 *
50.0	58.6	80.7		16 100 *
52.0	57.1	79.4		13 800 *
54.0	55.6	78.0		11 600 *
56.0	54.1	76.6		9 700 *
58.0	52.5	75.1		7 800 *
60.0	50.9	73.5		6 100 *





# Liftcrane Boom Capacities With Luffing Jib Attached

Meets  
ANSI B30.5  
Requirements

## MAX-ER 225 On 2250 or M-250

Boom No. 49A-44 With Heavy Lift Top  
Luffing Jib No. 133 or No. 133A  
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 Hanging Counterweight  
360 Degree Rating

### 42.7m (140 Ft.) Luffing Jib 168 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	0 kg Hanging Counterweight	24 950 kg Hanging Counterweight		61 230 kg Hanging Counterweight		102 060 kg Hanging Counterweight		Boom 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	
<b>42.7m (140 Ft.) BOOM</b>										
7.9	82.7	45.3	189 700 *	43 200	209 000 *	100 400	217 700 *			7.9
8.0	82.6	45.3	187 900 *	42 300	207 000 *	98 900	217 700 *			8.0
8.5	82.0	45.2	176 000 *	36 300	194 000 *	88 800	217 700 *			8.5
9.0	81.3	45.1	165 200 *	31 200	182 300 *	80 000	206 100 *	135 300	217 700 *	9.0
10.0	79.9	44.9	146 900 *	22 700	162 400 *	65 700	183 800 *	114 200	209 200 *	10.0
11.0	78.5	44.7	128 200	16 100	146 000 *	54 600	165 500 *	97 900	187 500 *	11.0
12.0	77.2	44.5	109 700	10 800	132 000 *	45 500	150 100 *	84 600	170 300 *	12.0
13.0	75.8	44.2	95 100	6 300	119 900	38 000	136 900 *	73 700	155 700 *	13.0
14.0	74.4	43.9	83 300	2 600	106 200	31 700	125 500 *	64 500	143 000 *	14.0
15.0	73.0	43.6	73 500		94 400	26 400	115 600 *	56 700	132 000 *	15.0
16.0	71.5	43.2	65 300		84 500	21 800	106 900 *	50 000	122 200 *	16.0
18.0	68.7	42.5	52 300		68 800	14 300	91 800	39 000	106 000 *	18.0
20.0	65.7	41.6	42 400		57 000	8 400	77 500	30 400	92 800 *	20.0
22.0	62.7	40.6	34 600		47 600	3 600	65 900	23 500	82 000 *	22.0
24.0	59.6	39.4	28 400		40 100		56 600	17 800	72 900 *	24.0
26.0	56.4	38.1	23 200		33 900		49 000	13 100	64 000 *	26.0
28.0	53.1	36.6	18 900		28 700		42 600	9 000	55 500 *	28.0
30.0	49.6	35.0	15 300		24 400		37 100	5 600	48 200 *	30.0
32.0	45.9	33.1	12 100		20 600		32 400	2 500	41 800 *	32.0
34.0	41.9	30.9	9 300		17 300		28 300		36 100 *	34.0
36.0	37.6	28.4	6 500 *		14 400		24 800		31 000 *	36.0



# Liftcrane Boom Capacities With Luffing Jib Attached

Meets  
ANSI B30.5  
Requirements

## MAX-ER 225 On 2250 or M-250

Boom No. 49A-44 With Heavy Lift Top  
 Luffing Jib No. 133 or No. 133A  
 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 Hanging Counterweight  
 360 Degree Rating

**42.7m (140 Ft.) Luffing Jib**  
**168 Degree Boom to Luffing Jib Angle**

Boom Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	0 kg Hanging Counterweight	24 950 kg Hanging Counterweight		61 230 kg Hanging Counterweight		102 060 kg Hanging Counterweight		Boom 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	
<b>48.8m (160 Ft.) BOOM</b>										
8.5	82.9	51.3	175 000 *	37 200	193 000 *	89 800	217 700 *	149 100	217 700 *	8.5
9.0	82.4	51.3	165 300 *	32 500	182 400 *	81 800	206 000 *	137 400	217 700 *	9.0
10.0	81.2	51.1	146 900 *	23 900	162 400 *	67 200	183 800 *	116 000	209 200 *	10.0
11.0	80.0	50.9	128 900	17 200	146 000 *	55 800	165 500 *	99 500	187 500 *	11.0
12.0	78.8	50.7	110 300	11 700	132 100 *	46 700	150 100 *	86 100	170 300 *	12.0
13.0	77.6	50.5	95 800	7 200	120 000	39 100	137 000 *	75 000	155 700 *	13.0
14.0	76.4	50.2	83 900	3 500	106 800	32 800	125 600 *	65 800	143 100 *	14.0
15.0	75.2	50.0	74 100		95 000	27 400	115 700 *	57 900	132 100 *	15.0
16.0	73.9	49.7	65 900		85 000	22 700	107 000 *	51 100	122 400 *	16.0
18.0	71.5	49.0	52 800		69 400	15 100	92 200	40 000	106 100 *	18.0
20.0	68.9	48.2	42 900		57 500	9 200	78 000	31 400	93 000 *	20.0
22.0	66.4	47.4	35 100		48 100	4 400	66 400	24 400	82 200 *	22.0
24.0	63.8	46.4	28 900		40 600		57 100	18 700	73 200 *	24.0
26.0	61.1	45.3	23 700		34 400		49 500	13 900	65 500 *	26.0
28.0	58.3	44.1	19 400		29 200		43 000	9 800	58 700	28.0
30.0	55.5	42.7	15 800		24 800		37 600	6 300	51 900	30.0
32.0	52.6	41.2	12 600		21 000		32 900	3 300	45 500 *	32.0
34.0	49.5	39.5	9 800		17 700		28 800		39 700 *	34.0
36.0	46.3	37.7	7 200 *		14 800		25 300		34 600 *	36.0
38.0	42.9	35.6			12 300		22 100		29 900 *	38.0
40.0	39.2	33.2			9 800 *		19 200		25 800 *	40.0
42.0	35.2	30.4			7 300 *		16 400 *		21 900 *	42.0



# Liftcrane Boom Capacities With Luffing Jib Attached

Meets  
ANSI B30.5  
Requirements

## MAX-ER 225 On 2250 or M-250

Boom No. 49A-44 With Heavy Lift Top  
Luffing Jib No. 133 or No. 133A  
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 Hanging Counterweight  
360 Degree Rating

**42.7m (140 Ft.) Luffing Jib**  
**168 Degree Boom to Luffing Jib Angle**

Boom Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	0 kg Hanging Counterweight	24 950 kg Hanging Counterweight		61 230 kg Hanging Counterweight		102 060 kg Hanging Counterweight		Boom 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	
<b>54.9m (180 Ft.) BOOM</b>										
9.8	82.4	57.3	149 900 *	26 000	165 700 *	71 000	187 600 *	121 800	212 300 *	9.8
10.0	82.2	57.3	145 900 *	24 100	161 400 *	67 900	182 800 *	117 200	206 900 *	10.0
11.0	81.1	57.1	129 000	17 100	144 800 *	56 100	164 300 *	100 100	186 300 *	11.0
12.0	80.1	56.9	110 300	11 600	130 900 *	46 800	149 000 *	86 400	169 200 *	12.0
13.0	79.0	56.7	95 600	7 000	119 100	39 000	135 800 *	75 200	154 600 *	13.0
14.0	77.9	56.5	83 700	3 100	106 600	32 600	124 500 *	65 800	141 900 *	14.0
15.0	76.8	56.3	73 800		94 700	27 000	114 600 *	57 700	130 900 *	15.0
16.0	75.8	56.0	65 500		84 700	22 300	105 900 *	50 800	121 200 *	16.0
18.0	73.6	55.4	52 300		68 900	14 500	91 200 *	39 600	105 000 *	18.0
20.0	71.4	54.8	42 300		56 900	8 500	77 400	30 800	91 900 *	20.0
22.0	69.2	54.0	34 500		47 500	3 600	65 800	23 600	81 100 *	22.0
24.0	66.9	53.2	28 200		39 900		56 400	17 900	72 000 *	24.0
26.0	64.6	52.2	23 000		33 700		48 700	13 000	64 300 *	26.0
28.0	62.2	51.2	18 700		28 500		42 300	8 900	57 600	28.0
30.0	59.8	50.0	15 000		24 000		36 800	5 300	51 200	30.0
32.0	57.3	48.8	11 700		20 200		32 100	2 200	45 500	32.0
34.0	54.8	47.4	8 900		16 900		28 000		40 500	34.0
36.0	52.2	45.8	6 000 *		14 000		24 400		35 800	36.0
38.0	49.4	44.1			11 300		21 200		31 000 *	38.0
40.0	46.6	42.3			8 600 *		18 100 *		26 800 *	40.0
42.0	43.6	40.2			6 100 *		15 100 *		22 900 *	42.0
44.0	40.4	37.9					12 400 *		19 400 *	44.0
46.0	37.0	35.4					10 000 *		16 200 *	46.0



# Liftcrane Boom Capacities With Luffing Jib Attached

Meets  
ANSI B30.5  
Requirements

## MAX-ER 225 On 2250 or M-250

Boom No. 49A-44 With Heavy Lift Top  
 Luffing Jib No. 133 or No. 133A  
 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 Hanging Counterweight  
 360 Degree Rating

**42.7m (140 Ft.) Luffing Jib**  
**168 Degree Boom to Luffing Jib Angle**

Boom Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	0 kg Hanging Counterweight	24 950 kg Hanging Counterweight		61 230 kg Hanging Counterweight		102 060 kg Hanging Counterweight		Boom 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	
<b>61.0m (200 Ft.) BOOM</b>										
10.4	82.6	63.4	139 900 *	22 700	154 900 *	64 900	175 600 *	112 500	198 900 *	10.4
11.0	82.0	63.3	129 900	18 300	144 800 *	57 700	164 300 *	102 000	186 400 *	11.0
12.0	81.1	63.1	111 000	12 600	130 900 *	48 100	149 000 *	88 100	169 200 *	12.0
13.0	80.1	62.9	96 300	7 900	119 100 *	40 300	135 800 *	76 700	154 600 *	13.0
14.0	79.1	62.8	84 300	4 000	107 200	33 700	124 500 *	67 100	142 000 *	14.0
15.0	78.2	62.5	74 400		95 300	28 100	114 600 *	59 000	131 000 *	15.0
16.0	77.2	62.3	66 000		85 200	23 200	105 900 *	51 900	121 300 *	16.0
18.0	75.3	61.8	52 800		69 400	15 300	91 300 *	40 500	105 000 *	18.0
20.0	73.3	61.2	42 800		57 400	9 200	77 900	31 600	91 900 *	20.0
22.0	71.3	60.5	34 900		47 900	4 300	66 200	24 400	81 100 *	22.0
24.0	69.3	59.8	28 600		40 300		56 800	18 500	72 100 *	24.0
26.0	67.3	58.9	23 300		34 000		49 100	13 600	64 400 *	26.0
28.0	65.2	58.0	19 000		28 800		42 600	9 400	57 700	28.0
30.0	63.1	57.0	15 200		24 300		37 100	5 800	51 500	30.0
32.0	61.0	55.9	12 000		20 500		32 300	2 700	45 700	32.0
34.0	58.8	54.7	9 200		17 200		28 200		40 700	34.0
36.0	56.5	53.4	6 300 *		14 200		24 600		36 400	36.0
38.0	54.2	52.0			11 600		21 400		32 500	38.0
40.0	51.9	50.4			8 900 *		18 500 *		28 900	40.0
42.0	49.4	48.7			6 400 *		15 400 *		25 100 *	42.0
44.0	46.8	46.9					12 800 *		21 500 *	44.0
46.0	44.2	44.9					10 300 *		18 200 *	46.0
48.0	41.3	42.6					8 000 *		15 300 *	48.0
50.0	38.4	40.2					6 000 *		12 500 *	50.0



# Liftcrane Boom Capacities With Luffing Jib Attached

Meets  
ANSI B30.5  
Requirements

## MAX-ER 225 On 2250 or M-250

Boom No. 49A-44 With Heavy Lift Top  
Luffing Jib No. 133 or No. 133A  
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 Hanging Counterweight  
360 Degree Rating

**42.7m (140 Ft.) Luffing Jib**  
**168 Degree Boom to Luffing Jib Angle**

Boom Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	0 kg Hanging Counterweight	24 950 kg Hanging Counterweight		61 230 kg Hanging Counterweight		102 060 kg Hanging Counterweight		Boom 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	
<b>67.1m (220 Ft.) BOOM</b>										
11.0	82.8	69.5	130 900 *	19 500	145 100 *	59 200	161 500 *	104 100	161 500 *	11.0
12.0	81.9	69.3	111 600	13 500	130 900 *	49 300	149 200 *	89 600	161 500 *	12.0
13.0	81.0	69.1	96 700	8 700	119 100 *	41 300	135 700 *	78 000	155 000 *	13.0
14.0	80.1	69.0	84 700	4 700	107 600	34 600	124 500 *	68 300	141 900 *	14.0
15.0	79.3	68.8	74 800	1 300	95 700	28 900	114 600 *	60 100	130 900 *	15.0
16.0	78.4	68.6	66 400		85 600	24 100	105 900 *	53 000	121 200 *	16.0
18.0	76.6	68.1	53 200		69 700	16 100	91 300 *	41 400	105 000 *	18.0
20.0	74.9	67.6	43 100		57 700	9 900	78 200	32 300	91 900 *	20.0
22.0	73.1	66.9	35 200		48 200	4 800	66 500	25 100	81 100 *	22.0
24.0	71.3	66.3	28 800		40 600	700	57 100	19 100	72 100 *	24.0
26.0	69.5	65.5	23 600		34 300		49 300	14 200	64 400 *	26.0
28.0	67.6	64.7	19 200		29 000		42 800	9 900	57 800 *	28.0
30.0	65.7	63.8	15 500		24 600		37 300	6 300	51 700	30.0
32.0	63.8	62.8	12 200		20 700		32 600	3 100	46 000	32.0
34.0	61.9	61.8	9 400		17 300		28 500		40 900	34.0
36.0	59.9	60.6	6 700 *		14 400		24 800		36 500	36.0
38.0	57.9	59.4			11 800		21 600		32 700	38.0
40.0	55.9	58.1			9 300 *		18 700		29 200	40.0
42.0	53.8	56.6			6 700 *		15 800 *		26 000	42.0
44.0	51.6	55.0					13 100 *		22 800 *	44.0
46.0	49.4	53.3					10 600 *		19 900 *	46.0
48.0	47.0	51.5					8 300 *		17 000 *	48.0
50.0	44.6	49.5					6 200 *		14 200 *	50.0
52.0	42.1	47.3							11 600 *	52.0
54.0	39.4	45.0							9 200 *	54.0
56.0	36.6	42.3							7 000 *	56.0



# Liftcrane Boom Capacities With Luffing Jib Attached

Meets  
ANSI B30.5  
Requirements

# MAX-ER 225 On 2250 or M-250

Boom No. 49A-44 With Heavy Lift Top  
Luffing Jib No. 133 or No. 133A  
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 Hanging Counterweight  
360 Degree Rating

**42.7m (140 Ft.) Luffing Jib**  
**168 Degree Boom to Luffing Jib Angle**

Boom Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	24 950 kg Hanging Counterweight		61 230 kg Hanging Counterweight		102 060 kg Hanging Counterweight		Boom 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	
<b>73.2m (240 Ft.) BOOM</b>									
11.6	82.9	75.5	16 600	136 300 *	54 200	150 500 *	96 500	150 500 *	11.6
12.0	82.6	75.5	14 300	130 900 *	50 400	147 500 *	91 000	150 500 *	12.0
13.0	81.8	75.3	9 400	119 000 *	42 200	135 700 *	79 200	150 000 *	13.0
14.0	81.0	75.2	5 400	107 900	35 500	124 400 *	69 400	142 000 *	14.0
15.0	80.2	75.0	1 900	96 000	29 700	114 500 *	61 100	130 900 *	15.0
16.0	79.4	74.8		85 900	24 800	105 800 *	53 800	121 200 *	16.0
18.0	77.8	74.4		70 000	16 700	91 200 *	42 200	104 900 *	18.0
20.0	76.2	73.9		57 900	10 400	78 500	33 000	91 900 *	20.0
22.0	74.5	73.3		48 400	5 300	66 700	25 700	81 100 *	22.0
24.0	72.9	72.7		40 800	1 100	57 200	19 700	72 000 *	24.0
26.0	71.3	72.0		34 500		49 500	14 600	64 400 *	26.0
28.0	69.6	71.3		29 200		43 000	10 400	57 800 *	28.0
30.0	67.9	70.5		24 700		37 500	6 700	51 800	30.0
32.0	66.2	69.6		20 900		32 700	3 500	46 100	32.0
34.0	64.4	68.7		17 500		28 600		41 100	34.0
36.0	62.7	67.6		14 600		25 000		36 700	36.0
38.0	60.9	66.5		12 000		21 700		32 800	38.0
40.0	59.1	65.3		9 500 *		18 900		29 300	40.0
42.0	57.2	64.1		7 000 *		16 100 *		26 200	42.0
44.0	55.3	62.7				13 400 *		23 100 *	44.0
46.0	53.4	61.2				10 900 *		20 200 *	46.0
48.0	51.4	59.6				8 600 *		17 500 *	48.0
50.0	49.3	57.9				6 500 *		15 000 *	50.0
52.0	47.2	56.1						12 700 *	52.0
54.0	45.0	54.1						10 600 *	54.0
56.0	42.7	52.0						8 400 *	56.0
58.0	40.3	49.7						6 300 *	58.0



# Liftcrane Boom Capacities With Luffing Jib Attached

Meets  
ANSI B30.5  
Requirements

## MAX-ER 225 On 2250 or M-250

Boom No. 49A-44 With Heavy Lift Top  
Luffing Jib No. 133 or No. 133A  
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 Hanging Counterweight  
360 Degree Rating

### 42.7m (140 Ft.) Luffing Jib 168 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	61 230 kg Hanging Counterweight		102 060 kg Hanging Counterweight		Boom 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	
<b>79.2m (260 Ft.) BOOM</b>							
12.2	83.0	81.6	49 400	124 200 *	89 500	124 200 *	12.2
13.0	82.4	81.5	42 900	122 000 *	80 100	122 000 *	13.0
14.0	81.7	81.3	36 100	119 300 *	70 200	119 300 *	14.0
15.0	80.9	81.2	30 200	114 700 *	61 800	116 500 *	15.0
16.0	80.2	81.0	25 200	105 700 *	54 500	113 900 *	16.0
18.0	78.7	80.6	17 000	91 000 *	42 600	104 800 *	18.0
20.0	77.3	80.1	10 700	78 500	33 400	91 700 *	20.0
22.0	75.8	79.6	5 500	66 700	26 000	80 900 *	22.0
24.0	74.3	79.1	1 300	57 200	19 900	71 900 *	24.0
26.0	72.7	78.5		49 500	14 800	64 200 *	26.0
28.0	71.2	77.8		43 000	10 500	57 600 *	28.0
30.0	69.7	77.1		37 400	6 800	51 700	30.0
32.0	68.1	76.3		32 700	3 600	46 000	32.0
34.0	66.5	75.4		28 500		41 000	34.0
36.0	65.0	74.5		24 900		36 600	36.0
38.0	63.3	73.5		21 700		32 700	38.0
40.0	61.7	72.4		18 800		29 300	40.0
42.0	60.0	71.3		16 100		26 100	42.0
44.0	58.3	70.0		13 400 *		23 200	44.0
46.0	56.6	68.7		10 900 *		20 200 *	46.0
48.0	54.8	67.3		8 600 *		17 500 *	48.0
50.0	53.0	65.8		6 500 *		15 000 *	50.0
52.0	51.2	64.2				12 800 *	52.0
54.0	49.3	62.5				10 700 *	54.0
56.0	47.3	60.7				8 700 *	56.0
58.0	45.3	58.8				6 900 *	58.0



# Liftcrane Boom Capacities With Luffing Jib Attached

Meets  
 ANSI B30.5  
 Requirements

## MAX-ER 225 On 2250 or M-250

Boom No. 49A-44 With Heavy Lift Top  
 Luffing Jib No. 133 or No. 133A  
 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 Hanging Counterweight  
 360 Degree Rating

### 42.7m (140 Ft.) Luffing Jib 168 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	61 230 kg Hanging Counterweight		102 060 kg Hanging Counterweight		Boom 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	
<b>85.3m (280 Ft.) BOOM</b>							
13.4	82.7	87.6	40 700	106 000 *	76 800	106 000 *	13.4
14.0	82.3	87.5	36 800	104 600 *	71 100	104 600 *	14.0
15.0	81.6	87.3	30 900	102 100 *	62 600	102 100 *	15.0
16.0	80.9	87.2	25 800	99 700 *	55 200	99 700 *	16.0
18.0	79.5	86.8	17 500	91 100 *	43 300	95 000 *	18.0
20.0	78.2	86.4	11 100	78 700	33 900	90 200 *	20.0
22.0	76.8	85.9	5 900	66 800	26 500	81 000 *	22.0
24.0	75.4	85.4	1 600	57 300	20 300	71 700 *	24.0
26.0	74.0	84.8		49 600	15 200	64 100 *	26.0
28.0	72.6	84.2		43 000	10 800	57 400 *	28.0
30.0	71.2	83.5		37 500	7 100	51 700	30.0
32.0	69.8	82.8		32 800	3 900	46 100	32.0
34.0	68.3	82.0		28 600		41 100	34.0
36.0	66.9	81.2		25 000		36 700	36.0
38.0	65.4	80.3		21 700		32 700	38.0
40.0	63.9	79.3		18 800		29 300	40.0
42.0	62.4	78.3		16 200		26 200	42.0
44.0	60.8	77.1		13 500 *		23 300	44.0
46.0	59.3	76.0		11 000 *		20 400 *	46.0
48.0	57.7	74.7		8 700 *		17 600 *	48.0
50.0	56.1	73.4		6 600 *		15 100 *	50.0
52.0	54.4	72.0				12 900 *	52.0
54.0	52.8	70.5				10 700 *	54.0
56.0	51.0	68.9				8 700 *	56.0
58.0	49.3	67.1				6 900 *	58.0



# Liftcrane Boom Capacities With Luffing Jib Attached

Meets  
ANSI B30.5  
Requirements

## MAX-ER 225 On 2250 or M-250

Boom No. 49A-44 With Heavy Lift Top  
Luffing Jib No. 133 or No. 133A  
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 Hanging Counterweight  
360 Degree Rating

### 42.7m (140 Ft.) Luffing Jib 168 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	102 060 kg Hanging Counterweight	
			Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms
<b>91.4m (300 Ft.) BOOM</b>				
16.8	81.0	93.2	50 700	73 900 *
18.0	80.3	93.0	43 700	71 700 *
20.0	79.0	92.6	34 200	68 100 *
22.0	77.7	92.2	26 600	64 600 *
24.0	76.4	91.7	20 400	61 200 *
26.0	75.1	91.2	15 200	57 800 *
28.0	73.8	90.6	10 800	54 600 *
30.0	72.5	90.0	7 100	51 100 *
32.0	71.2	89.3	3 800	45 900
34.0	69.8	88.6		40 900
36.0	68.5	87.8		36 400
38.0	67.1	87.0		32 600
40.0	65.8	86.1		29 100
42.0	64.4	85.1		26 000
44.0	63.0	84.1		23 200
46.0	61.5	83.0		20 200 *
48.0	60.1	81.9		17 500 *
50.0	58.6	80.7		15 000 *
52.0	57.1	79.4		12 700 *
54.0	55.6	78.0		10 600 *
56.0	54.1	76.6		8 600 *
58.0	52.5	75.1		6 700 *



# Liftcrane Boom Capacities With Luffing Jib Attached

Meets  
ANSI B30.5  
Requirements

## MAX-ER 225 On 2250 or M-250

Boom No. 49A-44 With Heavy Lift Top  
Luffing Jib No. 133 or No. 133A  
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 Hanging Counterweight  
360 Degree Rating

45.7m (150 Ft.) Luffing Jib  
168 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	0 kg Hanging Counterweight	24 950 kg Hanging Counterweight		61 230 kg Hanging Counterweight		102 060 kg Hanging Counterweight		Boom 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	
<b>42.7m (140 Ft.) BOOM</b>										
7.9	82.7	45.3	188 400 *	41 000	207 600 *	98 200	217 700 *	162 700	217 700 *	7.9
8.0	82.6	45.3	186 600 *	40 200	205 700 *	96 700	217 500 *	160 500	217 700 *	8.0
8.5	82.0	45.2	174 700 *	34 200	192 700 *	86 700	216 700 *	145 800	217 700 *	8.5
9.0	81.3	45.1	164 000 *	29 100	181 000 *	78 000	206 200 *	133 000	217 700 *	9.0
10.0	79.9	44.9	145 700 *	20 800	161 200 *	63 800	182 600 *	112 300	207 800 *	10.0
11.0	78.5	44.7	126 500	14 300	144 700 *	52 700	164 300 *	96 000	186 300 *	11.0
12.0	77.2	44.5	108 100	8 900	130 900 *	43 700	148 900 *	82 800	169 100 *	12.0
13.0	75.8	44.2	93 600	4 600	118 600	36 200	135 700 *	71 900	154 500 *	13.0
14.0	74.4	43.9	81 800	900	104 700	30 000	124 400 *	62 800	141 900 *	14.0
15.0	73.0	43.6	72 100		93 000	24 700	114 500 *	55 000	130 800 *	15.0
16.0	71.5	43.2	63 900		83 100	20 100	105 700 *	48 300	121 100 *	16.0
18.0	68.7	42.5	50 900		67 500	12 700	90 500	37 400	104 900 *	18.0
20.0	65.7	41.6	41 100		55 700	6 800	76 200	28 900	91 800 *	20.0
22.0	62.7	40.6	33 400		46 400	2 100	64 700	22 000	80 900 *	22.0
24.0	59.6	39.4	27 200		38 900		55 400	16 300	71 900 *	24.0
26.0	56.4	38.1	22 000		32 800		47 800	11 600	62 500 *	26.0
28.0	53.1	36.6	17 800		27 600		41 400	7 600	54 000 *	28.0
30.0	49.6	35.0	14 100		23 200		36 000	4 100	46 700 *	30.0
32.0	45.9	33.1	11 000		19 500		31 300	1 100	40 300 *	32.0
34.0	41.9	30.9	8 000 *		16 200		27 300		34 700 *	34.0
36.0	37.6	28.4			13 300		23 700		29 600 *	36.0



# Liftcrane Boom Capacities With Luffing Jib Attached

Meets  
ANSI B30.5  
Requirements

## MAX-ER 225 On 2250 or M-250

Boom No. 49A-44 With Heavy Lift Top  
Luffing Jib No. 133 or No. 133A  
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 Hanging Counterweight  
360 Degree Rating

**45.7m (150 Ft.) Luffing Jib**  
**168 Degree Boom to Luffing Jib Angle**

Boom Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	0 kg Hanging Counterweight	24 950 kg Hanging Counterweight		61 230 kg Hanging Counterweight		102 060 kg Hanging Counterweight		Boom 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	
<b>48.8m (160 Ft.) BOOM</b>										
8.5	82.9	51.3	173 800 *	35 200	191 700 *	87 800	216 600 *	147 100	217 700 *	8.5
9.0	82.4	51.3	164 100 *	30 600	181 200 *	79 900	204 800 *	135 500	217 700 *	9.0
10.0	81.2	51.1	145 700 *	22 000	161 200 *	65 400	182 600 *	114 200	207 800 *	10.0
11.0	80.0	50.9	127 300	15 400	144 800 *	54 100	164 300 *	97 700	186 400 *	11.0
12.0	78.8	50.7	108 800	10 000	130 900 *	44 900	149 000 *	84 300	169 200 *	12.0
13.0	77.6	50.5	94 300	5 600	118 800	37 400	135 800 *	73 300	154 600 *	13.0
14.0	76.4	50.2	82 500	1 900	105 400	31 100	124 500 *	64 100	142 000 *	14.0
15.0	75.2	50.0	72 800		93 700	25 800	114 600 *	56 300	131 000 *	15.0
16.0	73.9	49.7	64 600		83 800	21 200	105 900 *	49 500	121 300 *	16.0
18.0	71.5	49.0	51 600		68 100	13 600	91 000	38 500	105 100 *	18.0
20.0	68.9	48.2	41 700		56 300	7 700	76 800	29 900	92 000 *	20.0
22.0	66.4	47.4	34 000		47 000	3 000	65 200	22 900	81 200 *	22.0
24.0	63.8	46.4	27 800		39 500		56 000	17 200	72 200 *	24.0
26.0	61.1	45.3	22 600		33 300		48 400	12 500	64 500	26.0
28.0	58.3	44.1	18 300		28 200		42 000	8 400	57 600	28.0
30.0	55.5	42.7	14 700		23 800		36 600	5 000	50 700	30.0
32.0	52.6	41.2	11 600		20 000		31 900	2 000	44 200 *	32.0
34.0	49.5	39.5	8 700		16 700		27 800		38 400 *	34.0
36.0	46.3	37.7	5 800 *		13 800		24 300		33 200 *	36.0
38.0	42.9	35.6			11 200		21 100		28 700 *	38.0
40.0	39.2	33.2			8 500 *		18 000 *		24 500 *	40.0
42.0	35.2	30.4			6 100 *		15 100 *		20 700 *	42.0



# Liftcrane Boom Capacities With Luffing Jib Attached

Meets  
ANSI B30.5  
Requirements

## MAX-ER 225 On 2250 or M-250

Boom No. 49A-44 With Heavy Lift Top  
Luffing Jib No. 133 or No. 133A  
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 Hanging Counterweight  
360 Degree Rating

**45.7m (150 Ft.) Luffing Jib**  
**168 Degree Boom to Luffing Jib Angle**

Boom Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	0 kg Hanging Counterweight	24 950 kg Hanging Counterweight		61 230 kg Hanging Counterweight		102 060 kg Hanging Counterweight		Boom 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	
<b>54.9m (180 Ft.) BOOM</b>										
9.8	82.4	57.3	148 700 *	24 200	164 600 *	69 300	186 500 *	120 000	211 100 *	9.8
10.0	82.2	57.3	144 700 *	22 300	160 200 *	66 100	181 600 *	115 400	205 700 *	10.0
11.0	81.1	57.1	127 400	15 400	143 600 *	54 400	163 200 *	98 400	185 200 *	11.0
12.0	80.1	56.9	108 800	9 900	129 800 *	45 100	147 800 *	84 800	168 100 *	12.0
13.0	79.0	56.7	94 200	5 400	117 900	37 400	134 700 *	73 600	153 500 *	13.0
14.0	77.9	56.5	82 300	1 500	105 300	31 000	123 400 *	64 200	140 900 *	14.0
15.0	76.8	56.3	72 500		93 400	25 500	113 500 *	56 200	129 900 *	15.0
16.0	75.8	56.0	64 200		83 500	20 800	104 800 *	49 300	120 200 *	16.0
18.0	73.6	55.4	51 100		67 700	13 100	90 200 *	38 100	104 000 *	18.0
20.0	71.4	54.8	41 200		55 800	7 100	76 300	29 400	90 900 *	20.0
22.0	69.2	54.0	33 400		46 400	2 300	64 700	22 300	80 100 *	22.0
24.0	66.9	53.2	27 100		38 900		55 400	16 500	71 100 *	24.0
26.0	64.6	52.2	22 000		32 700		47 700	11 700	63 400 *	26.0
28.0	62.2	51.2	17 600		27 400		41 300	7 600	56 700	28.0
30.0	59.8	50.0	13 900		23 000		35 800	4 000	50 200	30.0
32.0	57.3	48.8	10 800		19 200		31 100	1 000	44 500	32.0
34.0	54.8	47.4	7 700 *		15 900		27 000		39 500	34.0
36.0	52.2	45.8			13 000		23 400		34 600 *	36.0
38.0	49.4	44.1			10 100		20 200		29 800 *	38.0
40.0	46.6	42.3			7 300 *		16 900 *		25 500 *	40.0
42.0	43.6	40.2					13 900 *		21 700 *	42.0
44.0	40.4	37.9					11 300 *		18 200 *	44.0
46.0	37.0	35.4					8 800 *		15 000 *	46.0



# Liftcrane Boom Capacities With Luffing Jib Attached

Meets  
ANSI B30.5  
Requirements

## MAX-ER 225 On 2250 or M-250

Boom No. 49A-44 With Heavy Lift Top  
Luffing Jib No. 133 or No. 133A  
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 Hanging Counterweight  
360 Degree Rating

**45.7m (150 Ft.) Luffing Jib**  
**168 Degree Boom to Luffing Jib Angle**

Boom Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	0 kg Hanging Counterweight	24 950 kg Hanging Counterweight		61 230 kg Hanging Counterweight		102 060 kg Hanging Counterweight		Boom 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	
<b>61.0m (200 Ft.) BOOM</b>										
10.4	82.6	63.4	138 800 *	21 000	153 800 *	63 200	174 500 *	110 800	197 800 *	10.4
11.0	82.0	63.3	128 400	16 700	143 700 *	56 000	163 200 *	100 400	185 300 *	11.0
12.0	81.1	63.1	109 600	11 100	129 900 *	46 500	147 900 *	86 500	168 100 *	12.0
13.0	80.1	62.9	94 900	6 400	118 100 *	38 700	134 800 *	75 100	153 600 *	13.0
14.0	79.1	62.8	83 000	2 500	105 900	32 200	123 500 *	65 600	141 000 *	14.0
15.0	78.2	62.5	73 200		94 000	26 600	113 600 *	57 500	130 000 *	15.0
16.0	77.2	62.3	64 800		84 000	21 800	104 900 *	50 500	120 300 *	16.0
18.0	75.3	61.8	51 600		68 200	14 000	90 300 *	39 100	104 000 *	18.0
20.0	73.3	61.2	41 700		56 300	7 900	76 800	30 300	91 000 *	20.0
22.0	71.3	60.5	33 900		46 800	3 000	65 100	23 100	80 200 *	22.0
24.0	69.3	59.8	27 500		39 300		55 800	17 200	71 200 *	24.0
26.0	67.3	58.9	22 300		33 000		48 100	12 400	63 500 *	26.0
28.0	65.2	58.0	18 000		27 800		41 600	8 200	56 800	28.0
30.0	63.1	57.0	14 300		23 400		36 100	4 600	50 600	30.0
32.0	61.0	55.9	11 100		19 600		31 400	1 500	44 800	32.0
34.0	58.8	54.7	8 100 *		16 200		27 300		39 800	34.0
36.0	56.5	53.4			13 300		23 700		35 400	36.0
38.0	54.2	52.0			10 500		20 500		31 600	38.0
40.0	51.9	50.4			7 700 *		17 300 *		27 900 *	40.0
42.0	49.4	48.7					14 300 *		23 900 *	42.0
44.0	46.8	46.9					11 600 *		20 400 *	44.0
46.0	44.2	44.9					9 100 *		17 100 *	46.0
48.0	41.3	42.6					6 900 *		14 100 *	48.0
50.0	38.4	40.2					4 900 *		11 400 *	50.0



# Liftcrane Boom Capacities With Luffing Jib Attached

Meets  
ANSI B30.5  
Requirements

# MAX-ER 225 On 2250 or M-250

Boom No. 49A-44 With Heavy Lift Top  
Luffing Jib No. 133 or No. 133A  
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 Hanging Counterweight  
360 Degree Rating

**45.7m (150 Ft.) Luffing Jib**  
**168 Degree Boom to Luffing Jib Angle**

Boom Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	0 kg Hanging Counterweight	24 950 kg Hanging Counterweight		61 230 kg Hanging Counterweight		102 060 kg Hanging Counterweight		Boom 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	
<b>67.1m (220 Ft.) BOOM</b>										
11.0	82.8	69.5	129 500	17 900	144 100 *	57 600	160 400 *	102 500	160 400 *	11.0
12.0	81.9	69.3	110 200	12 000	129 800 *	47 700	148 200 *	88 100	160 400 *	12.0
13.0	81.0	69.1	95 400	7 200	118 000 *	39 800	134 800 *	76 500	154 000 *	13.0
14.0	80.1	69.0	83 500	3 300	106 400	33 200	123 500 *	66 900	140 900 *	14.0
15.0	79.3	68.8	73 600		94 500	27 500	113 600 *	58 700	130 000 *	15.0
16.0	78.4	68.6	65 200		84 500	22 700	104 900 *	51 600	120 300 *	16.0
18.0	76.6	68.1	52 100		68 600	14 800	90 300 *	40 100	104 100 *	18.0
20.0	74.9	67.6	42 100		56 600	8 500	77 200	31 100	91 000 *	20.0
22.0	73.1	66.9	34 200		47 200	3 600	65 400	23 800	80 200 *	22.0
24.0	71.3	66.3	27 800		39 600		56 100	17 900	71 200 *	24.0
26.0	69.5	65.5	22 600		33 300		48 400	12 900	63 500 *	26.0
28.0	67.6	64.7	18 200		28 100		41 900	8 700	57 000 *	28.0
30.0	65.7	63.8	14 500		23 600		36 400	5 100	50 800	30.0
32.0	63.8	62.8	11 300		19 800		31 700	2 000	45 000	32.0
34.0	61.9	61.8	8 500		16 500		27 600		40 100	34.0
36.0	59.9	60.6	5 500 *		13 500		24 000		35 700	36.0
38.0	57.9	59.4			10 900		20 700		31 800	38.0
40.0	55.9	58.1			8 100 *		17 700 *		28 300	40.0
42.0	53.8	56.6			5 600 *		14 700 *		24 900 *	42.0
44.0	51.6	55.0					12 000 *		21 700 *	44.0
46.0	49.4	53.3					9 500 *		18 800 *	46.0
48.0	47.0	51.5					7 200 *		15 900 *	48.0
50.0	44.6	49.5					5 200 *		13 100 *	50.0
52.0	42.1	47.3							10 600 *	52.0
54.0	39.4	45.0							8 200 *	54.0
56.0	36.6	42.3							6 000 *	56.0



# Liftcrane Boom Capacities With Luffing Jib Attached

Meets  
ANSI B30.5  
Requirements

## MAX-ER 225 On 2250 or M-250

Boom No. 49A-44 With Heavy Lift Top  
Luffing Jib No. 133 or No. 133A  
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 Hanging Counterweight  
360 Degree Rating

**45.7m (150 Ft.) Luffing Jib  
168 Degree Boom to Luffing Jib Angle**

Boom Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	24 950 kg Hanging Counterweight		61 230 kg Hanging Counterweight		102 060 kg Hanging Counterweight		Boom 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	
<b>73.2m (240 Ft.) BOOM</b>									
11.6	82.9	75.5	15 100	135 300 *	52 700	149 500 *	95 000	149 500 *	11.6
12.0	82.6	75.5	12 900	129 800 *	48 900	146 500 *	89 500	149 500 *	12.0
13.0	81.8	75.3	8 000	118 000 *	40 800	134 700 *	77 800	149 100 *	13.0
14.0	81.0	75.2	4 000	106 700	34 100	123 400 *	68 000	141 000 *	14.0
15.0	80.2	75.0		94 800	28 400	113 600 *	59 700	129 900 *	15.0
16.0	79.4	74.8		84 800	23 400	104 900 *	52 500	120 200 *	16.0
18.0	77.8	74.4		68 900	15 400	90 300 *	40 900	104 000 *	18.0
20.0	76.2	73.9		56 900	9 100	77 400	31 800	91 000 *	20.0
22.0	74.5	73.3		47 400	4 100	65 700	24 500	80 200 *	22.0
24.0	72.9	72.7		39 800		56 300	18 500	71 200 *	24.0
26.0	71.3	72.0		33 500		48 600	13 500	63 600 *	26.0
28.0	69.6	71.3		28 300		42 100	9 200	56 900 *	28.0
30.0	67.9	70.5		23 800		36 600	5 600	50 900	30.0
32.0	66.2	69.6		20 000		31 800	2 400	45 200	32.0
34.0	64.4	68.7		16 600		27 700		40 200	34.0
36.0	62.7	67.6		13 700		24 100		35 800	36.0
38.0	60.9	66.5		11 100		20 900		32 000	38.0
40.0	59.1	65.3		8 400 *		18 000		28 500	40.0
42.0	57.2	64.1		5 900 *		15 000 *		25 300	42.0
44.0	55.3	62.7				12 300 *		22 100 *	44.0
46.0	53.4	61.2				9 800 *		19 100 *	46.0
48.0	51.4	59.6				7 500 *		16 400 *	48.0
50.0	49.3	57.9				5 500 *		14 000 *	50.0
52.0	47.2	56.1						11 700 *	52.0
54.0	45.0	54.1						9 600 *	54.0
56.0	42.7	52.0						7 400 *	56.0



# Liftcrane Boom Capacities With Luffing Jib Attached

Meets  
 ANSI B30.5  
 Requirements

## MAX-ER 225 On 2250 or M-250

Boom No. 49A-44 With Heavy Lift Top  
 Luffing Jib No. 133 or No. 133A  
 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 Hanging Counterweight  
 360 Degree Rating

### 45.7m (150 Ft.) Luffing Jib 168 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	61 230 kg Hanging Counterweight		102 060 kg Hanging Counterweight		Boom 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	
<b>79.2m (260 Ft.) BOOM</b>							
12.2	83.0	81.6	47 900	123 300 *	88 000	123 300 *	12.2
13.0	82.4	81.5	41 500	121 100 *	78 700	121 100 *	13.0
14.0	81.7	81.3	34 700	118 300 *	68 800	118 300 *	14.0
15.0	80.9	81.2	28 900	113 800 *	60 400	115 700 *	15.0
16.0	80.2	81.0	23 900	104 700 *	53 200	113 000 *	16.0
18.0	78.7	80.6	15 800	90 100 *	41 400	103 900 *	18.0
20.0	77.3	80.1	9 400	77 500	32 200	90 800 *	20.0
22.0	75.8	79.6	4 300	65 700	24 800	80 000 *	22.0
24.0	74.3	79.1		56 300	18 800	71 000 *	24.0
26.0	72.7	78.5		48 600	13 800	63 400 *	26.0
28.0	71.2	77.8		42 100	9 500	56 800 *	28.0
30.0	69.7	77.1		36 600	5 700	50 900	30.0
32.0	68.1	76.3		31 800	2 600	45 200	32.0
34.0	66.5	75.4		27 700		40 200	34.0
36.0	65.0	74.5		24 100		35 800	36.0
38.0	63.3	73.5		20 900		31 900	38.0
40.0	61.7	72.4		18 000		28 500	40.0
42.0	60.0	71.3		15 100 *		25 300	42.0
44.0	58.3	70.0		12 400 *		22 200 *	44.0
46.0	56.6	68.7		9 900 *		19 200 *	46.0
48.0	54.8	67.3		7 600 *		16 500 *	48.0
50.0	53.0	65.8		5 500 *		14 000 *	50.0
52.0	51.2	64.2				11 800 *	52.0
54.0	49.3	62.5				9 700 *	54.0
56.0	47.3	60.7				7 700 *	56.0
58.0	45.3	58.8				5 900 *	58.0





# Liftcrane Boom Capacities With Luffing Jib Attached

Meets  
ANSI B30.5  
Requirements

## MAX-ER 225 On 2250 or M-250

Boom No. 49A-44 With Heavy Lift Top  
Luffing Jib No. 133 or No. 133A  
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 Hanging Counterweight  
360 Degree Rating

### 45.7m (150 Ft.) Luffing Jib 168 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	61 230 kg Hanging Counterweight		102 060 kg Hanging Counterweight		Boom 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	
<b>85.3m (280 Ft.) BOOM</b>							
13.4	82.7	87.6	39 400	105 000 *	75 500	105 000 *	13.4
14.0	82.3	87.5	35 500	103 600 *	69 800	103 600 *	14.0
15.0	81.6	87.3	29 600	101 200 *	61 300	101 200 *	15.0
16.0	80.9	87.2	24 500	98 800 *	54 000	98 800 *	16.0
18.0	79.5	86.8	16 300	90 200 *	42 100	94 100 *	18.0
20.0	78.2	86.4	9 900	77 700	32 800	89 200 *	20.0
22.0	76.8	85.9	4 700	65 900	25 300	80 100 *	22.0
24.0	75.4	85.4		56 400	19 200	70 900 *	24.0
26.0	74.0	84.8		48 700	14 100	63 300 *	26.0
28.0	72.6	84.2		42 200	9 800	56 700 *	28.0
30.0	71.2	83.5		36 700	6 000	50 900	30.0
32.0	69.8	82.8		31 900	2 800	45 300	32.0
34.0	68.3	82.0		27 800		40 200	34.0
36.0	66.9	81.2		24 100		35 900	36.0
38.0	65.4	80.3		20 900		32 000	38.0
40.0	63.9	79.3		18 100		28 500	40.0
42.0	62.4	78.3		15 300 *		25 400	42.0
44.0	60.8	77.1		12 500 *		22 400	44.0
46.0	59.3	76.0		10 000 *		19 400 *	46.0
48.0	57.7	74.7		7 700 *		16 600 *	48.0
50.0	56.1	73.4		5 600 *		14 200 *	50.0
52.0	54.4	72.0				11 900 *	52.0
54.0	52.8	70.5				9 700 *	54.0
56.0	51.0	68.9				7 800 *	56.0
58.0	49.3	67.1				6 000 *	58.0



# Liftcrane Boom Capacities With Luffing Jib Attached

Meets  
 ANSI B30.5  
 Requirements

**MAX-ER 225**  
**On 2250 or**  
**M-250**

Boom No. 49A-44 With Heavy Lift Top  
 Luffing Jib No. 133 or No. 133A  
 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 Hanging Counterweight  
 360 Degree Rating

**45.7m (150 Ft.) Luffing Jib**  
**168 Degree Boom to Luffing Jib Angle**

Boom Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	102 060 kg Hanging Counterweight	
			Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms
<b>91.4m (300 Ft.) BOOM</b>				
16.8	81.0	93.2	49 500	73 000 *
18.0	80.3	93.0	42 500	70 800 *
20.0	79.0	92.6	33 000	67 200 *
22.0	77.7	92.2	25 500	63 800 *
24.0	76.4	91.7	19 300	60 300 *
26.0	75.1	91.2	14 200	56 900 *
28.0	73.8	90.6	9 800	53 700 *
30.0	72.5	90.0	6 000	50 300 *
32.0	71.2	89.3	2 800	45 100
34.0	69.8	88.6		40 100
36.0	68.5	87.8		35 700
38.0	67.1	87.0		31 800
40.0	65.8	86.1		28 300
42.0	64.4	85.1		25 200
44.0	63.0	84.1		22 200
46.0	61.5	83.0		19 300 *
48.0	60.1	81.9		16 500 *
50.0	58.6	80.7		14 000 *
52.0	57.1	79.4		11 700 *
54.0	55.6	78.0		9 600 *
56.0	54.1	76.6		7 600 *
58.0	52.5	75.1		5 800 *



# Liftcrane Boom Capacities With Luffing Jib Attached

Meets  
ANSI B30.5  
Requirements

## MAX-ER 225 On 2250 or M-250

Boom No. 49A-44 With Heavy Lift Top  
Luffing Jib No. 133 or No. 133A  
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 Hanging Counterweight  
360 Degree Rating

**48.8m (160 Ft.) Luffing Jib**  
**168 Degree Boom to Luffing Jib Angle**

Boom Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	0 kg Hanging Counterweight	24 950 kg Hanging Counterweight		61 230 kg Hanging Counterweight		102 060 kg Hanging Counterweight		Boom 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	
<b>42.7m (140 Ft.) BOOM</b>										
7.9	82.7	45.3	187 000 *	38 700	206 200 *	95 900	217 700 *	160 400	217 700 *	7.9
8.0	82.6	45.3	185 200 *	37 900	204 300 *	94 400	217 400 *	158 200	217 700 *	8.0
8.5	82.0	45.2	173 300 *	32 000	191 300 *	84 500	215 400 *	143 600	217 700 *	8.5
9.0	81.3	45.1	162 600 *	27 000	179 700 *	75 800	204 600 *	130 900	217 700 *	9.0
10.0	79.9	44.9	144 300 *	18 700	159 800 *	61 700	181 200 *	110 200	206 300 *	10.0
11.0	78.5	44.7	124 600	12 200	143 400 *	50 700	162 900 *	94 000	185 000 *	11.0
12.0	77.2	44.5	106 300	7 000	129 500 *	41 700	147 500 *	80 800	167 800 *	12.0
13.0	75.8	44.2	91 900	2 600	117 200	34 300	134 400 *	70 000	153 200 *	13.0
14.0	74.4	43.9	80 200		103 100	28 100	123 100 *	60 900	140 600 *	14.0
15.0	73.0	43.6	70 500		91 400	22 900	113 200 *	53 200	129 600 *	15.0
16.0	71.5	43.2	62 300		81 600	18 300	104 400 *	46 500	119 900 *	16.0
18.0	68.7	42.5	49 500		66 000	10 900	89 100	35 700	103 600 *	18.0
20.0	65.7	41.6	39 700		54 300	5 100	74 800	27 100	90 500 *	20.0
22.0	62.7	40.6	32 000		45 000		63 300	20 300	79 700 *	22.0
24.0	59.6	39.4	25 800		37 600		54 100	14 700	70 400 *	24.0
26.0	56.4	38.1	20 700		31 400		46 500	10 000	60 900 *	26.0
28.0	53.1	36.6	16 500		26 300		40 100	6 000	52 400 *	28.0
30.0	49.6	35.0	12 900		21 900		34 700	2 500	45 100 *	30.0
32.0	45.9	33.1	9 600		18 200		30 100		38 700 *	32.0
34.0	41.9	30.9	6 400 *		14 900		26 000		33 100 *	34.0
36.0	37.6	28.4			11 900		22 500		28 000 *	36.0



# Liftcrane Boom Capacities With Luffing Jib Attached

Meets  
ANSI B30.5  
Requirements

# MAX-ER 225 On 2250 or M-250

Boom No. 49A-44 With Heavy Lift Top  
Luffing Jib No. 133 or No. 133A  
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 Hanging Counterweight  
360 Degree Rating

**48.8m (160 Ft.) Luffing Jib**  
**168 Degree Boom to Luffing Jib Angle**

Boom Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	0 kg Hanging Counterweight	24 950 kg Hanging Counterweight		61 230 kg Hanging Counterweight		102 060 kg Hanging Counterweight		Boom 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	
<b>48.8m (160 Ft.) BOOM</b>										
8.5	82.9	51.3	172 500 *	33 100	190 400 *	85 700	215 200 *	145 000	217 700 *	8.5
9.0	82.4	51.3	162 800 *	28 500	179 800 *	77 800	203 500 *	133 400	217 700 *	9.0
10.0	81.2	51.1	144 400 *	20 000	159 900 *	63 400	181 300 *	112 200	206 400 *	10.0
11.0	80.0	50.9	125 600	13 400	143 500 *	52 200	163 100 *	95 800	185 100 *	11.0
12.0	78.8	50.7	107 200	8 200	129 700 *	43 100	147 700 *	82 500	168 000 *	12.0
13.0	77.6	50.5	92 700	3 800	117 500	35 600	134 600 *	71 500	153 400 *	13.0
14.0	76.4	50.2	81 000	100	103 900	29 400	123 300 *	62 400	140 800 *	14.0
15.0	75.2	50.0	71 300		92 200	24 000	113 400 *	54 500	129 800 *	15.0
16.0	73.9	49.7	63 100		82 400	19 400	104 700 *	47 800	120 100 *	16.0
18.0	71.5	49.0	50 200		66 800	11 900	89 700	36 800	103 900 *	18.0
20.0	68.9	48.2	40 400		55 000	6 100	75 500	28 200	90 800 *	20.0
22.0	66.4	47.4	32 700		45 700		64 000	21 300	80 100 *	22.0
24.0	63.8	46.4	26 500		38 200		54 700	15 700	71 100 *	24.0
26.0	61.1	45.3	21 400		32 100		47 100	10 900	63 400	26.0
28.0	58.3	44.1	17 100		27 000		40 700	6 900	56 400	28.0
30.0	55.5	42.7	13 500		22 600		35 300	3 400	49 300	30.0
32.0	52.6	41.2	10 400		18 800		30 700	400	42 700 *	32.0
34.0	49.5	39.5	7 200 *		15 500		26 700		36 900 *	34.0
36.0	46.3	37.7			12 700		23 100		31 700 *	36.0
38.0	42.9	35.6			9 800 *		19 800		27 200 *	38.0
40.0	39.2	33.2			7 000 *		16 600 *		23 000 *	40.0
42.0	35.2	30.4					13 600 *		19 200 *	42.0



# Liftcrane Boom Capacities With Luffing Jib Attached

Meets  
ANSI B30.5  
Requirements

## MAX-ER 225 On 2250 or M-250

Boom No. 49A-44 With Heavy Lift Top  
Luffing Jib No. 133 or No. 133A  
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 Hanging Counterweight  
360 Degree Rating

**48.8m (160 Ft.) Luffing Jib**  
**168 Degree Boom to Luffing Jib Angle**

Boom Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	0 kg Hanging Counterweight	24 950 kg Hanging Counterweight		61 230 kg Hanging Counterweight		102 060 kg Hanging Counterweight		Boom 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	
<b>54.9m (180 Ft.) BOOM</b>										
9.8	82.4	57.3	147 500 *	22 300	163 300 *	67 300	185 200 *	118 100	209 900 *	9.8
10.0	82.2	57.3	143 400 *	20 400	159 000 *	64 200	180 400 *	113 500	204 500 *	10.0
11.0	81.1	57.1	125 800	13 600	142 400 *	52 600	162 000 *	96 600	184 000 *	11.0
12.0	80.1	56.9	107 300	8 100	128 600 *	43 300	146 600 *	83 000	166 900 *	12.0
13.0	79.0	56.7	92 700	3 600	116 700	35 700	133 500 *	71 900	152 300 *	13.0
14.0	77.9	56.5	80 900		103 800	29 300	122 200 *	62 500	139 700 *	14.0
15.0	76.8	56.3	71 100		92 000	23 900	112 300 *	54 600	128 700 *	15.0
16.0	75.8	56.0	62 800		82 100	19 200	103 700 *	47 700	119 100 *	16.0
18.0	73.6	55.4	49 800		66 400	11 500	89 100 *	36 500	102 800 *	18.0
20.0	71.4	54.8	39 900		54 500	5 500	75 000	27 800	89 800 *	20.0
22.0	69.2	54.0	32 200		45 200		63 500	20 800	79 000 *	22.0
24.0	66.9	53.2	25 900		37 600		54 200	15 000	70 000 *	24.0
26.0	64.6	52.2	20 800		31 500		46 500	10 200	62 400 *	26.0
28.0	62.2	51.2	16 500		26 300		40 100	6 100	55 600	28.0
30.0	59.8	50.0	12 800		21 900		34 700	2 600	49 000	30.0
32.0	57.3	48.8	9 500		18 100		30 000		43 300	32.0
34.0	54.8	47.4	6 200 *		14 800		25 900		38 300	34.0
36.0	52.2	45.8			11 800		22 300		33 100 *	36.0
38.0	49.4	44.1			8 700 *		18 800 *		28 400 *	38.0
40.0	46.6	42.3			5 900 *		15 500 *		24 100 *	40.0
42.0	43.6	40.2					12 500 *		20 300 *	42.0
44.0	40.4	37.9					9 900 *		16 800 *	44.0
46.0	37.0	35.4					7 400 *		13 600 *	46.0



# Liftcrane Boom Capacities With Luffing Jib Attached

Meets  
ANSI B30.5  
Requirements

# MAX-ER 225 On 2250 or M-250

Boom No. 49A-44 With Heavy Lift Top  
Luffing Jib No. 133 or No. 133A  
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 Hanging Counterweight  
360 Degree Rating

**48.8m (160 Ft.) Luffing Jib**  
**168 Degree Boom to Luffing Jib Angle**

Boom Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	0 kg Hanging Counterweight	24 950 kg Hanging Counterweight		61 230 kg Hanging Counterweight		102 060 kg Hanging Counterweight		Boom 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	
<b>61.0m (200 Ft.) BOOM</b>										
10.4	82.6	63.4	137 600 *	19 100	152 600 *	61 400	173 300 *	109 000	196 500 *	10.4
11.0	82.0	63.3	126 700	14 900	142 500 *	54 200	162 100 *	98 600	184 100 *	11.0
12.0	81.1	63.1	108 100	9 300	128 700 *	44 800	146 700 *	84 800	167 000 *	12.0
13.0	80.1	62.9	93 500	4 700	116 900	37 100	133 600 *	73 500	152 400 *	13.0
14.0	79.1	62.8	81 600	900	104 500	30 600	122 300 *	64 000	139 800 *	14.0
15.0	78.2	62.5	71 800		92 700	25 000	112 500 *	55 900	128 900 *	15.0
16.0	77.2	62.3	63 500		82 700	20 200	103 800 *	48 900	119 100 *	16.0
18.0	75.3	61.8	50 400		67 000	12 500	89 200 *	37 600	103 000 *	18.0
20.0	73.3	61.2	40 500		55 100	6 400	75 600	28 800	89 900 *	20.0
22.0	71.3	60.5	32 600		45 700		64 000	21 600	79 100 *	22.0
24.0	69.3	59.8	26 400		38 100		54 600	15 800	70 100 *	24.0
26.0	67.3	58.9	21 200		31 900		46 900	10 900	62 400 *	26.0
28.0	65.2	58.0	16 900		26 700		40 500	6 800	55 800	28.0
30.0	63.1	57.0	13 200		22 300		35 000	3 200	49 500	30.0
32.0	61.0	55.9	10 000		18 500		30 300	100	43 700	32.0
34.0	58.8	54.7	6 700 *		15 200		26 200		38 800	34.0
36.0	56.5	53.4			12 200		22 700		34 400	36.0
38.0	54.2	52.0			9 200 *		19 300		30 500	38.0
40.0	51.9	50.4			6 400 *		16 000 *		26 500 *	40.0
42.0	49.4	48.7					13 000 *		22 600 *	42.0
44.0	46.8	46.9					10 300 *		19 000 *	44.0
46.0	44.2	44.9					7 800 *		15 800 *	46.0
48.0	41.3	42.6					5 600 *		12 800 *	48.0
50.0	38.4	40.2							10 100 *	50.0



# Liftcrane Boom Capacities With Luffing Jib Attached

Meets  
ANSI B30.5  
Requirements

## MAX-ER 225 On 2250 or M-250

Boom No. 49A-44 With Heavy Lift Top  
Luffing Jib No. 133 or No. 133A  
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 Hanging Counterweight  
360 Degree Rating

**48.8m (160 Ft.) Luffing Jib  
168 Degree Boom to Luffing Jib Angle**

Boom Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	24 950 kg Hanging Counterweight		61 230 kg Hanging Counterweight		102 060 kg Hanging Counterweight		Boom 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	
<b>67.1m (220 Ft.) BOOM</b>									
11.0	82.8	69.5	16 200	142 900 *	55 900	159 100 *	100 800	159 100 *	11.0
12.0	81.9	69.3	10 300	128 700 *	46 100	147 100 *	86 400	159 100 *	12.0
13.0	81.0	69.1	5 600	117 000 *	38 200	133 600 *	74 900	152 900 *	13.0
14.0	80.1	69.0	1 700	105 000	31 600	122 400 *	65 300	139 900 *	14.0
15.0	79.3	68.8		93 200	26 000	112 500 *	57 100	128 900 *	15.0
16.0	78.4	68.6		83 200	21 200	103 800 *	50 100	119 200 *	16.0
18.0	76.6	68.1		67 400	13 300	89 300 *	38 600	103 000 *	18.0
20.0	74.9	67.6		55 500	7 100	76 000	29 600	90 000 *	20.0
22.0	73.1	66.9		46 000	2 100	64 300	22 400	79 200 *	22.0
24.0	71.3	66.3		38 500		55 000	16 500	70 200 *	24.0
26.0	69.5	65.5		32 300		47 300	11 600	62 500 *	26.0
28.0	67.6	64.7		27 000		40 800	7 400	55 900	28.0
30.0	65.7	63.8		22 600		35 300	3 800	49 800	30.0
32.0	63.8	62.8		18 800		30 600	700	44 000	32.0
34.0	61.9	61.8		15 400		26 500		39 000	34.0
36.0	59.9	60.6		12 500		22 900		34 700	36.0
38.0	57.9	59.4		9 600		19 700		30 800	38.0
40.0	55.9	58.1		6 800 *		16 400 *		27 200 *	40.0
42.0	53.8	56.6				13 400 *		23 700 *	42.0
44.0	51.6	55.0				10 700 *		20 400 *	44.0
46.0	49.4	53.3				8 200 *		17 500 *	46.0
48.0	47.0	51.5				6 000 *		14 700 *	48.0
50.0	44.6	49.5						11 900 *	50.0
52.0	42.1	47.3						9 300 *	52.0
54.0	39.4	45.0						6 900 *	54.0



# Liftcrane Boom Capacities With Luffing Jib Attached

Meets  
ANSI B30.5  
Requirements

# MAX-ER 225 On 2250 or M-250

Boom No. 49A-44 With Heavy Lift Top  
Luffing Jib No. 133 or No. 133A  
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 Hanging Counterweight  
360 Degree Rating

**48.8m (160 Ft.) Luffing Jib**  
**168 Degree Boom to Luffing Jib Angle**

Boom Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	24 950 kg Hanging Counterweight		61 230 kg Hanging Counterweight		102 060 kg Hanging Counterweight		Boom 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	
<b>73.2m (240 Ft.) BOOM</b>									
11.6	82.9	75.5	13 500	134 100 *	51 000	148 000 *	93 300	148 000 *	11.6
12.0	82.6	75.5	11 200	128 700 *	47 300	145 300 *	87 900	148 000 *	12.0
13.0	81.8	75.3	6 400	116 900 *	39 200	133 600 *	76 200	147 600 *	13.0
14.0	81.0	75.2	2 400	105 400	32 600	122 300 *	66 400	140 000 *	14.0
15.0	80.2	75.0		93 500	26 800	112 500 *	58 200	128 900 *	15.0
16.0	79.4	74.8		83 500	22 000	103 800 *	51 000	119 200 *	16.0
18.0	77.8	74.4		67 700	14 000	89 300 *	39 400	103 000 *	18.0
20.0	76.2	73.9		55 700	7 700	76 300	30 400	90 000 *	20.0
22.0	74.5	73.3		46 300	2 700	64 600	23 100	79 200 *	22.0
24.0	72.9	72.7		38 700		55 200	17 100	70 200 *	24.0
26.0	71.3	72.0		32 500		47 500	12 100	62 600 *	26.0
28.0	69.6	71.3		27 300		41 000	7 900	56 000 *	28.0
30.0	67.9	70.5		22 800		35 600	4 300	50 000	30.0
32.0	66.2	69.6		19 000		30 800	1 100	44 200	32.0
34.0	64.4	68.7		15 600		26 700		39 200	34.0
36.0	62.7	67.6		12 700		23 100		34 900	36.0
38.0	60.9	66.5		10 000		20 000		31 000	38.0
40.0	59.1	65.3		7 200 *		16 800 *		27 500	40.0
42.0	57.2	64.1				13 800 *		24 100 *	42.0
44.0	55.3	62.7				11 000 *		20 800 *	44.0
46.0	53.4	61.2				8 600 *		17 900 *	46.0
48.0	51.4	59.6				6 300 *		15 200 *	48.0
50.0	49.3	57.9						12 800 *	50.0
52.0	47.2	56.1						10 500 *	52.0
54.0	45.0	54.1						8 400 *	54.0
56.0	42.7	52.0						6 200 *	56.0





# Liftcrane Boom Capacities With Luffing Jib Attached

Meets  
ANSI B30.5  
Requirements

## MAX-ER 225 On 2250 or M-250

Boom No. 49A-44 With Heavy Lift Top  
Luffing Jib No. 133 or No. 133A  
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 Hanging Counterweight  
360 Degree Rating

### 48.8m (160 Ft.) Luffing Jib 168 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	61 230 kg Hanging Counterweight		102 060 kg Hanging Counterweight		Boom 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	
<b>79.2m (260 Ft.) BOOM</b>							
12.2	83.0	81.6	46 400	120 600 *	86 500	120 600 *	12.2
13.0	82.4	81.5	40 000	118 400 *	77 200	118 400 *	13.0
14.0	81.7	81.3	33 200	115 800 *	67 300	115 800 *	14.0
15.0	80.9	81.2	27 400	111 900 *	59 000	113 100 *	15.0
16.0	80.2	81.0	22 400	104 300 *	51 800	110 400 *	16.0
18.0	78.7	80.6	14 400	89 100 *	40 000	102 500 *	18.0
20.0	77.3	80.1	8 100	76 400	30 900	89 800 *	20.0
22.0	75.8	79.6	3 000	64 700	23 500	79 100 *	22.0
24.0	74.3	79.1		55 300	17 500	70 100 *	24.0
26.0	72.7	78.5		47 600	12 400	62 400 *	26.0
28.0	71.2	77.8		41 100	8 200	55 800 *	28.0
30.0	69.7	77.1		35 600	4 500	49 900	30.0
32.0	68.1	76.3		30 900	1 300	44 200	32.0
34.0	66.5	75.4		26 700		39 200	34.0
36.0	65.0	74.5		23 100		34 900	36.0
38.0	63.3	73.5		20 000		31 000	38.0
40.0	61.7	72.4		17 000 *		27 500	40.0
42.0	60.0	71.3		13 900 *		24 200 *	42.0
44.0	58.3	70.0		11 100 *		21 000 *	44.0
46.0	56.6	68.7		8 600 *		18 000 *	46.0
48.0	54.8	67.3		6 400 *		15 300 *	48.0
50.0	53.0	65.8				12 900 *	50.0
52.0	51.2	64.2				10 600 *	52.0
54.0	49.3	62.5				8 500 *	54.0
56.0	47.3	60.7				6 500 *	56.0



# Liftcrane Boom Capacities With Luffing Jib Attached

Meets  
 ANSI B30.5  
 Requirements

## MAX-ER 225 On 2250 or M-250

Boom No. 49A-44 With Heavy Lift Top  
 Luffing Jib No. 133 or No. 133A  
 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 Hanging Counterweight  
 360 Degree Rating

### 48.8m (160 Ft.) Luffing Jib 168 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	61 230 kg Hanging Counterweight		102 060 kg Hanging Counterweight		Boom 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	
<b>85.3m (280 Ft.) BOOM</b>							
13.4	82.7	87.6	37 900	103 800 *	74 000	103 800 *	13.4
14.0	82.3	87.5	34 000	102 400 *	68 300	102 400 *	14.0
15.0	81.6	87.3	28 200	100 000 *	59 900	100 000 *	15.0
16.0	80.9	87.2	23 100	97 700 *	52 500	97 700 *	16.0
18.0	79.5	86.8	14 900	89 200 *	40 700	93 000 *	18.0
20.0	78.2	86.4	8 600	76 600	31 500	88 200 *	20.0
22.0	76.8	85.9	3 400	64 800	24 000	79 200 *	22.0
24.0	75.4	85.4		55 400	17 900	70 000 *	24.0
26.0	74.0	84.8		47 700	12 800	62 400 *	26.0
28.0	72.6	84.2		41 200	8 500	55 800 *	28.0
30.0	71.2	83.5		35 700	4 800	49 900	30.0
32.0	69.8	82.8		30 900	1 600	44 300	32.0
34.0	68.3	82.0		26 800		39 300	34.0
36.0	66.9	81.2		23 200		35 000	36.0
38.0	65.4	80.3		20 000		31 100	38.0
40.0	63.9	79.3		17 100		27 600	40.0
42.0	62.4	78.3		14 100 *		24 400	42.0
44.0	60.8	77.1		11 300 *		21 200 *	44.0
46.0	59.3	76.0		8 800 *		18 200 *	46.0
48.0	57.7	74.7		6 500 *		15 500 *	48.0
50.0	56.1	73.4				13 000 *	50.0
52.0	54.4	72.0				10 700 *	52.0
54.0	52.8	70.5				8 600 *	54.0
56.0	51.0	68.9				6 700 *	56.0



# Liftcrane Boom Capacities With Luffing Jib Attached

Meets  
 ANSI B30.5  
 Requirements

## MAX-ER 225 On 2250 or M-250

Boom No. 49A-44 With Heavy Lift Top  
 Luffing Jib No. 133 or No. 133A  
 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 Hanging Counterweight  
 360 Degree Rating

### 48.8m (160 Ft.) Luffing Jib 168 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	102 060 kg Hanging Counterweight	
			Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms
<b>91.4m (300 Ft.) BOOM</b>				
16.8	81.0	93.2	48 100	72 000 *
18.0	80.3	93.0	41 200	69 800 *
20.0	79.0	92.6	31 700	66 300 *
22.0	77.7	92.2	24 200	62 800 *
24.0	76.4	91.7	18 000	59 300 *
26.0	75.1	91.2	12 900	56 000 *
28.0	73.8	90.6	8 600	52 700 *
30.0	72.5	90.0	4 800	49 300
32.0	71.2	89.3	1 600	44 100
34.0	69.8	88.6		39 200
36.0	68.5	87.8		34 800
38.0	67.1	87.0		30 900
40.0	65.8	86.1		27 500
42.0	64.4	85.1		24 300
44.0	63.0	84.1		21 100 *
46.0	61.5	83.0		18 100 *
48.0	60.1	81.9		15 400 *
50.0	58.6	80.7		12 900 *
52.0	57.1	79.4		10 600 *
54.0	55.6	78.0		8 500 *
56.0	54.1	76.6		6 500 *



# Liftcrane Boom Capacities With Luffing Jib Attached

Meets  
ANSI B30.5  
Requirements

# MAX-ER 225 On 2250 or M-250

Boom No. 49A-44 With Heavy Lift Top  
Luffing Jib No. 133 or No. 133A  
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 Hanging Counterweight  
360 Degree Rating

**51.8m (170 Ft.) Luffing Jib**  
**168 Degree Boom to Luffing Jib Angle**

Boom Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	0 kg Hanging Counterweight	24 950 kg Hanging Counterweight		61 230 kg Hanging Counterweight		102 060 kg Hanging Counterweight		Boom 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	
<b>42.7m (140 Ft.) BOOM</b>										
7.9	82.7	45.3	185 800 *	36 800	205 100 *	94 000	217 700 *	158 400	217 700 *	7.9
8.0	82.6	45.3	184 000 *	35 900	203 100 *	92 500	217 200 *	156 200	217 700 *	8.0
8.5	82.0	45.2	172 100 *	30 100	190 200 *	82 600	214 300 *	141 700	217 700 *	8.5
9.0	81.3	45.1	161 500 *	25 100	178 600 *	74 000	203 400 *	129 000	217 700 *	9.0
10.0	79.9	44.9	143 200 *	17 000	158 700 *	60 000	180 100 *	108 500	205 100 *	10.0
11.0	78.5	44.7	123 100	10 600	142 300 *	49 000	161 900 *	92 400	183 900 *	11.0
12.0	77.2	44.5	104 900	5 400	128 500 *	40 100	146 500 *	79 300	166 800 *	12.0
13.0	75.8	44.2	90 500		116 100	32 800	133 400 *	68 500	152 200 *	13.0
14.0	74.4	43.9	79 000		101 800	26 600	122 100 *	59 500	139 600 *	14.0
15.0	73.0	43.6	69 300		90 200	21 400	112 300 *	51 800	128 600 *	15.0
16.0	71.5	43.2	61 200		80 400	16 900	103 600 *	45 100	118 900 *	16.0
18.0	68.7	42.5	48 300		64 900	9 600	88 100	34 300	102 700 *	18.0
20.0	65.7	41.6	38 600		53 200	3 800	73 700	25 900	89 700 *	20.0
22.0	62.7	40.6	31 000		44 000		62 300	19 100	78 900 *	22.0
24.0	59.6	39.4	24 800		36 600		53 100	13 400	69 400 *	24.0
26.0	56.4	38.1	19 800		30 500		45 500	8 800	59 700 *	26.0
28.0	53.1	36.6	15 600		25 400		39 200	4 800	51 200 *	28.0
30.0	49.6	35.0	12 000		21 000		33 800	1 400	43 900 *	30.0
32.0	45.9	33.1	8 500		17 300		29 200		37 600 *	32.0
34.0	41.9	30.9			14 000		25 200		32 000 *	34.0
36.0	37.6	28.4			10 900 *		21 500		27 000 *	36.0



# Liftcrane Boom Capacities With Luffing Jib Attached

Meets  
ANSI B30.5  
Requirements

## MAX-ER 225 On 2250 or M-250

Boom No. 49A-44 With Heavy Lift Top  
Luffing Jib No. 133 or No. 133A  
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 Hanging Counterweight  
360 Degree Rating

**51.8m (170 Ft.) Luffing Jib**  
**168 Degree Boom to Luffing Jib Angle**

Boom Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	0 kg Hanging Counterweight	24 950 kg Hanging Counterweight		61 230 kg Hanging Counterweight		102 060 kg Hanging Counterweight		Boom 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	
<b>48.8m (160 Ft.) BOOM</b>										
8.5	82.9	51.3	171 400 *	31 300	189 300 *	83 900	214 100 *	143 100	217 700 *	8.5
9.0	82.4	51.3	161 700 *	26 800	178 800 *	76 000	202 400 *	131 600	217 700 *	9.0
10.0	81.2	51.1	143 400 *	18 400	158 900 *	61 700	180 200 *	110 600	205 200 *	10.0
11.0	80.0	50.9	124 100	11 900	142 500 *	50 600	162 100 *	94 200	184 100 *	11.0
12.0	78.8	50.7	105 800	6 700	128 700 *	41 600	146 800 *	81 000	167 000 *	12.0
13.0	77.6	50.5	91 500	2 300	116 500	34 200	133 700 *	70 100	152 400 *	13.0
14.0	76.4	50.2	79 800		102 700	28 000	122 400 *	61 000	139 900 *	14.0
15.0	75.2	50.0	70 100		91 000	22 700	112 500 *	53 200	128 900 *	15.0
16.0	73.9	49.7	62 000		81 200	18 100	103 800 *	46 500	119 200 *	16.0
18.0	71.5	49.0	49 200		65 700	10 700	88 700	35 600	103 000 *	18.0
20.0	68.9	48.2	39 400		54 000	4 900	74 500	27 000	90 000 *	20.0
22.0	66.4	47.4	31 700		44 800		63 000	20 200	79 300 *	22.0
24.0	63.8	46.4	25 600		37 300		53 800	14 500	70 300 *	24.0
26.0	61.1	45.3	20 500		31 200		46 300	9 800	62 600	26.0
28.0	58.3	44.1	16 300		26 100		39 900	5 800	55 500	28.0
30.0	55.5	42.7	12 700		21 800		34 500	2 400	48 300 *	30.0
32.0	52.6	41.2	9 400		18 000		29 900		41 600 *	32.0
34.0	49.5	39.5	6 200 *		14 700		25 900		35 900 *	34.0
36.0	46.3	37.7			11 800		22 300		30 800 *	36.0
38.0	42.9	35.6			8 800 *		18 800 *		26 200 *	38.0
40.0	39.2	33.2			6 100 *		15 600 *		22 000 *	40.0
42.0	35.2	30.4					12 700 *		18 200 *	42.0



# Liftcrane Boom Capacities With Luffing Jib Attached

Meets  
ANSI B30.5  
Requirements

# MAX-ER 225 On 2250 or M-250

Boom No. 49A-44 With Heavy Lift Top  
Luffing Jib No. 133 or No. 133A  
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 Hanging Counterweight  
360 Degree Rating

**51.8m (170 Ft.) Luffing Jib  
168 Degree Boom to Luffing Jib Angle**

Boom Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	0 kg Hanging Counterweight	24 950 kg Hanging Counterweight		61 230 kg Hanging Counterweight		102 060 kg Hanging Counterweight		Boom 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	
<b>54.9m (180 Ft.) BOOM</b>										
9.8	82.4	57.3	146 500 *	20 700	162 300 *	65 700	184 200 *	116 500	208 900 *	9.8
10.0	82.2	57.3	142 500 *	18 900	158 000 *	62 600	179 400 *	112 000	203 500 *	10.0
11.0	81.1	57.1	124 400	12 100	141 500 *	51 100	161 000 *	95 100	183 100 *	11.0
12.0	80.1	56.9	106 000	6 700	127 700 *	41 900	145 700 *	81 600	166 000 *	12.0
13.0	79.0	56.7	91 500	2 300	115 700	34 300	132 600 *	70 500	151 400 *	13.0
14.0	77.9	56.5	79 700		102 600	28 000	121 400 *	61 200	138 900 *	14.0
15.0	76.8	56.3	70 000		90 900	22 600	111 500 *	53 300	127 900 *	15.0
16.0	75.8	56.0	61 800		81 000	17 900	102 800 *	46 500	118 200 *	16.0
18.0	73.6	55.4	48 800		65 400	10 300	88 200	35 300	102 000 *	18.0
20.0	71.4	54.8	39 000		53 600	4 400	74 100	26 700	89 000 *	20.0
22.0	69.2	54.0	31 300		44 300		62 600	19 700	78 300 *	22.0
24.0	66.9	53.2	25 100		36 800		53 300	13 900	69 300 *	24.0
26.0	64.6	52.2	20 000		30 700		45 700	9 100	61 600 *	26.0
28.0	62.2	51.2	15 700		25 500		39 300	5 100	54 800	28.0
30.0	59.8	50.0	12 000		21 100		33 900	1 600	48 300	30.0
32.0	57.3	48.8	8 500		17 300		29 200		42 600	32.0
34.0	54.8	47.4			14 000		25 200		37 500	34.0
36.0	52.2	45.8			10 800 *		21 400		32 100 *	36.0
38.0	49.4	44.1			7 800 *		17 800 *		27 400 *	38.0
40.0	46.6	42.3					14 600 *		23 200 *	40.0
42.0	43.6	40.2					11 600 *		19 400 *	42.0
44.0	40.4	37.9					9 000 *		15 900 *	44.0
46.0	37.0	35.4					6 600 *		12 800 *	46.0



# Liftcrane Boom Capacities With Luffing Jib Attached

Meets  
ANSI B30.5  
Requirements

## MAX-ER 225 On 2250 or M-250

Boom No. 49A-44 With Heavy Lift Top  
Luffing Jib No. 133 or No. 133A  
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 Hanging Counterweight  
360 Degree Rating

**51.8m (170 Ft.) Luffing Jib**  
**168 Degree Boom to Luffing Jib Angle**

Boom Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	0 kg Hanging Counterweight	24 950 kg Hanging Counterweight		61 230 kg Hanging Counterweight		102 060 kg Hanging Counterweight		Boom 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	
<b>61.0m (200 Ft.) BOOM</b>										
10.4	82.6	63.4	136 700 *	17 700	151 600 *	59 900	172 300 *	107 500	195 600 *	10.4
11.0	82.0	63.3	125 400	13 500	141 600 *	52 800	161 200 *	97 100	183 100 *	11.0
12.0	81.1	63.1	106 900	8 000	127 800 *	43 400	145 800 *	83 500	166 100 *	12.0
13.0	80.1	62.9	92 300	3 400	116 000	35 800	132 800 *	72 200	151 500 *	13.0
14.0	79.1	62.8	80 500		103 400	29 300	121 500 *	62 700	139 000 *	14.0
15.0	78.2	62.5	70 700		91 600	23 800	111 700 *	54 700	128 000 *	15.0
16.0	77.2	62.3	62 500		81 700	19 000	103 000 *	47 800	118 300 *	16.0
18.0	75.3	61.8	49 500		66 000	11 300	88 500 *	36 500	102 200 *	18.0
20.0	73.3	61.2	39 600		54 100	5 300	74 700	27 700	89 200 *	20.0
22.0	71.3	60.5	31 800		44 800		63 100	20 600	78 400 *	22.0
24.0	69.3	59.8	25 600		37 300		53 800	14 800	69 400 *	24.0
26.0	67.3	58.9	20 400		31 100		46 200	9 900	61 800 *	26.0
28.0	65.2	58.0	16 100		25 900		39 700	5 800	55 100	28.0
30.0	63.1	57.0	12 400		21 500		34 300	2 300	48 700	30.0
32.0	61.0	55.9	9 100		17 700		29 600		43 000	32.0
34.0	58.8	54.7			14 400		25 500		38 000	34.0
36.0	56.5	53.4			11 400		21 900		33 700	36.0
38.0	54.2	52.0			8 300 *		18 400 *		29 700	38.0
40.0	51.9	50.4					15 100 *		25 600 *	40.0
42.0	49.4	48.7					12 100 *		21 700 *	42.0
44.0	46.8	46.9					9 500 *		18 200 *	44.0
46.0	44.2	44.9					7 000 *		14 900 *	46.0
48.0	41.3	42.6							12 000 *	48.0
50.0	38.4	40.2							9 300 *	50.0



# Liftcrane Boom Capacities With Luffing Jib Attached

Meets  
ANSI B30.5  
Requirements

# MAX-ER 225 On 2250 or M-250

Boom No. 49A-44 With Heavy Lift Top  
Luffing Jib No. 133 or No. 133A  
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 Hanging Counterweight  
360 Degree Rating

**51.8m (170 Ft.) Luffing Jib  
168 Degree Boom to Luffing Jib Angle**

Boom Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	24 950 kg Hanging Counterweight		61 230 kg Hanging Counterweight		102 060 kg Hanging Counterweight		Boom 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	
<b>67.1m (220 Ft.) BOOM</b>									
11.0	82.8	69.5	14 800	142 000 *	54 600	158 200 *	99 400	158 200 *	11.0
12.0	81.9	69.3	9 000	127 800 *	44 700	146 200 *	85 100	158 200 *	12.0
13.0	81.0	69.1	4 400	116 100 *	36 900	132 800 *	73 600	152 100 *	13.0
14.0	80.1	69.0	500	104 000	30 400	121 500 *	64 100	139 000 *	14.0
15.0	79.3	68.8		92 100	24 800	111 700 *	55 900	128 100 *	15.0
16.0	78.4	68.6		82 200	20 000	103 000 *	48 900	118 400 *	16.0
18.0	76.6	68.1		66 500	12 200	88 500 *	37 500	102 300 *	18.0
20.0	74.9	67.6		54 600	6 100	75 100	28 600	89 300 *	20.0
22.0	73.1	66.9		45 200		63 500	21 400	78 500 *	22.0
24.0	71.3	66.3		37 700		54 200	15 600	69 500 *	24.0
26.0	69.5	65.5		31 500		46 500	10 600	61 900 *	26.0
28.0	67.6	64.7		26 300		40 100	6 500	55 300	28.0
30.0	65.7	63.8		21 900		34 600	2 900	49 100	30.0
32.0	63.8	62.8		18 100		29 900		43 300	32.0
34.0	61.9	61.8		14 800		25 800		38 300	34.0
36.0	59.9	60.6		11 800		22 300		34 000	36.0
38.0	57.9	59.4		8 800 *		18 900		30 200	38.0
40.0	55.9	58.1		6 000 *		15 600 *		26 300 *	40.0
42.0	53.8	56.6				12 600 *		22 800 *	42.0
44.0	51.6	55.0				9 900 *		19 600 *	44.0
46.0	49.4	53.3				7 400 *		16 700 *	46.0
48.0	47.0	51.5						13 900 *	48.0
50.0	44.6	49.5						11 100 *	50.0
52.0	42.1	47.3						8 500 *	52.0
54.0	39.4	45.0						6 200 *	54.0





# Liftcrane Boom Capacities With Luffing Jib Attached

Meets  
ANSI B30.5  
Requirements

## MAX-ER 225 On 2250 or M-250

Boom No. 49A-44 With Heavy Lift Top  
Luffing Jib No. 133 or No. 133A  
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 Hanging Counterweight  
360 Degree Rating

**51.8m (170 Ft.) Luffing Jib**  
**168 Degree Boom to Luffing Jib Angle**

Boom Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	24 950 kg Hanging Counterweight		61 230 kg Hanging Counterweight		102 060 kg Hanging Counterweight		Boom 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	
<b>73.2m (240 Ft.) BOOM</b>									
11.6	82.9	75.5	12 200	133 300 *	49 700	146 800 *	92 000	146 800 *	11.6
12.0	82.6	75.5	9 900	127 900 *	46 000	144 300 *	86 600	146 800 *	12.0
13.0	81.8	75.3	5 200	116 100 *	38 000	132 800 *	75 000	146 600 *	13.0
14.0	81.0	75.2	1 300	104 400	31 400	121 500 *	65 300	139 200 *	14.0
15.0	80.2	75.0		92 500	25 700	111 700 *	57 100	128 100 *	15.0
16.0	79.4	74.8		82 600	20 800	103 100 *	49 900	118 500 *	16.0
18.0	77.8	74.4		66 800	12 900	88 600 *	38 400	102 300 *	18.0
20.0	76.2	73.9		54 900	6 700	75 500	29 400	89 300 *	20.0
22.0	74.5	73.3		45 500		63 800	22 100	78 600 *	22.0
24.0	72.9	72.7		38 000		54 500	16 200	69 600 *	24.0
26.0	71.3	72.0		31 800		46 800	11 200	61 900 *	26.0
28.0	69.6	71.3		26 500		40 400	7 000	55 400 *	28.0
30.0	67.9	70.5		22 100		34 900	3 400	49 300	30.0
32.0	66.2	69.6		18 300		30 200	300	43 600	32.0
34.0	64.4	68.7		15 000		26 100		38 600	34.0
36.0	62.7	67.6		12 100		22 500		34 200	36.0
38.0	60.9	66.5		9 200		19 300		30 300	38.0
40.0	59.1	65.3		6 300 *		16 000 *		26 900 *	40.0
42.0	57.2	64.1				13 000 *		23 200 *	42.0
44.0	55.3	62.7				10 300 *		20 000 *	44.0
46.0	53.4	61.2				7 800 *		17 100 *	46.0
48.0	51.4	59.6				5 500 *		14 400 *	48.0
50.0	49.3	57.9						12 000 *	50.0
52.0	47.2	56.1						9 800 *	52.0
54.0	45.0	54.1						7 600 *	54.0
56.0	42.7	52.0						5 400 *	56.0



# Liftcrane Boom Capacities With Luffing Jib Attached

Meets  
 ANSI B30.5  
 Requirements

## MAX-ER 225 On 2250 or M-250

Boom No. 49A-44 With Heavy Lift Top  
 Luffing Jib No. 133 or No. 133A  
 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 Hanging Counterweight  
 360 Degree Rating

### 51.8m (170 Ft.) Luffing Jib 168 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	61 230 kg Hanging Counterweight		102 060 kg Hanging Counterweight		Boom 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	
<b>79.2m (260 Ft.) BOOM</b>							
12.2	83.0	81.6	45 100	119 900 *	85 300	119 900 *	12.2
13.0	82.4	81.5	38 800	117 800 *	76 000	117 800 *	13.0
14.0	81.7	81.3	32 100	115 100 *	66 200	115 100 *	14.0
15.0	80.9	81.2	26 300	111 200 *	57 900	112 400 *	15.0
16.0	80.2	81.0	21 400	103 600 *	50 700	109 800 *	16.0
18.0	78.7	80.6	13 400	88 400 *	39 000	101 800 *	18.0
20.0	77.3	80.1	7 100	75 600	29 900	89 100 *	20.0
22.0	75.8	79.6	2 100	63 900	22 600	78 400 *	22.0
24.0	74.3	79.1		54 500	16 600	69 400 *	24.0
26.0	72.7	78.5		46 800	11 600	61 800 *	26.0
28.0	71.2	77.8		40 400	7 300	55 200 *	28.0
30.0	69.7	77.1		34 900	3 700	49 300	30.0
32.0	68.1	76.3		30 200	500	43 600	32.0
34.0	66.5	75.4		26 100		38 600	34.0
36.0	65.0	74.5		22 500		34 200	36.0
38.0	63.3	73.5		19 300		30 400	38.0
40.0	61.7	72.4		16 200 *		26 900	40.0
42.0	60.0	71.3		13 100 *		23 500 *	42.0
44.0	58.3	70.0		10 400 *		20 200 *	44.0
46.0	56.6	68.7		7 900 *		17 300 *	46.0
48.0	54.8	67.3		5 600 *		14 600 *	48.0
50.0	53.0	65.8				12 100 *	50.0
52.0	51.2	64.2				9 900 *	52.0
54.0	49.3	62.5				7 800 *	54.0
56.0	47.3	60.7				5 800 *	56.0



# Liftcrane Boom Capacities With Luffing Jib Attached

Meets  
ANSI B30.5  
Requirements

## MAX-ER 225 On 2250 or M-250

Boom No. 49A-44 With Heavy Lift Top  
Luffing Jib No. 133 or No. 133A  
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 Hanging Counterweight  
360 Degree Rating

### 51.8m (170 Ft.) Luffing Jib 168 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	61 230 kg Hanging Counterweight		102 060 kg Hanging Counterweight		Boom 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	
<b>85.3m (280 Ft.) BOOM</b>							
13.4	82.7	87.6	36 700	103 100 *	72 800	103 100 *	13.4
14.0	82.3	87.5	32 900	101 700 *	67 200	101 700 *	14.0
15.0	81.6	87.3	27 100	99 300 *	58 800	99 300 *	15.0
16.0	80.9	87.2	22 100	96 900 *	51 500	96 900 *	16.0
18.0	79.5	86.8	14 000	88 500 *	39 700	92 200 *	18.0
20.0	78.2	86.4	7 600	75 800	30 500	87 500 *	20.0
22.0	76.8	85.9	2 500	64 100	23 100	78 600 *	22.0
24.0	75.4	85.4		54 700	17 000	69 400 *	24.0
26.0	74.0	84.8		47 000	12 000	61 800 *	26.0
28.0	72.6	84.2		40 500	7 700	55 200 *	28.0
30.0	71.2	83.5		35 100	4 000	49 300	30.0
32.0	69.8	82.8		30 300	800	43 700	32.0
34.0	68.3	82.0		26 200		38 700	34.0
36.0	66.9	81.2		22 600		34 300	36.0
38.0	65.4	80.3		19 400		30 500	38.0
40.0	63.9	79.3		16 400 *		27 000	40.0
42.0	62.4	78.3		13 300 *		23 700 *	42.0
44.0	60.8	77.1		10 600 *		20 400 *	44.0
46.0	59.3	76.0		8 100 *		17 500 *	46.0
48.0	57.7	74.7		5 800 *		14 800 *	48.0
50.0	56.1	73.4				12 300 *	50.0
52.0	54.4	72.0				10 000 *	52.0
54.0	52.8	70.5				7 900 *	54.0
56.0	51.0	68.9				6 000 *	56.0



# Liftcrane Boom Capacities With Luffing Jib Attached

Meets  
ANSI B30.5  
Requirements

## MAX-ER 225 On 2250 or M-250

Boom No. 49A-44 With Heavy Lift Top  
Luffing Jib No. 133 or No. 133A  
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 Hanging Counterweight  
360 Degree Rating

### 51.8m (170 Ft.) Luffing Jib 168 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	102 060 kg Hanging Counterweight	
			Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms
<b>91.4m (300 Ft.) BOOM</b>				
16.8	81.0	93.2	47 100	71 300 *
18.0	80.3	93.0	40 200	69 100 *
20.0	79.0	92.6	30 800	65 600 *
22.0	77.7	92.2	23 300	62 100 *
24.0	76.4	91.7	17 200	58 700 *
26.0	75.1	91.2	12 100	55 300 *
28.0	73.8	90.6	7 800	52 000 *
30.0	72.5	90.0	4 100	48 700
32.0	71.2	89.3	800	43 600
34.0	69.8	88.6		38 600
36.0	68.5	87.8		34 200
38.0	67.1	87.0		30 300
40.0	65.8	86.1		26 900
42.0	64.4	85.1		23 700
44.0	63.0	84.1		20 400 *
46.0	61.5	83.0		17 400 *
48.0	60.1	81.9		14 700 *
50.0	58.6	80.7		12 200 *
52.0	57.1	79.4		10 000 *
54.0	55.6	78.0		7 800 *
56.0	54.1	76.6		5 900 *



# Liftcrane Boom Capacities With Luffing Jib Attached

Meets  
ANSI B30.5  
Requirements

## MAX-ER 225 On 2250 or M-250

Boom No. 49A-44 With Heavy Lift Top  
Luffing Jib No. 133 or No. 133A  
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 Hanging Counterweight  
360 Degree Rating

**54.9m (180 Ft.) Luffing Jib**  
**168 Degree Boom to Luffing Jib Angle**

Boom Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	0 kg Hanging Counterweight	24 950 kg Hanging Counterweight		61 230 kg Hanging Counterweight		102 060 kg Hanging Counterweight		Boom 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	
<b>42.7m (140 Ft.) BOOM</b>										
7.9	82.7	45.3	184 300 *	34 400	203 600 *	91 600	217 700 *	156 000	217 700 *	7.9
8.0	82.6	45.3	182 600 *	33 500	201 600 *	90 100	217 100 *	153 800	217 700 *	8.0
8.5	82.0	45.2	170 700 *	27 800	188 700 *	80 200	212 900 *	139 300	217 700 *	8.5
9.0	81.3	45.1	160 000 *	22 900	177 100 *	71 700	201 900 *	126 800	217 700 *	9.0
10.0	79.9	44.9	141 600 *	14 800	157 300 *	57 800	178 700 *	106 300	203 500 *	10.0
11.0	78.5	44.7	121 200	8 500	141 000 *	46 900	160 500 *	90 200	182 500 *	11.0
12.0	77.2	44.5	103 100	3 400	127 200 *	38 100	145 200 *	77 200	165 400 *	12.0
13.0	75.8	44.2	88 800		114 400	30 800	132 100 *	66 500	150 900 *	13.0
14.0	74.4	43.9	77 200		100 100	24 700	120 800 *	57 500	138 300 *	14.0
15.0	73.0	43.6	67 700		88 600	19 500	110 900 *	49 800	127 300 *	15.0
16.0	71.5	43.2	59 600		78 800	15 000	102 200 *	43 200	117 600 *	16.0
18.0	68.7	42.5	46 800		63 400	7 700	86 600	32 500	101 400 *	18.0
20.0	65.7	41.6	37 200		51 800		72 300	24 000	88 400 *	20.0
22.0	62.7	40.6	29 600		42 600		60 800	17 300	77 600 *	22.0
24.0	59.6	39.4	23 400		35 200		51 700	11 700	67 800 *	24.0
26.0	56.4	38.1	18 400		29 100		44 200	7 100	57 900 *	26.0
28.0	53.1	36.6	14 200		24 000		37 900	3 100	49 500 *	28.0
30.0	49.6	35.0	10 400		19 700		32 500		42 200 *	30.0
32.0	45.9	33.1	6 800 *		16 000		27 900		35 900 *	32.0
34.0	41.9	30.9			12 600 *		23 800		30 300 *	34.0
36.0	37.6	28.4			9 200 *		19 800 *		25 300 *	36.0



# Liftcrane Boom Capacities With Luffing Jib Attached

Meets  
ANSI B30.5  
Requirements

# MAX-ER 225 On 2250 or M-250

Boom No. 49A-44 With Heavy Lift Top  
Luffing Jib No. 133 or No. 133A  
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 Hanging Counterweight  
360 Degree Rating

**54.9m (180 Ft.) Luffing Jib**  
**168 Degree Boom to Luffing Jib Angle**

Boom Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	0 kg Hanging Counterweight	24 950 kg Hanging Counterweight		61 230 kg Hanging Counterweight		102 060 kg Hanging Counterweight		Boom 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	
<b>48.8m (160 Ft.) BOOM</b>										
8.5	82.9	51.3	170 000 *	29 100	187 900 *	81 700	212 700 *	140 900	217 700 *	8.5
9.0	82.4	51.3	160 300 *	24 600	177 400 *	73 900	201 100 *	129 500	217 700 *	9.0
10.0	81.2	51.1	142 000 *	16 300	157 500 *	59 700	178 900 *	108 500	203 700 *	10.0
11.0	80.0	50.9	122 300	9 900	141 200 *	48 600	160 700 *	92 200	182 700 *	11.0
12.0	78.8	50.7	104 100	4 700	127 400 *	39 700	145 400 *	79 000	165 700 *	12.0
13.0	77.6	50.5	89 800		115 200	32 300	132 400 *	68 200	151 100 *	13.0
14.0	76.4	50.2	78 200		101 100	26 100	121 100 *	59 100	138 600 *	14.0
15.0	75.2	50.0	68 600		89 500	20 900	111 300 *	51 400	127 700 *	15.0
16.0	73.9	49.7	60 500		79 700	16 300	102 600 *	44 700	118 000 *	16.0
18.0	71.5	49.0	47 700		64 300	8 900	87 400	33 800	101 800 *	18.0
20.0	68.9	48.2	38 000		52 600	3 200	73 100	25 400	88 800 *	20.0
22.0	66.4	47.4	30 400		43 400		61 700	18 500	78 100 *	22.0
24.0	63.8	46.4	24 300		36 000		52 500	12 900	69 100 *	24.0
26.0	61.1	45.3	19 200		29 900		44 900	8 200	61 400	26.0
28.0	58.3	44.1	15 000		24 800		38 600	4 200	54 100	28.0
30.0	55.5	42.7	11 400		20 500		33 300	800	46 600 *	30.0
32.0	52.6	41.2	7 800 *		16 800		28 700		40 000 *	32.0
34.0	49.5	39.5			13 500		24 600		34 300 *	34.0
36.0	46.3	37.7			10 200 *		20 900 *		29 200 *	36.0
38.0	42.9	35.6			7 200 *		17 300 *		24 600 *	38.0
40.0	39.2	33.2					14 000 *		20 500 *	40.0
42.0	35.2	30.4					11 100 *		16 700 *	42.0



# Liftcrane Boom Capacities With Luffing Jib Attached

Meets  
ANSI B30.5  
Requirements

## MAX-ER 225 On 2250 or M-250

Boom No. 49A-44 With Heavy Lift Top  
Luffing Jib No. 133 or No. 133A  
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 Hanging Counterweight  
360 Degree Rating

### 54.9m (180 Ft.) Luffing Jib 168 Degree Boom to Luffing Jib Angle

Boom Oper. Meters	Boom Rad. Deg.	Boom Point Elev. Meters	0 kg Hanging Counterweight	24 950 kg Hanging Counterweight		61 230 kg Hanging Counterweight		102 060 kg Hanging Counterweight		Boom 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	
<b>54.9m (180 Ft.) BOOM</b>										
9.8	82.4	57.3	145 100 *	18 700	161 000 *	63 700	182 900 *	114 500	207 600 *	9.8
10.0	82.2	57.3	141 100 *	16 900	156 700 *	60 600	178 100 *	110 000	202 200 *	10.0
11.0	81.1	57.1	122 600	10 200	140 200 *	49 200	159 800 *	93 200	181 700 *	11.0
12.0	80.1	56.9	104 300	4 800	126 400 *	40 000	144 400 *	79 700	164 700 *	12.0
13.0	79.0	56.7	89 900		114 400	32 500	131 400 *	68 700	150 200 *	13.0
14.0	77.9	56.5	78 200		101 100	26 200	120 100 *	59 400	137 600 *	14.0
15.0	76.8	56.3	68 500		89 400	20 800	110 300 *	51 600	126 700 *	15.0
16.0	75.8	56.0	60 400		79 600	16 200	101 600 *	44 700	117 000 *	16.0
18.0	73.6	55.4	47 400		64 000	8 700	86 900	33 700	100 900 *	18.0
20.0	71.4	54.8	37 700		52 300		72 700	25 000	87 900 *	20.0
22.0	69.2	54.0	30 000		43 000		61 300	18 100	77 100 *	22.0
24.0	66.9	53.2	23 800		35 600		52 000	12 400	68 100 *	24.0
26.0	64.6	52.2	18 700		29 400		44 400	7 600	60 500 *	26.0
28.0	62.2	51.2	14 500		24 300		38 100	3 600	53 700	28.0
30.0	59.8	50.0	10 700		19 900		32 700		47 100	30.0
32.0	57.3	48.8	7 000 *		16 200		28 000		41 400	32.0
34.0	54.8	47.4			12 700 *		23 900		36 000 *	34.0
36.0	52.2	45.8			9 300 *		20 000 *		30 700 *	36.0
38.0	49.4	44.1			6 300 *		16 300 *		26 000 *	38.0
40.0	46.6	42.3					13 100 *		21 800 *	40.0
42.0	43.6	40.2					10 200 *		18 000 *	42.0
44.0	40.4	37.9					7 500 *		14 500 *	44.0
46.0	37.0	35.4							11 300 *	46.0



# Liftcrane Boom Capacities With Luffing Jib Attached

Meets  
ANSI B30.5  
Requirements

## MAX-ER 225 On 2250 or M-250

Boom No. 49A-44 With Heavy Lift Top  
Luffing Jib No. 133 or No. 133A  
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 Hanging Counterweight  
360 Degree Rating

**54.9m (180 Ft.) Luffing Jib**  
**168 Degree Boom to Luffing Jib Angle**

Boom Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	0 kg Hanging Counterweight	24 950 kg Hanging Counterweight		61 230 kg Hanging Counterweight		102 060 kg Hanging Counterweight		Boom 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	
<b>61.0m (200 Ft.) BOOM</b>										
10.4	82.6	63.4	135 400 *	15 800	150 400 *	58 000	171 000 *	105 600	194 400 *	10.4
11.0	82.0	63.3	123 700	11 600	140 300 *	51 000	159 900 *	95 300	181 900 *	11.0
12.0	81.1	63.1	105 300	6 200	126 600 *	41 700	144 600 *	81 700	164 900 *	12.0
13.0	80.1	62.9	90 800	1 700	114 700	34 000	131 500 *	70 400	150 400 *	13.0
14.0	79.1	62.8	79 000		101 900	27 600	120 300 *	61 000	137 800 *	14.0
15.0	78.2	62.5	69 300		90 200	22 100	110 500 *	53 000	126 900 *	15.0
16.0	77.2	62.3	61 100		80 300	17 400	101 800 *	46 100	117 200 *	16.0
18.0	75.3	61.8	48 100		64 700	9 700	87 300 *	34 900	101 100 *	18.0
20.0	73.3	61.2	38 300		52 900	3 700	73 400	26 100	88 000 *	20.0
22.0	71.3	60.5	30 600		43 600		61 800	19 100	77 300 *	22.0
24.0	69.3	59.8	24 400		36 100		52 600	13 300	68 400 *	24.0
26.0	67.3	58.9	19 200		29 900		45 000	8 500	60 700 *	26.0
28.0	65.2	58.0	15 000		24 800		38 600	4 300	54 000	28.0
30.0	63.1	57.0	11 300		20 400		33 100	800	47 500	30.0
32.0	61.0	55.9	7 600 *		16 600		28 500		41 900	32.0
34.0	58.8	54.7			13 300		24 400		36 900	34.0
36.0	56.5	53.4			9 900 *		20 600 *		32 500	36.0
38.0	54.2	52.0			6 900 *		16 900 *		28 300 *	38.0
40.0	51.9	50.4					13 700 *		24 200 *	40.0
42.0	49.4	48.7					10 700 *		20 300 *	42.0
44.0	46.8	46.9					8 000 *		16 800 *	44.0
46.0	44.2	44.9							13 600 *	46.0
48.0	41.3	42.6							10 600 *	48.0
50.0	38.4	40.2							7 900 *	50.0





# Liftcrane Boom Capacities With Luffing Jib Attached

Meets  
ANSI B30.5  
Requirements

## MAX-ER 225 On 2250 or M-250

Boom No. 49A-44 With Heavy Lift Top  
Luffing Jib No. 133 or No. 133A  
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 Hanging Counterweight  
360 Degree Rating

### 54.9m (180 Ft.) Luffing Jib 168 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	24 950 kg Hanging Counterweight		61 230 kg Hanging Counterweight		102 060 kg Hanging Counterweight		Boom 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	
<b>67.1m (220 Ft.) BOOM</b>									
11.0	82.8	69.5	13 000	140 700 *	52 700	156 800 *	97 600	156 800 *	11.0
12.0	81.9	69.3	7 200	126 600 *	43 000	145 000 *	83 300	156 800 *	12.0
13.0	81.0	69.1	2 700	114 900	35 300	131 600 *	72 000	151 000 *	13.0
14.0	80.1	69.0		102 500	28 700	120 400 *	62 400	137 900 *	14.0
15.0	79.3	68.8		90 800	23 200	110 600 *	54 300	126 900 *	15.0
16.0	78.4	68.6		80 900	18 400	101 900 *	47 300	117 300 *	16.0
18.0	76.6	68.1		65 200	10 700	87 400 *	35 900	101 200 *	18.0
20.0	74.9	67.6		53 400	4 600	73 900	27 100	88 200 *	20.0
22.0	73.1	66.9		44 000		62 300	20 000	77 500 *	22.0
24.0	71.3	66.3		36 500		53 000	14 100	68 500 *	24.0
26.0	69.5	65.5		30 400		45 400	9 200	60 900 *	26.0
28.0	67.6	64.7		25 200		39 000	5 100	54 200	28.0
30.0	65.7	63.8		20 800		33 600	1 500	48 000	30.0
32.0	63.8	62.8		17 000		28 900		42 200	32.0
34.0	61.9	61.8		13 700		24 800		37 300	34.0
36.0	59.9	60.6		10 500 *		21 100		32 900	36.0
38.0	57.9	59.4		7 400 *		17 500 *		28 900	38.0
40.0	55.9	58.1				14 200 *		25 000 *	40.0
42.0	53.8	56.6				11 200 *		21 500 *	42.0
44.0	51.6	55.0				8 500 *		18 300 *	44.0
46.0	49.4	53.3				6 100 *		15 400 *	46.0
48.0	47.0	51.5						12 600 *	48.0
50.0	44.6	49.5						9 800 *	50.0
52.0	42.1	47.3						7 300 *	52.0



# Liftcrane Boom Capacities With Luffing Jib Attached

Meets  
ANSI B30.5  
Requirements

# MAX-ER 225 On 2250 or M-250

Boom No. 49A-44 With Heavy Lift Top  
Luffing Jib No. 133 or No. 133A  
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 Hanging Counterweight  
360 Degree Rating

**54.9m (180 Ft.) Luffing Jib  
168 Degree Boom to Luffing Jib Angle**

Boom Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	24 950 kg Hanging Counterweight		61 230 kg Hanging Counterweight		102 060 kg Hanging Counterweight		Boom 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	
<b>73.2m (240 Ft.) BOOM</b>									
11.6	82.9	75.5	10 400	132 100 *	48 000	145 100 *	90 400	145 100 *	11.6
12.0	82.6	75.5	8 300	126 800 *	44 300	143 000 *	84 900	145 100 *	12.0
13.0	81.8	75.3	3 600	115 000 *	36 400	131 700 *	73 300	145 100 *	13.0
14.0	81.0	75.2		103 000	29 700	120 400 *	63 700	137 900 *	14.0
15.0	80.2	75.0		91 200	24 200	110 600 *	55 500	127 000 *	15.0
16.0	79.4	74.8		81 300	19 300	102 000 *	48 400	117 400 *	16.0
18.0	77.8	74.4		65 600	11 400	87 500 *	36 900	101 300 *	18.0
20.0	76.2	73.9		53 700	5 300	74 300	27 900	88 300 *	20.0
22.0	74.5	73.3		44 400		62 600	20 700	77 600 *	22.0
24.0	72.9	72.7		36 800		53 400	14 800	68 600 *	24.0
26.0	71.3	72.0		30 700		45 700	9 900	60 900 *	26.0
28.0	69.6	71.3		25 500		39 300	5 700	54 400	28.0
30.0	67.9	70.5		21 000		33 800	2 100	48 300	30.0
32.0	66.2	69.6		17 300		29 100		42 500	32.0
34.0	64.4	68.7		13 900		25 100		37 500	34.0
36.0	62.7	67.6		10 900		21 500		33 200	36.0
38.0	60.9	66.5		7 900 *		18 000		29 300	38.0
40.0	59.1	65.3				14 700 *		25 500 *	40.0
42.0	57.2	64.1				11 700 *		21 900 *	42.0
44.0	55.3	62.7				9 000 *		18 800 *	44.0
46.0	53.4	61.2				6 500 *		15 800 *	46.0
48.0	51.4	59.6						13 200 *	48.0
50.0	49.3	57.9						10 800 *	50.0
52.0	47.2	56.1						8 500 *	52.0
54.0	45.0	54.1						6 400 *	54.0



# Liftcrane Boom Capacities With Luffing Jib Attached

Meets  
ANSI B30.5  
Requirements

## MAX-ER 225 On 2250 or M-250

Boom No. 49A-44 With Heavy Lift Top  
Luffing Jib No. 133 or No. 133A  
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 Hanging Counterweight  
360 Degree Rating

### 54.9m (180 Ft.) Luffing Jib 168 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	61 230 kg Hanging Counterweight		102 060 kg Hanging Counterweight		Boom 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	
<b>79.2m (260 Ft.) BOOM</b>							
12.2	83.0	81.6	43 500	118 900 *	83 600	118 900 *	12.2
13.0	82.4	81.5	37 200	116 700 *	74 400	116 700 *	13.0
14.0	81.7	81.3	30 500	114 000 *	64 600	114 000 *	14.0
15.0	80.9	81.2	24 800	110 200 *	56 300	111 400 *	15.0
16.0	80.2	81.0	19 900	102 500 *	49 200	108 800 *	16.0
18.0	78.7	80.6	11 900	87 400 *	37 600	100 800 *	18.0
20.0	77.3	80.1	5 700	74 400	28 500	88 100 *	20.0
22.0	75.8	79.6		62 800	21 200	77 400 *	22.0
24.0	74.3	79.1		53 500	15 200	68 400 *	24.0
26.0	72.7	78.5		45 800	10 200	60 900 *	26.0
28.0	71.2	77.8		39 400	6 000	54 300 *	28.0
30.0	69.7	77.1		33 900	2 400	48 300	30.0
32.0	68.1	76.3		29 200		42 600	32.0
34.0	66.5	75.4		25 100		37 600	34.0
36.0	65.0	74.5		21 500		33 200	36.0
38.0	63.3	73.5		18 200		29 400	38.0
40.0	61.7	72.4		14 900 *		25 800 *	40.0
42.0	60.0	71.3		11 900 *		22 200 *	42.0
44.0	58.3	70.0		9 100 *		19 000 *	44.0
46.0	56.6	68.7		6 700 *		16 000 *	46.0
48.0	54.8	67.3				13 300 *	48.0
50.0	53.0	65.8				10 900 *	50.0
52.0	51.2	64.2				8 600 *	52.0
54.0	49.3	62.5				6 600 *	54.0



# Liftcrane Boom Capacities With Luffing Jib Attached

Meets  
ANSI B30.5  
Requirements

# MAX-ER 225 On 2250 or M-250

Boom No. 49A-44 With Heavy Lift Top  
Luffing Jib No. 133 or No. 133A  
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 Hanging Counterweight  
360 Degree Rating

**54.9m (180 Ft.) Luffing Jib  
168 Degree Boom to Luffing Jib Angle**

Boom Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	102 060 kg Hanging Counterweight	
			Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms
<b>85.3m (280 Ft.) BOOM</b>				
13.4	82.7	87.6	71 300	102 000 *
14.0	82.3	87.5	65 700	100 600 *
15.0	81.6	87.3	57 300	98 200 *
16.0	80.9	87.2	50 100	95 800 *
18.0	79.5	86.8	38 300	91 200 *
20.0	78.2	86.4	29 200	86 400 *
22.0	76.8	85.9	21 800	77 700 *
24.0	75.4	85.4	15 700	68 400 *
26.0	74.0	84.8	10 700	60 800 *
28.0	72.6	84.2	6 400	54 200 *
30.0	71.2	83.5	2 700	48 400
32.0	69.8	82.8		42 700
34.0	68.3	82.0		37 800
36.0	66.9	81.2		33 400
38.0	65.4	80.3		29 500
40.0	63.9	79.3		26 000
42.0	62.4	78.3		22 500 *
44.0	60.8	77.1		19 200 *
46.0	59.3	76.0		16 300 *
48.0	57.7	74.7		13 600 *
50.0	56.1	73.4		11 100 *
52.0	54.4	72.0		8 900 *
54.0	52.8	70.5		6 800 *

**54.9m (180 Ft.) Luffing Jib  
168 Degree Boom to Luffing Jib Angle**

Boom Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	102 060 kg Hanging Counterweight	
			Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms
<b>91.4m (300 Ft.) BOOM</b>				
16.8	81.0	93.2	45 700	70 300 *
18.0	80.3	93.0	38 800	68 100 *
20.0	79.0	92.6	29 500	64 600 *
22.0	77.7	92.2	22 000	61 100 *
24.0	76.4	91.7	15 900	57 600 *
26.0	75.1	91.2	10 800	54 300 *
28.0	73.8	90.6	6 500	51 000 *
30.0	72.5	90.0	2 800	47 700
32.0	71.2	89.3		42 600
34.0	69.8	88.6		37 600
36.0	68.5	87.8		33 200
38.0	67.1	87.0		29 400
40.0	65.8	86.1		25 900
42.0	64.4	85.1		22 500 *
44.0	63.0	84.1		19 200 *
46.0	61.5	83.0		16 200 *
48.0	60.1	81.9		13 600 *
50.0	58.6	80.7		11 000 *
52.0	57.1	79.4		8 800 *
54.0	55.6	78.0		6 700 *



# Liftcrane Boom Capacities With Luffing Jib Attached

Meets  
ANSI B30.5  
Requirements

## MAX-ER 225 On 2250 or M-250

Boom No. 49A-44 With Heavy Lift Top  
Luffing Jib No. 133 or No. 133A  
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 Hanging Counterweight  
360 Degree Rating

**57.9m (190 Ft.) Luffing Jib**  
**168 Degree Boom to Luffing Jib Angle**

Boom Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	0 kg Hanging Counterweight	24 950 kg Hanging Counterweight		61 230 kg Hanging Counterweight		102 060 kg Hanging Counterweight		Boom 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	
<b>42.7m (140 Ft.) BOOM</b>										
7.9	82.7	45.3	182 900 *	32 000	202 100 *	89 200	217 700 *	153 600	217 700 *	7.9
8.0	82.6	45.3	181 100 *	31 100	200 200 *	87 700	216 900 *	151 500	217 700 *	8.0
8.5	82.0	45.2	169 200 *	25 500	187 300 *	77 900	211 600 *	137 000	217 700 *	8.5
9.0	81.3	45.1	158 600 *	20 600	175 700 *	69 400	200 300 *	124 500	217 700 *	9.0
10.0	79.9	44.9	140 000 *	12 700	155 900 *	55 700	177 300 *	104 200	202 000 *	10.0
11.0	78.5	44.7	119 300	6 400	139 600 *	44 900	159 200 *	88 100	181 200 *	11.0
12.0	77.2	44.5	101 300	1 400	125 800 *	36 100	143 900 *	75 200	164 100 *	12.0
13.0	75.8	44.2	87 100		112 700	28 900	130 800 *	64 600	149 600 *	13.0
14.0	74.4	43.9	75 600		98 500	22 800	119 500 *	55 600	137 000 *	14.0
15.0	73.0	43.6	66 100		87 000	17 600	109 700 *	48 000	126 100 *	15.0
16.0	71.5	43.2	58 100		77 300	13 200	101 000 *	41 400	116 400 *	16.0
18.0	68.7	42.5	45 400		62 000	6 000	85 300	30 700	100 200 *	18.0
20.0	65.7	41.6	35 800		50 400		70 900	22 300	87 200 *	20.0
22.0	62.7	40.6	28 200		41 200		59 500	15 600	76 500 *	22.0
24.0	59.6	39.4	22 200		33 900		50 400	10 100	66 300 *	24.0
26.0	56.4	38.1	17 200		27 900		42 900	5 400	56 300 *	26.0
28.0	53.1	36.6	12 900		22 800		36 600		47 900 *	28.0
30.0	49.6	35.0	8 900 *		18 500		31 300		40 700 *	30.0
32.0	45.9	33.1	5 300 *		14 800		26 700		34 300 *	32.0
34.0	41.9	30.9			11 000 *		22 300 *		28 800 *	34.0
36.0	37.6	28.4			7 700 *		18 300 *		23 800 *	36.0



# Liftcrane Boom Capacities With Luffing Jib Attached

Meets  
ANSI B30.5  
Requirements

# MAX-ER 225 On 2250 or M-250

Boom No. 49A-44 With Heavy Lift Top  
Luffing Jib No. 133 or No. 133A  
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 Hanging Counterweight  
360 Degree Rating

**57.9m (190 Ft.) Luffing Jib**  
**168 Degree Boom to Luffing Jib Angle**

Boom Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	0 kg Hanging Counterweight	24 950 kg Hanging Counterweight		61 230 kg Hanging Counterweight		102 060 kg Hanging Counterweight		Boom 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	
<b>48.8m (160 Ft.) BOOM</b>										
8.5	82.9	51.3	168 600 *	26 900	186 500 *	79 500	211 400 *	138 700	217 700 *	8.5
9.0	82.4	51.3	159 000 *	22 400	176 000 *	71 700	199 700 *	127 300	217 700 *	9.0
10.0	81.2	51.1	140 600	14 300	156 200 *	57 600	177 600 *	106 400	202 200 *	10.0
11.0	80.0	50.9	120 500	8 000	139 900 *	46 600	159 500 *	90 300	181 500 *	11.0
12.0	78.8	50.7	102 400	2 800	126 200 *	37 800	144 200 *	77 200	164 400 *	12.0
13.0	77.6	50.5	88 200		113 800	30 400	131 100 *	66 400	149 900 *	13.0
14.0	76.4	50.2	76 700		99 500	24 300	119 900 *	57 300	137 400 *	14.0
15.0	75.2	50.0	67 100		88 000	19 100	110 100 *	49 600	126 500 *	15.0
16.0	73.9	49.7	59 100		78 300	14 600	101 400 *	43 000	116 800 *	16.0
18.0	71.5	49.0	46 300		62 900	7 300	86 100	32 200	100 700 *	18.0
20.0	68.9	48.2	36 700		51 300		71 800	23 700	87 700 *	20.0
22.0	66.4	47.4	29 100		42 100		60 400	16 900	77 000 *	22.0
24.0	63.8	46.4	23 000		34 800		51 300	11 400	68 000 *	24.0
26.0	61.1	45.3	18 000		28 700		43 800	6 700	60 400 *	26.0
28.0	58.3	44.1	13 800		23 700		37 500	2 700	52 700 *	28.0
30.0	55.5	42.7	10 000		19 400		32 100		45 100 *	30.0
32.0	52.6	41.2	6 400 *		15 700		27 500		38 600 *	32.0
34.0	49.5	39.5			12 100 *		23 500		32 900 *	34.0
36.0	46.3	37.7			8 800 *		19 400 *		27 800 *	36.0
38.0	42.9	35.6			5 800 *		15 900 *		23 200 *	38.0
40.0	39.2	33.2					12 700 *		19 100 *	40.0
42.0	35.2	30.4					9 800 *		15 400 *	42.0



# Liftcrane Boom Capacities With Luffing Jib Attached

Meets  
ANSI B30.5  
Requirements

## MAX-ER 225 On 2250 or M-250

Boom No. 49A-44 With Heavy Lift Top  
Luffing Jib No. 133 or No. 133A  
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 Hanging Counterweight  
360 Degree Rating

**57.9m (190 Ft.) Luffing Jib**  
**168 Degree Boom to Luffing Jib Angle**

Boom Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	0 kg Hanging Counterweight	24 950 kg Hanging Counterweight		61 230 kg Hanging Counterweight		102 060 kg Hanging Counterweight		Boom 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	
<b>54.9m (180 Ft.) BOOM</b>										
9.8	82.4	57.3	143 900 *	16 700	159 800 *	61 700	181 700 *	112 500	206 300 *	9.8
10.0	82.2	57.3	139 900 *	14 900	155 400 *	58 700	176 800 *	108 000	200 900 *	10.0
11.0	81.1	57.1	120 900	8 300	138 900 *	47 300	158 500 *	91 300	180 500 *	11.0
12.0	80.1	56.9	102 700	3 000	125 200 *	38 200	143 200 *	77 900	163 500 *	12.0
13.0	79.0	56.7	88 400		113 200	30 800	130 200 *	66 900	149 000 *	13.0
14.0	77.9	56.5	76 700		99 600	24 500	119 000 *	57 700	136 500 *	14.0
15.0	76.8	56.3	67 100		88 000	19 200	109 200 *	49 900	125 600 *	15.0
16.0	75.8	56.0	59 000		78 200	14 600	100 500 *	43 100	115 900 *	16.0
18.0	73.6	55.4	46 200		62 800	7 100	85 700	32 100	99 800 *	18.0
20.0	71.4	54.8	36 500		51 000		71 500	23 500	86 800 *	20.0
22.0	69.2	54.0	28 800		41 800		60 100	16 600	76 100 *	22.0
24.0	66.9	53.2	22 700		34 400		50 900	10 900	67 100 *	24.0
26.0	64.6	52.2	17 600		28 300		43 400	6 200	59 500	26.0
28.0	62.2	51.2	13 300		23 200		37 000	2 200	52 600	28.0
30.0	59.8	50.0	9 300 *		18 900		31 600		46 000	30.0
32.0	57.3	48.8	5 600 *		15 100		27 000		40 300	32.0
34.0	54.8	47.4			11 300 *		22 700 *		34 600 *	34.0
36.0	52.2	45.8			8 000 *		18 600 *		29 300 *	36.0
38.0	49.4	44.1			4 900 *		15 000 *		24 700 *	38.0
40.0	46.6	42.3					11 800 *		20 500 *	40.0
42.0	43.6	40.2					8 900 *		16 700 *	42.0
44.0	40.4	37.9					6 300 *		13 200 *	44.0
46.0	37.0	35.4							10 000 *	46.0



# Liftcrane Boom Capacities With Luffing Jib Attached

Meets  
ANSI B30.5  
Requirements

# MAX-ER 225 On 2250 or M-250

Boom No. 49A-44 With Heavy Lift Top  
Luffing Jib No. 133 or No. 133A  
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 Hanging Counterweight  
360 Degree Rating

**57.9m (190 Ft.) Luffing Jib**  
**168 Degree Boom to Luffing Jib Angle**

Boom Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	0 kg Hanging Counterweight	24 950 kg Hanging Counterweight		61 230 kg Hanging Counterweight		102 060 kg Hanging Counterweight		Boom 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	
<b>61.0m (200 Ft.) BOOM</b>										
10.4	82.6	63.4	134 200 *	13 900	149 100 *	56 200	169 900 *	103 700	193 100 *	10.4
11.0	82.0	63.3	122 000	9 900	139 200 *	49 200	158 700 *	93 500	180 700 *	11.0
12.0	81.1	63.1	103 700	4 400	125 400 *	39 900	143 400 *	79 900	163 700 *	12.0
13.0	80.1	62.9	89 300		113 500	32 300	130 400 *	68 700	149 200 *	13.0
14.0	79.1	62.8	77 600		100 500	26 000	119 200 *	59 400	136 700 *	14.0
15.0	78.2	62.5	68 000		88 900	20 500	109 400 *	51 400	125 800 *	15.0
16.0	77.2	62.3	59 800		79 000	15 900	100 700 *	44 600	116 200 *	16.0
18.0	75.3	61.8	46 900		63 500	8 200	86 300	33 400	100 000 *	18.0
20.0	73.3	61.2	37 100		51 700		72 200	24 700	87 100 *	20.0
22.0	71.3	60.5	29 500		42 400		60 700	17 700	76 300 *	22.0
24.0	69.3	59.8	23 300		35 000		51 500	11 900	67 400 *	24.0
26.0	67.3	58.9	18 200		28 900		43 900	7 100	59 800 *	26.0
28.0	65.2	58.0	13 900		23 700		37 500	3 000	53 000	28.0
30.0	63.1	57.0	10 100		19 300		32 100		46 500	30.0
32.0	61.0	55.9	6 300 *		15 600		27 500		40 800	32.0
34.0	58.8	54.7			12 100 *		23 400		35 900	34.0
36.0	56.5	53.4			8 600 *		19 300 *		31 400 *	36.0
38.0	54.2	52.0			5 600 *		15 700 *		27 100 *	38.0
40.0	51.9	50.4					12 400 *		23 000 *	40.0
42.0	49.4	48.7					9 500 *		19 100 *	42.0
44.0	46.8	46.9					6 800 *		15 600 *	44.0
46.0	44.2	44.9							12 400 *	46.0
48.0	41.3	42.6							9 400 *	48.0
50.0	38.4	40.2							6 700 *	50.0





# Liftcrane Boom Capacities With Luffing Jib Attached

Meets  
ANSI B30.5  
Requirements

## MAX-ER 225 On 2250 or M-250

Boom No. 49A-44 With Heavy Lift Top  
Luffing Jib No. 133 or No. 133A  
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 Hanging Counterweight  
360 Degree Rating

### 57.9m (190 Ft.) Luffing Jib 168 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	24 950 kg Hanging Counterweight		61 230 kg Hanging Counterweight		102 060 kg Hanging Counterweight		Boom 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	
<b>67.1m (220 Ft.) BOOM</b>									
11.0	82.8	69.5	11 200	139 600 *	51 000	155 600 *	95 800	155 600 *	11.0
12.0	81.9	69.3	5 600	125 500 *	41 300	143 900 *	81 700	155 600 *	12.0
13.0	81.0	69.1		113 800	33 600	130 500 *	70 300	149 900 *	13.0
14.0	80.1	69.0		101 200	27 200	119 300 *	60 900	136 800 *	14.0
15.0	79.3	68.8		89 400	21 600	109 500 *	52 800	125 900 *	15.0
16.0	78.4	68.6		79 600	16 900	100 900 *	45 800	116 300 *	16.0
18.0	76.6	68.1		64 000	9 200	86 400 *	34 500	100 200 *	18.0
20.0	74.9	67.6		52 200		72 700	25 700	87 200 *	20.0
22.0	73.1	66.9		42 900		61 200	18 600	76 500 *	22.0
24.0	71.3	66.3		35 500		52 000	12 800	67 500 *	24.0
26.0	69.5	65.5		29 300		44 400	7 900	60 000 *	26.0
28.0	67.6	64.7		24 200		38 000	3 800	53 300	28.0
30.0	65.7	63.8		19 800		32 600		47 000	30.0
32.0	63.8	62.8		16 000		27 900		41 200	32.0
34.0	61.9	61.8		12 700		23 800		36 300	34.0
36.0	59.9	60.6		9 300 *		20 000 *		31 900	36.0
38.0	57.9	59.4		6 200 *		16 300 *		27 700 *	38.0
40.0	55.9	58.1				13 000 *		23 800 *	40.0
42.0	53.8	56.6				10 100 *		20 300 *	42.0
44.0	51.6	55.0				7 400 *		17 100 *	44.0
46.0	49.4	53.3						14 200 *	46.0
48.0	47.0	51.5						11 400 *	48.0
50.0	44.6	49.5						8 600 *	50.0
52.0	42.1	47.3						6 100 *	52.0



# Liftcrane Boom Capacities With Luffing Jib Attached

Meets  
ANSI B30.5  
Requirements

## MAX-ER 225 On 2250 or M-250

Boom No. 49A-44 With Heavy Lift Top  
Luffing Jib No. 133 or No. 133A  
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 Hanging Counterweight  
360 Degree Rating

**57.9m (190 Ft.) Luffing Jib**  
**168 Degree Boom to Luffing Jib Angle**

Boom Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	24 950 kg Hanging Counterweight		61 230 kg Hanging Counterweight		102 060 kg Hanging Counterweight		Boom 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	
<b>73.2m (240 Ft.) BOOM</b>									
11.6	82.9	75.5	8 800	131 000 *	46 400	143 600 *	88 700	143 600 *	11.6
12.0	82.6	75.5	6 600	125 600 *	42 700	141 800 *	83 300	143 600 *	12.0
13.0	81.8	75.3	2 000	113 900 *	34 800	130 600 *	71 700	143 600 *	13.0
14.0	81.0	75.2		101 700	28 200	119 400 *	62 100	136 900 *	14.0
15.0	80.2	75.0		89 900	22 700	109 600 *	54 000	126 000 *	15.0
16.0	79.4	74.8		80 100	17 900	101 000 *	46 900	116 300 *	16.0
18.0	77.8	74.4		64 400	10 000	86 500 *	35 500	100 300 *	18.0
20.0	76.2	73.9		52 600	4 000	73 100	26 600	87 300 *	20.0
22.0	74.5	73.3		43 300		61 600	19 400	76 600 *	22.0
24.0	72.9	72.7		35 800		52 300	13 500	67 700 *	24.0
26.0	71.3	72.0		29 700		44 700	8 600	60 000 *	26.0
28.0	69.6	71.3		24 500		38 300	4 500	53 500	28.0
30.0	67.9	70.5		20 100		32 900	900	47 300	30.0
32.0	66.2	69.6		16 300		28 200		41 600	32.0
34.0	64.4	68.7		13 000		24 100		36 600	34.0
36.0	62.7	67.6		9 800 *		20 500		32 300	36.0
38.0	60.9	66.5		6 700 *		16 800 *		28 300	38.0
40.0	59.1	65.3				13 500 *		24 300 *	40.0
42.0	57.2	64.1				10 600 *		20 800 *	42.0
44.0	55.3	62.7				7 900 *		17 600 *	44.0
46.0	53.4	61.2						14 700 *	46.0
48.0	51.4	59.6						12 100 *	48.0
50.0	49.3	57.9						9 600 *	50.0
52.0	47.2	56.1						7 400 *	52.0



# Liftcrane Boom Capacities With Luffing Jib Attached

Meets  
ANSI B30.5  
Requirements

## MAX-ER 225 On 2250 or M-250

Boom No. 49A-44 With Heavy Lift Top  
Luffing Jib No. 133 or No. 133A  
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 Hanging Counterweight  
360 Degree Rating

### 57.9m (190 Ft.) Luffing Jib 168 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	61 230 kg Hanging Counterweight		102 060 kg Hanging Counterweight		Boom 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	
<b>79.2m (260 Ft.) BOOM</b>							
12.2	83.0	81.6	41 900	117 900 *	82 100	117 900 *	12.2
13.0	82.4	81.5	35 600	115 800 *	72 800	115 800 *	13.0
14.0	81.7	81.3	29 000	113 100 *	63 100	113 100 *	14.0
15.0	80.9	81.2	23 400	109 200 *	54 900	110 500 *	15.0
16.0	80.2	81.0	18 500	101 500 *	47 800	107 800 *	16.0
18.0	78.7	80.6	10 600	86 400 *	36 200	99 900 *	18.0
20.0	77.3	80.1	4 400	73 300	27 200	87 200 *	20.0
22.0	75.8	79.6		61 800	19 900	76 500 *	22.0
24.0	74.3	79.1		52 500	14 000	67 600 *	24.0
26.0	72.7	78.5		44 800	9 000	60 000 *	26.0
28.0	71.2	77.8		38 400	4 800	53 400 *	28.0
30.0	69.7	77.1		33 000	1 200	47 400	30.0
32.0	68.1	76.3		28 300		41 700	32.0
34.0	66.5	75.4		24 300		36 700	34.0
36.0	65.0	74.5		20 700		32 400	36.0
38.0	63.3	73.5		17 100 *		28 600	38.0
40.0	61.7	72.4		13 800 *		24 600 *	40.0
42.0	60.0	71.3		10 800 *		21 100 *	42.0
44.0	58.3	70.0		8 100 *		17 900 *	44.0
46.0	56.6	68.7				14 900 *	46.0
48.0	54.8	67.3				12 300 *	48.0
50.0	53.0	65.8				9 900 *	50.0
52.0	51.2	64.2				7 600 *	52.0
54.0	49.3	62.5				5 500 *	54.0



# Liftcrane Boom Capacities With Luffing Jib Attached

Meets  
ANSI B30.5  
Requirements

# MAX-ER 225 On 2250 or M-250

Boom No. 49A-44 With Heavy Lift Top  
Luffing Jib No. 133 or No. 133A  
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 Hanging Counterweight  
360 Degree Rating

**57.9m (190 Ft.) Luffing Jib  
168 Degree Boom to Luffing Jib Angle**

Boom Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	102 060 kg Hanging Counterweight	
			Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms
<b>85.3m (280 Ft.) BOOM</b>				
13.4	82.7	87.6	69 800	100 900 *
14.0	82.3	87.5	64 200	99 500 *
15.0	81.6	87.3	55 900	97 100 *
16.0	80.9	87.2	48 700	94 800 *
18.0	79.5	86.8	37 000	90 100 *
20.0	78.2	86.4	27 900	85 400 *
22.0	76.8	85.9	20 500	76 800 *
24.0	75.4	85.4	14 500	67 500 *
26.0	74.0	84.8	9 500	60 000 *
28.0	72.6	84.2	5 200	53 400 *
30.0	71.2	83.5	1 600	47 500
32.0	69.8	82.8		41 800
34.0	68.3	82.0		36 800
36.0	66.9	81.2		32 500
38.0	65.4	80.3		28 700
40.0	63.9	79.3		25 000 *
42.0	62.4	78.3		21 400 *
44.0	60.8	77.1		18 200 *
46.0	59.3	76.0		15 200 *
48.0	57.7	74.7		12 500 *
50.0	56.1	73.4		10 100 *
52.0	54.4	72.0		7 800 *
54.0	52.8	70.5		5 700 *

**57.9m (190 Ft.) Luffing Jib  
168 Degree Boom to Luffing Jib Angle**

Boom Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	102 060 kg Hanging Counterweight	
			Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms
<b>91.4m (300 Ft.) BOOM</b>				
16.8	81.0	93.2	44 400	69 300 *
18.0	80.3	93.0	37 600	67 100 *
20.0	79.0	92.6	28 200	63 600 *
22.0	77.7	92.2	20 800	60 100 *
24.0	76.4	91.7	14 700	56 700 *
26.0	75.1	91.2	9 700	53 400 *
28.0	73.8	90.6	5 400	50 100 *
30.0	72.5	90.0	1 700	46 800
32.0	71.2	89.3		41 700
34.0	69.8	88.6		36 800
36.0	68.5	87.8		32 400
38.0	67.1	87.0		28 600
40.0	65.8	86.1		25 100 *
42.0	64.4	85.1		21 400 *
44.0	63.0	84.1		18 200 *
46.0	61.5	83.0		15 200 *
48.0	60.1	81.9		12 500 *
50.0	58.6	80.7		10 100 *
52.0	57.1	79.4		7 800 *
54.0	55.6	78.0		5 700 *



# Liftcrane Boom Capacities With Luffing Jib Attached

Meets  
ANSI B30.5  
Requirements

## MAX-ER 225 On 2250 or M-250

Boom No. 49A-44 With Heavy Lift Top  
Luffing Jib No. 133 or No. 133A  
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 Hanging Counterweight  
360 Degree Rating

**61.0m (200 Ft.) Luffing Jib**  
**168 Degree Boom to Luffing Jib Angle**

Boom Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	0 kg Hanging Counterweight	24 950 kg Hanging Counterweight		61 230 kg Hanging Counterweight		102 060 kg Hanging Counterweight		Boom 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	
<b>42.7m (140 Ft.) BOOM</b>										
7.9	82.7	45.3	181 300 *	29 400	200 500 *	86 600	217 700 *	151 000	217 700 *	7.9
8.0	82.6	45.3	179 500 *	28 600	198 600 *	85 100	216 700 *	148 900	217 700 *	8.0
8.5	82.0	45.2	167 700 *	23 000	185 700 *	75 400	210 100 *	134 500	217 700 *	8.5
9.0	81.3	45.1	157 100 *	18 200	174 200 *	67 000	198 600 *	122 100	217 700 *	9.0
10.0	79.9	44.9	138 200 *	10 300	154 500 *	53 300	175 900 *	101 900	200 300 *	10.0
11.0	78.5	44.7	117 300	4 200	138 100 *	42 600	157 700 *	85 900	179 700 *	11.0
12.0	77.2	44.5	99 400		124 400 *	33 900	142 400 *	73 000	162 700 *	12.0
13.0	75.8	44.2	85 300		110 800	26 700	129 400 *	62 400	148 100 *	13.0
14.0	74.4	43.9	73 800		96 700	20 700	118 100 *	53 500	135 600 *	14.0
15.0	73.0	43.6	64 400		85 300	15 600	108 300 *	45 900	124 700 *	15.0
16.0	71.5	43.2	56 400		75 600	11 100	99 600 *	39 400	115 000 *	16.0
18.0	68.7	42.5	43 800		60 300	4 000	83 700	28 700	98 800 *	18.0
20.0	65.7	41.6	34 200		48 800		69 300	20 400	85 900 *	20.0
22.0	62.7	40.6	26 700		39 700		58 000	13 700	75 000 *	22.0
24.0	59.6	39.4	20 700		32 400		48 900	8 200	64 400 *	24.0
26.0	56.4	38.1	15 700		26 400		41 500	3 600	54 400 *	26.0
28.0	53.1	36.6	11 300 *		21 400		35 200		46 100 *	28.0
30.0	49.6	35.0	7 100 *		17 100		29 900		38 900 *	30.0
32.0	45.9	33.1			13 000		25 000		32 600 *	32.0
34.0	41.9	30.9			9 300 *		20 500 *		27 000 *	34.0
36.0	37.6	28.4			6 000 *		16 600 *		22 100 *	36.0



# Liftcrane Boom Capacities With Luffing Jib Attached

Meets  
ANSI B30.5  
Requirements

## MAX-ER 225 On 2250 or M-250

Boom No. 49A-44 With Heavy Lift Top  
 Luffing Jib No. 133 or No. 133A  
 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 Hanging Counterweight  
 360 Degree Rating

**61.0m (200 Ft.) Luffing Jib**  
**168 Degree Boom to Luffing Jib Angle**

Boom Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	0 kg Hanging Counterweight	24 950 kg Hanging Counterweight		61 230 kg Hanging Counterweight		102 060 kg Hanging Counterweight		Boom 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	
<b>48.8m (160 Ft.) BOOM</b>										
8.5	82.9	51.3	167 100 *	24 500	185 000 *	77 100	209 900 *	136 400	217 700 *	8.5
9.0	82.4	51.3	157 500 *	20 100	174 600 *	69 400	198 200 *	125 000	217 700 *	9.0
10.0	81.2	51.1	139 000	12 000	154 700 *	55 400	176 100 *	104 200	200 600 *	10.0
11.0	80.0	50.9	118 600	5 800	138 500 *	44 500	158 000 *	88 100	180 100 *	11.0
12.0	78.8	50.7	100 600		124 800 *	35 700	142 800 *	75 100	163 100 *	12.0
13.0	77.6	50.5	86 500		112 000	28 500	129 800 *	64 300	148 600 *	13.0
14.0	76.4	50.2	75 000		97 900	22 400	118 600 *	55 400	136 000 *	14.0
15.0	75.2	50.0	65 500		86 400	17 200	108 700 *	47 700	125 100 *	15.0
16.0	73.9	49.7	57 500		76 700	12 700	100 100 *	41 100	115 500 *	16.0
18.0	71.5	49.0	44 800		61 400	5 500	84 600	30 300	99 400 *	18.0
20.0	68.9	48.2	35 200		49 800		70 300	22 000	86 400 *	20.0
22.0	66.4	47.4	27 700		40 700		59 000	15 200	75 700 *	22.0
24.0	63.8	46.4	21 600		33 400		49 900	9 600	66 800 *	24.0
26.0	61.1	45.3	16 700		27 400		42 400	5 000	59 100 *	26.0
28.0	58.3	44.1	12 400		22 300		36 100		51 000 *	28.0
30.0	55.5	42.7	8 300 *		18 000		30 800		43 400 *	30.0
32.0	52.6	41.2	4 700 *		14 200		26 200		36 900 *	32.0
34.0	49.5	39.5			10 500 *		21 800 *		31 200 *	34.0
36.0	46.3	37.7			7 100 *		17 800 *		26 100 *	36.0
38.0	42.9	35.6					14 200 *		21 600 *	38.0
40.0	39.2	33.2					11 000 *		17 500 *	40.0
42.0	35.2	30.4					8 200 *		13 800 *	42.0



# Liftcrane Boom Capacities With Luffing Jib Attached

Meets  
ANSI B30.5  
Requirements

## MAX-ER 225 On 2250 or M-250

Boom No. 49A-44 With Heavy Lift Top  
Luffing Jib No. 133 or No. 133A  
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 Hanging Counterweight  
360 Degree Rating

**61.0m (200 Ft.) Luffing Jib**  
**168 Degree Boom to Luffing Jib Angle**

Boom Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	0 kg Hanging Counterweight	24 950 kg Hanging Counterweight		61 230 kg Hanging Counterweight		102 060 kg Hanging Counterweight		Boom 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	
<b>54.9m (180 Ft.) BOOM</b>										
9.8	82.4	57.3	142 500 *	14 600	158 300 *	59 600	180 300 *	110 400	204 900 *	9.8
10.0	82.2	57.3	138 500 *	12 800	154 000 *	56 600	175 400 *	105 900	199 500 *	10.0
11.0	81.1	57.1	119 100	6 300	137 600 *	45 300	157 200 *	89 200	179 200 *	11.0
12.0	80.1	56.9	100 900	1 000	123 900 *	36 200	141 900 *	76 000	162 200 *	12.0
13.0	79.0	56.7	86 700		111 800	28 800	128 900 *	65 000	147 700 *	13.0
14.0	77.9	56.5	75 100		98 000	22 600	117 700 *	55 800	135 200 *	14.0
15.0	76.8	56.3	65 600		86 400	17 300	107 900 *	48 100	124 300 *	15.0
16.0	75.8	56.0	57 500		76 700	12 800	99 300 *	41 300	114 700 *	16.0
18.0	73.6	55.4	44 700		61 300	5 300	84 300	30 400	98 500 *	18.0
20.0	71.4	54.8	35 100		49 600		70 100	21 800	85 600 *	20.0
22.0	69.2	54.0	27 400		40 400		58 700	14 900	74 900 *	22.0
24.0	66.9	53.2	21 300		33 100		49 600	9 300	65 900 *	24.0
26.0	64.6	52.2	16 300		27 000		42 000	4 600	58 300	26.0
28.0	62.2	51.2	12 000		21 900		35 700		51 400	28.0
30.0	59.8	50.0	7 700 *		17 600		30 400		44 700	30.0
32.0	57.3	48.8			13 600		25 700		38 900	32.0
34.0	54.8	47.4			9 800 *		21 100 *		33 000 *	34.0
36.0	52.2	45.8			6 400 *		17 000 *		27 800 *	36.0
38.0	49.4	44.1					13 500 *		23 100 *	38.0
40.0	46.6	42.3					10 300 *		18 900 *	40.0
42.0	43.6	40.2					7 400 *		15 200 *	42.0
44.0	40.4	37.9					4 700 *		11 700 *	44.0
46.0	37.0	35.4							8 500 *	46.0



# Liftcrane Boom Capacities With Luffing Jib Attached

Meets  
ANSI B30.5  
Requirements

# MAX-ER 225 On 2250 or M-250

Boom No. 49A-44 With Heavy Lift Top  
Luffing Jib No. 133 or No. 133A  
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 Hanging Counterweight  
360 Degree Rating

## 61.0m (200 Ft.) Luffing Jib 168 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	0 kg Hanging Counterweight	24 950 kg Hanging Counterweight		61 230 kg Hanging Counterweight		102 060 kg Hanging Counterweight		Boom 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	
<b>61.0m (200 Ft.) BOOM</b>										
10.4	82.6	63.4	132 900 *	11 900	147 800 *	54 100	168 500 *	101 700	191 800 *	10.4
11.0	82.0	63.3	120 300	7 900	137 800 *	47 200	157 400 *	91 500	179 400 *	11.0
12.0	81.1	63.1	102 000	2 500	124 100 *	38 000	142 200 *	78 000	162 400 *	12.0
13.0	80.1	62.9	87 700		112 200	30 400	129 200 *	66 900	147 900 *	13.0
14.0	79.1	62.8	76 100		99 000	24 200	118 000 *	57 600	135 500 *	14.0
15.0	78.2	62.5	66 500		87 300	18 700	108 200 *	49 700	124 500 *	15.0
16.0	77.2	62.3	58 400		77 500	14 100	99 500 *	42 800	114 900 *	16.0
18.0	75.3	61.8	45 500		62 100	6 500	85 000	31 700	98 800 *	18.0
20.0	73.3	61.2	35 800		50 400		70 800	23 100	85 900 *	20.0
22.0	71.3	60.5	28 200		41 100		59 400	16 100	75 200 *	22.0
24.0	69.3	59.8	22 000		33 700		50 200	10 300	66 200 *	24.0
26.0	67.3	58.9	16 900		27 600		42 700	5 600	58 600 *	26.0
28.0	65.2	58.0	12 600		22 500		36 300		51 900	28.0
30.0	63.1	57.0	8 500 *		18 200		30 900		45 300	30.0
32.0	61.0	55.9	4 800 *		14 400		26 300		39 600	32.0
34.0	58.8	54.7			10 600 *		21 900 *		34 700	34.0
36.0	56.5	53.4			7 100 *		17 800 *		29 900 *	36.0
38.0	54.2	52.0					14 200 *		25 600 *	38.0
40.0	51.9	50.4					11 000 *		21 600 *	40.0
42.0	49.4	48.7					8 000 *		17 700 *	42.0
44.0	46.8	46.9					5 400 *		14 100 *	44.0
46.0	44.2	44.9							11 000 *	46.0
48.0	41.3	42.6							8 000 *	48.0
50.0	38.4	40.2							5 300 *	50.0





# Liftcrane Boom Capacities With Luffing Jib Attached

Meets  
ANSI B30.5  
Requirements

## MAX-ER 225 On 2250 or M-250

Boom No. 49A-44 With Heavy Lift Top  
Luffing Jib No. 133 or No. 133A  
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 Hanging Counterweight  
360 Degree Rating

### 61.0m (200 Ft.) Luffing Jib 168 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	24 950 kg Hanging Counterweight		61 230 kg Hanging Counterweight		102 060 kg Hanging Counterweight		Boom 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	
<b>67.1m (220 Ft.) BOOM</b>									
11.0	82.8	69.5	9 300	138 300 *	49 100	154 100 *	93 900	154 100 *	11.0
12.0	81.9	69.3	3 700	124 200 *	39 500	142 700 *	79 800	154 100 *	12.0
13.0	81.0	69.1		112 500	31 800	129 300 *	68 500	148 700 *	13.0
14.0	80.1	69.0		99 700	25 400	118 100 *	59 100	135 600 *	14.0
15.0	79.3	68.8		88 000	20 000	108 300 *	51 100	124 700 *	15.0
16.0	78.4	68.6		78 200	15 300	99 700 *	44 200	115 100 *	16.0
18.0	76.6	68.1		62 700	7 600	85 300 *	32 900	99 000 *	18.0
20.0	74.9	67.6		50 900		71 400	24 100	86 100 *	20.0
22.0	73.1	66.9		41 700		60 000	17 000	75 400 *	22.0
24.0	71.3	66.3		34 200		50 700	11 200	66 500 *	24.0
26.0	69.5	65.5		28 100		43 200	6 400	58 900 *	26.0
28.0	67.6	64.7		23 000		36 800	2 300	52 200	28.0
30.0	65.7	63.8		18 600		31 400		45 800	30.0
32.0	63.8	62.8		14 900		26 800		40 100	32.0
34.0	61.9	61.8		11 300 *		22 600		35 200	34.0
36.0	59.9	60.6		7 800 *		18 500 *		30 600 *	36.0
38.0	57.9	59.4		4 800 *		14 900 *		26 300 *	38.0
40.0	55.9	58.1				11 600 *		22 400 *	40.0
42.0	53.8	56.6				8 700 *		18 900 *	42.0
44.0	51.6	55.0				6 000 *		15 800 *	44.0
46.0	49.4	53.3						12 800 *	46.0
48.0	47.0	51.5						10 000 *	48.0
50.0	44.6	49.5						7 300 *	50.0



# Liftcrane Boom Capacities With Luffing Jib Attached

Meets  
ANSI B30.5  
Requirements

## MAX-ER 225 On 2250 or M-250

Boom No. 49A-44 With Heavy Lift Top  
Luffing Jib No. 133 or No. 133A  
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 Hanging Counterweight  
360 Degree Rating

### 61.0m (200 Ft.) Luffing Jib 168 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	24 950 kg Hanging Counterweight		61 230 kg Hanging Counterweight		102 060 kg Hanging Counterweight		Boom 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	
<b>73.2m (240 Ft.) BOOM</b>									
11.6	82.9	75.5	6 900	129 800 *	44 500	141 700 *	86 900	141 700 *	11.6
12.0	82.6	75.5	4 800	124 400 *	40 900	140 300 *	81 500	141 700 *	12.0
13.0	81.8	75.3		112 600	33 000	129 400 *	70 000	141 700 *	13.0
14.0	81.0	75.2		100 200	26 500	118 200 *	60 500	135 700 *	14.0
15.0	80.2	75.0		88 500	21 000	108 400 *	52 300	124 800 *	15.0
16.0	79.4	74.8		78 700	16 300	99 800 *	45 300	115 200 *	16.0
18.0	77.8	74.4		63 100	8 500	85 400 *	33 900	99 200 *	18.0
20.0	76.2	73.9		51 300		71 900	25 000	86 200 *	20.0
22.0	74.5	73.3		42 100		60 400	17 900	75 500 *	22.0
24.0	72.9	72.7		34 600		51 100	12 100	66 600 *	24.0
26.0	71.3	72.0		28 500		43 500	7 200	59 000 *	26.0
28.0	69.6	71.3		23 400		37 200	3 000	52 400	28.0
30.0	67.9	70.5		19 000		31 700		46 200	30.0
32.0	66.2	69.6		15 200		27 100		40 500	32.0
34.0	64.4	68.7		11 900		23 100		35 500	34.0
36.0	62.7	67.6		8 400 *		19 200 *		31 100	36.0
38.0	60.9	66.5		5 300 *		15 500 *		26 900 *	38.0
40.0	59.1	65.3				12 100 *		23 000 *	40.0
42.0	57.2	64.1				9 200 *		19 500 *	42.0
44.0	55.3	62.7				6 500 *		16 300 *	44.0
46.0	53.4	61.2						13 400 *	46.0
48.0	51.4	59.6						10 800 *	48.0
50.0	49.3	57.9						8 300 *	50.0
52.0	47.2	56.1						6 100 *	52.0



# Liftcrane Boom Capacities With Luffing Jib Attached

Meets  
ANSI B30.5  
Requirements

## MAX-ER 225 On 2250 or M-250

Boom No. 49A-44 With Heavy Lift Top  
Luffing Jib No. 133 or No. 133A  
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 Hanging Counterweight  
360 Degree Rating

### 61.0m (200 Ft.) Luffing Jib 168 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	61 230 kg Hanging Counterweight		102 060 kg Hanging Counterweight		Boom 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	
<b>79.2m (260 Ft.) BOOM</b>							
12.2	83.0	81.6	40 200	116 800 *	80 300	116 800 *	12.2
13.0	82.4	81.5	33 900	114 700 *	71 100	114 700 *	13.0
14.0	81.7	81.3	27 300	112 000 *	61 500	112 000 *	14.0
15.0	80.9	81.2	21 700	108 100 *	53 300	109 400 *	15.0
16.0	80.2	81.0	16 900	100 300 *	46 200	106 800 *	16.0
18.0	78.7	80.6	9 000	85 300 *	34 700	98 800 *	18.0
20.0	77.3	80.1		72 100	25 700	86 100 *	20.0
22.0	75.8	79.6		60 600	18 500	75 400 *	22.0
24.0	74.3	79.1		51 300	12 600	66 500 *	24.0
26.0	72.7	78.5		43 700	7 600	59 000 *	26.0
28.0	71.2	77.8		37 300	3 500	52 400	28.0
30.0	69.7	77.1		31 900		46 400	30.0
32.0	68.1	76.3		27 300		40 600	32.0
34.0	66.5	75.4		23 200		35 700	34.0
36.0	65.0	74.5		19 500		31 400	36.0
38.0	63.3	73.5		15 800 *		27 200	38.0
40.0	61.7	72.4		12 500 *		23 300 *	40.0
42.0	60.0	71.3		9 500 *		19 800 *	42.0
44.0	58.3	70.0		6 800 *		16 600 *	44.0
46.0	56.6	68.7				13 700 *	46.0
48.0	54.8	67.3				11 000 *	48.0
50.0	53.0	65.8				8 500 *	50.0
52.0	51.2	64.2				6 300 *	52.0



# Liftcrane Boom Capacities With Luffing Jib Attached

Meets  
 ANSI B30.5  
 Requirements

# MAX-ER 225 On 2250 or M-250

Boom No. 49A-44 With Heavy Lift Top  
 Luffing Jib No. 133 or No. 133A  
 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 Hanging Counterweight  
 360 Degree Rating

**61.0m (200 Ft.) Luffing Jib  
 168 Degree Boom to Luffing Jib Angle**

Boom Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	102 060 kg Hanging Counterweight	
			Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms
<b>85.3m (280 Ft.) BOOM</b>				
13.4	82.7	87.6	68 200	99 700 *
14.0	82.3	87.5	62 600	98 300 *
15.0	81.6	87.3	54 300	95 900 *
16.0	80.9	87.2	47 200	93 600 *
18.0	79.5	86.8	35 500	88 900 *
20.0	78.2	86.4	26 400	84 200 *
22.0	76.8	85.9	19 100	75 700 *
24.0	75.4	85.4	13 100	66 500 *
26.0	74.0	84.8	8 200	59 000 *
28.0	72.6	84.2	3 900	52 400 *
30.0	71.2	83.5		46 500
32.0	69.8	82.8		40 800
34.0	68.3	82.0		35 900
36.0	66.9	81.2		31 500
38.0	65.4	80.3		27 600
40.0	63.9	79.3		23 700 *
42.0	62.4	78.3		20 100 *
44.0	60.8	77.1		16 900 *
46.0	59.3	76.0		14 000 *
48.0	57.7	74.7		11 300 *
50.0	56.1	73.4		8 800 *
52.0	54.4	72.0		6 600 *

**61.0m (200 Ft.) Luffing Jib  
 168 Degree Boom to Luffing Jib Angle**

Boom Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	102 060 kg Hanging Counterweight	
			Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms
<b>91.4m (300 Ft.) BOOM</b>				
15.2	82.0	93.5	53 100	70 900 *
16.0	81.5	93.4	48 000	69 600 *
18.0	80.3	93.0	36 000	66 100 *
20.0	79.0	92.6	26 800	62 500 *
22.0	77.7	92.2	19 400	59 100 *
24.0	76.4	91.7	13 400	55 700 *
26.0	75.1	91.2	8 400	52 300 *
28.0	73.8	90.6	4 100	49 000 *
30.0	72.5	90.0		45 800
32.0	71.2	89.3		40 700
34.0	69.8	88.6		35 800
36.0	68.5	87.8		31 400
38.0	67.1	87.0		27 600
40.0	65.8	86.1		23 800 *
42.0	64.4	85.1		20 200 *
44.0	63.0	84.1		16 900 *
46.0	61.5	83.0		14 000 *
48.0	60.1	81.9		11 300 *
50.0	58.6	80.7		8 800 *
52.0	57.1	79.4		6 600 *