



# Liftcrane Boom Capacities

**Boom No. 49A-44 With Heavy Lift Top**

**169,200 Lb. (2250) or 167,000 Lb. (M-250) Crane Counterweight**

**60,000 Lb. Carbody Counterweight - 0 Lb. Thru 225,000 Lb. Hanging Counterweight**

**360 Degree Rating**

Meets  
ANSI B30.5  
Requirements

# MAX-ER 225

## On 2250 or M-250

**LIFTING CAPACITIES:** Lifting capacities for various boom lengths and operating radii are for freely suspended loads and do not exceed 75% of a static tipping load. Capacities based on structural competence are denoted by an asterisk (\*).

Hanging counterweight must be attached to support beam and MAX-ER mode must be selected to operate. Minimum boom capacity to raise hanging counterweight free of ground support is required for swing and travel. Do not allow hanging counterweight to contact ground while swinging and traveling. Exit MAX-ER mode before operating without hanging counterweight.

Upper boom point capacity for liftcrane service with single part whip line is 30,000 Lbs. or 60,000 Lbs. with two part whip line. In all cases, upper boom point capacities cannot exceed those listed for main boom capacity. Whip line operation is not allowed where minimum boom capacity to swing and travel exceeds 30,000 Lbs. for single part line or 60,000 Lbs. for two part line or whip line load.

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

**OPERATING CONDITIONS:** Machine to operate on a firm uniformly supporting surface with gantry and mast up. Refer to boom rigging **No. 175604** or **No. 192107**, Wire Rope Specification chart **No. 7581-D** and Counterweight Arrangement chart **No. 7692-A** or **No. 8026-A**. Crane operator judgment must be used to allow for dynamic load effects of swinging, hoisting or lowering, travel, wind conditions, as well as adverse operating conditions and physical machine depreciation. Refer to operators manual for operating guidelines.

**MACHINE TRAVEL:** Machine to travel on a firm, level and uniformly supporting surface with boom within boom angle range shown in capacity chart. Travel may be limited depending upon ground conditions. Refer to Swing and Travel Specification

chart **No. 7750-A** or Maximum Allowable Travel Specification chart **No. 7710-A** when operating without load.

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

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

**MACHINE EQUIPMENT:** Machine equipped with MAX-ER 225, 30 Ft. 9 in. crawlers, 48 in. treads, 28 Ft. retractable gantry, 130 Ft. mast, 8 part boom hoist reeving, four 1-1/2 in. boom pendants or boom support straps, 169,200 Lb. (2250) crane counterweight or 167,000 Lb. (M-250) crane counterweight, two 30,000 Lb. carbody counterweights and hanging counterweight as specified.

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

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

Deduct From Capacities When Jib Is Attached	
Jib Length	Jib No. 132
40 Ft.	6,400 Lbs.
60 Ft.	8,200 Lbs.
80 Ft.	10,300 Lbs.
100 Ft.	12,800 Lbs.
120 Ft.	15,300 Lbs.



# Liftcrane Boom Capacities

Boom No. 49A-44 With Heavy Lift Top

169,200 Lb. (2250) or 167,000 Lb. (M-250) Crane Counterweight

60,000 Lb. Carbody Counterweight - 0 Lb. Thru 225,000 Lb. Hanging Counterweight

360 Degree Rating

Meets  
ANSI B30.5  
Requirements

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

Maximum Boom and Jib Lengths Lifted Unassisted					
Over Front of Blocked Crawlers		Over Rear of Blocked Crawlers		Over Side of Crawlers	
Boom Length	Jib No. 132	Boom Length	Jib No. 132	Boom Length	Jib No. 132
0 Lb. Hanging Counterweight					
300 Ft.	---	300 Ft.	---	280 Ft.	---
280 Ft.	60 Ft.	280 Ft.	40 Ft.	260 Ft.	---
260 Ft.	120 Ft.	260 Ft.	100 Ft.	240 Ft.	100 Ft.
		240 Ft.	120 Ft.	220 Ft.	120 Ft.
55,000 Lb. Hanging Counterweight					
340 Ft.	---	340 Ft.	---	320 Ft.	---
320 Ft.	40 Ft.	320 Ft.	---	300 Ft.	---
300 Ft.	100 Ft.	300 Ft.	80 Ft.	280 Ft.	80 Ft.
280 Ft.	120 Ft.	280 Ft.	120 Ft.	260 Ft.	120 Ft.
95,000 Lb. Hanging Counterweight					
340 Ft.	---	340 Ft.	---	340 Ft.	---
340 Ft.	40 Ft.	340 Ft.	40 Ft.	320 Ft.	40 Ft.
320 Ft.	100 Ft.	320 Ft.	100 Ft.	300 Ft.	100 Ft.
300 Ft.	120 Ft.	300 Ft.	120 Ft.	280 Ft.	120 Ft.
135,000 Lb. Hanging Counterweight					
340 Ft.	---	340 Ft.	---	340 Ft.	---
340 Ft.	80 Ft.	340 Ft.	80 Ft.	340 Ft.	40 Ft.
320 Ft.	120 Ft.	320 Ft.	120 Ft.	320 Ft.	100 Ft.
				300 Ft.	120 Ft.
175,000 Lb. Hanging Counterweight					
340 Ft.	---	340 Ft.	---	340 Ft.	---
340 Ft.	120 Ft.	340 Ft.	120 Ft.	340 Ft.	100 Ft.
				320 Ft.	120 Ft.
225,000 Lb. Hanging Counterweight					
340 Ft.	---	340 Ft.	---	340 Ft.	---
340 Ft.	120 Ft.	340 Ft.	120 Ft.	340 Ft.	120 Ft.
Load block, hook and weight ball on ground at start.					



# Liftcrane Boom Capacities

Boom No. 49A-44 With Heavy Lift Top  
 169,200 Lb. (2250) or 167,000 Lb. (M-250) Crane Counterweight  
 60,000 Lb. Carbody Counterweight - 0 Lb. Thru 225,000 Lb. Hanging Counterweight  
 360 Degree Rating

Meets  
 ANSI B30.5  
 Requirements

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

## 140 Ft. Boom

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	0 Lb. Hanging Counterweight	55,000 Lb. Hanging Counterweight		95,000 Lb. Hanging Counterweight		135,000 Lb. Hanging Counterweight		175,000 Lb. Hanging Counterweight		225,000 Lb. Hanging Counterweight		Oper. Rad. Feet
			Boom Capacity Pounds	Minimum Boom Capacity To Swing and Travel Pounds	Boom Capacity Pounds	Minimum Boom Capacity To Swing and Travel Pounds	Boom Capacity Pounds	Minimum Boom Capacity To Swing and Travel Pounds	Boom Capacity Pounds	Minimum Boom Capacity To Swing and Travel Pounds	Boom Capacity Pounds	Minimum Boom Capacity To Swing and Travel Pounds	Boom Capacity Pounds	
26	82.7	148.5	452,000 *	162,700	500,000 *	231,100	500,000 *	299,500	500,000 *	367,900	500,000 *			26
28	81.9	148.2	421,900 *	144,300	466,600 *	206,300	494,000 *	268,200	499,000 *	330,200	499,000 *			28
30	81.1	147.9	395,300 *	129,100	436,100 *	185,700	461,700 *	242,300	487,400 *	298,900	498,000 *	369,600	498,000 *	30
32	80.2	147.5	371,700 *	116,300	409,100 *	168,400	433,300 *	220,500	457,400 *	272,600	481,600 *	337,700	497,000 *	32
34	79.4	147.1	350,600 *	105,400	385,200 *	153,700	408,000 *	201,900	430,800 *	250,200	453,600 *	310,500	482,100 *	34
36	78.6	146.6	330,800	96,000	363,800 *	141,000	385,400 *	185,900	407,000 *	230,800	428,600 *	287,000	455,600 *	36
38	77.7	146.2	304,300	87,800	344,500 *	129,900	365,000 *	171,900	385,500 *	213,900	406,100 *	266,500	431,700 *	38
40	76.9	145.7	281,500	80,600	327,000 *	120,100	346,600 *	159,600	366,100 *	199,100	385,700 *	248,400	410,100 *	40
42	76.0	145.2	261,600	74,200	311,100 *	111,400	329,800 *	148,700	348,500 *	185,900	367,100 *	232,400	390,500 *	42
44	75.2	144.6	244,200	68,500	296,600 *	103,700	314,500 *	138,900	332,300 *	174,100	350,200 *	218,200	372,500 *	44
46	74.3	144.0	228,800	63,400	279,100	96,800	300,400 *	130,200	317,600 *	163,600	334,700 *	205,400	356,100 *	46
48	73.5	143.4	215,000	58,700	262,600	90,500	287,500 *	122,300	304,000 *	154,100	320,400 *	193,800	340,900 *	48
50	72.6	142.7	202,700	54,500	247,800	84,800	275,600 *	115,100	291,400 *	145,400	307,200 *	183,300	327,000 *	50
55	70.4	141.0	176,900	45,500	216,800	72,700	244,900	99,800	263,800 *	127,000	278,300 *	160,900	296,300 *	55
60	68.2	138.9	156,300	38,200	192,200	62,800	217,400	87,400	240,700 *	111,900	254,000 *	142,700	270,600 *	60
65	66.0	136.7	139,600	32,100	172,100	54,600	194,900	77,000	217,800	99,500	233,300 *	127,600	248,700 *	65
70	63.7	134.2	125,700	27,000	155,500	47,700	176,300	68,400	197,200	89,000	215,500 *	114,900	229,800 *	70
75	61.4	131.5	114,000	22,700	141,400	41,800	160,700	60,900	179,900	80,100	199,200	104,000	213,400 *	75
80	59.0	128.5	104,000	18,900	129,400	36,700	147,300	54,500	165,100	72,300	183,000	94,600	198,900 *	80
85	56.5	125.2	95,400	15,600	119,000	32,300	135,700	48,900	152,300	65,600	169,000	86,400	186,200 *	85
90	54.0	121.6	87,800	12,700	110,000	28,300	125,600	44,000	141,100	59,600	156,700	79,200	174,800 *	90
95	51.4	117.6	81,100	10,100	102,000	24,800	116,600	39,600	131,300	54,400	145,900	72,800	164,300	95
100	48.7	113.2	75,200	7,800	94,900	21,700	108,700	35,700	122,600	49,600	136,400	67,100	153,700	100
105	45.9	108.4	69,900	5,700	88,600	18,900	101,600	32,200	114,700	45,400	127,800	62,000	144,200	105
110	42.9	103.1	65,200	3,800	82,900	16,400	95,300	29,000	107,700	41,500	120,100	57,300	135,700	110
120	36.3	90.5	57,000	400	73,000	11,900	84,300	23,400	95,600	34,800	106,800	49,200	120,900	120
130	28.3	73.9	50,100		64,800	8,100	75,100	18,600	85,400	29,200	95,800	42,300	107,100 *	130



# Liftcrane Boom Capacities

**Boom No. 49A-44 With Heavy Lift Top**  
**169,200 Lb. (2250) or 167,000 Lb. (M-250) Crane Counterweight**  
**60,000 Lb. Carbody Counterweight - 0 Lb. Thru 225,000 Lb. Hanging Counterweight**  
**360 Degree Rating**

Meets  
**ANSI B30.5**  
 Requirements

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

**160 Ft. Boom**

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	0 Lb. Hanging Counterweight	55,000 Lb. Hanging Counterweight		95,000 Lb. Hanging Counterweight		135,000 Lb. Hanging Counterweight		175,000 Lb. Hanging Counterweight		225,000 Lb. Hanging Counterweight		Oper. Rad. Feet
			Boom Capacity Pounds	Minimum Boom Capacity To Swing and Travel Pounds	Boom Capacity Pounds	Minimum Boom Capacity To Swing and Travel Pounds	Boom Capacity Pounds	Minimum Boom Capacity To Swing and Travel Pounds	Boom Capacity Pounds	Minimum Boom Capacity To Swing and Travel Pounds	Boom Capacity Pounds	Minimum Boom Capacity To Swing and Travel Pounds	Boom Capacity Pounds	
28	82.9	168.4	420,300 *	146,300	465,300 *	209,400	492,700 *	272,500	498,000 *	335,500	498,000 *			28
30	82.2	168.1	393,800 *	130,700	434,800 *	188,300	460,500 *	245,800	486,100 *	303,300	497,000 *			30
32	81.5	167.8	370,200 *	117,600	407,900 *	170,500	432,100 *	223,400	456,200 *	276,300	480,400 *	342,500	496,000 *	32
34	80.7	167.5	349,100 *	106,400	384,000 *	155,400	406,800 *	204,300	429,700 *	253,300	452,500 *	314,500	481,000 *	34
36	80.0	167.1	330,100 *	96,800	362,600 *	142,400	384,200 *	187,900	405,900 *	233,500	427,500 *	290,400	454,500 *	36
38	79.3	166.7	303,900	88,400	343,400 *	131,000	363,900 *	173,600	384,400 *	216,200	405,000 *	269,400	430,600 *	38
40	78.6	166.2	281,100	81,100	325,900 *	121,000	345,500 *	161,000	365,000 *	201,000	384,600 *	251,000	409,100 *	40
42	77.8	165.8	261,200	74,500	310,100 *	112,200	328,700 *	149,900	347,400 *	187,600	366,100 *	234,700	389,400 *	42
44	77.1	165.3	243,800	68,700	295,600 *	104,300	313,400 *	140,000	331,300 *	175,600	349,200 *	220,100	371,500 *	44
46	76.3	164.8	228,400	63,500	278,700	97,300	299,400 *	131,100	316,500 *	164,800	333,700 *	207,100	355,100 *	46
48	75.6	164.3	214,600	58,800	262,200	90,900	286,500 *	123,000	303,000 *	155,100	319,400 *	195,300	339,900 *	48
50	74.9	163.7	202,300	54,500	247,400	85,100	274,600 *	115,700	290,400 *	146,300	306,200 *	184,600	326,000 *	50
55	73.0	162.1	176,400	45,400	216,400	72,800	244,500	100,200	262,900 *	127,600	277,300 *	161,800	295,400 *	55
60	71.1	160.4	155,900	38,000	191,700	62,800	216,900	87,500	239,800 *	112,300	253,100 *	143,300	269,700 *	60
65	69.2	158.5	139,100	31,800	171,600	54,500	194,500	77,100	217,300	99,700	232,400 *	128,000	247,800 *	65
70	67.2	156.4	125,200	26,700	155,000	47,500	175,900	68,300	196,800	89,100	214,700 *	115,100	228,900 *	70
75	65.3	154.1	113,500	22,200	140,900	41,500	160,200	60,800	179,500	80,100	198,700	104,100	212,500 *	75
80	63.3	151.6	103,500	18,400	128,900	36,400	146,800	54,300	164,600	72,200	182,500	94,700	198,100 *	80
85	61.2	148.8	94,900	15,100	118,600	31,900	135,200	48,600	151,800	65,400	168,500	86,400	185,400 *	85
90	59.1	145.8	87,300	12,200	109,500	27,900	125,100	43,700	140,700	59,400	156,200	79,100	174,000 *	90
95	57.0	142.6	80,700	9,600	101,500	24,400	116,200	39,300	130,800	54,100	145,500	72,700	163,800 *	95
100	54.8	139.1	74,700	7,200	94,400	21,300	108,200	35,300	122,100	49,300	135,900	66,900	153,200	100
105	52.6	135.3	69,500	5,100	88,100	18,400	101,200	31,800	114,300	45,100	127,300	61,700	143,700	105
110	50.2	131.1	64,700	3,200	82,400	15,900	94,800	28,500	107,200	41,200	119,700	57,000	135,200	110
120	45.3	121.7	56,500		72,500	11,400	83,800	23,000	95,100	34,500	106,400	48,900	120,500	120
130	39.9	110.4	49,600		64,300	7,700	74,700	18,300	85,000	28,800	95,300	42,000	108,200	130
140	33.8	96.6	43,800		57,400	4,500	66,900	14,200	76,500	24,000	86,000	36,200	97,900	140
150	26.4	78.5	38,800		51,400	1,700	60,300	10,700	69,100	19,800	77,900	31,100	88,800 *	150

# Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.



## Liftcrane Boom Capacities

Boom No. 49A-44 With Heavy Lift Top  
 169,200 Lb. (2250) or 167,000 Lb. (M-250) Crane Counterweight  
 60,000 Lb. Carbody Counterweight - 0 Lb. Thru 225,000 Lb. Hanging Counterweight  
 360 Degree Rating

Meets  
 ANSI B30.5  
 Requirements

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

### 180 Ft. Boom

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	0 Lb. Hanging Counterweight	55,000 Lb. Hanging Counterweight		95,000 Lb. Hanging Counterweight		135,000 Lb. Hanging Counterweight		175,000 Lb. Hanging Counterweight		225,000 Lb. Hanging Counterweight		Oper. Rad. Feet
			Boom Capacity Pounds	Minimum Boom Capacity To Swing and Travel Pounds	Boom Capacity Pounds	Minimum Boom Capacity To Swing and Travel Pounds	Boom Capacity Pounds	Minimum Boom Capacity To Swing and Travel Pounds	Boom Capacity Pounds	Minimum Boom Capacity To Swing and Travel Pounds	Boom Capacity Pounds	Minimum Boom Capacity To Swing and Travel Pounds	Boom Capacity Pounds	
32	82.4	188.1	364,900 *	117,600	405,000 *	171,400	429,100 *	225,200	453,300 *	279,000	477,500 *	346,200	495,000 *	32
34	81.8	187.7	343,900 *	106,000	381,100 *	155,700	403,900 *	205,500	426,700 *	255,200	449,500 *	317,400	478,000 *	34
36	81.1	187.4	324,900 *	96,000	359,700 *	142,200	381,300 *	188,500	402,900 *	234,700	424,500 *	292,500	451,500 *	36
38	80.5	187.1	302,700	87,300	340,400 *	130,500	360,900 *	173,700	381,500 *	216,900	402,000 *	270,900	427,700 *	38
40	79.8	186.7	279,700	79,700	322,900 *	120,200	342,500 *	160,800	362,100 *	201,300	381,600 *	252,000	406,100 *	40
42	79.2	186.3	259,700	72,900	307,100 *	111,100	325,700 *	149,300	344,400 *	187,500	363,100 *	235,200	386,400 *	42
44	78.5	185.8	242,200	66,900	292,600 *	103,000	310,400 *	139,100	328,300 *	175,100	346,200 *	220,200	368,500 *	44
46	77.9	185.4	226,700	61,500	277,000	95,700	296,400 *	129,900	313,500 *	164,100	330,700 *	206,800	352,100 *	46
48	77.2	184.9	212,800	56,600	260,400	89,100	283,500 *	121,600	299,900 *	154,100	316,400 *	194,800	336,900 *	48
50	76.6	184.4	200,400	52,200	245,600	83,200	271,600 *	114,100	287,400 *	145,100	303,200 *	183,800	323,000 *	50
55	74.9	183.1	174,400	42,800	214,400	70,500	242,400	98,200	259,900 *	125,800	274,300 *	160,400	292,300 *	55
60	73.3	181.5	153,700	35,200	189,600	60,200	214,800	85,200	236,800 *	110,200	250,000 *	141,500	266,600 *	60
65	71.6	179.9	136,900	28,900	169,400	51,700	192,200	74,500	215,100	97,300	229,400 *	125,900	244,700 *	65
70	69.9	178.0	122,900	23,500	152,600	44,500	173,500	65,500	194,400	86,500	211,600 *	112,700	225,800 *	70
75	68.2	176.0	111,100	19,000	138,500	38,400	157,800	57,800	177,000	77,300	196,100 *	101,500	209,400 *	75
80	66.4	173.8	101,100	15,100	126,500	33,200	144,300	51,200	162,200	69,300	180,000	91,900	195,000 *	80
85	64.7	171.5	92,300	11,700	116,000	28,600	132,700	45,400	149,300	62,300	165,900	83,400	182,200 *	85
90	62.9	168.9	84,700	8,700	106,900	24,500	122,500	40,400	138,100	56,200	153,700	76,000	170,900 *	90
95	61.1	166.1	78,000	6,000	98,900	20,900	113,500	35,900	128,200	50,800	142,800	69,500	160,600 *	95
100	59.2	163.2	72,100	3,600	91,700	17,700	105,600	31,800	119,400	46,000	133,200	63,600	150,500	100
105	57.3	160.0	66,800	1,500	85,400	14,800	98,500	28,200	111,500	41,600	124,600	58,400	141,000	105
110	55.4	156.5	62,000		79,600	12,200	92,100	25,000	104,500	37,700	116,900	53,600	132,400	110
120	51.4	148.8	53,700		69,800	7,700	81,000	19,300	92,300	30,900	103,600	45,400	117,700	120
130	47.1	139.9	46,800		61,500	3,900	71,800	14,500	82,200	25,100	92,500	38,400	105,400	130
140	42.5	129.5	41,000		54,500	600	64,100	10,400	73,600	20,300	83,100	32,500	95,000	140
150	37.5	117.2	36,000		48,600		57,400	6,900	66,200	16,000	75,100	27,400	86,100	150
160	31.7	102.2	31,600		43,300		51,600	3,800	59,800	12,300	68,100	23,000	78,400	160



# Liftcrane Boom Capacities

**Boom No. 49A-44 With Heavy Lift Top**  
**169,200 Lb. (2250) or 167,000 Lb. (M-250) Crane Counterweight**  
**60,000 Lb. Carbody Counterweight - 0 Lb. Thru 225,000 Lb. Hanging Counterweight**  
**360 Degree Rating**

Meets  
**ANSI B30.5**  
 Requirements

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

**200 Ft. Boom**

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	0 Lb. Hanging Counterweight	55,000 Lb. Hanging Counterweight		95,000 Lb. Hanging Counterweight		135,000 Lb. Hanging Counterweight		175,000 Lb. Hanging Counterweight		225,000 Lb. Hanging Counterweight		Oper. Rad. Feet
			Boom Capacity Pounds	Minimum Boom Capacity To Swing and Travel Pounds	Boom Capacity Pounds	Minimum Boom Capacity To Swing and Travel Pounds	Boom Capacity Pounds	Minimum Boom Capacity To Swing and Travel Pounds	Boom Capacity Pounds	Minimum Boom Capacity To Swing and Travel Pounds	Boom Capacity Pounds	Minimum Boom Capacity To Swing and Travel Pounds	Boom Capacity Pounds	
34	82.6	208.0	342,000 *	108,200	380,400 *	158,800	403,200 *	209,300	426,000 *	259,900	448,800 *	323,100	477,300 *	34
36	82.0	207.7	323,000 *	97,900	359,000 *	144,900	380,600 *	191,800	402,200 *	238,800	423,800 *	297,500	450,800 *	36
38	81.5	207.4	303,200	89,000	339,700 *	132,800	360,200 *	176,700	380,800 *	220,500	401,300 *	275,300	427,000 *	38
40	80.9	207.0	280,100	81,100	322,200 *	122,200	341,800 *	163,300	361,400 *	204,400	380,900 *	255,800	405,400 *	40
42	80.3	206.6	260,000	74,200	306,400 *	112,900	325,100 *	151,600	343,700 *	190,300	362,400 *	238,600	385,700 *	42
44	79.7	206.3	242,400	68,000	291,900 *	104,500	309,800 *	141,100	327,600 *	177,600	345,500 *	223,300	367,800 *	44
46	79.1	205.9	226,900	62,400	277,200 *	97,100	295,700 *	131,700	312,800 *	166,300	330,000 *	209,600	351,400 *	46
48	78.5	205.4	213,000	57,400	260,600	90,300	282,800 *	123,200	299,300 *	156,100	315,700 *	197,200	336,200 *	48
50	78.0	205.0	200,600	52,900	245,700	84,200	270,900 *	115,600	286,700 *	146,900	302,500 *	186,000	322,300 *	50
55	76.5	203.8	174,400	43,300	214,400	71,200	242,500	99,200	259,200 *	127,200	273,600 *	162,100	291,600 *	55
60	75.0	202.4	153,700	35,400	189,500	60,700	214,700	86,000	236,100 *	111,300	249,300 *	142,800	265,900 *	60
65	73.5	200.9	136,800	29,000	169,300	52,000	192,100	75,100	215,000	98,100	228,700 *	126,900	244,000 *	65
70	72.0	199.3	122,700	23,500	152,500	44,700	173,400	65,900	194,300	87,000	210,900 *	113,500	225,200 *	70
75	70.5	197.5	110,900	18,900	138,300	38,500	157,600	58,100	176,800	77,600	195,400 *	102,100	208,700 *	75
80	68.9	195.6	100,800	14,900	126,200	33,100	144,100	51,300	161,900	69,500	179,800	92,300	194,300 *	80
85	67.4	193.5	92,000	11,400	115,700	28,400	132,400	45,400	149,000	62,500	165,700	83,700	181,500 *	85
90	65.8	191.3	84,400	8,300	106,600	24,300	122,200	40,300	137,700	56,200	153,300	76,200	170,100 *	90
95	64.2	188.8	77,700	5,600	98,500	20,700	113,200	35,700	127,800	50,700	142,500	69,500	159,900 *	95
100	62.6	186.2	71,700	3,200	91,400	17,400	105,200	31,600	119,000	45,800	132,800	63,600	150,100	100
105	61.0	183.5	66,400	1,000	85,000	14,500	98,100	27,900	111,100	41,400	124,200	58,200	140,600	105
110	59.3	180.5	61,500		79,200	11,800	91,600	24,600	104,100	37,400	116,500	53,400	132,000	110
120	55.9	173.9	53,200		69,300	7,200	80,600	18,900	91,900	30,500	103,100	45,100	117,200	120
130	52.3	166.5	46,300		61,000	3,400	71,400	14,000	81,700	24,700	92,000	38,100	104,900	130
140	48.5	158.0	40,500		54,000	100	63,600	9,900	73,100	19,800	82,600	32,100	94,500	140
150	44.5	148.2	35,500		48,000		56,900	6,400	65,700	15,500	74,500	26,900	85,600	150
160	40.2	136.9	31,100		42,800		51,100	3,200	59,300	11,800	67,600	22,500	77,900	160
170	35.5	123.6	27,300		38,200		46,000	500	53,700	8,500	61,400	18,500	71,100	170
180	30.0	107.6	23,900		34,200		41,500		48,700	5,500	56,000	15,000	65,100	180



# Liftcrane Boom Capacities

Boom No. 49A-44 With Heavy Lift Top  
 169,200 Lb. (2250) or 167,000 Lb. (M-250) Crane Counterweight  
 60,000 Lb. Carbody Counterweight - 0 Lb. Thru 225,000 Lb. Hanging Counterweight  
 360 Degree Rating

Meets  
 ANSI B30.5  
 Requirements

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

## 220 Ft. Boom

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	0 Lb. Hanging Counterweight	55,000 Lb. Hanging Counterweight		95,000 Lb. Hanging Counterweight		135,000 Lb. Hanging Counterweight		175,000 Lb. Hanging Counterweight		225,000 Lb. Hanging Counterweight		Oper. Rad. Feet
			Boom Capacity Pounds	Minimum Boom Capacity To Swing and Travel Pounds	Boom Capacity Pounds	Minimum Boom Capacity To Swing and Travel Pounds	Boom Capacity Pounds	Minimum Boom Capacity To Swing and Travel Pounds	Boom Capacity Pounds	Minimum Boom Capacity To Swing and Travel Pounds	Boom Capacity Pounds	Minimum Boom Capacity To Swing and Travel Pounds	Boom Capacity Pounds	
36	82.8	227.9	320,900 *	99,300	357,800 *	147,000	379,400 *	194,700	388,900 *	242,400	388,900 *	279,200	388,900 *	36
38	82.2	227.6	303,100	90,100	338,500 *	134,600	359,100 *	179,100	379,600 *	223,600	388,900 *	259,300	388,900 *	38
40	81.7	227.3	279,900	82,100	321,100 *	123,800	340,700 *	165,400	360,200 *	207,100	379,800 *	241,600	384,600 *	40
42	81.2	227.0	259,800	74,900	305,300 *	114,200	323,900 *	153,400	342,600 *	192,600	361,300 *	226,000	366,700 *	42
44	80.7	226.6	242,200	68,600	290,800 *	105,600	308,600 *	142,700	326,500 *	179,700	344,400 *	211,900	350,300 *	44
46	80.1	226.2	226,600	62,900	276,900	98,000	294,600 *	133,000	311,700 *	168,100	328,900 *	199,300	335,100 *	46
48	79.6	225.9	212,700	57,800	260,300	91,100	281,700 *	124,400	298,200 *	157,700	314,600 *	187,800	321,200 *	48
50	79.1	225.5	200,200	53,200	245,300	84,800	269,800 *	116,500	285,600 *	148,200	301,400 *	163,500	290,600 *	50
55	77.7	224.4	174,000	43,300	214,000	71,600	242,100	99,900	258,100 *	128,100	272,500 *	143,800	264,800 *	55
60	76.4	223.1	153,200	35,300	189,100	60,800	214,300	86,400	235,000 *	111,900	248,300 *	127,600	243,000 *	60
65	75.0	221.8	136,300	28,700	168,800	52,000	191,600	75,200	214,500	98,500	227,600 *	114,000	224,100 *	65
70	73.7	220.3	122,200	23,200	151,900	44,500	172,800	65,900	193,700	87,300	209,800 *	102,400	207,700 *	70
75	72.3	218.7	110,300	18,500	137,700	38,200	157,000	58,000	176,300	77,700	194,400 *	92,400	193,300 *	75
80	70.9	217.0	100,200	14,400	125,600	32,700	143,500	51,100	161,300	69,500	179,200	83,700	180,500 *	80
85	69.5	215.1	91,400	10,800	115,100	28,000	131,800	45,100	148,400	62,300	165,000	76,100	169,100 *	85
90	68.1	213.1	83,800	7,700	106,000	23,800	121,500	39,900	137,100	56,000	152,700	69,300	158,900 *	90
95	66.7	211.0	77,000	5,000	97,900	20,100	112,500	35,200	127,200	50,400	141,800	63,300	149,500	95
100	65.3	208.6	71,000	2,500	90,700	16,800	104,500	31,100	118,400	45,400	132,200	57,900	139,900	100
105	63.8	206.2	65,700	300	84,300	13,800	97,400	27,400	110,500	40,900	123,600	53,000	131,300	105
110	62.4	203.6	60,900		78,500	11,100	91,000	24,000	103,400	36,900	115,800	44,500	116,500	110
120	59.4	197.8	52,500		68,600	6,500	79,900	18,200	91,200	29,900	102,400	37,400	104,200	120
130	56.3	191.3	45,600		60,300	2,600	70,600	13,300	81,000	24,000	91,300	31,400	93,800	130
140	53.0	184.0	39,700		53,300		62,800	9,100	72,300	19,000	81,900	26,200	84,800	140
150	49.7	175.8	34,700		47,300		56,100	5,500	65,000	14,700	73,800	21,700	77,100	150
160	46.1	166.5	30,300		42,100		50,300	2,400	58,600	11,000	66,800	17,700	70,300	160
170	42.3	156.0	26,500		37,500		45,200		52,900	7,700	60,700	14,200	64,300	170
180	38.2	143.9	23,100		33,400		40,700		48,000	4,700	55,200	11,000	59,000	180
190	33.7	129.7	20,100		29,800		36,700		43,600	2,100	50,400	8,100	54,200	190
200	28.6	112.7	17,300		26,600		33,100		39,600		46,100			200



# Liftcrane Boom Capacities

**Boom No. 49A-44 With Heavy Lift Top**  
**169,200 Lb. (2250) or 167,000 Lb. (M-250) Crane Counterweight**  
**60,000 Lb. Carbody Counterweight - 0 Lb. Thru 225,000 Lb. Hanging Counterweight**  
**360 Degree Rating**

Meets  
**ANSI B30.5**  
 Requirements

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

**240 Ft. Boom**

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	0 Lb. Hanging Counterweight	55,000 Lb. Hanging Counterweight		95,000 Lb. Hanging Counterweight		135,000 Lb. Hanging Counterweight		175,000 Lb. Hanging Counterweight		225,000 Lb. Hanging Counterweight		Oper. Rad. Feet
			Boom Capacity Pounds	Minimum Boom Capacity To Swing and Travel Pounds	Boom Capacity Pounds	Minimum Boom Capacity To Swing and Travel Pounds	Boom Capacity Pounds	Minimum Boom Capacity To Swing and Travel Pounds	Boom Capacity Pounds	Minimum Boom Capacity To Swing and Travel Pounds	Boom Capacity Pounds	Minimum Boom Capacity To Swing and Travel Pounds	Boom Capacity Pounds	
38	82.9	247.8	302,300 *	91,700	337,500 *	136,800	358,500 *	181,900	369,300 *	227,000	369,300 *	263,000	369,300 *	38
40	82.4	247.5	280,200	83,400	320,400 *	125,700	340,100 *	167,900	359,600 *	210,200	369,300 *	245,000	369,300 *	40
42	81.9	247.2	260,000	76,100	304,700 *	115,800	323,300 *	155,600	342,000 *	195,300	360,700 *	245,000	369,300 *	42
44	81.4	246.9	242,400	69,600	290,200 *	107,100	308,100 *	144,600	325,900 *	182,100	343,800 *	228,900	366,100 *	44
46	81.0	246.6	226,700	63,800	276,900 *	99,300	294,000 *	134,800	311,200 *	170,300	328,300 *	214,600	349,700 *	46
48	80.5	246.2	212,800	58,600	260,300	92,200	281,100 *	125,900	297,600 *	159,600	314,000 *	201,700	334,600 *	48
50	80.0	245.8	200,300	53,800	245,400	85,900	269,200 *	117,900	285,000 *	150,000	300,800 *	190,000	320,600 *	50
55	78.8	244.8	174,000	43,800	214,000	72,300	242,000	100,900	257,500 *	129,500	271,900 *	165,200	290,000 *	55
60	77.5	243.7	153,100	35,600	189,000	61,400	214,200	87,200	234,400 *	113,000	247,700 *	145,200	264,300 *	60
65	76.3	242.5	136,100	28,900	168,700	52,400	191,500	75,900	214,300	99,300	227,100 *	128,700	242,400 *	65
70	75.1	241.2	122,100	23,300	151,800	44,800	172,700	66,400	193,600	87,900	209,300 *	114,800	223,500 *	70
75	73.8	239.7	110,200	18,500	137,600	38,400	156,800	58,300	176,100	78,200	193,800 *	103,100	207,100 *	75
80	72.6	238.1	100,000	14,300	125,400	32,800	143,300	51,300	161,100	69,800	179,000	92,900	192,700 *	80
85	71.3	236.4	91,200	10,700	114,900	28,000	131,500	45,300	148,200	62,500	164,800	84,100	180,000 *	85
90	70.1	234.6	83,500	7,500	105,700	23,700	121,300	39,900	136,900	56,100	152,500	76,400	168,600 *	90
95	68.8	232.7	76,800	4,700	97,600	20,000	112,300	35,200	126,900	50,500	141,600	69,500	158,400 *	95
100	67.5	230.6	70,800	2,200	90,400	16,600	104,300	31,000	118,100	45,400	131,900	63,400	149,100 *	100
105	66.2	228.4	65,400		84,000	13,600	97,100	27,300	110,200	40,900	123,300	58,000	139,600	105
110	64.9	226.0	60,500		78,200	10,900	90,700	23,900	103,100	36,800	115,500	53,000	131,000	110
120	62.2	220.9	52,200		68,300	6,200	79,500	18,000	90,800	29,700	102,100	44,500	116,200	120
130	59.4	215.1	45,300		60,000	2,200	70,300	13,000	80,600	23,800	90,900	37,300	103,900	130
140	56.6	208.7	39,400		52,900		62,500	8,800	72,000	18,800	81,500	31,200	93,400	140
150	53.6	201.6	34,300		46,900		55,700	5,200	64,600	14,400	73,400	26,000	84,500	150
160	50.6	193.6	29,900		41,700		49,900	2,000	58,200	10,600	66,400	21,400	76,700	160
170	47.4	184.7	26,100		37,100		44,800		52,500	7,300	60,300	17,400	69,900	170
180	44.0	174.7	22,700		33,000		40,300		47,600	4,300	54,800	13,800	63,900	180
190	40.4	163.4	19,700		29,400		36,300		43,200	1,700	50,000	10,600	58,600	190
200	36.5	150.5	17,000		26,200		32,700		39,200		45,700	7,800	53,800	200
210	32.2	135.5	14,500		23,300		29,400		35,600		41,800	5,200	49,500	210
220	27.3	117.5	12,200		20,600		26,500		32,300		38,200	2,800	45,600	220





# Liftcrane Boom Capacities

Boom No. 49A-44 With Heavy Lift Top  
 169,200 Lb. (2250) or 167,000 Lb. (M-250) Crane Counterweight  
 60,000 Lb. Carbody Counterweight - 0 Lb. Thru 225,000 Lb. Hanging Counterweight  
 360 Degree Rating

Meets  
 ANSI B30.5  
 Requirements

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

**260 Ft. Boom**

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	0 Lb. Hanging Counterweight		55,000 Lb. Hanging Counterweight		95,000 Lb. Hanging Counterweight		135,000 Lb. Hanging Counterweight		175,000 Lb. Hanging Counterweight		225,000 Lb. Hanging Counterweight		Oper. Rad. Feet
			Boom Capacity Pounds	Minimum Boom Capacity To Swing and Travel Pounds	Boom Capacity Pounds	Minimum Boom Capacity To Swing and Travel Pounds	Boom Capacity Pounds	Minimum Boom Capacity To Swing and Travel Pounds	Boom Capacity Pounds	Minimum Boom Capacity To Swing and Travel Pounds	Boom Capacity Pounds	Minimum Boom Capacity To Swing and Travel Pounds	Boom Capacity Pounds	Minimum Boom Capacity To Swing and Travel Pounds	
40	83.0	267.7	279,900	84,200	318,600 *	127,000	322,900 *	169,800	322,900 *	212,600	322,900 *			40	
42	82.5	267.4	259,700	76,700	303,000 *	116,900	321,700 *	157,200	321,700 *	197,400	321,700 *			42	
44	82.1	267.1	242,000	70,100	288,700 *	108,000	307,000 *	146,000	317,800 *	183,900	317,800 *	231,400	317,800 *	44	
46	81.7	266.8	226,300	64,100	275,500 *	100,000	293,000 *	135,900	310,100 *	171,800	314,000 *	216,700	314,000 *	46	
48	81.2	266.5	212,300	58,800	259,900	92,900	280,100 *	126,900	296,500 *	161,000	310,100 *	203,600	310,100 *	48	
50	80.8	266.2	199,800	54,000	244,900	86,400	268,200 *	118,800	284,000 *	151,200	299,800 *	191,700	306,300 *	50	
55	79.6	265.2	173,500	43,700	213,500	72,600	241,500	101,500	256,500 *	130,300	270,900 *	166,400	288,900 *	55	
60	78.5	264.2	152,600	35,400	188,400	61,400	213,600	87,500	233,400 *	113,500	246,700 *	146,000	263,300 *	60	
65	77.4	263.1	135,600	28,600	168,100	52,300	190,900	76,000	213,800	99,700	226,100 *	129,300	241,400 *	65	
70	76.3	261.9	121,500	22,800	151,200	44,600	172,100	66,300	193,000	88,100	208,300 *	115,200	222,600 *	70	
75	75.1	260.5	109,600	18,000	137,000	38,000	156,200	58,100	175,500	78,200	192,800 *	103,300	206,200 *	75	
80	74.0	259.1	99,400	13,800	124,800	32,400	142,600	51,100	160,500	69,700	178,300	93,000	191,800 *	80	
85	72.8	257.5	90,600	10,100	114,300	27,500	130,900	44,900	147,500	62,300	164,200	84,100	179,000 *	85	
90	71.7	255.9	82,900	6,900	105,100	23,200	120,600	39,600	136,200	55,900	151,800	76,300	167,600 *	90	
95	70.5	254.1	76,100	4,100	97,000	19,400	111,600	34,800	126,300	50,100	140,900	69,300	157,400 *	95	
100	69.3	252.2	70,100	1,500	89,800	16,000	103,600	30,500	117,400	45,000	131,200	63,200	148,200 *	100	
105	68.1	250.2	64,700		83,300	13,000	96,400	26,700	109,500	40,500	122,600	57,600	139,000	105	
110	66.9	248.1	59,900		77,600	10,200	90,000	23,300	102,400	36,300	114,800	52,600	130,400	110	
120	64.5	243.4	51,500		67,600	5,500	78,900	17,300	90,100	29,200	101,400	44,000	115,500	120	
130	62.0	238.2	44,600		59,300	1,500	69,600	12,300	79,900	23,200	90,300	36,800	103,200	130	
140	59.5	232.5	38,700		52,200		61,800	8,100	71,300	18,100	80,800	30,600	92,700	140	
150	56.9	226.1	33,600		46,200		55,100	4,400	63,900	13,700	72,700	25,300	83,800	150	
160	54.2	219.1	29,300		41,000		49,200	1,300	57,500	9,900	65,700	20,700	76,000	160	
170	51.4	211.3	25,400		36,400		44,100		51,900	6,600	59,600	16,700	69,200	170	
180	48.5	202.7	22,000		32,400		39,600		46,900	3,600	54,200	13,100	63,300	180	
190	45.4	193.1	19,000		28,800		35,600		42,500	900	49,300	9,900	57,900	190	
200	42.2	182.5	16,300		25,500		32,000		38,500		45,000	7,100	53,100	200	
210	38.7	170.5	13,800		22,600		28,800		34,900		41,100	4,500	48,800	210	
220	35.0	156.8	11,600		19,900		25,800		31,700		37,600	2,100	44,900	220	
230	30.9	141.0			17,500		23,100		28,700		34,300		41,300	230	
240	26.2	122.1			15,300		20,600		26,000		31,400		37,600 *	240	



# Liftcrane Boom Capacities

**Boom No. 49A-44 With Heavy Lift Top**  
**169,200 Lb. (2250) or 167,000 Lb. (M-250) Crane Counterweight**  
**60,000 Lb. Carbody Counterweight - 0 Lb. Thru 225,000 Lb. Hanging Counterweight**  
**360 Degree Rating**

Meets  
**ANSI B30.5**  
 Requirements

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

**280 Ft. Boom**

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	0 Lb. Hanging Counterweight		55,000 Lb. Hanging Counterweight		95,000 Lb. Hanging Counterweight		135,000 Lb. Hanging Counterweight		175,000 Lb. Hanging Counterweight		225,000 Lb. Hanging Counterweight		Oper. Rad. Feet
			Boom Capacity Pounds	Minimum Boom Capacity To Swing and Travel Pounds	Boom Capacity Pounds	Minimum Boom Capacity To Swing and Travel Pounds	Boom Capacity Pounds	Minimum Boom Capacity To Swing and Travel Pounds	Boom Capacity Pounds	Minimum Boom Capacity To Swing and Travel Pounds	Boom Capacity Pounds	Minimum Boom Capacity To Swing and Travel Pounds	Boom Capacity Pounds	Minimum Boom Capacity To Swing and Travel Pounds	
44	82.7	287.3	241,900	70,900	287,100 *	109,300	290,400 *	147,700	290,400 *	186,100	290,400 *	205,800	283,500 *	44	
46	82.3	287.1	226,200	64,800	274,000 *	101,100	287,000 *	137,500	287,000 *	173,800	287,000 *			46	
48	81.8	286.8	212,200	59,400	259,700	93,800	279,300 *	128,300	283,500 *	162,700	283,500 *	205,800	283,500 *	48	
50	81.4	286.4	199,600	54,400	244,700	87,200	267,400 *	120,000	280,100 *	152,700	280,100 *	193,700	280,100 *	50	
55	80.4	285.6	173,200	44,000	213,200	73,100	241,300	102,300	255,700 *	131,500	270,100 *	168,000	271,600 *	55	
60	79.4	284.6	152,300	35,500	188,100	61,800	213,300	88,100	232,700 *	114,400	245,900 *	147,200	262,500 *	60	
65	78.3	283.6	135,200	28,600	167,700	52,500	190,600	76,400	213,000 *	100,300	225,300 *	130,200	240,600 *	65	
70	77.3	282.5	121,100	22,800	150,800	44,700	171,700	66,600	192,600	88,500	207,500 *	115,900	221,800 *	70	
75	76.2	281.2	109,100	17,800	136,500	38,100	155,800	58,300	175,100	78,500	192,100 *	103,800	205,400 *	75	
80	75.1	279.9	98,900	13,600	124,300	32,300	142,200	51,100	160,100	69,900	177,900	93,400	191,000 *	80	
85	74.1	278.5	90,100	9,800	113,800	27,400	130,400	44,900	147,100	62,400	163,700	84,400	178,300 *	85	
90	73.0	276.9	82,400	6,600	104,600	23,000	120,200	39,500	135,800	55,900	151,300	76,400	166,900 *	90	
95	71.9	275.3	75,600	3,700	96,500	19,200	111,100	34,600	125,800	50,100	140,400	69,400	156,700 *	95	
100	70.9	273.6	69,600	1,100	89,300	15,700	103,100	30,300	116,900	44,900	130,700	63,200	147,500 *	100	
105	69.8	271.7	64,200		82,800	12,700	95,900	26,500	109,000	40,300	122,100	57,600	138,500	105	
110	68.7	269.7	59,400		77,000	9,900	89,500	23,000	101,900	36,100	114,300	52,500	129,800	110	
120	66.4	265.5	51,000		67,000	5,100	78,300	17,000	89,600	28,900	100,900	43,800	115,000	120	
130	64.2	260.8	44,000		58,700	1,000	69,100	11,900	79,400	22,800	89,700	36,500	102,600	130	
140	61.9	255.5	38,100		51,700		61,200	7,600	70,700	17,700	80,300	30,300	92,200	140	
150	59.5	249.8	33,100		45,600		54,500	4,000	63,300	13,300	72,200	25,000	83,200	150	
160	57.1	243.5	28,700		40,400		48,700	700	56,900	9,400	65,100	20,300	75,500	160	
170	54.6	236.5	24,800		35,800		43,500		51,300	6,100	59,000	16,300	68,700	170	
180	52.0	228.9	21,400		31,800		39,000		46,300	3,100	53,600	12,700	62,700	180	
190	49.4	220.6	18,400		28,200		35,000		41,900	400	48,700	9,400	57,300	190	
200	46.6	211.3	15,700		24,900		31,400		37,900		44,400	6,600	52,500	200	
210	43.7	201.2	13,200		22,000		28,200		34,300		40,500	3,900	48,200	210	
220	40.6	189.9	11,000		19,300		25,200		31,100		37,000	1,600	44,300	220	
230	37.3	177.2			16,900		22,500		28,100		33,700		40,700	230	
240	33.7	162.9			14,700		20,100		25,400		30,800		37,500	240	
250	29.7	146.3			12,700		17,800		22,900		28,100		34,500	250	
260	25.2	126.6			10,700		15,700		20,600		25,500		30,500 *	260	



# Liftcrane Boom Capacities

Boom No. 49A-44 With Heavy Lift Top  
 169,200 Lb. (2250) or 167,000 Lb. (M-250) Crane Counterweight  
 60,000 Lb. Carbody Counterweight - 0 Lb. Thru 225,000 Lb. Hanging Counterweight  
 360 Degree Rating

Meets  
 ANSI B30.5  
 Requirements

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

## 300 Ft. Boom

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	0 Lb. Hanging Counterweight	55,000 Lb. Hanging Counterweight		95,000 Lb. Hanging Counterweight		135,000 Lb. Hanging Counterweight		175,000 Lb. Hanging Counterweight		225,000 Lb. Hanging Counterweight		Oper. Rad. Feet
			Boom Capacity Pounds	Minimum Boom Capacity To Swing and Travel Pounds	Boom Capacity Pounds	Minimum Boom Capacity To Swing and Travel Pounds	Boom Capacity Pounds	Minimum Boom Capacity To Swing and Travel Pounds	Boom Capacity Pounds	Minimum Boom Capacity To Swing and Travel Pounds	Boom Capacity Pounds	Minimum Boom Capacity To Swing and Travel Pounds	Boom Capacity Pounds	
46	82.8	307.3	225,600	64,800	225,900 *	101,600	225,900 *	138,300	225,900 *					46
48	82.4	307.0	211,500	59,300	223,300 *	94,100	223,300 *	128,900	223,300 *	163,800	223,300 *			48
50	82.0	306.7	198,900	54,300	220,700 *	87,400	220,700 *	120,500	220,700 *	153,600	220,700 *			50
55	81.0	305.9	172,500	43,600	212,500	73,100	214,200 *	102,500	214,200 *	132,000	214,200 *			55
60	80.1	305.0	151,600	35,000	187,400	61,600	207,800 *	88,100	207,800 *	114,600	207,800 *	147,800	207,800 *	60
65	79.1	304.0	134,500	28,000	167,000	52,100	189,800	76,200	201,500 *	100,300	201,500 *	130,500	201,500 *	65
70	78.1	303.0	120,300	22,100	150,000	44,200	170,900	66,300	191,800	88,400	195,200 *	116,000	195,200 *	70
75	77.1	301.8	108,300	17,000	135,700	37,400	155,000	57,800	174,300	78,300	189,100 *	103,800	189,100 *	75
80	76.2	300.6	98,100	12,700	123,500	31,700	141,400	50,600	159,200	69,500	177,100	93,200	183,100 *	80
85	75.2	299.3	89,300	9,000	113,000	26,600	129,600	44,300	146,300	62,000	162,900	84,100	177,100 *	85
90	74.2	297.8	81,600	5,700	103,800	22,200	119,300	38,800	134,900	55,300	150,500	76,000	165,800 *	90
95	73.2	296.3	74,800	2,800	95,600	18,300	110,300	33,900	124,900	49,500	139,600	68,900	155,600 *	95
100	72.2	294.7	68,800	200	88,400	14,900	102,300	29,600	116,100	44,300	129,900	62,600	146,400 *	100
105	71.2	293.0	63,400		82,000	11,800	95,100	25,700	108,200	39,600	121,200	57,000	137,600	105
110	70.2	291.2	58,500		76,200	9,000	88,600	22,200	101,000	35,400	113,500	51,900	129,000	110
120	68.1	287.3	50,100		66,200	4,100	77,500	16,100	88,800	28,100	100,000	43,100	114,100	120
130	66.0	282.9	43,200		57,900		68,200	11,000	78,500	22,000	88,900	35,700	101,800	130
140	63.9	278.1	37,300		50,800		60,400	6,700	69,900	16,800	79,400	29,400	91,300	140
150	61.7	272.9	32,200		44,800		53,600	3,000	62,500	12,400	71,300	24,100	82,400	150
160	59.5	267.1	27,800		39,600		47,800		56,000	8,500	64,300	19,400	74,600	160
170	57.3	260.8	24,000		35,000		42,700		50,400	5,100	58,100	15,300	67,800	170
180	55.0	254.0	20,600		30,900		38,200		45,500	2,100	52,700	11,700	61,800	180
190	52.6	246.5	17,500		27,300		34,200		41,000		47,900	8,500	56,500	190
200	50.1	238.3	14,800		24,100		30,600		37,100		43,600	5,600	51,700	200
210	47.6	229.4	12,400		21,200		27,300		33,500		39,700	3,000	47,400	210
220	44.9	219.7	10,200		18,500		24,400		30,300		36,100	600	43,500	220
230	42.1	208.9			16,100		21,700		27,300		32,900		39,900	230
240	39.1	197.0			13,900		19,200		24,600		30,000		36,700	240
250	35.9	183.7			11,800		17,000		22,100		27,300		33,700	250
260	32.5	168.7			10,000		14,900		19,800		24,700		30,900	260
270	28.7	151.4					12,900		17,700		22,400		26,200 *	270



# Liftcrane Boom Capacities

**Boom No. 49A-44 With Heavy Lift Top**  
**169,200 Lb. (2250) or 167,000 Lb. (M-250) Crane Counterweight**  
**60,000 Lb. Carbody Counterweight - 0 Lb. Thru 225,000 Lb. Hanging Counterweight**  
**360 Degree Rating**

Meets  
ANSI B30.5  
Requirements

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

## 320 Ft. Boom

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	55,000 Lb. Hanging Counterweight		95,000 Lb. Hanging Counterweight		135,000 Lb. Hanging Counterweight		175,000 Lb. Hanging Counterweight		225,000 Lb. Hanging Counterweight		Oper. Rad. Feet
			Minimum Boom Capacity To Swing and Travel Pounds	Boom Capacity Pounds	Minimum Boom Capacity To Swing and Travel Pounds	Boom Capacity Pounds	Minimum Boom Capacity To Swing and Travel Pounds	Boom Capacity Pounds	Minimum Boom Capacity To Swing and Travel Pounds	Boom Capacity Pounds	Minimum Boom Capacity To Swing and Travel Pounds	Boom Capacity Pounds	
48	82.9	327.2	59,600	201,800 *	94,800	201,800 *	130,000	201,800 *					48
50	82.5	326.9	54,500	199,500 *	88,000	199,500 *	121,400	199,500 *					50
55	81.6	326.1	43,700	193,600 *	73,400	193,600 *	103,200	193,600 *	132,900	193,600 *			55
60	80.7	325.3	34,900	187,100	61,700	187,600 *	88,500	187,600 *	115,200	187,600 *			60
65	79.8	324.4	27,800	166,600	52,100	181,800 *	76,400	181,800 *	100,700	181,800 *	131,200	181,800 *	65
70	78.9	323.4	21,800	149,600	44,000	170,500	66,300	176,000 *	88,600	176,000 *	116,500	176,000 *	70
75	78.0	322.4	16,700	135,300	37,200	154,600	57,800	170,300 *	78,300	170,300 *	104,100	170,300 *	75
80	77.0	321.2	12,300	123,100	31,400	140,900	50,400	158,800	69,500	164,600 *	93,400	164,600 *	80
85	76.1	320.0	8,500	112,500	26,300	129,100	44,100	145,800	61,800	159,200 *	84,100	159,200 *	85
90	75.2	318.6	5,100	103,200	21,800	118,800	38,500	134,400	55,100	150,000	76,000	153,800 *	90
95	74.3	317.2	2,200	95,100	17,900	109,800	33,500	124,400	49,200	139,100	68,800	148,500 *	95
100	73.3	315.7		87,900	14,300	101,700	29,100	115,500	43,900	129,400	62,400	143,400 *	100
105	72.4	314.1		81,400	11,200	94,500	25,200	107,600	39,200	120,700	56,700	137,100	105
110	71.4	312.4		75,600	8,400	88,100	21,600	100,500	34,900	112,900	51,500	128,400	110
120	69.5	308.8		65,600	3,400	76,900	15,500	88,200	27,600	99,500	42,600	113,600	120
130	67.6	304.8		57,300		67,600	10,400	77,900	21,400	88,300	35,200	101,200	130
140	65.6	300.3		50,200		59,700	6,000	69,300	16,200	78,800	28,900	90,700	140
150	63.7	295.5		44,200		53,000	2,300	61,900	11,700	70,700	23,500	81,700	150
160	61.6	290.2		38,900		47,200		55,400	7,800	63,700	18,800	74,000	160
170	59.6	284.4		34,300		42,100		49,800	4,400	57,500	14,700	67,200	170
180	57.5	278.2		30,300		37,600		44,800	1,400	52,100	11,000	61,200	180
190	55.3	271.4		26,700		33,500		40,400		47,300	7,800	55,800	190
200	53.1	264.0		23,400		29,900		36,400		42,900	4,900	51,100	200
210	50.8	256.1		20,500		26,700		32,900		39,000	2,200	46,700	210
220	48.4	247.4		17,900		23,700		29,600		35,500		42,800	220
230	45.9	238.0		15,500		21,100		26,700		32,300		39,300	230
240	43.4	227.6		13,200		18,600		24,000		29,300		36,000	240
250	40.7	216.3		11,200		16,300		21,500		26,600		30,800 *	250
260	37.8	203.9				14,300		19,200		24,100		25,100 *	260
270	34.7	190.0				12,300		17,100		19,600 *		19,600 *	270
280	31.4	174.3				10,100 *		14,300 *		14,300 *		14,300 *	280



# Liftcrane Boom Capacities

Boom No. 49A-44 With Heavy Lift Top  
 169,200 Lb. (2250) or 167,000 Lb. (M-250) Crane Counterweight  
 60,000 Lb. Carbody Counterweight - 0 Lb. Thru 225,000 Lb. Hanging Counterweight  
 360 Degree Rating

Meets  
 ANSI B30.5  
 Requirements

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

## 340 Ft. Boom

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	55,000 Lb. Hanging Counterweight		95,000 Lb. Hanging Counterweight		135,000 Lb. Hanging Counterweight		175,000 Lb. Hanging Counterweight		225,000 Lb. Hanging Counterweight		Oper. Rad. Feet
			Minimum Boom Capacity To Swing and Travel Pounds	Boom Capacity Pounds	Minimum Boom Capacity To Swing and Travel Pounds	Boom Capacity Pounds	Minimum Boom Capacity To Swing and Travel Pounds	Boom Capacity Pounds	Minimum Boom Capacity To Swing and Travel Pounds	Boom Capacity Pounds	Minimum Boom Capacity To Swing and Travel Pounds	Boom Capacity Pounds	
50	83.0	347.1	54,100	163,100 *	87,900	163,100 *	121,700	163,100 *					50
55	82.1	346.4	43,100	158,500 *	73,100	158,500 *	103,100	158,500 *					55
60	81.3	345.6	34,200	153,800 *	61,200	153,800 *	88,200	153,800 *	115,200	153,800 *			60
65	80.4	344.8	27,000	149,100 *	51,500	149,100 *	76,000	149,100 *	100,500	149,100 *			65
70	79.5	343.8	20,900	144,400 *	43,300	144,400 *	65,800	144,400 *	88,300	144,400 *			70
75	78.7	342.8	15,700	134,400	36,400	139,800 *	57,100	139,800 *	77,900	139,800 *	103,800	139,800 *	75
80	77.8	341.7	11,300	122,100	30,500	135,100 *	49,700	135,100 *	68,900	135,100 *	93,000	135,100 *	80
85	77.0	340.6	7,400	111,500	25,400	128,200	43,300	130,600 *	61,200	130,600 *	83,600	130,600 *	85
90	76.1	339.3	4,100	102,300	20,800	117,900	37,600	126,100 *	54,400	126,100 *	75,400	126,100 *	90
95	75.2	338.0	1,100	94,200	16,900	108,800	32,600	121,700 *	48,400	121,700 *	68,100	121,700 *	95
100	74.3	336.6		86,900	13,300	100,800	28,200	114,600	43,100	117,400 *	61,700	117,400 *	100
105	73.5	335.1		80,500	10,100	93,600	24,200	106,600	38,300	113,200 *	55,900	113,200 *	105
110	72.6	333.5		74,700	7,300	87,100	20,600	99,500	34,000	109,000 *	50,700	109,000 *	110
120	70.8	330.1		64,600	2,300	75,900	14,400	87,200	26,600	98,500	41,700	101,000 *	120
130	69.0	326.4		56,300		66,600	9,300	77,000	20,400	87,300	34,200	93,300 *	130
140	67.2	322.2		49,200		58,800	4,900	68,300	15,100	77,800	27,900	85,800 *	140
150	65.3	317.7		43,200		52,000	1,100	60,900	10,600	69,700	22,400	78,700 *	150
160	63.4	312.8		37,900		46,200		54,400	6,700	62,700	17,700	71,800 *	160
170	61.5	307.5		33,400		41,100		48,800	3,200	56,500	13,600	65,200 *	170
180	59.6	301.8		29,300		36,600		43,800	200	51,100	9,900	58,800 *	180
190	57.6	295.5		25,700		32,600		39,400		46,300	6,600	52,600 *	190
200	55.6	288.8		22,500		29,000		35,500		42,000	3,700	46,600 *	200
210	53.5	281.6		19,500		25,700		31,900		38,100	1,100	40,800 *	210
220	51.4	273.7		16,900		22,800		28,700		34,500		35,200 *	220
230	49.1	265.3		14,500		20,100		25,700		29,800 *		29,800 *	230
240	46.9	256.1		12,300		17,700		23,000		24,500 *		24,500 *	240
250	44.5	246.2		10,300		15,400		19,400 *		19,400 *		19,400 *	250
260	42.0	235.4				13,300		14,400 *		14,400 *		14,400 *	260