



Liftcrane Boom Capacities

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

Meets
ANSI B30.5
Requirements

MAX-ER 225
On 2250 or
M-250

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

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

Upper boom point capacity for liftcrane service with single part whip line is 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 capacities.

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

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

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

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

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

MACHINE EQUIPMENT: Machine equipped with MAX-ER 225, 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 wheeled counterweight as specified.

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

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



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Maximum Boom and Jib Lengths Lifted Unassisted					
Over Front of Blocked Crawlers		Over Rear of Blocked Crawlers		Over Side of Crawlers	
Boom Length	Jib No. 132	Boom Length	Jib No. 132	Boom Length	Jib No. 132
0 Lb. Wheeled 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. Wheeled 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.
135,000 Lb. Wheeled 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.
225,000 Lb. Wheeled 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.					

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.



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Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	0 Lb. Wheeled Counterweight Boom Capacity Pounds	55,000 Lb. Wheeled Counterweight Boom Capacity Pounds	135,000 Lb. Wheeled Counterweight Boom Capacity Pounds	225,000 Lb. Wheeled Counterweight Boom Capacity Pounds	Oper. Rad. Feet
140 Ft. BOOM							
26	82.7	148.5	452,000 *	500,000 *	500,000 *	500,000 *	26
28	81.9	148.2	421,900 *	466,600 *	499,000 *	499,000 *	28
30	81.1	147.9	395,300 *	436,100 *	487,400 *	498,000 *	30
32	80.2	147.5	371,700 *	409,100 *	457,400 *	497,000 *	32
34	79.4	147.1	350,600 *	385,200 *	430,800 *	482,100 *	34
36	78.6	146.6	330,800	363,800 *	407,000 *	455,600 *	36
38	77.7	146.2	304,300	344,500 *	385,500 *	431,700 *	38
40	76.9	145.7	281,500	327,000 *	366,100 *	410,100 *	40
42	76.0	145.2	261,600	311,100 *	348,500 *	390,500 *	42
44	75.2	144.6	244,200	296,600 *	332,300 *	372,500 *	44
46	74.3	144.0	228,800	279,100	317,600 *	356,100 *	46
48	73.5	143.4	215,000	262,600	304,000 *	340,900 *	48
50	72.6	142.7	202,700	247,800	291,400 *	327,000 *	50
55	70.4	141.0	176,900	216,800	263,800 *	296,300 *	55
60	68.2	138.9	156,300	192,200	240,700 *	270,600 *	60
65	66.0	136.7	139,600	172,100	217,800	248,700 *	65
70	63.7	134.2	125,700	155,500	197,200	229,800 *	70
75	61.4	131.5	114,000	141,400	179,900	213,400 *	75
80	59.0	128.5	104,000	129,400	165,100	198,900 *	80
85	56.5	125.2	95,400	119,000	152,300	186,200 *	85
90	54.0	121.6	87,800	110,000	141,100	174,800 *	90
95	51.4	117.6	81,100	102,000	131,300	164,300	95
100	48.7	113.2	75,200	94,900	122,600	153,700	100
105	45.9	108.4	69,900	88,600	114,700	144,200	105
110	42.9	103.1	65,200	82,900	107,700	135,700	110
115	39.7	97.2	60,900	77,700	101,300	128,000	115
120	36.3	90.5	57,000	73,000	95,600	120,900	120
125	32.5	82.8	53,400	68,700	90,300	114,400 *	125
130	28.3	73.9	50,100	64,800	85,400	107,100 *	130



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360 Degree Rating

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	0 Lb. Wheeled Counterweight Boom Capacity Pounds	55,000 Lb. Wheeled Counterweight Boom Capacity Pounds	135,000 Lb. Wheeled Counterweight Boom Capacity Pounds	225,000 Lb. Wheeled Counterweight Boom Capacity Pounds	Oper. Rad. Feet
160 Ft. BOOM							
28	82.9	168.4	420,300 *	465,300 *	498,000 *	498,000 *	28
30	82.2	168.1	393,800 *	434,800 *	486,100 *	497,000 *	30
32	81.5	167.8	370,200 *	407,900 *	456,200 *	496,000 *	32
34	80.7	167.5	349,100 *	384,000 *	429,700 *	481,000 *	34
36	80.0	167.1	330,100 *	362,600 *	405,900 *	454,500 *	36
38	79.3	166.7	303,900	343,400 *	384,400 *	430,600 *	38
40	78.6	166.2	281,100	325,900 *	365,000 *	409,100 *	40
42	77.8	165.8	261,200	310,100 *	347,400 *	389,400 *	42
44	77.1	165.3	243,800	295,600 *	331,300 *	371,500 *	44
46	76.3	164.8	228,400	278,700	316,500 *	355,100 *	46
48	75.6	164.3	214,600	262,200	303,000 *	339,900 *	48
50	74.9	163.7	202,300	247,400	290,400 *	326,000 *	50
55	73.0	162.1	176,400	216,400	262,900 *	295,400 *	55
60	71.1	160.4	155,900	191,700	239,800 *	269,700 *	60
65	69.2	158.5	139,100	171,600	217,300	247,800 *	65
70	67.2	156.4	125,200	155,000	196,800	228,900 *	70
75	65.3	154.1	113,500	140,900	179,500	212,500 *	75
80	63.3	151.6	103,500	128,900	164,600	198,100 *	80
85	61.2	148.8	94,900	118,600	151,800	185,400 *	85
90	59.1	145.8	87,300	109,500	140,700	174,000 *	90
95	57.0	142.6	80,700	101,500	130,800	163,800 *	95
100	54.8	139.1	74,700	94,400	122,100	153,200	100
105	52.6	135.3	69,500	88,100	114,300	143,700	105
110	50.2	131.1	64,700	82,400	107,200	135,200	110
115	47.8	126.6	60,400	77,200	100,900	127,500	115
120	45.3	121.7	56,500	72,500	95,100	120,500	120
125	42.7	116.3	52,900	68,300	89,800	114,100	125
130	39.9	110.4	49,600	64,300	85,000	108,200	130
135	37.0	103.9	46,600	60,700	80,600	102,900	135
140	33.8	96.6	43,800	57,400	76,500	97,900	140
145	30.3	88.2	41,300	54,300	72,600	93,300	145
150	26.4	78.5	38,800	51,400	69,100	88,800 *	150



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MAX-ER 225
On 2250 or
M-250

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	0 Lb. Wheeled Counterweight Boom Capacity Pounds	55,000 Lb. Wheeled Counterweight Boom Capacity Pounds	135,000 Lb. Wheeled Counterweight Boom Capacity Pounds	225,000 Lb. Wheeled Counterweight Boom Capacity Pounds	Oper. Rad. Feet
180 Ft. BOOM							
32	82.4	188.1	364,900 *	405,000 *	453,300 *	495,000 *	32
34	81.8	187.7	343,900 *	381,100 *	426,700 *	478,000 *	34
36	81.1	187.4	324,900 *	359,700 *	402,900 *	451,500 *	36
38	80.5	187.1	302,700	340,400 *	381,500 *	427,700 *	38
40	79.8	186.7	279,700	322,900 *	362,100 *	406,100 *	40
42	79.2	186.3	259,700	307,100 *	344,400 *	386,400 *	42
44	78.5	185.8	242,200	292,600 *	328,300 *	368,500 *	44
46	77.9	185.4	226,700	277,000	313,500 *	352,100 *	46
48	77.2	184.9	212,800	260,400	299,900 *	336,900 *	48
50	76.6	184.4	200,400	245,600	287,400 *	323,000 *	50
55	74.9	183.1	174,400	214,400	259,900 *	292,300 *	55
60	73.3	181.5	153,700	189,600	236,800 *	266,600 *	60
65	71.6	179.9	136,900	169,400	215,100	244,700 *	65
70	69.9	178.0	122,900	152,600	194,400	225,800 *	70
75	68.2	176.0	111,100	138,500	177,000	209,400 *	75
80	66.4	173.8	101,100	126,500	162,200	195,000 *	80
85	64.7	171.5	92,300	116,000	149,300	182,200 *	85
90	62.9	168.9	84,700	106,900	138,100	170,900 *	90
95	61.1	166.1	78,000	98,900	128,200	160,600 *	95
100	59.2	163.2	72,100	91,700	119,400	150,500	100
105	57.3	160.0	66,800	85,400	111,500	141,000	105
110	55.4	156.5	62,000	79,600	104,500	132,400	110
115	53.4	152.8	57,600	74,500	98,100	124,700	115
120	51.4	148.8	53,700	69,800	92,300	117,700	120
125	49.3	144.6	50,100	65,500	87,000	111,300	125
130	47.1	139.9	46,800	61,500	82,200	105,400	130
135	44.9	134.9	43,800	57,900	77,700	100,000	135
140	42.5	129.5	41,000	54,500	73,600	95,000	140
145	40.1	123.7	38,400	51,400	69,800	90,400	145
150	37.5	117.2	36,000	48,600	66,200	86,100	150
155	34.7	110.1	33,700	45,900	62,900	82,100	155
160	31.7	102.2	31,600	43,300	59,800	78,400	160
165	28.5	93.3	29,600	41,000	56,900	74,900	165



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Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	0 Lb. Wheeled Counterweight Boom Capacity Pounds	55,000 Lb. Wheeled Counterweight Boom Capacity Pounds	135,000 Lb. Wheeled Counterweight Boom Capacity Pounds	225,000 Lb. Wheeled Counterweight Boom Capacity Pounds	Oper. Rad. Feet
200 Ft. BOOM							
34	82.6	208.0	342,000 *	380,400 *	426,000 *	477,300 *	34
36	82.0	207.7	323,000 *	359,000 *	402,200 *	450,800 *	36
38	81.5	207.4	303,200	339,700 *	380,800 *	427,000 *	38
40	80.9	207.0	280,100	322,200 *	361,400 *	405,400 *	40
42	80.3	206.6	260,000	306,400 *	343,700 *	385,700 *	42
44	79.7	206.3	242,400	291,900 *	327,600 *	367,800 *	44
46	79.1	205.9	226,900	277,200	312,800 *	351,400 *	46
48	78.5	205.4	213,000	260,600	299,300 *	336,200 *	48
50	78.0	205.0	200,600	245,700	286,700 *	322,300 *	50
55	76.5	203.8	174,400	214,400	259,200 *	291,600 *	55
60	75.0	202.4	153,700	189,500	236,100 *	265,900 *	60
65	73.5	200.9	136,800	169,300	215,000	244,000 *	65
70	72.0	199.3	122,700	152,500	194,300	225,200 *	70
75	70.5	197.5	110,900	138,300	176,800	208,700 *	75
80	68.9	195.6	100,800	126,200	161,900	194,300 *	80
85	67.4	193.5	92,000	115,700	149,000	181,500 *	85
90	65.8	191.3	84,400	106,600	137,700	170,100 *	90
95	64.2	188.8	77,700	98,500	127,800	159,900 *	95
100	62.6	186.2	71,700	91,400	119,000	150,100	100
105	61.0	183.5	66,400	85,000	111,100	140,600	105
110	59.3	180.5	61,500	79,200	104,100	132,000	110
115	57.6	177.3	57,200	74,000	97,700	124,300	115
120	55.9	173.9	53,200	69,300	91,900	117,200	120
125	54.1	170.3	49,600	65,000	86,600	110,800	125
130	52.3	166.5	46,300	61,000	81,700	104,900	130
135	50.4	162.4	43,300	57,400	77,200	99,500	135
140	48.5	158.0	40,500	54,000	73,100	94,500	140
145	46.6	153.2	37,900	50,900	69,300	89,900	145
150	44.5	148.2	35,500	48,000	65,700	85,600	150
155	42.4	142.8	33,200	45,300	62,400	81,600	155
160	40.2	136.9	31,100	42,800	59,300	77,900	160
165	37.9	130.6	29,100	40,500	56,400	74,400	165
170	35.5	123.6	27,300	38,200	53,700	71,100	170
175	32.8	116.0	25,500	36,200	51,100	68,000	175
180	30.0	107.6	23,900	34,200	48,700	65,100	180
185	26.9	98.0	22,300	32,300	46,500	62,300	185



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 360 Degree Rating

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Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	0 Lb. Wheeled Counterweight Boom Capacity Pounds	55,000 Lb. Wheeled Counterweight Boom Capacity Pounds	135,000 Lb. Wheeled Counterweight Boom Capacity Pounds	225,000 Lb. Wheeled Counterweight Boom Capacity Pounds	Oper. Rad. Feet
220 Ft. BOOM							
36	82.8	227.9	320,900 *	357,800 *	388,900 *	388,900 *	36
38	82.2	227.6	303,100	338,500 *	379,600 *	388,900 *	38
40	81.7	227.3	279,900	321,100 *	360,200 *	388,900 *	40
42	81.2	227.0	259,800	305,300 *	342,600 *	384,600 *	42
44	80.7	226.6	242,200	290,800 *	326,500 *	366,700 *	44
46	80.1	226.2	226,600	276,900	311,700 *	350,300 *	46
48	79.6	225.9	212,700	260,300	298,200 *	335,100 *	48
50	79.1	225.5	200,200	245,300	285,600 *	321,200 *	50
55	77.7	224.4	174,000	214,000	258,100 *	290,600 *	55
60	76.4	223.1	153,200	189,100	235,000 *	264,800 *	60
65	75.0	221.8	136,300	168,800	214,500	243,000 *	65
70	73.7	220.3	122,200	151,900	193,700	224,100 *	70
75	72.3	218.7	110,300	137,700	176,300	207,700 *	75
80	70.9	217.0	100,200	125,600	161,300	193,300 *	80
85	69.5	215.1	91,400	115,100	148,400	180,500 *	85
90	68.1	213.1	83,800	106,000	137,100	169,100 *	90
95	66.7	211.0	77,000	97,900	127,200	158,900 *	95
100	65.3	208.6	71,000	90,700	118,400	149,500	100
105	63.8	206.2	65,700	84,300	110,500	139,900	105
110	62.4	203.6	60,900	78,500	103,400	131,300	110
115	60.9	200.8	56,500	73,300	97,000	123,600	115
120	59.4	197.8	52,500	68,600	91,200	116,500	120
125	57.8	194.7	48,900	64,300	85,800	110,100	125
130	56.3	191.3	45,600	60,300	81,000	104,200	130
135	54.7	187.8	42,600	56,700	76,500	98,800	135
140	53.0	184.0	39,700	53,300	72,300	93,800	140
145	51.4	180.1	37,100	50,200	68,500	89,200	145
150	49.7	175.8	34,700	47,300	65,000	84,800	150
155	47.9	171.3	32,400	44,600	61,600	80,800	155
160	46.1	166.5	30,300	42,100	58,600	77,100	160
165	44.3	161.4	28,400	39,700	55,700	73,600	165
170	42.3	156.0	26,500	37,500	52,900	70,300	170
175	40.3	150.2	24,800	35,400	50,400	67,200	175
180	38.2	143.9	23,100	33,400	48,000	64,300	180
185	36.0	137.1	21,500	31,600	45,700	61,600	185
190	33.7	129.7	20,100	29,800	43,600	59,000	190
195	31.2	121.6	18,700	28,200	41,500	56,500	195
200	28.6	112.7	17,300	26,600	39,600	54,200	200
205	25.6	102.6	16,100	25,100	37,700	51,800 *	205



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or 167,000 Lb. (M-250) Crane Counterweight
60,000 Lb. Carbody Counterweight
0 Lb. Thru 225,000 Lb. Wheeled Counterweight
360 Degree Rating

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	0 Lb. Wheeled Counterweight Boom Capacity Pounds	55,000 Lb. Wheeled Counterweight Boom Capacity Pounds	135,000 Lb. Wheeled Counterweight Boom Capacity Pounds	225,000 Lb. Wheeled Counterweight Boom Capacity Pounds	Oper. Rad. Feet
240 Ft. BOOM							
38	82.9	247.8	302,300 *	337,500 *	369,300 *	369,300 *	38
40	82.4	247.5	280,200	320,400 *	359,600 *	369,300 *	40
42	81.9	247.2	260,000	304,700 *	342,000 *	369,300 *	42
44	81.4	246.9	242,400	290,200 *	325,900 *	366,100 *	44
46	81.0	246.6	226,700	276,900 *	311,200 *	349,700 *	46
48	80.5	246.2	212,800	260,300	297,600 *	334,600 *	48
50	80.0	245.8	200,300	245,400	285,000 *	320,600 *	50
55	78.8	244.8	174,000	214,000	257,500 *	290,000 *	55
60	77.5	243.7	153,100	189,000	234,400 *	264,300 *	60
65	76.3	242.5	136,100	168,700	214,300	242,400 *	65
70	75.1	241.2	122,100	151,800	193,600	223,500 *	70
75	73.8	239.7	110,200	137,600	176,100	207,100 *	75
80	72.6	238.1	100,000	125,400	161,100	192,700 *	80
85	71.3	236.4	91,200	114,900	148,200	180,000 *	85
90	70.1	234.6	83,500	105,700	136,900	168,600 *	90
95	68.8	232.7	76,800	97,600	126,900	158,400 *	95
100	67.5	230.6	70,800	90,400	118,100	149,100 *	100
105	66.2	228.4	65,400	84,000	110,200	139,600	105
110	64.9	226.0	60,500	78,200	103,100	131,000	110
115	63.5	223.5	56,200	73,000	96,700	123,300	115
120	62.2	220.9	52,200	68,300	90,800	116,200	120
125	60.8	218.1	48,600	63,900	85,500	109,800	125
130	59.4	215.1	45,300	60,000	80,600	103,900	130
135	58.0	212.0	42,200	56,300	76,100	98,400	135
140	56.6	208.7	39,400	52,900	72,000	93,400	140
145	55.1	205.2	36,800	49,800	68,100	88,800	145
150	53.6	201.6	34,300	46,900	64,600	84,500	150
155	52.1	197.7	32,100	44,200	61,300	80,500	155
160	50.6	193.6	29,900	41,700	58,200	76,700	160
165	49.0	189.3	28,000	39,300	55,300	73,200	165
170	47.4	184.7	26,100	37,100	52,500	69,900	170
175	45.7	179.8	24,400	35,000	50,000	66,800	175
180	44.0	174.7	22,700	33,000	47,600	63,900	180
185	42.3	169.2	21,100	31,200	45,300	61,200	185
190	40.4	163.4	19,700	29,400	43,200	58,600	190
195	38.5	157.2	18,300	27,800	41,100	56,100	195
200	36.5	150.5	17,000	26,200	39,200	53,800	200
205	34.4	143.3	15,700	24,700	37,400	51,600	205
210	32.2	135.5	14,500	23,300	35,600	49,500	210
215	29.9	126.9	13,300	21,900	33,900	47,500	215
220	27.3	117.5	12,200	20,600	32,300	45,600	220



Liftcrane Boom Capacities

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

Meets
ANSI B30.5
Requirements

MAX-ER 225
On 2250 or
M-250

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	0 Lb. Wheeled Counterweight Boom Capacity Pounds	55,000 Lb. Wheeled Counterweight Boom Capacity Pounds	135,000 Lb. Wheeled Counterweight Boom Capacity Pounds	225,000 Lb. Wheeled Counterweight Boom Capacity Pounds	Oper. Rad. Feet
260 Ft. BOOM							
40	83.0	267.7	279,900	318,600 *	322,900 *	322,900 *	40
42	82.5	267.4	259,700	303,000 *	321,700 *	321,700 *	42
44	82.1	267.1	242,000	288,700 *	317,800 *	317,800 *	44
46	81.7	266.8	226,300	275,500 *	310,100 *	314,000 *	46
48	81.2	266.5	212,300	259,900	296,500 *	310,100 *	48
50	80.8	266.2	199,800	244,900	284,000 *	306,300 *	50
55	79.6	265.2	173,500	213,500	256,500 *	288,900 *	55
60	78.5	264.2	152,600	188,400	233,400 *	263,300 *	60
65	77.4	263.1	135,600	168,100	213,800	241,400 *	65
70	76.3	261.9	121,500	151,200	193,000	222,600 *	70
75	75.1	260.5	109,600	137,000	175,500	206,200 *	75
80	74.0	259.1	99,400	124,800	160,500	191,800 *	80
85	72.8	257.5	90,600	114,300	147,500	179,000 *	85
90	71.7	255.9	82,900	105,100	136,200	167,600 *	90
95	70.5	254.1	76,100	97,000	126,300	157,400 *	95
100	69.3	252.2	70,100	89,800	117,400	148,200 *	100
105	68.1	250.2	64,700	83,300	109,500	139,000	105
110	66.9	248.1	59,900	77,600	102,400	130,400	110
115	65.7	245.8	55,500	72,300	96,000	122,600	115
120	64.5	243.4	51,500	67,600	90,100	115,500	120
125	63.3	240.9	47,900	63,300	84,800	109,100	125
130	62.0	238.2	44,600	59,300	79,900	103,200	130
135	60.7	235.4	41,500	55,600	75,400	97,800	135
140	59.5	232.5	38,700	52,200	71,300	92,700	140
145	58.2	229.4	36,100	49,100	67,500	88,100	145
150	56.9	226.1	33,600	46,200	63,900	83,800	150
155	55.5	222.7	31,400	43,500	60,600	79,800	155
160	54.2	219.1	29,300	41,000	57,500	76,000	160
165	52.8	215.3	27,300	38,600	54,600	72,500	165
170	51.4	211.3	25,400	36,400	51,900	69,200	170
175	49.9	207.1	23,700	34,300	49,300	66,200	175
180	48.5	202.7	22,000	32,400	46,900	63,300	180
185	47.0	198.0	20,500	30,500	44,600	60,500	185
190	45.4	193.1	19,000	28,800	42,500	57,900	190
195	43.8	187.9	17,600	27,100	40,400	55,500	195
200	42.2	182.5	16,300	25,500	38,500	53,100	200
205	40.5	176.6	15,000	24,000	36,700	50,900	205
210	38.7	170.5	13,800	22,600	34,900	48,800	210
215	36.9	163.9	12,700	21,200	33,300	46,800	215
220	35.0	156.8	11,600	19,900	31,700	44,900	220
225	33.0	149.2	10,500	18,700	30,200	43,100	225
230	30.9	141.0		17,500	28,700	41,300	230
235	28.6	132.0		16,400	27,300	39,700	235
240	26.2	122.1		15,300	26,000	37,600 *	240



Liftcrane Boom Capacities

Meets
ANSI B30.5
Requirements

MAX-ER 225 On 2250 or M-250

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

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	0 Lb. Wheeled Counterweight Boom Capacity Pounds	55,000 Lb. Wheeled Counterweight Boom Capacity Pounds	135,000 Lb. Wheeled Counterweight Boom Capacity Pounds	225,000 Lb. Wheeled Counterweight Boom Capacity Pounds	Oper. Rad. Feet
280 Ft. BOOM							
44	82.7	287.3	241,900	287,100 *	290,400 *	290,400 *	44
46	82.3	287.1	226,200	274,000 *	287,000 *	287,000 *	46
48	81.8	286.8	212,200	259,700	283,500 *	283,500 *	48
50	81.4	286.4	199,600	244,700	280,100 *	280,100 *	50
55	80.4	285.6	173,200	213,200	255,700 *	271,600 *	55
60	79.4	284.6	152,300	188,100	232,700 *	262,500 *	60
65	78.3	283.6	135,200	167,700	213,000 *	240,600 *	65
70	77.3	282.5	121,100	150,800	192,600	221,800 *	70
75	76.2	281.2	109,100	136,500	175,100	205,400 *	75
80	75.1	279.9	98,900	124,300	160,100	191,000 *	80
85	74.1	278.5	90,100	113,800	147,100	178,300 *	85
90	73.0	276.9	82,400	104,600	135,800	166,900 *	90
95	71.9	275.3	75,600	96,500	125,800	156,700 *	95
100	70.9	273.6	69,600	89,300	116,900	147,500 *	100
105	69.8	271.7	64,200	82,800	109,000	138,500	105
110	68.7	269.7	59,400	77,000	101,900	129,800	110
115	67.6	267.7	55,000	71,800	95,500	122,100	115
120	66.4	265.5	51,000	67,000	89,600	115,000	120
125	65.3	263.2	47,400	62,700	84,300	108,500	125
130	64.2	260.8	44,000	58,700	79,400	102,600	130
135	63.0	258.2	41,000	55,100	74,900	97,200	135
140	61.9	255.5	38,100	51,700	70,700	92,200	140
145	60.7	252.7	35,500	48,600	66,900	87,500	145
150	59.5	249.8	33,100	45,600	63,300	83,200	150
155	58.3	246.7	30,800	42,900	60,000	79,200	155
160	57.1	243.5	28,700	40,400	56,900	75,500	160
165	55.8	240.1	26,700	38,000	54,000	71,900	165
170	54.6	236.5	24,800	35,800	51,300	68,700	170
175	53.3	232.8	23,100	33,700	48,700	65,600	175
180	52.0	228.9	21,400	31,800	46,300	62,700	180
185	50.7	224.8	19,900	29,900	44,000	59,900	185
190	49.4	220.6	18,400	28,200	41,900	57,300	190
195	48.0	216.1	17,000	26,500	39,800	54,900	195
200	46.6	211.3	15,700	24,900	37,900	52,500	200
205	45.1	206.4	14,400	23,400	36,100	50,300	205
210	43.7	201.2	13,200	22,000	34,300	48,200	210
215	42.1	195.7	12,100	20,600	32,700	46,200	215
220	40.6	189.9	11,000	19,300	31,100	44,300	220
225	38.9	183.7		18,100	29,600	42,500	225
230	37.3	177.2		16,900	28,100	40,700	230
235	35.5	170.3		15,800	26,800	39,100	235
240	33.7	162.9		14,700	25,400	37,500	240
245	31.8	154.9		13,700	24,200	36,000	245
250	29.7	146.3		12,700	22,900	34,500	250
255	27.5	136.9		11,700	21,700	32,500 *	255
260	25.2	126.6		10,700	20,600	30,500 *	260



Liftcrane Boom Capacities

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

Meets
ANSI B30.5
Requirements

MAX-ER 225
On 2250 or
M-250

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	0 Lb. Wheeled Counterweight Boom Capacity Pounds	55,000 Lb. Wheeled Counterweight Boom Capacity Pounds	135,000 Lb. Wheeled Counterweight Boom Capacity Pounds	225,000 Lb. Wheeled Counterweight Boom Capacity Pounds	Oper. Rad. Feet
300 Ft. BOOM							
46	82.8	307.3	225,600	225,900 *	225,900 *	225,900 *	46
48	82.4	307.0	211,500	223,300 *	223,300 *	223,300 *	48
50	82.0	306.7	198,900	220,700 *	220,700 *	220,700 *	50
55	81.0	305.9	172,500	212,500	214,200 *	214,200 *	55
60	80.1	305.0	151,600	187,400	207,800 *	207,800 *	60
65	79.1	304.0	134,500	167,000	201,500 *	201,500 *	65
70	78.1	303.0	120,300	150,000	191,800	195,200 *	70
75	77.1	301.8	108,300	135,700	174,300	189,100 *	75
80	76.2	300.6	98,100	123,500	159,200	183,100 *	80
85	75.2	299.3	89,300	113,000	146,300	177,100 *	85
90	74.2	297.8	81,600	103,800	134,900	165,800 *	90
95	73.2	296.3	74,800	95,600	124,900	155,600 *	95
100	72.2	294.7	68,800	88,400	116,100	146,400 *	100
105	71.2	293.0	63,400	82,000	108,200	137,600	105
110	70.2	291.2	58,500	76,200	101,000	129,000	110
115	69.1	289.3	54,100	71,000	94,600	121,200	115
120	68.1	287.3	50,100	66,200	88,800	114,100	120
125	67.1	285.1	46,500	61,800	83,400	107,700	125
130	66.0	282.9	43,200	57,900	78,500	101,800	130
135	65.0	280.6	40,100	54,200	74,000	96,300	135
140	63.9	278.1	37,300	50,800	69,900	91,300	140
145	62.8	275.6	34,600	47,700	66,000	86,700	145
150	61.7	272.9	32,200	44,800	62,500	82,400	150
155	60.6	270.1	29,900	42,100	59,100	78,300	155
160	59.5	267.1	27,800	39,600	56,000	74,600	160
165	58.4	264.0	25,800	37,200	53,100	71,100	165
170	57.3	260.8	24,000	35,000	50,400	67,800	170
175	56.1	257.5	22,200	32,900	47,900	64,700	175
180	55.0	254.0	20,600	30,900	45,500	61,800	180
185	53.8	250.3	19,000	29,100	43,200	59,100	185
190	52.6	246.5	17,500	27,300	41,000	56,500	190
195	51.4	242.5	16,200	25,600	39,000	54,000	195
200	50.1	238.3	14,800	24,100	37,100	51,700	200
205	48.9	234.0	13,600	22,600	35,200	49,500	205
210	47.6	229.4	12,400	21,200	33,500	47,400	210
215	46.2	224.7	11,200	19,800	31,800	45,400	215
220	44.9	219.7	10,200	18,500	30,300	43,500	220
225	43.5	214.4		17,300	28,800	41,700	225
230	42.1	208.9		16,100	27,300	39,900	230
235	40.6	203.1		15,000	25,900	38,300	235
240	39.1	197.0		13,900	24,600	36,700	240
245	37.6	190.6		12,800	23,300	35,100	245
250	35.9	183.7		11,800	22,100	33,700	250
255	34.3	176.5		10,900	20,900	32,300	255
260	32.5	168.7		10,000	19,800	30,900	260
265	30.6	160.4			18,700	29,200 *	265
270	28.7	151.4			17,700	26,200 *	270
275	26.6	141.6			16,700	23,200 *	275



Liftcrane Boom Capacities

Meets
ANSI B30.5
Requirements

MAX-ER 225 On 2250 or M-250

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

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	55,000 Lb. Wheeled Counterweight Boom Capacity Pounds	135,000 Lb. Wheeled Counterweight Boom Capacity Pounds	225,000 Lb. Wheeled Counterweight Boom Capacity Pounds	Oper. Rad. Feet
320 Ft. BOOM						
48	82.9	327.2	201,800 *	201,800 *	201,800 *	48
50	82.5	326.9	199,500 *	199,500 *	199,500 *	50
55	81.6	326.1	193,600 *	193,600 *	193,600 *	55
60	80.7	325.3	187,100	187,600 *	187,600 *	60
65	79.8	324.4	166,600	181,800 *	181,800 *	65
70	78.9	323.4	149,600	176,000 *	176,000 *	70
75	78.0	322.4	135,300	170,300 *	170,300 *	75
80	77.0	321.2	123,100	158,800	164,600 *	80
85	76.1	320.0	112,500	145,800	159,200 *	85
90	75.2	318.6	103,200	134,400	153,800 *	90
95	74.3	317.2	95,100	124,400	148,500 *	95
100	73.3	315.7	87,900	115,500	143,400 *	100
105	72.4	314.1	81,400	107,600	137,100	105
110	71.4	312.4	75,600	100,500	128,400	110
115	70.5	310.7	70,400	94,000	120,600	115
120	69.5	308.8	65,600	88,200	113,600	120
125	68.6	306.8	61,300	82,800	107,100	125
130	67.6	304.8	57,300	77,900	101,200	130
135	66.6	302.6	53,600	73,400	95,700	135
140	65.6	300.3	50,200	69,300	90,700	140
145	64.7	298.0	47,100	65,400	86,100	145
150	63.7	295.5	44,200	61,900	81,700	150
155	62.7	292.9	41,500	58,500	77,700	155
160	61.6	290.2	38,900	55,400	74,000	160
165	60.6	287.4	36,600	52,500	70,500	165
170	59.6	284.4	34,300	49,800	67,200	170
175	58.5	281.4	32,300	47,200	64,100	175
180	57.5	278.2	30,300	44,800	61,200	180
185	56.4	274.9	28,400	42,500	58,400	185
190	55.3	271.4	26,700	40,400	55,800	190
195	54.2	267.8	25,000	38,400	53,400	195
200	53.1	264.0	23,400	36,400	51,100	200
205	51.9	260.1	21,900	34,600	48,800	205
210	50.8	256.1	20,500	32,900	46,700	210
215	49.6	251.8	19,200	31,200	44,700	215
220	48.4	247.4	17,900	29,600	42,800	220
225	47.2	242.8	16,600	28,100	41,000	225
230	45.9	238.0	15,500	26,700	39,300	230
235	44.7	232.9	14,300	25,300	37,600	235
240	43.4	227.6	13,200	24,000	36,000	240
245	42.0	222.1	12,200	22,700	33,600 *	245
250	40.7	216.3	11,200	21,500	30,800 *	250
255	39.3	210.3	10,300	20,300	27,900 *	255
260	37.8	203.9		19,200	25,100 *	260
265	36.3	197.1		18,100	22,400 *	265
270	34.7	190.0		17,100	19,600 *	270
275	33.1	182.4		16,100	17,000 *	275
280	31.4	174.3		14,300 *	14,300 *	280
285	29.6	165.7		11,700 *	11,700 *	285



Liftcrane Boom Capacities

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

Meets
ANSI B30.5
Requirements

MAX-ER 225
On 2250 or
M-250

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	55,000 Lb. Wheeled Counterweight Boom Capacity Pounds	135,000 Lb. Wheeled Counterweight Boom Capacity Pounds	225,000 Lb. Wheeled Counterweight Boom Capacity Pounds	Oper. Rad. Feet
340 Ft. BOOM						
50	83.0	347.1	163,100 *	163,100 *	163,100 *	50
55	82.1	346.4	158,500 *	158,500 *	158,500 *	55
60	81.3	345.6	153,800 *	153,800 *	153,800 *	60
65	80.4	344.8	149,100 *	149,100 *	149,100 *	65
70	79.5	343.8	144,400 *	144,400 *	144,400 *	70
75	78.7	342.8	134,400	139,800 *	139,800 *	75
80	77.8	341.7	122,100	135,100 *	135,100 *	80
85	77.0	340.6	111,500	130,600 *	130,600 *	85
90	76.1	339.3	102,300	126,100 *	126,100 *	90
95	75.2	338.0	94,200	121,700 *	121,700 *	95
100	74.3	336.6	86,900	114,600	117,400 *	100
105	73.5	335.1	80,500	106,600	113,200 *	105
110	72.6	333.5	74,700	99,500	109,000 *	110
115	71.7	331.9	69,400	93,100	105,000 *	115
120	70.8	330.1	64,600	87,200	101,000 *	120
125	69.9	328.3	60,300	81,900	97,100 *	125
130	69.0	326.4	56,300	77,000	93,300 *	130
135	68.1	324.3	52,600	72,400	89,500 *	135
140	67.2	322.2	49,200	68,300	85,800 *	140
145	66.2	320.0	46,100	64,400	82,200 *	145
150	65.3	317.7	43,200	60,900	78,700 *	150
155	64.4	315.3	40,500	57,500	75,200 *	155
160	63.4	312.8	37,900	54,400	71,800 *	160
165	62.5	310.2	35,600	51,500	68,500 *	165
170	61.5	307.5	33,400	48,800	65,200 *	170
175	60.6	304.7	31,300	46,300	61,900 *	175
180	59.6	301.8	29,300	43,800	58,800 *	180
185	58.6	298.7	27,500	41,600	55,700 *	185
190	57.6	295.5	25,700	39,400	52,600 *	190
195	56.6	292.2	24,000	37,400	49,600 *	195
200	55.6	288.8	22,500	35,500	46,600 *	200
205	54.5	285.3	21,000	33,600	43,700 *	205
210	53.5	281.6	19,500	31,900	40,800 *	210
215	52.4	277.7	18,200	30,200	38,000 *	215
220	51.4	273.7	16,900	28,700	35,200 *	220
225	50.3	269.6	15,700	27,100	32,500 *	225
230	49.1	265.3	14,500	25,700	29,800 *	230
235	48.0	260.8	13,400	24,300	27,200 *	235
240	46.9	256.1	12,300	23,000	24,500 *	240
245	45.7	251.2	11,300	21,700	22,000 *	245
250	44.5	246.2	10,300	19,400 *	19,400 *	250
255	43.3	240.9		16,900 *	16,900 *	255
260	42.0	235.4		14,400 *	14,400 *	260
265	40.7	229.6		12,000 *	12,000 *	265