



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
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. 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 5,000 Lbs. 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, 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, 10 part luffing jib hoist reeving, two 1-1/2 in. luffing jib pendants and backstays, 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 chart series **No. 7751** for luffing jib capacities.

Luffing Jib Position During Operation	
Luffing Jib Length - Feet	Boom To Luffing Jib Angle
70	145 Degrees
80 - 90	150 Degrees
100 - 110	160 Degrees
120 - 200	168 Degrees

Deduct From Boom Capacities When Fixed Jib Is Attached To Luffing Jib	
Fixed Jib Length	Fixed Jib No. 140
40 Ft.	20,000 Lbs.
60 Ft.	23,000 Lbs.
80 Ft.	26,000 Lbs.
100 Ft.	31,000 Lbs.
120 Ft.	36,000 Lbs.
3,000 Lbs. Suspended Beneath Fixed Jib Point Included In Deducts.	



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0 Lb. Thru 225,000 Lb. Hanging Counterweight
360 Degree Rating

70 Ft. Luffing Jib 145 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	0 Lb. Hanging Counterweight	55,000 Lb. Hanging Counterweight		135,000 Lb. Hanging Counterweight		225,000 Lb. Hanging Counterweight		Boom 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	
140 Ft. BOOM										
26	82.7	148.5	426,900 *	106,700	469,300 *	232,800	480,000 *			26
28	81.9	148.2	395,200 *	91,400	434,800 *	206,300	480,000 *	335,900	480,000 *	28
30	81.1	147.9	367,400 *	78,500	404,500 *	184,100	455,800 *	303,200	480,000 *	30
32	80.2	147.5	342,800 *	67,500	377,800 *	165,200	426,100 *	275,400	480,000 *	32
34	79.4	147.1	321,000 *	58,100	354,000 *	149,000	399,700 *	251,500	451,000 *	34
36	78.6	146.6	296,200	49,900	332,800 *	134,900	376,000 *	230,600	424,700 *	36
38	77.7	146.2	270,100	42,700	313,700 *	122,400	354,700 *	212,400	400,900 *	38
40	76.9	145.7	247,800	36,300	296,300 *	111,500	335,500 *	196,200	379,500 *	40
42	76.0	145.2	228,300	30,600	280,600 *	101,700	317,900 *	181,700	360,000 *	42
44	75.2	144.6	211,200	25,500	264,600	92,900	301,900 *	168,800	342,100 *	44
46	74.3	144.0	196,100	20,900	246,400	85,000	287,300 *	157,200	325,800 *	46
48	73.5	143.4	182,700	16,800	230,200	77,800	273,800 *	146,600	310,800 *	48
50	72.6	142.7	170,600	13,000	215,700	71,300	261,300 *	137,000	296,900 *	50
55	70.4	141.0	145,300	4,800	185,200	57,200	234,000 *	116,300	266,400 *	55
60	68.2	138.9	125,100		161,000	45,800	211,100 *	99,400	240,900 *	60
65	66.0	136.7	108,800		141,300	36,200	187,000	85,400	219,200 *	65
70	63.7	134.2	95,200		124,900	28,100	166,700	73,500	200,400 *	70
75	61.4	131.5	83,700		111,100	21,200	149,600	63,300	184,100 *	75
80	59.0	128.5	73,900		99,300	15,200	135,000	54,400	169,800 *	80
85	56.5	125.2	65,500		89,200	9,900	122,400	46,700	157,200 *	85



Liftcrane Boom Capacities With Luffing Jib Attached

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

70 Ft. Luffing Jib 145 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	0 Lb. Hanging Counterweight	55,000 Lb. Hanging Counterweight		135,000 Lb. Hanging Counterweight		225,000 Lb. Hanging Counterweight		Boom 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	
160 Ft. BOOM										
28	82.9	168.4	394,200 *	92,900	433,800 *	208,800	480,000 *	339,500	480,000 *	28
30	82.2	168.1	366,500 *	79,900	403,600 *	186,300	454,900 *	306,400	480,000 *	30
32	81.5	167.8	342,000 *	68,800	377,000 *	167,200	425,300 *	278,200	479,600 *	32
34	80.7	167.5	320,200 *	59,200	353,300 *	150,700	398,900 *	253,900	450,200 *	34
36	80.0	167.1	296,600	50,900	332,000 *	136,400	375,300 *	232,800	423,900 *	36
38	79.3	166.7	270,500	43,600	312,900 *	123,800	354,000 *	214,300	400,200 *	38
40	78.6	166.2	248,100	37,100	295,600 *	112,700	334,800 *	198,000	378,800 *	40
42	77.8	165.8	228,600	31,300	279,900 *	102,800	317,300 *	183,400	359,300 *	42
44	77.1	165.3	211,500	26,200	264,900	93,900	301,300 *	170,300	341,500 *	44
46	76.3	164.8	196,400	21,500	246,700	85,900	286,700 *	158,500	325,200 *	46
48	75.6	164.3	182,900	17,300	230,500	78,700	273,200 *	147,800	310,200 *	48
50	74.9	163.7	170,800	13,500	215,900	72,100	260,700 *	138,100	296,300 *	50
55	73.0	162.1	145,400	5,200	185,400	57,900	233,400 *	117,200	265,900 *	55
60	71.1	160.4	125,200		161,100	46,300	210,500 *	100,200	240,400 *	60
65	69.2	158.5	108,800		141,300	36,600	187,000	86,000	218,600 *	65
70	67.2	156.4	95,200		125,000	28,500	166,800	74,000	199,900 *	70
75	65.3	154.1	83,700		111,100	21,500	149,700	63,700	183,700 *	75
80	63.3	151.6	73,900		99,300	15,400	135,100	54,800	169,400 *	80
85	61.2	148.8	65,500		89,100	10,100	122,400	47,000	156,700 *	85
90	59.1	145.8	58,100		80,200	5,400	111,400	40,100	145,400 *	90
95	57.0	142.6	51,500		72,400	1,300	101,700	34,000	134,700	95



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

70 Ft. Luffing Jib 145 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	0 Lb. Hanging Counterweight	55,000 Lb. Hanging Counterweight		135,000 Lb. Hanging Counterweight		225,000 Lb. Hanging Counterweight		Boom 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	
180 Ft. BOOM										
32	82.4	188.1	338,800 *	68,200	373,800 *	167,500	422,100 *	279,500	476,400 *	32
34	81.8	187.7	317,100 *	58,300	350,100 *	150,700	395,700 *	254,700	447,000 *	34
36	81.1	187.4	295,800	49,800	328,900 *	136,000	372,100 *	233,200	420,700 *	36
38	80.5	187.1	269,600	42,200	309,800 *	123,100	350,800 *	214,400	397,000 *	38
40	79.8	186.7	247,000	35,600	292,500 *	111,800	331,600 *	197,700	375,600 *	40
42	79.2	186.3	227,400	29,700	276,800 *	101,600	314,100 *	182,800	356,100 *	42
44	78.5	185.8	210,100	24,300	262,400 *	92,600	298,100 *	169,500	338,300 *	44
46	77.9	185.4	194,900	19,500	245,200	84,400	283,500 *	157,500	322,000 *	46
48	77.2	184.9	181,300	15,200	228,900	77,000	270,000 *	146,600	307,000 *	48
50	76.6	184.4	169,100	11,200	214,300	70,200	257,500 *	136,700	293,100 *	50
55	74.9	183.1	143,600	2,700	183,500	55,700	230,200 *	115,400	262,700 *	55
60	73.3	181.5	123,300		159,100	43,800	207,300 *	98,000	237,200 *	60
65	71.6	179.9	106,700		139,200	34,000	184,900	83,600	215,400 *	65
70	69.9	178.0	93,000		122,700	25,600	164,500	71,400	196,700 *	70
75	68.2	176.0	81,400		108,800	18,500	147,300	60,900	180,400 *	75
80	66.4	173.8	71,500		96,900	12,300	132,700	51,800	166,100 *	80
85	64.7	171.5	63,000		86,700	6,900	120,000	43,900	153,500 *	85
90	62.9	168.9	55,500		77,700	2,100	108,900	36,900	142,200 *	90
95	61.1	166.1	49,000		69,800		99,100	30,700	132,000 *	95
100	59.2	163.2	43,100		62,800		90,400	25,200	121,500	100
105	57.3	160.0	37,900		56,500		82,700	20,200	112,100	105



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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. Hanging Counterweight
360 Degree Rating

70 Ft. Luffing Jib 145 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	0 Lb. Hanging Counterweight	55,000 Lb. Hanging Counterweight		135,000 Lb. Hanging Counterweight		225,000 Lb. Hanging Counterweight		Boom 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	
200 Ft. BOOM										
34	82.6	208.0	316,600 *	60,400	349,600 *	153,500	395,300 *	258,400	446,600 *	34
36	82.0	207.7	297,000	51,600	328,400 *	138,600	371,700 *	236,600	420,300 *	36
38	81.5	207.4	270,600	43,900	309,300 *	125,500	350,400 *	217,400	396,600 *	38
40	80.9	207.0	247,900	37,100	292,000 *	113,900	331,200 *	200,500	375,200 *	40
42	80.3	206.6	228,200	31,100	276,300 *	103,600	313,700 *	185,400	355,700 *	42
44	79.7	206.3	210,900	25,600	262,000 *	94,300	297,700 *	171,800	337,900 *	44
46	79.1	205.9	195,600	20,700	245,900	86,000	283,000 *	159,600	321,500 *	46
48	78.5	205.4	181,900	16,300	229,500	78,500	269,500 *	148,600	306,500 *	48
50	78.0	205.0	169,700	12,200	214,800	71,600	257,100 *	138,500	292,700 *	50
55	76.5	203.8	144,000	3,500	184,000	56,800	229,800 *	116,900	262,200 *	55
60	75.0	202.4	123,600		159,500	44,800	206,900 *	99,300	236,700 *	60
65	73.5	200.9	107,000		139,500	34,700	185,200	84,600	215,000 *	65
70	72.0	199.3	93,200		122,900	26,300	164,700	72,200	196,300 *	70
75	70.5	197.5	81,600		109,000	19,000	147,500	61,600	180,000 *	75
80	68.9	195.6	71,600		97,000	12,700	132,700	52,400	165,700 *	80
85	67.4	193.5	63,000		86,700	7,200	120,000	44,400	153,000 *	85
90	65.8	191.3	55,500		77,700	2,300	108,900	37,300	141,700 *	90
95	64.2	188.8	48,900		69,800		99,100	31,000	131,500 *	95
100	62.6	186.2	43,000		62,700		90,400	25,400	121,500	100
105	61.0	183.5	37,800		56,400		82,600	20,300	112,000	105
110	59.3	180.5	33,100		50,800		75,600	15,700	103,600	110
115	57.6	177.3	28,800		45,600		69,300	11,600	95,900	115



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60,000 Lb. Carbody Counterweight
0 Lb. Thru 225,000 Lb. Hanging Counterweight
360 Degree Rating

70 Ft. Luffing Jib 145 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	0 Lb. Hanging Counterweight	55,000 Lb. Hanging Counterweight		135,000 Lb. Hanging Counterweight		225,000 Lb. Hanging Counterweight		Boom 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	
220 Ft. BOOM										
36	82.8	227.9	296,600 *	53,100	327,800 *	140,700	361,300 *	239,500	361,300 *	36
38	82.2	227.6	271,200	45,300	308,800 *	127,400	349,800 *	220,100	361,300 *	38
40	81.7	227.3	248,500	38,300	291,500 *	115,700	330,600 *	202,900	361,300 *	40
42	81.2	227.0	228,700	32,200	275,800 *	105,200	313,100 *	187,600	355,100 *	42
44	80.7	226.6	211,300	26,600	261,400 *	95,800	297,100 *	173,900	337,300 *	44
46	80.1	226.2	196,000	21,600	246,300	87,400	282,500 *	161,500	321,000 *	46
48	79.6	225.9	182,300	17,100	229,900	79,700	269,000 *	150,300	306,000 *	48
50	79.1	225.5	170,000	13,000	215,100	72,700	256,600 *	140,100	292,200 *	50
55	77.7	224.4	144,300	4,100	184,200	57,800	229,300 *	118,300	261,700 *	55
60	76.4	223.1	123,800		159,600	45,600	206,400 *	100,400	236,200 *	60
65	75.0	221.8	107,100		139,600	35,400	185,300	85,600	214,500 *	65
70	73.7	220.3	93,300		123,000	26,800	164,800	73,000	195,800 *	70
75	72.3	218.7	81,600		109,000	19,500	147,500	62,300	179,500 *	75
80	70.9	217.0	71,700		97,100	13,100	132,800	53,000	165,200 *	80
85	69.5	215.1	63,000		86,700	7,500	120,000	44,900	152,500 *	85
90	68.1	213.1	55,500		77,700	2,600	108,800	37,700	141,200 *	90
95	66.7	211.0	48,900		69,700		99,000	31,400	131,100 *	95
100	65.3	208.6	43,000		62,700		90,300	25,700	121,400	100
105	63.8	206.2	37,700		56,300		82,500	20,500	112,000	105
110	62.4	203.6	33,000		50,700		75,500	15,900	103,500	110
115	60.9	200.8	28,700		45,500		69,200	11,700	95,800	115
120	59.4	197.8	24,800		40,900		63,400	7,900	88,800	120
125	57.8	194.7	21,300		36,600		58,200	4,300	82,400	125
130	56.3	191.3	18,000		32,700		53,400	1,100	76,600	130



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

70 Ft. Luffing Jib 145 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	55,000 Lb. Hanging Counterweight		135,000 Lb. Hanging Counterweight		225,000 Lb. Hanging Counterweight		Boom 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	
240 Ft. BOOM									
38	82.9	247.8	46,500	308,300 *	129,200	338,500 *	222,600	338,500 *	38
40	82.4	247.5	39,400	291,000 *	117,300	330,100 *	205,200	338,500 *	40
42	81.9	247.2	33,200	275,300 *	106,700	312,600 *	189,700	338,500 *	42
44	81.4	246.9	27,500	260,900 *	97,200	296,700 *	175,800	336,900 *	44
46	81.0	246.6	22,500	246,500	88,700	282,000 *	163,300	320,600 *	46
48	80.5	246.2	17,900	230,100	80,900	268,600 *	152,000	305,500 *	48
50	80.0	245.8	13,700	215,300	73,800	256,100 *	141,700	291,700 *	50
55	78.8	244.8	4,700	184,300	58,700	228,800 *	119,500	261,300 *	55
60	77.5	243.7		159,700	46,300	206,000 *	101,500	235,800 *	60
65	76.3	242.5		139,700	36,000	185,300	86,500	214,100 *	65
70	75.1	241.2		123,000	27,300	164,800	73,800	195,400 *	70
75	73.8	239.7		109,000	19,900	147,500	62,900	179,100 *	75
80	72.6	238.1		97,000	13,400	132,700	53,500	164,800 *	80
85	71.3	236.4		86,600	7,800	119,900	45,300	152,100 *	85
90	70.1	234.6		77,600	2,800	108,800	38,100	140,800 *	90
95	68.8	232.7		69,600		98,900	31,700	130,700 *	95
100	67.5	230.6		62,500		90,200	25,900	121,300	100
105	66.2	228.4		56,200		82,400	20,800	111,800	105
110	64.9	226.0		50,500		75,400	16,100	103,300	110
115	63.5	223.5		45,400		69,000	11,800	95,600	115
120	62.2	220.9		40,700		63,300	8,000	88,600	120
125	60.8	218.1		36,400		58,000	4,400	82,300	125
130	59.4	215.1		32,500		53,200	1,100	76,400	130
135	58.0	212.0		28,900		48,700		71,000	135
140	56.6	208.7		25,600		44,700		66,100	140



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
 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. Hanging Counterweight
 360 Degree Rating

70 Ft. Luffing Jib 145 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	135,000 Lb. Hanging Counterweight		225,000 Lb. Hanging Counterweight		Boom 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	
260 Ft. BOOM							
40	83.0	267.7	118,500	271,700 *			40
42	82.5	267.4	107,700	268,300 *	191,200	268,300 *	42
44	82.1	267.1	98,100	264,900 *	177,200	264,900 *	44
46	81.7	266.8	89,400	261,500 *	164,600	261,500 *	46
48	81.2	266.5	81,600	258,100 *	153,100	258,100 *	48
50	80.8	266.2	74,400	254,800 *	142,700	254,800 *	50
55	79.6	265.2	59,100	228,000 *	120,300	246,500 *	55
60	78.5	264.2	46,500	205,100 *	102,000	234,900 *	60
65	77.4	263.1	36,100	185,000	86,900	213,200 *	65
70	76.3	261.9	27,300	164,500	74,100	194,600 *	70
75	75.1	260.5	19,800	147,100	63,100	178,300 *	75
80	74.0	259.1	13,300	132,300	53,600	164,000 *	80
85	72.8	257.5	7,600	119,500	45,300	151,300 *	85
90	71.7	255.9	2,600	108,300	38,000	140,100 *	90
95	70.5	254.1		98,500	31,500	129,900 *	95
100	69.3	252.2		89,700	25,800	120,800 *	100
105	68.1	250.2		81,900	20,500	111,400	105
110	66.9	248.1		74,900	15,800	102,800	110
115	65.7	245.8		68,500	11,500	95,100	115
120	64.5	243.4		62,800	7,600	88,200	120
125	63.3	240.9		57,500	4,000	81,800	125
130	62.0	238.2		52,700	700	75,900	130
135	60.7	235.4		48,200		70,600	135
140	59.5	232.5		44,200		65,600	140
145	58.2	229.4		40,400		61,000	145
150	56.9	226.1		36,800		56,700	150



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
 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. Hanging Counterweight
 360 Degree Rating

70 Ft. Luffing Jib 145 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	135,000 Lb. Hanging Counterweight		225,000 Lb. Hanging Counterweight		Boom 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	
280 Ft. BOOM							
44	82.7	287.3	99,400	231,200 *			44
46	82.3	287.1	90,600	228,400 *	166,200	228,400 *	46
48	81.8	286.8	82,600	225,400 *	154,600	225,400 *	48
50	81.4	286.4	75,400	222,500 *	144,100	222,500 *	50
55	80.4	285.6	59,900	215,200 *	121,400	215,200 *	55
60	79.4	284.6	47,200	204,600 *	103,000	208,000 *	60
65	78.3	283.6	36,600	185,000	87,600	200,900 *	65
70	77.3	282.5	27,700	164,400	74,700	194,000 *	70
75	76.2	281.2	20,100	147,000	63,600	177,700 *	75
80	75.1	279.9	13,500	132,200	54,000	163,400 *	80
85	74.1	278.5	7,700	119,300	45,600	150,800 *	85
90	73.0	276.9	2,600	108,100	38,300	139,500 *	90
95	71.9	275.3		98,300	31,700	129,400 *	95
100	70.9	273.6		89,500	25,900	120,200 *	100
105	69.8	271.7		81,700	20,600	111,100	105
110	68.7	269.7		74,600	15,800	102,600	110
115	67.6	267.7		68,300	11,500	94,900	115
120	66.4	265.5		62,500	7,500	87,900	120
125	65.3	263.2		57,200	3,900	81,500	125
130	64.2	260.8		52,400	600	75,600	130
135	63.0	258.2		47,900		70,200	135
140	61.9	255.5		43,800		65,300	140
145	60.7	252.7		40,000		60,700	145
150	59.5	249.8		36,500		56,400	150
155	58.3	246.7		33,200		52,400	155
160	57.1	243.5		30,100		48,700	160



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
 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. Hanging Counterweight
 360 Degree Rating

70 Ft. Luffing Jib 145 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	225,000 Lb. Hanging Counterweight	
			Minimum Boom Capacity To Swing and Travel Pounds	Boom Capacity Pounds
300 Ft. BOOM				
60	80.1	305.0	103,200	156,500 *
65	79.1	304.0	87,700	151,100 *
70	78.1	303.0	74,600	145,700 *
75	77.1	301.8	63,400	140,400 *
80	76.2	300.6	53,800	135,200 *
85	75.2	299.3	45,300	130,000 *
90	74.2	297.8	37,900	125,000 *
95	73.2	296.3	31,300	120,000 *
100	72.2	294.7	25,400	115,100 *
105	71.2	293.0	20,000	110,300 *
110	70.2	291.2	15,200	101,900
115	69.1	289.3	10,900	94,100
120	68.1	287.3	6,900	87,100
125	67.1	285.1	3,300	80,700
130	66.0	282.9		74,900
135	65.0	280.6		69,500
140	63.9	278.1		64,500
145	62.8	275.6		59,900
150	61.7	272.9		55,600
155	60.6	270.1		51,700
160	59.5	267.1		47,900
165	58.4	264.0		44,500
170	57.3	260.8		41,000 *
175	56.1	257.5		37,400 *



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
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. Hanging Counterweight
360 Degree Rating

80 Ft. Luffing Jib 150 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	0 Lb. Hanging Counterweight	55,000 Lb. Hanging Counterweight		135,000 Lb. Hanging Counterweight		225,000 Lb. Hanging Counterweight		Boom 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	
140 Ft. BOOM										
26	82.7	148.5	425,100 *	104,100	467,500 *	230,100	480,000 *			26
28	81.9	148.2	393,300 *	88,700	432,900 *	203,600	480,000 *	333,200	480,000 *	28
30	81.1	147.9	365,500 *	75,800	402,600 *	181,400	453,900 *	300,500	480,000 *	30
32	80.2	147.5	340,900 *	64,800	375,900 *	162,500	424,200 *	272,700	478,500 *	32
34	79.4	147.1	319,100 *	55,400	352,100 *	146,300	397,700 *	248,700	449,100 *	34
36	78.6	146.6	293,800	47,200	330,900 *	132,100	374,100 *	227,900	422,700 *	36
38	77.7	146.2	267,800	40,000	311,700 *	119,700	352,800 *	209,600	399,000 *	38
40	76.9	145.7	245,400	33,600	294,400 *	108,700	333,500 *	193,400	377,500 *	40
42	76.0	145.2	226,000	27,900	278,600 *	98,900	316,000 *	179,000	358,000 *	42
44	75.2	144.6	208,900	22,800	262,300	90,100	300,000 *	166,100	340,200 *	44
46	74.3	144.0	193,800	18,200	244,100	82,200	285,300 *	154,400	323,800 *	46
48	73.5	143.4	180,300	14,000	227,900	75,000	271,800 *	143,800	308,800 *	48
50	72.6	142.7	168,300	10,200	213,400	68,500	259,300 *	134,200	294,900 *	50
55	70.4	141.0	143,000	2,000	182,900	54,500	232,000 *	113,500	264,400 *	55
60	68.2	138.9	122,900		158,700	43,000	209,100 *	96,600	238,900 *	60
65	66.0	136.7	106,500		139,000	33,400	184,700	82,600	217,100 *	65
70	63.7	134.2	92,900		122,700	25,300	164,500	70,700	198,400 *	70
75	61.4	131.5	81,500		108,900	18,400	147,400	60,500	182,100 *	75
80	59.0	128.5	71,700		97,100	12,400	132,800	51,600	167,800 *	80
85	56.5	125.2	63,300		86,900	7,100	120,200	43,900	155,100 *	85
90	54.0	121.6	55,900		78,000	2,500	109,200	37,100	142,400 *	90
95	51.4	117.6	49,400		70,200		99,500	31,000	129,500 *	95



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
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. Hanging Counterweight
360 Degree Rating

80 Ft. Luffing Jib 150 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	0 Lb. Hanging Counterweight	55,000 Lb. Hanging Counterweight		135,000 Lb. Hanging Counterweight		225,000 Lb. Hanging Counterweight		Boom 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	
160 Ft. BOOM										
28	82.9	168.4	392,500 *	90,400	432,000 *	206,300	480,000 *	337,000	480,000 *	28
30	82.2	168.1	364,700 *	77,300	401,800 *	183,800	453,100 *	303,900	480,000 *	30
32	81.5	167.8	340,200 *	66,200	375,100 *	164,700	423,500 *	275,700	477,800 *	32
34	80.7	167.5	318,400 *	56,600	351,400 *	148,200	397,100 *	251,400	448,400 *	34
36	80.0	167.1	294,300	48,300	330,200 *	133,800	373,400 *	230,300	422,100 *	36
38	79.3	166.7	268,300	41,000	311,100 *	121,300	352,200 *	211,800	398,400 *	38
40	78.6	166.2	245,900	34,500	293,800 *	110,100	332,900 *	195,400	376,900 *	40
42	77.8	165.8	226,400	28,800	278,100 *	100,200	315,400 *	180,800	357,400 *	42
44	77.1	165.3	209,300	23,600	262,700	91,300	299,400 *	167,700	339,600 *	44
46	76.3	164.8	194,200	18,900	244,500	83,300	284,800 *	155,900	323,300 *	46
48	75.6	164.3	180,700	14,700	228,300	76,100	271,300 *	145,300	308,300 *	48
50	74.9	163.7	168,600	10,900	213,800	69,500	258,800 *	135,500	294,400 *	50
55	73.0	162.1	143,300	2,600	183,200	55,300	231,500 *	114,600	264,000 *	55
60	71.1	160.4	123,100		159,000	43,700	208,600 *	97,600	238,500 *	60
65	69.2	158.5	106,700		139,200	34,000	184,900	83,400	216,700 *	65
70	67.2	156.4	93,100		122,900	25,800	164,700	71,300	198,000 *	70
75	65.3	154.1	81,700		109,100	18,800	147,600	61,000	181,700 *	75
80	63.3	151.6	71,900		97,300	12,800	133,000	52,100	167,400 *	80
85	61.2	148.8	63,400		87,100	7,500	120,300	44,300	154,800 *	85
90	59.1	145.8	56,000		78,200	2,800	109,300	37,500	143,500 *	90
95	57.0	142.6	49,500		70,300		99,600	31,400	132,600	95
100	54.8	139.1	43,700		63,400		91,000	25,900	122,100	100
105	52.6	135.3	38,500		57,100		83,300	21,000	112,800	105



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
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. Hanging Counterweight
360 Degree Rating

80 Ft. Luffing Jib 150 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	0 Lb. Hanging Counterweight	55,000 Lb. Hanging Counterweight		135,000 Lb. Hanging Counterweight		225,000 Lb. Hanging Counterweight		Boom 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	
180 Ft. BOOM										
32	82.4	188.1	337,100 *	65,800	372,000 *	165,100	420,400 *	277,100	474,700 *	32
34	81.8	187.7	315,300 *	55,900	348,300 *	148,200	394,000 *	252,300	445,300 *	34
36	81.1	187.4	293,700	47,300	327,100 *	133,600	370,300 *	230,800	419,000 *	36
38	80.5	187.1	267,500	39,800	308,000 *	120,700	349,100 *	211,900	395,300 *	38
40	79.8	186.7	244,900	33,200	290,700 *	109,300	329,800 *	195,200	373,800 *	40
42	79.2	186.3	225,300	27,200	275,000 *	99,200	312,300 *	180,400	354,300 *	42
44	78.5	185.8	208,100	21,900	260,600 *	90,100	296,300 *	167,000	336,500 *	44
46	77.9	185.4	192,800	17,100	243,200	81,900	281,700 *	155,000	320,200 *	46
48	77.2	184.9	179,300	12,700	226,900	74,500	268,200 *	144,100	305,200 *	48
50	76.6	184.4	167,100	8,800	212,200	67,700	255,700 *	134,200	291,300 *	50
55	74.9	183.1	141,500	300	181,500	53,200	228,400 *	112,900	260,900 *	55
60	73.3	181.5	121,200		157,100	41,400	205,500 *	95,600	235,300 *	60
65	71.6	179.9	104,700		137,200	31,500	182,900	81,100	213,600 *	65
70	69.9	178.0	91,000		120,700	23,100	162,500	68,900	194,900 *	70
75	68.2	176.0	79,400		106,800	16,000	145,400	58,400	178,600 *	75
80	66.4	173.8	69,600		95,000	9,800	130,700	49,300	164,300 *	80
85	64.7	171.5	61,000		84,700	4,400	118,000	41,400	151,600 *	85
90	62.9	168.9	53,600		75,700		106,900	34,400	140,300 *	90
95	61.1	166.1	47,000		67,800		97,100	28,200	130,100	95
100	59.2	163.2	41,200		60,800		88,500	22,700	119,600	100
105	57.3	160.0	35,900		54,600		80,700	17,700	110,200	105
110	55.4	156.5	31,300		48,900		73,800	13,100	101,700	110
115	53.4	152.8	27,000		43,800		67,500	9,000	94,100	115
120	51.4	148.8	23,200		39,200		61,800	5,300	87,200	120



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
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. Hanging Counterweight
360 Degree Rating

80 Ft. Luffing Jib 150 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	0 Lb. Hanging Counterweight	55,000 Lb. Hanging Counterweight		135,000 Lb. Hanging Counterweight		225,000 Lb. Hanging Counterweight		Boom 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	
200 Ft. BOOM										
34	82.6	208.0	314,900 *	58,100	347,900 *	151,200	393,600 *	256,100	444,900 *	34
36	82.0	207.7	294,900	49,300	326,700 *	136,300	369,900 *	234,300	418,600 *	36
38	81.5	207.4	268,600	41,600	307,600 *	123,200	348,700 *	215,100	394,900 *	38
40	80.9	207.0	245,900	34,800	290,300 *	111,600	329,400 *	198,100	373,400 *	40
42	80.3	206.6	226,200	28,700	274,600 *	101,200	311,900 *	183,000	354,000 *	42
44	79.7	206.3	208,900	23,300	260,200 *	92,000	296,000 *	169,500	336,100 *	44
46	79.1	205.9	193,600	18,400	243,900	83,700	281,300 *	157,300	319,800 *	46
48	78.5	205.4	180,000	13,900	227,600	76,100	267,800 *	146,200	304,800 *	48
50	78.0	205.0	167,700	9,900	212,900	69,200	255,400 *	136,200	290,900 *	50
55	76.5	203.8	142,100	1,100	182,000	54,400	228,100 *	114,500	260,500 *	55
60	75.0	202.4	121,700		157,500	42,400	205,100 *	96,900	235,000 *	60
65	73.5	200.9	105,100		137,600	32,400	183,300	82,200	213,200 *	65
70	72.0	199.3	91,300		121,000	23,900	162,800	69,800	194,500 *	70
75	70.5	197.5	79,700		107,100	16,600	145,600	59,200	178,200 *	75
80	68.9	195.6	69,700		95,100	10,300	130,800	50,000	163,900 *	80
85	67.4	193.5	61,100		84,800	4,800	118,100	42,000	151,200 *	85
90	65.8	191.3	53,600		75,800		107,000	34,900	139,900 *	90
95	64.2	188.8	47,000		67,900		97,200	28,600	129,800 *	95
100	62.6	186.2	41,200		60,800		88,500	23,000	119,600	100
105	61.0	183.5	35,900		54,500		80,700	17,900	110,200	105
110	59.3	180.5	31,200		48,900		73,700	13,300	101,700	110
115	57.6	177.3	26,900		43,800		67,400	9,200	94,000	115
120	55.9	173.9	23,100		39,100		61,700	5,400	87,100	120
125	54.1	170.3	19,500		34,900		56,500	1,900	80,700	125
130	52.3	166.5	16,300		31,000		51,700		74,900	130



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
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. Hanging Counterweight
360 Degree Rating

80 Ft. Luffing Jib 150 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	0 Lb. Hanging Counterweight	55,000 Lb. Hanging Counterweight		135,000 Lb. Hanging Counterweight		225,000 Lb. Hanging Counterweight		Boom 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	
220 Ft. BOOM										
36	82.8	227.9	294,900 *	50,900	326,200 *	138,500	360,600 *	237,300	360,600 *	36
38	82.2	227.6	269,300	43,000	307,100 *	125,200	348,200 *	217,900	360,600 *	38
40	81.7	227.3	246,500	36,100	289,800 *	113,500	328,900 *	200,700	360,600 *	40
42	81.2	227.0	226,800	29,900	274,100 *	103,000	311,400 *	185,400	353,500 *	42
44	80.7	226.6	209,400	24,400	259,800 *	93,600	295,500 *	171,700	335,700 *	44
46	80.1	226.2	194,100	19,400	244,400	85,100	280,800 *	159,300	319,300 *	46
48	79.6	225.9	180,400	14,800	228,000	77,500	267,400 *	148,100	304,300 *	48
50	79.1	225.5	168,100	10,700	213,300	70,500	254,900 *	137,900	290,500 *	50
55	77.7	224.4	142,400	1,900	182,300	55,500	227,600 *	116,000	260,100 *	55
60	76.4	223.1	121,900		157,800	43,300	204,700 *	98,100	234,500 *	60
65	75.0	221.8	105,300		137,800	33,100	183,500	83,300	212,800 *	65
70	73.7	220.3	91,400		121,200	24,500	163,000	70,700	194,100 *	70
75	72.3	218.7	79,800		107,200	17,200	145,700	60,000	177,800 *	75
80	70.9	217.0	69,800		95,200	10,800	130,900	50,700	163,500 *	80
85	69.5	215.1	61,200		84,900	5,200	118,200	42,600	150,800 *	85
90	68.1	213.1	53,700		75,900	300	107,000	35,400	139,500 *	90
95	66.7	211.0	47,100		67,900		97,200	29,000	129,400 *	95
100	65.3	208.6	41,200		60,800		88,500	23,400	119,600	100
105	63.8	206.2	35,900		54,500		80,700	18,200	110,200	105
110	62.4	203.6	31,200		48,900		73,700	13,600	101,700	110
115	60.9	200.8	26,900		43,700		67,400	9,400	94,000	115
120	59.4	197.8	23,000		39,100		61,600	5,500	87,000	120
125	57.8	194.7	19,500		34,800		56,400	2,000	80,600	125
130	56.3	191.3	16,200		30,900		51,600		74,800	130
135	54.7	187.8	12,700 *		27,300		47,200		69,500	135
140	53.0	184.0			24,000		43,100		64,500	140
145	51.4	180.1			21,000		39,300		59,900	145



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
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. Hanging Counterweight
360 Degree Rating

80 Ft. Luffing Jib 150 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	55,000 Lb. Hanging Counterweight		135,000 Lb. Hanging Counterweight		225,000 Lb. Hanging Counterweight		Boom 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	
240 Ft. BOOM									
38	82.9	247.8	44,300	306,600 *	127,100	336,600 *	220,400	336,600 *	38
40	82.4	247.5	37,300	289,400 *	115,200	328,500 *	203,000	336,600 *	40
42	81.9	247.2	31,000	273,700 *	104,600	311,000 *	187,500	336,600 *	42
44	81.4	246.9	25,400	259,300 *	95,100	295,000 *	173,600	335,200 *	44
46	81.0	246.6	20,300	244,700	86,500	280,400 *	161,100	318,900 *	46
48	80.5	246.2	15,700	228,200	78,700	266,900 *	149,800	303,900 *	48
50	80.0	245.8	11,500	213,500	71,700	254,500 *	139,500	290,100 *	50
55	78.8	244.8	2,500	182,500	56,500	227,200 *	117,300	259,700 *	55
60	77.5	243.7		157,900	44,100	204,300 *	99,300	234,100 *	60
65	76.3	242.5		137,900	33,800	183,600	84,300	212,400 *	65
70	75.1	241.2		121,200	25,100	163,000	71,600	193,700 *	70
75	73.8	239.7		107,200	17,700	145,700	60,700	177,400 *	75
80	72.6	238.1		95,200	11,200	130,900	51,300	163,100 *	80
85	71.3	236.4		84,900	5,600	118,200	43,100	150,500 *	85
90	70.1	234.6		75,800	600	107,000	35,900	139,200 *	90
95	68.8	232.7		67,900		97,200	29,400	129,000 *	95
100	67.5	230.6		60,800		88,400	23,700	119,500	100
105	66.2	228.4		54,500		80,600	18,500	110,100	105
110	64.9	226.0		48,800		73,600	13,800	101,600	110
115	63.5	223.5		43,600		67,300	9,600	93,900	115
120	62.2	220.9		39,000		61,500	5,700	86,900	120
125	60.8	218.1		34,700		56,300	2,100	80,500	125
130	59.4	215.1		30,800		51,400		74,700	130
135	58.0	212.0		27,200		47,000		69,300	135
140	56.6	208.7		23,900		42,900		64,400	140
145	55.1	205.2		20,800		39,100		59,800	145
150	53.6	201.6		17,800 *		35,600		55,500	150
155	52.1	197.7		14,500 *		32,300 *		51,500	155



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
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. Hanging Counterweight
360 Degree Rating

80 Ft. Luffing Jib 150 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	135,000 Lb. Hanging Counterweight		225,000 Lb. Hanging Counterweight		Boom 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	
260 Ft. BOOM							
40	83.0	267.7	116,400	271,600 *			40
42	82.5	267.4	105,600	268,200 *	189,100	268,200 *	42
44	82.1	267.1	96,000	264,700 *	175,100	264,700 *	44
46	81.7	266.8	87,300	261,300 *	162,400	261,300 *	46
48	81.2	266.5	79,500	257,900 *	151,000	257,900 *	48
50	80.8	266.2	72,300	253,700 *	140,600	254,500 *	50
55	79.6	265.2	57,000	226,400 *	118,200	246,100 *	55
60	78.5	264.2	44,400	203,500 *	99,900	233,300 *	60
65	77.4	263.1	34,000	183,300	84,700	211,600 *	65
70	76.3	261.9	25,200	162,700	71,900	192,900 *	70
75	75.1	260.5	17,700	145,400	61,000	176,700 *	75
80	74.0	259.1	11,100	130,600	51,500	162,400 *	80
85	72.8	257.5	5,400	117,800	43,200	149,700 *	85
90	71.7	255.9	400	106,600	35,900	138,400 *	90
95	70.5	254.1		96,800	29,400	128,300 *	95
100	69.3	252.2		88,000	23,600	119,100	100
105	68.1	250.2		80,200	18,400	109,700	105
110	66.9	248.1		73,200	13,600	101,200	110
115	65.7	245.8		66,800	9,400	93,500	115
120	64.5	243.4		61,100	5,400	86,500	120
125	63.3	240.9		55,800	1,900	80,100	125
130	62.0	238.2		51,000		74,200	130
135	60.7	235.4		46,600		68,900	135
140	59.5	232.5		42,500		63,900	140
145	58.2	229.4		38,700		59,300	145
150	56.9	226.1		35,200		55,000	150
155	55.5	222.7		31,900 *		51,100	155
160	54.2	219.1		28,200 *		47,400	160
165	52.8	215.3		24,800 *		43,600 *	165
170	51.4	211.3		21,600 *		39,800 *	170



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
 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. Hanging Counterweight
 360 Degree Rating

80 Ft. Luffing Jib 150 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	135,000 Lb. Hanging Counterweight		225,000 Lb. Hanging Counterweight		Boom 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	
280 Ft. BOOM							
44	82.7	287.3	97,300	231,100 *			44
46	82.3	287.1	88,500	228,200 *	164,100	228,200 *	46
48	81.8	286.8	80,600	225,200 *	152,500	225,200 *	48
50	81.4	286.4	73,300	222,300 *	142,000	222,300 *	50
55	80.4	285.6	57,800	214,900 *	119,400	214,900 *	55
60	79.4	284.6	45,100	203,000 *	100,900	207,600 *	60
65	78.3	283.6	34,500	183,300	85,600	200,400 *	65
70	77.3	282.5	25,600	162,700	72,600	192,400 *	70
75	76.2	281.2	18,000	145,300	61,500	176,100 *	75
80	75.1	279.9	11,400	130,500	51,900	161,900 *	80
85	74.1	278.5	5,600	117,700	43,500	149,200 *	85
90	73.0	276.9	500	106,500	36,200	137,900 *	90
95	71.9	275.3		96,600	29,600	127,800 *	95
100	70.9	273.6		87,800	23,700	118,700 *	100
105	69.8	271.7		80,000	18,500	109,500	105
110	68.7	269.7		73,000	13,700	100,900	110
115	67.6	267.7		66,600	9,400	93,200	115
120	66.4	265.5		60,800	5,400	86,200	120
125	65.3	263.2		55,600	1,800	79,800	125
130	64.2	260.8		50,700		74,000	130
135	63.0	258.2		46,300		68,600	135
140	61.9	255.5		42,200		63,600	140
145	60.7	252.7		38,400		59,000	145
150	59.5	249.8		34,900		54,700	150
155	58.3	246.7		31,600		50,800	155
160	57.1	243.5		28,000 *		47,100	160
165	55.8	240.1		24,600 *		43,400 *	165
170	54.6	236.5		21,300 *		39,600 *	170
175	53.3	232.8		18,300 *		36,000 *	175
180	52.0	228.9		15,400 *		32,600 *	180



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
 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. Hanging Counterweight
 360 Degree Rating

80 Ft. Luffing Jib 150 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	225,000 Lb. Hanging Counterweight	
			Minimum Boom Capacity To Swing and Travel Pounds	Boom Capacity Pounds
300 Ft. BOOM				
55	81.0	305.9	119,800	161,700 *
60	80.1	305.0	101,200	156,200 *
65	79.1	304.0	85,700	150,700 *
70	78.1	303.0	72,600	145,300 *
75	77.1	301.8	61,400	139,900 *
80	76.2	300.6	51,700	134,600 *
85	75.2	299.3	43,300	129,300 *
90	74.2	297.8	35,800	124,200 *
95	73.2	296.3	29,200	119,200 *
100	72.2	294.7	23,300	114,300 *
105	71.2	293.0	18,000	108,800
110	70.2	291.2	13,200	100,200
115	69.1	289.3	8,800	92,500
120	68.1	287.3	4,800	85,500
125	67.1	285.1	1,200	79,100
130	66.0	282.9		73,300
135	65.0	280.6		67,900
140	63.9	278.1		62,900
145	62.8	275.6		58,300
150	61.7	272.9		54,000
155	60.6	270.1		50,100
160	59.5	267.1		46,300
165	58.4	264.0		42,700 *
170	57.3	260.8		38,900 *
175	56.1	257.5		35,300 *
180	55.0	254.0		31,800 *
185	53.8	250.3		28,600 *
190	52.6	246.5		25,600 *
195	51.4	242.5		22,700 *



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
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. Hanging Counterweight
360 Degree Rating

90 Ft. Luffing Jib 150 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	0 Lb. Hanging Counterweight	55,000 Lb. Hanging Counterweight		135,000 Lb. Hanging Counterweight		225,000 Lb. Hanging Counterweight		Boom 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	
140 Ft. BOOM										
26	82.7	148.5	421,500 *	98,000	463,900 *	224,100	480,000 *			26
28	81.9	148.2	389,900 *	83,000	429,500 *	198,000	480,000 *	327,600	480,000 *	28
30	81.1	147.9	362,200 *	70,400	399,300 *	176,100	450,600 *	295,100	480,000 *	30
32	80.2	147.5	337,700 *	59,700	372,700 *	157,400	421,000 *	267,600	475,300 *	32
34	79.4	147.1	316,000 *	50,500	349,000 *	141,400	394,600 *	243,800	446,000 *	34
36	78.6	146.6	289,500	42,500	327,800 *	127,400	371,100 *	223,200	419,700 *	36
38	77.7	146.2	263,700	35,400	308,800 *	115,200	349,800 *	205,100	396,100 *	38
40	76.9	145.7	241,500	29,200	291,500 *	104,300	330,600 *	189,000	374,700 *	40
42	76.0	145.2	222,200	23,600	275,800 *	94,600	313,200 *	174,700	355,200 *	42
44	75.2	144.6	205,300	18,600	258,700	86,000	297,200 *	161,900	337,400 *	44
46	74.3	144.0	190,300	14,100	240,700	78,200	282,600 *	150,400	321,100 *	46
48	73.5	143.4	177,000	10,100	224,600	71,100	269,200 *	139,900	306,100 *	48
50	72.6	142.7	165,000	6,400	210,200	64,600	256,700 *	130,400	292,300 *	50
55	70.4	141.0	139,900		179,900	50,800	229,500 *	109,900	261,900 *	55
60	68.2	138.9	120,000		155,900	39,500	206,200	93,100	236,500 *	60
65	66.0	136.7	103,800		136,300	30,000	182,000	79,200	214,800 *	65
70	63.7	134.2	90,300		120,100	22,100	161,900	67,400	196,200 *	70
75	61.4	131.5	79,000		106,400	15,200	144,900	57,300	179,900 *	75
80	59.0	128.5	69,300		94,700	9,300	130,400	48,600	165,600 *	80
85	56.5	125.2	60,900		84,600	4,100	117,900	40,900	153,000 *	85
90	54.0	121.6	53,600		75,800		106,900	34,200	139,500 *	90
95	51.4	117.6	47,200		68,000		97,300	28,200	126,600 *	95



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
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. Hanging Counterweight
360 Degree Rating

90 Ft. Luffing Jib

150 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	0 Lb. Hanging Counterweight	55,000 Lb. Hanging Counterweight		135,000 Lb. Hanging Counterweight		225,000 Lb. Hanging Counterweight		Boom 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	
160 Ft. BOOM										
28	82.9	168.4	389,100 *	84,900	428,700 *	200,800	480,000 *	331,500	480,000 *	28
30	82.2	168.1	361,500 *	72,100	398,600 *	178,600	449,900 *	298,600	480,000 *	30
32	81.5	167.8	337,100 *	61,200	372,000 *	159,700	420,300 *	270,700	474,700 *	32
34	80.7	167.5	315,400 *	51,900	348,400 *	143,400	394,000 *	246,600	445,400 *	34
36	80.0	167.1	290,100	43,700	327,300 *	129,200	370,500 *	225,700	419,100 *	36
38	79.3	166.7	264,300	36,600	308,200 *	116,800	349,300 *	207,300	395,500 *	38
40	78.6	166.2	242,100	30,300	291,000 *	105,900	330,100 *	191,100	374,100 *	40
42	77.8	165.8	222,800	24,600	275,300 *	96,100	312,700 *	176,700	354,700 *	42
44	77.1	165.3	205,800	19,600	259,200	87,300	296,800 *	163,700	336,900 *	44
46	76.3	164.8	190,800	15,000	241,200	79,400	282,200 *	152,000	320,700 *	46
48	75.6	164.3	177,500	10,900	225,000	72,200	268,700 *	141,400	305,700 *	48
50	74.9	163.7	165,500	7,100	210,600	65,700	256,300 *	131,800	291,900 *	50
55	73.0	162.1	140,300		180,300	51,700	229,100 *	111,100	261,600 *	55
60	71.1	160.4	120,300		156,200	40,300	206,300 *	94,200	236,100 *	60
65	69.2	158.5	104,100		136,600	30,700	182,300	80,100	214,500 *	65
70	67.2	156.4	90,600		120,300	22,700	162,100	68,200	195,800 *	70
75	65.3	154.1	79,200		106,600	15,800	145,100	58,000	179,600 *	75
80	63.3	151.6	69,500		94,900	9,800	130,600	49,200	165,400 *	80
85	61.2	148.8	61,100		84,800	4,600	118,100	41,500	152,800 *	85
90	59.1	145.8	53,800		76,000		107,100	34,700	141,500 *	90
95	57.0	142.6	47,300		68,200		97,500	28,600	130,400	95
100	54.8	139.1	41,600		61,300		88,900	23,200	120,000	100
105	52.6	135.3	36,500		55,100		81,300	18,300	110,700	105



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
 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. Hanging Counterweight
 360 Degree Rating

90 Ft. Luffing Jib 150 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	0 Lb. Hanging Counterweight	55,000 Lb. Hanging Counterweight		135,000 Lb. Hanging Counterweight		225,000 Lb. Hanging Counterweight		Boom 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	
180 Ft. BOOM										
32	82.4	188.1	334,000 *	60,900	369,000 *	160,200	417,300 *	272,200	471,600 *	32
34	81.8	187.7	312,300 *	51,200	345,300 *	143,600	391,000 *	247,600	442,300 *	34
36	81.1	187.4	289,600	42,900	324,200 *	129,100	367,400 *	226,300	416,100 *	36
38	80.5	187.1	263,600	35,500	305,200 *	116,400	346,300 *	207,600	392,500 *	38
40	79.8	186.7	241,200	29,000	288,000 *	105,200	327,100 *	191,000	371,100 *	40
42	79.2	186.3	221,800	23,200	272,300 *	95,100	309,600 *	176,300	351,700 *	42
44	78.5	185.8	204,700	18,000	258,000 *	86,200	293,700 *	163,100	333,900 *	44
46	77.9	185.4	189,600	13,300	239,900	78,100	279,100 *	151,200	317,600 *	46
48	77.2	184.9	176,100	9,000	223,700	70,800	265,700 *	140,400	302,700 *	48
50	76.6	184.4	164,000	5,100	209,100	64,100	253,300 *	130,600	288,800 *	50
55	74.9	183.1	138,700		178,600	49,800	226,100 *	109,500	258,500 *	55
60	73.3	181.5	118,500		154,400	38,100	203,200 *	92,300	233,100 *	60
65	71.6	179.9	102,100		134,700	28,300	180,300	77,900	211,400 *	65
70	69.9	178.0	88,500		118,300	20,100	160,100	65,800	192,800 *	70
75	68.2	176.0	77,100		104,500	13,100	143,000	55,500	176,500 *	75
80	66.4	173.8	67,300		92,700	6,900	128,400	46,500	162,300 *	80
85	64.7	171.5	58,800		82,500	1,600	115,800	38,600	149,600 *	85
90	62.9	168.9	51,400		73,600		104,800	31,700	138,400 *	90
95	61.1	166.1	44,900		65,800		95,100	25,600	128,000	95
100	59.2	163.2	39,100		58,800		86,400	20,100	117,600	100
105	57.3	160.0	34,000		52,600		78,800	15,100	108,200	105
110	55.4	156.5	29,300		47,000		71,800	10,600	99,800	110
115	53.4	152.8	25,100		41,900		65,600	6,600	92,200	115
120	51.4	148.8	21,300		37,400		59,900	2,800	85,300	120



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
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. Hanging Counterweight
360 Degree Rating

90 Ft. Luffing Jib 150 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	0 Lb. Hanging Counterweight	55,000 Lb. Hanging Counterweight		135,000 Lb. Hanging Counterweight		225,000 Lb. Hanging Counterweight		Boom 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	
200 Ft. BOOM										
34	82.6	208.0	312,000 *	53,500	345,000 *	146,600	390,600 *	251,500	442,000 *	34
36	82.0	207.7	290,900	44,900	323,900 *	131,800	367,100 *	229,900	415,700 *	36
38	81.5	207.4	264,800	37,400	304,800 *	118,900	345,900 *	210,800	392,100 *	38
40	80.9	207.0	242,300	30,700	287,600 *	107,500	326,700 *	194,000	370,800 *	40
42	80.3	206.6	222,700	24,700	272,000 *	97,300	309,300 *	179,100	351,300 *	42
44	79.7	206.3	205,600	19,400	257,700 *	88,100	293,400 *	165,600	333,600 *	44
46	79.1	205.9	190,400	14,600	240,700	79,900	278,800 *	153,500	317,300 *	46
48	78.5	205.4	176,900	10,300	224,400	72,500	265,400 *	142,600	302,300 *	48
50	78.0	205.0	164,700	6,300	209,900	65,700	252,900 *	132,600	288,500 *	50
55	76.5	203.8	139,300		179,200	51,100	225,700 *	111,200	258,200 *	55
60	75.0	202.4	119,000		154,900	39,200	202,900 *	93,700	232,700 *	60
65	73.5	200.9	102,600		135,100	29,300	180,800	79,100	211,100 *	65
70	72.0	199.3	88,900		118,600	20,900	160,400	66,900	192,400 *	70
75	70.5	197.5	77,400		104,800	13,700	143,300	56,300	176,200 *	75
80	68.9	195.6	67,500		92,900	7,500	128,600	47,200	161,900 *	80
85	67.4	193.5	59,000		82,700	2,100	116,000	39,300	149,300 *	85
90	65.8	191.3	51,600		73,700		104,900	32,300	138,000 *	90
95	64.2	188.8	45,000		65,800		95,200	26,000	127,900 *	95
100	62.6	186.2	39,200		58,900		86,500	20,400	117,600	100
105	61.0	183.5	34,000		52,600		78,800	15,400	108,200	105
110	59.3	180.5	29,300		47,000		71,800	10,900	99,800	110
115	57.6	177.3	25,100		41,900		65,600	6,800	92,200	115
120	55.9	173.9	21,200		37,300		59,900	3,000	85,200	120
125	54.1	170.3	17,700		33,100		54,700		78,900	125
130	52.3	166.5	14,100 *		29,200		49,900		73,100	130



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
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. Hanging Counterweight
360 Degree Rating

90 Ft. Luffing Jib 150 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	0 Lb. Hanging Counterweight	55,000 Lb. Hanging Counterweight		135,000 Lb. Hanging Counterweight		225,000 Lb. Hanging Counterweight		Boom 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	
220 Ft. BOOM										
36	82.8	227.9	291,700	46,500	323,400 *	134,200	357,500 *	233,000	357,500 *	36
38	82.2	227.6	265,500	38,800	304,400 *	121,000	345,400 *	213,700	357,500 *	38
40	81.7	227.3	243,000	32,100	287,200 *	109,400	326,300 *	196,700	357,500 *	40
42	81.2	227.0	223,300	26,000	271,500 *	99,100	308,900 *	181,500	350,900 *	42
44	80.7	226.6	206,100	20,600	257,200 *	89,800	292,900 *	167,900	333,100 *	44
46	80.1	226.2	190,900	15,700	241,200	81,400	278,400 *	155,600	316,900 *	46
48	79.6	225.9	177,300	11,300	224,900	73,900	264,900 *	144,500	301,900 *	48
50	79.1	225.5	165,200	7,200	210,300	67,000	252,500 *	134,400	288,100 *	50
55	77.7	224.4	139,600		179,600	52,200	225,300 *	112,700	257,800 *	55
60	76.4	223.1	119,300		155,200	40,100	202,500 *	95,000	232,400 *	60
65	75.0	221.8	102,800		135,300	30,100	181,000	80,300	210,700 *	65
70	73.7	220.3	89,100		118,800	21,600	160,600	67,800	192,100 *	70
75	72.3	218.7	77,500		104,900	14,300	143,400	57,200	175,800 *	75
80	70.9	217.0	67,700		93,100	8,100	128,800	48,000	161,600 *	80
85	69.5	215.1	59,100		82,800	2,500	116,100	39,900	148,900 *	85
90	68.1	213.1	51,600		73,800		105,000	32,800	137,700 *	90
95	66.7	211.0	45,100		65,900		95,200	26,500	127,600 *	95
100	65.3	208.6	39,200		58,900		86,600	20,900	117,700	100
105	63.8	206.2	34,000		52,600		78,800	15,800	108,300	105
110	62.4	203.6	29,300		47,000		71,900	11,200	99,800	110
115	60.9	200.8	25,100		41,900		65,600	7,000	92,200	115
120	59.4	197.8	21,200		37,300		59,800	3,200	85,200	120
125	57.8	194.7	17,700		33,100		54,600		78,900	125
130	56.3	191.3	14,100 *		29,200		49,800		73,100	130
135	54.7	187.8	10,500 *		25,600		45,500		67,800	135
140	53.0	184.0			22,300		41,400		62,800	140
145	51.4	180.1			19,100 *		37,600		58,300	145



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
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. Hanging Counterweight
360 Degree Rating

90 Ft. Luffing Jib 150 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	55,000 Lb. Hanging Counterweight		135,000 Lb. Hanging Counterweight		225,000 Lb. Hanging Counterweight		Boom 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	
240 Ft. BOOM									
38	82.9	247.8	40,200	303,900 *	123,000	332,700 *	216,300	332,700 *	38
40	82.4	247.5	33,300	286,700 *	111,200	325,900 *	199,000	332,700 *	40
42	81.9	247.2	27,100	271,100 *	100,700	308,400 *	183,700	332,700 *	42
44	81.4	246.9	21,600	256,800 *	91,300	292,500 *	169,900	332,700 *	44
46	81.0	246.6	16,700	241,600	82,900	278,000 *	157,500	316,500 *	46
48	80.5	246.2	12,200	225,200	75,200	264,500 *	146,300	301,500 *	48
50	80.0	245.8	8,100	210,600	68,200	252,100 *	136,000	287,700 *	50
55	78.8	244.8		179,800	53,200	225,000 *	114,100	257,400 *	55
60	77.5	243.7		155,300	41,000	202,200 *	96,200	232,000 *	60
65	76.3	242.5		135,400	30,800	181,100	81,300	210,300 *	65
70	75.1	241.2		118,900	22,200	160,700	68,700	191,700 *	70
75	73.8	239.7		105,000	14,900	143,500	58,000	175,500 *	75
80	72.6	238.1		93,100	8,500	128,800	48,600	161,200 *	80
85	71.3	236.4		82,800	3,000	116,100	40,500	148,600 *	85
90	70.1	234.6		73,800		105,000	33,300	137,400 *	90
95	68.8	232.7		65,900		95,200	27,000	127,300 *	95
100	67.5	230.6		58,900		86,500	21,300	117,600	100
105	66.2	228.4		52,600		78,800	16,100	108,200	105
110	64.9	226.0		46,900		71,800	11,500	99,700	110
115	63.5	223.5		41,800		65,500	7,300	92,100	115
120	62.2	220.9		37,200		59,800	3,400	85,100	120
125	60.8	218.1		33,000		54,500		78,800	125
130	59.4	215.1		29,100		49,700		73,000	130
135	58.0	212.0		25,500		45,300		67,600	135
140	56.6	208.7		22,200		41,300		62,700	140
145	55.1	205.2		19,100 *		37,500		58,200	145
150	53.6	201.6		15,700 *		34,000		53,900	150
155	52.1	197.7		12,400 *		30,200 *		50,000	155



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
 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. Hanging Counterweight
 360 Degree Rating

90 Ft. Luffing Jib 150 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	135,000 Lb. Hanging Counterweight		225,000 Lb. Hanging Counterweight		Boom 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	
260 Ft. BOOM							
40	83.0	267.7	112,400	268,900 *	200,900	268,900 *	40
42	82.5	267.4	101,800	265,500 *	185,300	265,500 *	42
44	82.1	267.1	92,300	262,100 *	171,400	262,100 *	44
46	81.7	266.8	83,700	258,700 *	158,900	258,700 *	46
48	81.2	266.5	76,000	255,400 *	147,500	255,400 *	48
50	80.8	266.2	68,900	251,300 *	137,200	252,000 *	50
55	79.6	265.2	53,700	224,200 *	115,000	243,700 *	55
60	78.5	264.2	41,400	201,400 *	96,900	231,200 *	60
65	77.4	263.1	31,100	180,900	81,800	209,600 *	65
70	76.3	261.9	22,400	160,500	69,100	191,000 *	70
75	75.1	260.5	14,900	143,200	58,200	174,700 *	75
80	74.0	259.1	8,500	128,500	48,800	160,500 *	80
85	72.8	257.5	2,900	115,800	40,600	147,900 *	85
90	71.7	255.9		104,600	33,400	136,600 *	90
95	70.5	254.1		94,800	26,900	126,600 *	95
100	69.3	252.2		86,200	21,200	117,300	100
105	68.1	250.2		78,400	16,000	107,800	105
110	66.9	248.1		71,400	11,300	99,400	110
115	65.7	245.8		65,100	7,100	91,700	115
120	64.5	243.4		59,400	3,200	84,700	120
125	63.3	240.9		54,100		78,400	125
130	62.0	238.2		49,300		72,600	130
135	60.7	235.4		44,900		67,200	135
140	59.5	232.5		40,800		62,300	140
145	58.2	229.4		37,100		57,700	145
150	56.9	226.1		33,600		53,500	150
155	55.5	222.7		29,800 *		49,500	155
160	54.2	219.1		26,200 *		45,600 *	160
165	52.8	215.3		22,800 *		41,600 *	165
170	51.4	211.3		19,600 *		37,800 *	170



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
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. Hanging Counterweight
360 Degree Rating

90 Ft. Luffing Jib 150 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	135,000 Lb. Hanging Counterweight		225,000 Lb. Hanging Counterweight		Boom 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	
280 Ft. BOOM							
44	82.7	287.3	93,700	228,200 *			44
46	82.3	287.1	85,000	225,300 *	160,600	225,300 *	46
48	81.8	286.8	77,100	222,400 *	149,100	222,400 *	48
50	81.4	286.4	70,000	219,500 *	138,600	219,500 *	50
55	80.4	285.6	54,600	212,200 *	116,200	212,200 *	55
60	79.4	284.6	42,100	200,900 *	97,900	204,900 *	60
65	78.3	283.6	31,700	180,900	82,700	197,800 *	65
70	77.3	282.5	22,900	160,400	69,800	190,500 *	70
75	76.2	281.2	15,300	143,200	58,800	174,200 *	75
80	75.1	279.9	8,800	128,400	49,300	160,000 *	80
85	74.1	278.5	3,100	115,700	41,000	147,400 *	85
90	73.0	276.9		104,500	33,700	136,100 *	90
95	71.9	275.3		94,700	27,200	126,100 *	95
100	70.9	273.6		86,000	21,400	117,000 *	100
105	69.8	271.7		78,200	16,200	107,600	105
110	68.7	269.7		71,200	11,400	99,200	110
115	67.6	267.7		64,900	7,200	91,500	115
120	66.4	265.5		59,100	3,200	84,500	120
125	65.3	263.2		53,900		78,100	125
130	64.2	260.8		49,100		72,300	130
135	63.0	258.2		44,700		67,000	135
140	61.9	255.5		40,600		62,000	140
145	60.7	252.7		36,800		57,400	145
150	59.5	249.8		33,300		53,200	150
155	58.3	246.7		29,700 *		49,200	155
160	57.1	243.5		26,000 *		45,500 *	160
165	55.8	240.1		22,600 *		41,400 *	165
170	54.6	236.5		19,400 *		37,600 *	170
175	53.3	232.8		16,300 *		34,000 *	175
180	52.0	228.9		13,500 *		30,700 *	180



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
 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. Hanging Counterweight
 360 Degree Rating

90 Ft. Luffing Jib 150 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	225,000 Lb. Hanging Counterweight	
			Minimum Boom Capacity To Swing and Travel Pounds	Boom Capacity Pounds
300 Ft. BOOM				
55	81.0	305.9	116,700	159,100 *
60	80.1	305.0	98,200	153,700 *
65	79.1	304.0	82,800	148,300 *
70	78.1	303.0	69,800	142,900 *
75	77.1	301.8	58,800	137,500 *
80	76.2	300.6	49,200	132,200 *
85	75.2	299.3	40,800	127,000 *
90	74.2	297.8	33,400	121,900 *
95	73.2	296.3	26,800	116,900 *
100	72.2	294.7	21,000	112,000 *
105	71.2	293.0	15,700	107,000
110	70.2	291.2	10,900	98,500
115	69.1	289.3	6,600	90,800
120	68.1	287.3	2,700	83,800
125	67.1	285.1		77,500
130	66.0	282.9		71,600
135	65.0	280.6		66,300
140	63.9	278.1		61,300
145	62.8	275.6		56,700
150	61.7	272.9		52,500
155	60.6	270.1		48,500
160	59.5	267.1		44,800 *
165	58.4	264.0		40,800 *
170	57.3	260.8		36,900 *
175	56.1	257.5		33,300 *
180	55.0	254.0		29,900 *
185	53.8	250.3		26,700 *
190	52.6	246.5		23,700 *
195	51.4	242.5		20,800 *



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
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. Hanging Counterweight
360 Degree Rating

100 Ft. Luffing Jib 160 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	0 Lb. Hanging Counterweight	55,000 Lb. Hanging Counterweight		135,000 Lb. Hanging Counterweight		225,000 Lb. Hanging Counterweight		Boom 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	
140 Ft. BOOM										
26	82.7	148.5	423,600 *	102,600	466,000 *	228,700	480,000 *			26
28	81.9	148.2	391,600 *	86,900	431,200 *	201,800	480,000 *	331,400	480,000 *	28
30	81.1	147.9	363,700 *	73,700	400,800 *	179,300	452,100 *	298,400	480,000 *	30
32	80.2	147.5	339,000 *	62,400	373,900 *	160,200	422,200 *	270,300	476,600 *	32
34	79.4	147.1	317,000 *	52,800	350,000 *	143,700	395,700 *	246,100	447,000 *	34
36	78.6	146.6	291,300	44,400	328,700 *	129,300	371,900 *	225,100	420,500 *	36
38	77.7	146.2	265,200	37,000	309,400 *	116,700	350,500 *	206,700	396,700 *	38
40	76.9	145.7	242,700	30,500	292,000 *	105,600	331,100 *	190,300	375,100 *	40
42	76.0	145.2	223,200	24,600	276,200 *	95,700	313,500 *	175,700	355,500 *	42
44	75.2	144.6	206,000	19,400	259,500	86,800	297,400 *	162,700	337,600 *	44
46	74.3	144.0	190,900	14,700	241,200	78,700	282,700 *	150,900	321,200 *	46
48	73.5	143.4	177,400	10,400	224,900	71,500	269,100 *	140,300	306,100 *	48
50	72.6	142.7	165,200	6,500	210,400	64,800	256,600 *	130,500	292,200 *	50
55	70.4	141.0	139,800		179,800	50,600	229,100 *	109,700	261,600 *	55
60	68.2	138.9	119,600		155,400	38,900	205,800	92,600	235,900 *	60
65	66.0	136.7	103,100		135,600	29,200	181,300	78,400	214,100 *	65
70	63.7	134.2	89,500		119,200	21,000	161,000	66,400	195,300 *	70
75	61.4	131.5	78,000		105,400	14,000	143,900	56,100	178,900 *	75
80	59.0	128.5	68,100		93,500	7,900	129,300	47,100	164,500 *	80
85	56.5	125.2	59,600		83,300	2,500	116,600	39,300	151,800 *	85
90	54.0	121.6	52,200		74,400		105,600	32,400	137,700 *	90
95	51.4	117.6	45,700		66,500		95,800	26,300	124,700 *	95
100	48.7	113.2	39,900		59,500		87,200	20,800	113,000 *	100
105	45.9	108.4	34,700		53,300		79,500	15,800	102,400 *	105
110	42.9	103.1	30,000		47,700		72,500	11,300	92,800 *	110



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
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. Hanging Counterweight
360 Degree Rating

100 Ft. Luffing Jib 160 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	0 Lb. Hanging Counterweight	55,000 Lb. Hanging Counterweight		135,000 Lb. Hanging Counterweight		225,000 Lb. Hanging Counterweight		Boom 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	
160 Ft. BOOM										
28	82.9	168.4	391,000 *	89,000	430,600 *	204,900	480,000 *	335,600	480,000 *	28
30	82.2	168.1	363,100 *	75,600	400,200 *	182,100	451,500 *	302,100	480,000 *	30
32	81.5	167.8	338,400 *	64,200	373,400 *	162,700	421,700 *	273,700	476,000 *	32
34	80.7	167.5	316,500 *	54,400	349,600 *	145,900	395,200 *	249,100	446,500 *	34
36	80.0	167.1	292,200	45,900	328,200 *	131,400	371,500 *	227,900	420,100 *	36
38	79.3	166.7	266,100	38,400	309,000 *	118,700	350,100 *	209,200	396,300 *	38
40	78.6	166.2	243,500	31,800	291,600 *	107,400	330,800 *	192,700	374,800 *	40
42	77.8	165.8	224,000	25,900	275,800 *	97,400	313,200 *	177,900	355,200 *	42
44	77.1	165.3	206,800	20,600	260,200 *	88,400	297,100 *	164,700	337,300 *	44
46	76.3	164.8	191,600	15,800	241,900	80,200	282,400 *	152,800	320,900 *	46
48	75.6	164.3	178,000	11,500	225,600	72,900	268,900 *	142,100	305,900 *	48
50	74.9	163.7	165,900	7,600	211,000	66,200	256,400 *	132,200	291,900 *	50
55	73.0	162.1	140,400		180,400	51,800	228,900 *	111,200	261,400 *	55
60	71.1	160.4	120,200		156,000	40,000	205,900 *	93,900	235,800 *	60
65	69.2	158.5	103,700		136,200	30,200	181,900	79,600	214,000 *	65
70	67.2	156.4	90,000		119,700	21,900	161,500	67,400	195,200 *	70
75	65.3	154.1	78,500		105,900	14,800	144,400	57,100	178,800 *	75
80	63.3	151.6	68,600		94,000	8,700	129,700	48,100	164,400 *	80
85	61.2	148.8	60,100		83,800	3,300	117,100	40,200	151,700 *	85
90	59.1	145.8	52,700		74,800		106,000	33,200	140,400 *	90
95	57.0	142.6	46,100		66,900		96,300	27,100	129,200	95
100	54.8	139.1	40,300		60,000		87,600	21,500	118,700	100
105	52.6	135.3	35,100		53,700		79,900	16,600	109,300	105
110	50.2	131.1	30,400		48,100		72,900	12,000	100,000 *	110
115	47.8	126.6	26,200		43,000		66,700	7,900	91,000 *	115
120	45.3	121.7	22,300		38,400		61,000	4,200	82,700 *	120
125	42.7	116.3	18,800		34,200		55,800	800	75,100 *	125



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
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. Hanging Counterweight
360 Degree Rating

100 Ft. Luffing Jib 160 Degree Boom to Luffing Jib Angle

Boom Oper. Feet	Boom Rad. Deg.	Boom Point Elev. Feet	0 Lb. Hanging Counterweight	55,000 Lb. Hanging Counterweight		135,000 Lb. Hanging Counterweight		225,000 Lb. Hanging Counterweight		Boom 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	
180 Ft. BOOM										
32	82.4	188.1	335,500 *	64,100	370,400 *	163,400	418,800 *	275,300	473,100 *	32
34	81.8	187.7	313,600 *	54,000	346,600 *	146,300	392,200 *	250,400	443,600 *	34
36	81.1	187.4	291,900	45,200	325,300 *	131,400	368,500 *	228,700	417,200 *	36
38	80.5	187.1	265,500	37,500	306,100 *	118,400	347,200 *	209,600	393,400 *	38
40	79.8	186.7	242,800	30,700	288,700 *	106,900	327,800 *	192,800	371,900 *	40
42	79.2	186.3	223,100	24,600	272,900 *	96,600	310,300 *	177,800	352,300 *	42
44	78.5	185.8	205,800	19,200	258,500 *	87,400	294,200 *	164,300	334,400 *	44
46	77.9	185.4	190,500	14,300	240,800	79,100	279,500 *	152,200	318,000 *	46
48	77.2	184.9	176,900	9,800	224,400	71,600	266,000 *	141,200	302,900 *	48
50	76.6	184.4	164,600	5,800	209,700	64,800	253,400 *	131,200	289,000 *	50
55	74.9	183.1	138,900		178,900	50,000	226,000 *	109,800	258,500 *	55
60	73.3	181.5	118,500		154,400	38,000	203,000 *	92,200	232,800 *	60
65	71.6	179.9	101,900		134,400	28,000	180,100	77,600	211,000 *	65
70	69.9	178.0	88,100		117,900	19,600	159,700	65,300	192,200 *	70
75	68.2	176.0	76,500		103,900	12,300	142,400	54,700	175,900 *	75
80	66.4	173.8	66,600		92,000	6,100	127,700	45,600	161,500 *	80
85	64.7	171.5	58,000		81,700	600	114,900	37,600	148,800 *	85
90	62.9	168.9	50,500		72,700		103,800	30,500	137,400 *	90
95	61.1	166.1	43,900		64,700		94,000	24,300	127,000	95
100	59.2	163.2	38,000		57,700		85,300	18,600	116,400	100
105	57.3	160.0	32,800		51,400		77,600	13,600	107,000	105
110	55.4	156.5	28,000		45,700		70,600	9,000	98,500	110
115	53.4	152.8	23,800		40,600		64,300	4,900	90,900	115
120	51.4	148.8	19,900		36,000		58,500	1,100	83,900	120
125	49.3	144.6	16,100 *		31,700		53,300		76,900 *	125
130	47.1	139.9	12,100 *		27,800		48,500		69,700 *	130
135	44.9	134.9			24,300		44,100		63,100 *	135
140	42.5	129.5			20,700 *		40,000		56,900 *	140



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
 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. Hanging Counterweight
 360 Degree Rating

100 Ft. Luffing Jib 160 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	0 Lb. Hanging Counterweight	55,000 Lb. Hanging Counterweight		135,000 Lb. Hanging Counterweight		225,000 Lb. Hanging Counterweight		Boom 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	
200 Ft. BOOM										
34	82.6	208.0	313,400 *	56,400	346,400 *	149,500	392,000 *	254,400	443,300 *	34
36	82.0	207.7	293,300	47,400	325,000 *	134,400	368,300 *	232,400	416,900 *	36
38	81.5	207.4	266,800	39,500	305,800 *	121,100	346,900 *	213,000	393,100 *	38
40	80.9	207.0	244,000	32,600	288,500 *	109,400	327,600 *	195,900	371,600 *	40
42	80.3	206.6	224,200	26,400	272,700 *	98,900	310,000 *	180,700	352,000 *	42
44	79.7	206.3	206,800	20,800	258,300 *	89,500	294,000 *	167,000	334,200 *	44
46	79.1	205.9	191,500	15,800	241,800	81,100	279,300 *	154,700	317,800 *	46
48	78.5	205.4	177,800	11,300	225,300	73,500	265,700 *	143,600	302,700 *	48
50	78.0	205.0	165,500	7,100	210,600	66,500	253,200 *	133,400	288,800 *	50
55	76.5	203.8	139,700		179,600	51,500	225,800 *	111,600	258,200 *	55
60	75.0	202.4	119,200		155,000	39,300	202,800 *	93,800	232,600 *	60
65	73.5	200.9	102,500		135,000	29,100	180,700	79,000	210,800 *	65
70	72.0	199.3	88,600		118,400	20,500	160,100	66,500	192,000 *	70
75	70.5	197.5	76,900		104,300	13,200	142,800	55,800	175,600 *	75
80	68.9	195.6	66,900		92,300	6,800	128,100	46,500	161,300 *	80
85	67.4	193.5	58,300		82,000	1,200	115,300	38,400	148,500 *	85
90	65.8	191.3	50,800		72,900		104,100	31,300	137,200 *	90
95	64.2	188.8	44,100		65,000		94,300	24,900	127,000 *	95
100	62.6	186.2	38,200		57,900		85,500	19,200	116,700	100
105	61.0	183.5	32,900		51,600		77,700	14,100	107,200	105
110	59.3	180.5	28,200		45,900		70,700	9,500	98,700	110
115	57.6	177.3	23,900		40,700		64,400	5,300	91,000	115
120	55.9	173.9	20,000		36,100		58,600	1,400	84,000	120
125	54.1	170.3	16,300 *		31,800		53,400		77,600	125
130	52.3	166.5	12,300 *		27,900		48,600		71,800	130
135	50.4	162.4			24,300		44,100		66,400	135
140	48.5	158.0			20,900 *		40,000		61,100 *	140
145	46.6	153.2			17,100 *		36,100 *		55,200 *	145
150	44.5	148.2			13,700 *		32,000 *		49,700 *	150
155	42.4	142.8			10,400 *		28,100 *		44,600 *	155



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
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. Hanging Counterweight
360 Degree Rating

100 Ft. Luffing Jib 160 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	0 Lb. Hanging Counterweight	55,000 Lb. Hanging Counterweight		135,000 Lb. Hanging Counterweight		225,000 Lb. Hanging Counterweight		Boom 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	
220 Ft. BOOM										
36	82.8	227.9	293,300 *	49,200	324,600 *	136,800	359,900 *	235,600	359,900 *	36
38	82.2	227.6	267,700	41,200	305,400 *	123,400	346,500 *	216,000	359,900 *	38
40	81.7	227.3	244,800	34,100	288,100 *	111,500	327,200 *	198,700	359,900 *	40
42	81.2	227.0	224,900	27,800	272,300 *	100,900	309,600 *	183,300	351,700 *	42
44	80.7	226.6	207,500	22,100	257,900 *	91,400	293,600 *	169,400	333,800 *	44
46	80.1	226.2	192,100	17,000	242,400	82,800	278,900 *	156,900	317,400 *	46
48	79.6	225.9	178,300	12,400	225,900	75,000	265,400 *	145,600	302,400 *	48
50	79.1	225.5	166,000	8,200	211,100	67,900	252,900 *	135,300	288,400 *	50
55	77.7	224.4	140,100		180,100	52,800	225,500 *	113,300	257,900 *	55
60	76.4	223.1	119,600		155,400	40,400	202,500 *	95,300	232,300 *	60
65	75.0	221.8	102,800		135,300	30,100	181,000	80,300	210,500 *	65
70	73.7	220.3	88,900		118,700	21,400	160,500	67,600	191,700 *	70
75	72.3	218.7	77,200		104,600	13,900	143,100	56,800	175,400 *	75
80	70.9	217.0	67,200		92,600	7,500	128,300	47,400	161,000 *	80
85	69.5	215.1	58,500		82,200	1,800	115,500	39,200	148,300 *	85
90	68.1	213.1	51,000		73,100		104,300	32,000	137,000 *	90
95	66.7	211.0	44,300		65,200		94,500	25,600	126,800 *	95
100	65.3	208.6	38,400		58,100		85,700	19,800	116,800	100
105	63.8	206.2	33,100		51,700		77,900	14,600	107,300	105
110	62.4	203.6	28,300		46,000		70,900	10,000	98,800	110
115	60.9	200.8	24,000		40,900		64,500	5,700	91,100	115
120	59.4	197.8	20,100		36,200		58,700	1,800	84,100	120
125	57.8	194.7	16,500 *		31,900		53,500		77,700	125
130	56.3	191.3	12,500 *		28,000		48,600		71,900	130
135	54.7	187.8			24,400		44,200		66,500	135
140	53.0	184.0			21,100		40,100		61,500	140
145	51.4	180.1			17,300 *		36,300		56,900	145
150	49.7	175.8			13,900 *		32,200 *		52,700	150
155	47.9	171.3			10,600 *		28,300 *		48,000 *	155
160	46.1	166.5					24,700 *		43,200 *	160
165	44.3	161.4					21,300 *		38,600 *	165
170	42.3	156.0					18,100 *		34,300 *	170



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
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. Hanging Counterweight
360 Degree Rating

100 Ft. Luffing Jib 160 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	55,000 Lb. Hanging Counterweight		135,000 Lb. Hanging Counterweight		225,000 Lb. Hanging Counterweight		Boom 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	
240 Ft. BOOM									
38	82.9	247.8	42,600	305,100 *	125,400	336,000 *	218,700	336,000 *	38
40	82.4	247.5	35,400	287,700 *	113,300	326,900 *	201,200	336,000 *	40
42	81.9	247.2	29,000	272,000 *	102,600	309,300 *	185,600	336,000 *	42
44	81.4	246.9	23,300	257,500 *	93,000	293,300 *	171,600	333,500 *	44
46	81.0	246.6	18,100	242,800	84,300	278,600 *	158,900	317,100 *	46
48	80.5	246.2	13,400	226,300	76,400	265,100 *	147,500	302,000 *	48
50	80.0	245.8	9,100	211,500	69,300	252,600 *	137,100	288,100 *	50
55	78.8	244.8		180,400	53,900	225,200 *	114,800	257,600 *	55
60	77.5	243.7		155,700	41,400	202,200 *	96,600	232,000 *	60
65	76.3	242.5		135,600	31,000	181,300	81,400	210,200 *	65
70	75.1	241.2		118,900	22,200	160,700	68,600	191,500 *	70
75	73.8	239.7		104,800	14,600	143,300	57,700	175,100 *	75
80	72.6	238.1		92,700	8,100	128,500	48,200	160,800 *	80
85	71.3	236.4		82,300	2,400	115,600	39,900	148,000 *	85
90	70.1	234.6		73,200		104,400	32,600	136,700 *	90
95	68.8	232.7		65,200		94,500	26,100	126,500 *	95
100	67.5	230.6		58,100		85,800	20,300	116,900	100
105	66.2	228.4		51,800		78,000	15,100	107,400	105
110	64.9	226.0		46,100		70,900	10,400	98,900	110
115	63.5	223.5		40,900		64,500	6,100	91,200	115
120	62.2	220.9		36,200		58,800	2,200	84,100	120
125	60.8	218.1		31,900		53,500		77,800	125
130	59.4	215.1		28,000		48,600		71,900	130
135	58.0	212.0		24,400		44,200		66,500	135
140	56.6	208.7		21,000		40,100		61,500	140
145	55.1	205.2		17,500 *		36,300		56,900	145
150	53.6	201.6		14,000 *		32,400 *		52,700	150
155	52.1	197.7		10,700 *		28,500 *		48,500 *	155
160	50.6	193.6				24,800 *		44,200 *	160
165	49.0	189.3				21,400 *		40,100 *	165
170	47.4	184.7				18,200 *		36,300 *	170
175	45.7	179.8				15,200 *		32,700 *	175
180	44.0	174.7				12,300 *		29,100 *	180
185	42.3	169.2						25,400 *	185



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
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. Hanging Counterweight
360 Degree Rating

100 Ft. Luffing Jib 160 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	135,000 Lb. Hanging Counterweight		225,000 Lb. Hanging Counterweight		Boom 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	
260 Ft. BOOM							
40	83.0	267.7	114,700	274,100 *	203,100	274,100 *	40
42	82.5	267.4	103,800	270,500 *	187,300	270,500 *	42
44	82.1	267.1	94,000	267,000 *	173,200	267,000 *	44
46	81.7	266.8	85,300	263,400 *	160,400	263,400 *	46
48	81.2	266.5	77,300	259,900 *	148,800	259,900 *	48
50	80.8	266.2	70,100	251,800 *	138,300	256,400 *	50
55	79.6	265.2	54,500	224,400 *	115,800	247,700 *	55
60	78.5	264.2	41,800	201,500 *	97,300	231,300 *	60
65	77.4	263.1	31,300	181,100	82,000	209,500 *	65
70	76.3	261.9	22,400	160,500	69,100	190,800 *	70
75	75.1	260.5	14,800	143,100	58,100	174,400 *	75
80	74.0	259.1	8,200	128,200	48,500	160,100 *	80
85	72.8	257.5	2,400	115,400	40,100	147,400 *	85
90	71.7	255.9		104,100	32,800	136,100 *	90
95	70.5	254.1		94,300	26,200	125,900 *	95
100	69.3	252.2		85,500	20,400	116,600	100
105	68.1	250.2		77,700	15,100	107,100	105
110	66.9	248.1		70,600	10,300	98,600	110
115	65.7	245.8		64,200	6,000	90,800	115
120	64.5	243.4		58,400	2,100	83,800	120
125	63.3	240.9		53,200		77,400	125
130	62.0	238.2		48,300		71,600	130
135	60.7	235.4		43,900		66,200	135
140	59.5	232.5		39,800		61,200	140
145	58.2	229.4		36,000		56,600	145
150	56.9	226.1		32,200 *		52,300	150
155	55.5	222.7		28,200 *		48,300 *	155
160	54.2	219.1		24,600 *		44,000 *	160
165	52.8	215.3		21,100 *		39,900 *	165
170	51.4	211.3		17,900 *		36,100 *	170
175	49.9	207.1		14,800 *		32,500 *	175
180	48.5	202.7		12,000 *		29,100 *	180
185	47.0	198.0				25,900 *	185
190	45.4	193.1				22,900 *	190
195	43.8	187.9				20,000 *	195
200	42.2	182.5				17,200 *	200



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
 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. Hanging Counterweight
 360 Degree Rating

100 Ft. Luffing Jib 160 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	135,000 Lb. Hanging Counterweight		225,000 Lb. Hanging Counterweight		Boom 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	
280 Ft. BOOM							
44	82.7	287.3	95,500	233,800 *	175,100	233,800 *	44
46	82.3	287.1	86,600	230,700 *	162,200	230,700 *	46
48	81.8	286.8	78,600	227,600 *	150,500	227,600 *	48
50	81.4	286.4	71,200	224,500 *	139,900	224,500 *	50
55	80.4	285.6	55,500	216,800 *	117,100	216,800 *	55
60	79.4	284.6	42,600	201,000 *	98,500	209,300 *	60
65	78.3	283.6	32,000	181,200	83,000	201,800 *	65
70	77.3	282.5	22,900	160,500	69,900	190,300 *	70
75	76.2	281.2	15,200	143,100	58,700	174,000 *	75
80	75.1	279.9	8,500	128,200	49,100	159,700 *	80
85	74.1	278.5	2,700	115,300	40,600	147,000 *	85
90	73.0	276.9		104,100	33,200	135,600 *	90
95	71.9	275.3		94,200	26,600	125,500 *	95
100	70.9	273.6		85,400	20,600	116,300 *	100
105	69.8	271.7		77,500	15,300	107,000	105
110	68.7	269.7		70,500	10,500	98,400	110
115	67.6	267.7		64,100	6,200	90,700	115
120	66.4	265.5		58,300	2,200	83,700	120
125	65.3	263.2		53,000		77,300	125
130	64.2	260.8		48,100		71,400	130
135	63.0	258.2		43,700		66,000	135
140	61.9	255.5		39,600		61,000	140
145	60.7	252.7		35,800		56,400	145
150	59.5	249.8		32,100 *		52,100	150
155	58.3	246.7		28,200 *		48,100	155
160	57.1	243.5		24,500 *		43,900 *	160
165	55.8	240.1		21,000 *		39,800 *	165
170	54.6	236.5		17,800 *		36,000 *	170
175	53.3	232.8		14,700 *		32,400 *	175
180	52.0	228.9		11,800 *		29,000 *	180
185	50.7	224.8				25,800 *	185
190	49.4	220.6				22,700 *	190
195	48.0	216.1				19,800 *	195
200	46.6	211.3				17,100 *	200
205	45.1	206.4				14,500 *	205
210	43.7	201.2				12,000 *	210



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
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. Hanging Counterweight
360 Degree Rating

100 Ft. Luffing Jib 160 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	225,000 Lb. Hanging Counterweight	
			Minimum Boom Capacity To Swing and Travel Pounds	Boom Capacity Pounds
300 Ft. BOOM				
55	81.0	305.9	117,600	163,700 *
60	80.1	305.0	98,800	157,900 *
65	79.1	304.0	83,200	152,100 *
70	78.1	303.0	70,000	146,500 *
75	77.1	301.8	58,700	140,900 *
80	76.2	300.6	49,000	135,400 *
85	75.2	299.3	40,500	130,000 *
90	74.2	297.8	32,900	124,700 *
95	73.2	296.3	26,300	119,500 *
100	72.2	294.7	20,300	114,300 *
105	71.2	293.0	15,000	106,400
110	70.2	291.2	10,100	97,800
115	69.1	289.3	5,700	90,100
120	68.1	287.3	1,700	83,100
125	67.1	285.1		76,600
130	66.0	282.9		70,800
135	65.0	280.6		65,400
140	63.9	278.1		60,400
145	62.8	275.6		55,800
150	61.7	272.9		51,500
155	60.6	270.1		47,500
160	59.5	267.1		43,400 *
165	58.4	264.0		39,300 *
170	57.3	260.8		35,400 *
175	56.1	257.5		31,800 *
180	55.0	254.0		28,400 *
185	53.8	250.3		25,100 *
190	52.6	246.5		22,100 *
195	51.4	242.5		19,200 *
200	50.1	238.3		16,400 *
205	48.9	234.0		13,800 *
210	47.6	229.4		11,300 *



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
 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. Hanging Counterweight
 360 Degree Rating

110 Ft. Luffing Jib 160 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	0 Lb. Hanging Counterweight	55,000 Lb. Hanging Counterweight		135,000 Lb. Hanging Counterweight		225,000 Lb. Hanging Counterweight		Boom 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	
140 Ft. BOOM										
26	82.7	148.5	420,200 *	97,100	462,700 *	223,100	480,000 *			26
28	81.9	148.2	388,400 *	81,600	428,000 *	196,600	480,000 *	326,200	480,000 *	28
30	81.1	147.9	360,500 *	68,600	397,700 *	174,300	449,000 *	293,400	480,000 *	30
32	80.2	147.5	335,900 *	57,600	370,900 *	155,300	419,200 *	265,500	473,500 *	32
34	79.4	147.1	314,100 *	48,100	347,100 *	139,000	392,700 *	241,500	444,000 *	34
36	78.6	146.6	287,300	39,900	325,800 *	124,800	369,000 *	220,600	417,600 *	36
38	77.7	146.2	261,300	32,600	306,600 *	112,400	347,700 *	202,300	393,900 *	38
40	76.9	145.7	239,000	26,200	289,200 *	101,300	328,300 *	186,000	372,400 *	40
42	76.0	145.2	219,600	20,500	273,400 *	91,500	310,800 *	171,600	352,800 *	42
44	75.2	144.6	202,500	15,300	256,000	82,700	294,700 *	158,600	334,900 *	44
46	74.3	144.0	187,500	10,700	237,800	74,800	280,000 *	146,900	318,600 *	46
48	73.5	143.4	174,000	6,500	221,600	67,500	266,500 *	136,400	303,500 *	48
50	72.6	142.7	162,000	2,700	207,100	61,000	254,000 *	126,700	289,600 *	50
55	70.4	141.0	136,700		176,700	46,900	226,600 *	106,000	259,100 *	55
60	68.2	138.9	116,700		152,500	35,400	202,900	89,000	233,500 *	60
65	66.0	136.7	100,300		132,800	25,800	178,500	74,900	211,700 *	65
70	63.7	134.2	86,800		116,500	17,700	158,300	63,000	192,900 *	70
75	61.4	131.5	75,400		102,800	10,700	141,300	52,800	176,600 *	75
80	59.0	128.5	65,600		91,000	4,700	126,700	43,900	162,300 *	80
85	56.5	125.2	57,200		80,800		114,100	36,200	149,100 *	85
90	54.0	121.6	49,800		72,000		103,100	29,300	134,600 *	90
95	51.4	117.6	43,300		64,100		93,500	23,200	121,600 *	95
100	48.7	113.2	37,500		57,200		84,900	17,800	110,000 *	100
105	45.9	108.4	32,400		51,000		77,200	12,900	99,500 *	105
110	42.9	103.1	27,800		45,500		70,300	8,400	89,900 *	110



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
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. Hanging Counterweight
360 Degree Rating

110 Ft. Luffing Jib 160 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	0 Lb. Hanging Counterweight		55,000 Lb. Hanging Counterweight		135,000 Lb. Hanging Counterweight		225,000 Lb. Hanging Counterweight		Boom 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	
160 Ft. BOOM											
28	82.9	168.4	387,800 *	83,900	427,400 *	199,800	480,000 *	330,500	480,000 *	28	
30	82.2	168.1	360,000 *	70,700	397,200 *	177,200	448,500 *	297,200	480,000 *	30	
32	81.5	167.8	335,500 *	59,500	370,400 *	158,000	418,700 *	269,000	473,100 *	32	
34	80.7	167.5	313,700 *	49,900	346,700 *	141,400	392,300 *	244,700	443,600 *	34	
36	80.0	167.1	288,300	41,500	325,400 *	127,100	368,600 *	223,500	417,300 *	36	
38	79.3	166.7	262,300	34,200	306,300 *	114,500	347,300 *	205,000	393,500 *	38	
40	78.6	166.2	239,900	27,700	288,900 *	103,300	328,100 *	188,600	372,100 *	40	
42	77.8	165.8	220,500	21,900	273,200 *	93,400	310,500 *	173,900	352,500 *	42	
44	77.1	165.3	203,400	16,700	256,800	84,500	294,500 *	160,800	334,700 *	44	
46	76.3	164.8	188,300	12,000	238,600	76,400	279,900 *	149,000	318,400 *	46	
48	75.6	164.3	174,900	7,800	222,400	69,100	266,300 *	138,300	303,300 *	48	
50	74.9	163.7	162,800	3,900	207,900	62,500	253,900 *	128,600	289,400 *	50	
55	73.0	162.1	137,500		177,400	48,300	226,500 *	107,600	259,000 *	55	
60	71.1	160.4	117,400		153,200	36,600	203,600 *	90,500	233,400 *	60	
65	69.2	158.5	101,000		133,500	26,900	179,200	76,300	211,700 *	65	
70	67.2	156.4	87,400		117,200	18,700	158,900	64,200	192,900 *	70	
75	65.3	154.1	76,000		103,400	11,700	141,900	53,900	176,600 *	75	
80	63.3	151.6	66,200		91,600	5,600	127,300	45,000	162,300 *	80	
85	61.2	148.8	57,700		81,400	300	114,700	37,200	149,600 *	85	
90	59.1	145.8	50,300		72,500		103,700	30,300	138,300 *	90	
95	57.0	142.6	43,800		64,700		94,000	24,200	127,000 *	95	
100	54.8	139.1	38,100		57,700		85,400	18,700	116,500 *	100	
105	52.6	135.3	32,900		51,500		77,700	13,800	107,100 *	105	
110	50.2	131.1	28,300		45,900		70,800	9,300	97,200 *	110	
115	47.8	126.6	24,100		40,900		64,600	5,200	88,300 *	115	
120	45.3	121.7	20,300		36,300		58,900	1,500	80,000 *	120	
125	42.7	116.3	16,800 *		32,100		53,700		72,500 *	125	



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
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. Hanging Counterweight
360 Degree Rating

110 Ft. Luffing Jib 160 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	0 Lb. Hanging Counterweight	55,000 Lb. Hanging Counterweight		135,000 Lb. Hanging Counterweight		225,000 Lb. Hanging Counterweight		Boom 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	
180 Ft. BOOM										
32	82.4	188.1	332,600 *	59,500	367,600 *	158,800	415,900 *	270,800	470,200 *	32
34	81.8	187.7	310,800 *	49,600	343,800 *	141,900	389,400 *	246,000	440,800 *	34
36	81.1	187.4	288,000	41,000	322,600 *	127,200	365,800 *	224,500	414,400 *	36
38	80.5	187.1	261,900	33,400	303,400 *	114,300	344,500 *	205,500	390,700 *	38
40	79.8	186.7	239,300	26,700	286,100 *	102,900	325,200 *	188,800	369,200 *	40
42	79.2	186.3	219,700	20,800	270,300 *	92,800	307,700 *	173,900	349,700 *	42
44	78.5	185.8	202,500	15,400	256,000	83,700	291,700 *	160,600	331,900 *	44
46	77.9	185.4	187,300	10,600	237,700	75,400	277,000 *	148,500	315,500 *	46
48	77.2	184.9	173,800	6,200	221,400	68,000	263,500 *	137,600	300,500 *	48
50	76.6	184.4	161,600	2,200	206,800	61,200	251,000 *	127,700	286,600 *	50
55	74.9	183.1	136,100		176,100	46,600	223,700 *	106,400	256,100 *	55
60	73.3	181.5	115,800		151,700	34,800	200,700 *	89,000	230,600 *	60
65	71.6	179.9	99,300		131,800	24,900	177,500	74,500	208,800 *	65
70	69.9	178.0	85,600		115,400	16,500	157,200	62,200	190,100 *	70
75	68.2	176.0	74,100		101,500	9,300	140,000	51,700	173,800 *	75
80	66.4	173.8	64,200		89,600	3,100	125,300	42,700	159,400 *	80
85	64.7	171.5	55,700		79,400		112,700	34,700	146,700 *	85
90	62.9	168.9	48,300		70,400		101,600	27,700	135,400 *	90
95	61.1	166.1	41,700		62,500		91,800	21,500	124,800	95
100	59.2	163.2	35,900		55,500		83,200	15,900	114,300	100
105	57.3	160.0	30,700		49,300		75,500	10,900	104,900	105
110	55.4	156.5	26,000		43,700		68,500	6,400	96,500	110
115	53.4	152.8	21,800		38,600		62,200	2,200	88,800	115
120	51.4	148.8	17,700 *		34,000		56,500		81,900	120
125	49.3	144.6	13,500 *		29,700		51,300		74,300 *	125
130	47.1	139.9			25,900		46,500		67,200 *	130
135	44.9	134.9			22,200 *		42,200		60,600 *	135
140	42.5	129.5			18,200 *		37,900 *		54,400 *	140



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
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. Hanging Counterweight
360 Degree Rating

110 Ft. Luffing Jib 160 Degree Boom to Luffing Jib Angle

Boom Oper. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	0 Lb. Hanging Counterweight	55,000 Lb. Hanging Counterweight		135,000 Lb. Hanging Counterweight		225,000 Lb. Hanging Counterweight		Boom 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	
200 Ft. BOOM										
34	82.6	208.0	310,600 *	52,100	343,600 *	145,200	389,200 *	250,200	440,600 *	34
36	82.0	207.7	289,600	43,300	322,400 *	130,300	365,600 *	228,300	414,200 *	36
38	81.5	207.4	263,300	35,600	303,200 *	117,100	344,300 *	209,100	390,500 *	38
40	80.9	207.0	240,600	28,700	285,900 *	105,500	325,000 *	192,100	369,000 *	40
42	80.3	206.6	220,900	22,600	270,200 *	95,200	307,500 *	176,900	349,500 *	42
44	79.7	206.3	203,700	17,200	255,800 *	85,900	291,500 *	163,400	331,700 *	44
46	79.1	205.9	188,400	12,200	238,700	77,500	276,800 *	151,100	315,400 *	46
48	78.5	205.4	174,800	7,800	222,400	69,900	263,300 *	140,100	300,300 *	48
50	78.0	205.0	162,600	3,700	207,700	63,100	250,900 *	130,000	286,400 *	50
55	76.5	203.8	136,900		176,900	48,200	223,500 *	108,300	256,000 *	55
60	75.0	202.4	116,600		152,400	36,100	200,600 *	90,700	230,400 *	60
65	73.5	200.9	100,000		132,500	26,100	178,200	76,000	208,600 *	65
70	72.0	199.3	86,200		115,900	17,600	157,700	63,500	189,900 *	70
75	70.5	197.5	74,600		102,000	10,300	140,500	52,900	173,600 *	75
80	68.9	195.6	64,700		90,100	4,000	125,800	43,700	159,300 *	80
85	67.4	193.5	56,100		79,800		113,100	35,600	146,600 *	85
90	65.8	191.3	48,600		70,800		102,000	28,500	135,200 *	90
95	64.2	188.8	42,000		62,900		92,200	22,200	125,100 *	95
100	62.6	186.2	36,200		55,800		83,500	16,600	114,600	100
105	61.0	183.5	30,900		49,500		75,700	11,500	105,200	105
110	59.3	180.5	26,200		43,900		68,700	6,900	96,700	110
115	57.6	177.3	22,000		38,800		62,400	2,700	89,000	115
120	55.9	173.9	18,100 *		34,100		56,700		82,100	120
125	54.1	170.3	13,800 *		29,900		51,500		75,700	125
130	52.3	166.5			26,000		46,700		69,900	130
135	50.4	162.4			22,400 *		42,300		64,600	135
140	48.5	158.0			18,400 *		38,100 *		58,700 *	140
145	46.6	153.2			14,800 *		33,700 *		52,800 *	145
150	44.5	148.2			11,300 *		29,600 *		47,400 *	150
155	42.4	142.8					25,800 *		42,300 *	155



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
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. Hanging Counterweight
360 Degree Rating

110 Ft. Luffing Jib 160 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	0 Lb. Hanging Counterweight	55,000 Lb. Hanging Counterweight		135,000 Lb. Hanging Counterweight		225,000 Lb. Hanging Counterweight		Boom 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	
220 Ft. BOOM										
36	82.8	227.9	290,600	45,200	322,000 *	132,800	357,200 *	231,600	357,200 *	36
38	82.2	227.6	264,200	37,300	302,900 *	119,500	343,900 *	212,100	357,200 *	38
40	81.7	227.3	241,500	30,300	285,600 *	107,700	324,700 *	194,900	357,200 *	40
42	81.2	227.0	221,700	24,100	269,800 *	97,200	307,200 *	179,600	349,200 *	42
44	80.7	226.6	204,400	18,500	255,500 *	87,800	291,200 *	165,800	331,400 *	44
46	80.1	226.2	189,100	13,500	239,400	79,300	276,500 *	153,400	315,100 *	46
48	79.6	225.9	175,400	9,000	223,000	71,600	263,000 *	142,200	300,000 *	48
50	79.1	225.5	163,200	4,800	208,300	64,600	250,600 *	132,000	286,100 *	50
55	77.7	224.4	137,500		177,400	49,600	223,300 *	110,100	255,700 *	55
60	76.4	223.1	117,000		152,900	37,300	200,300 *	92,200	230,200 *	60
65	75.0	221.8	100,400		132,900	27,100	178,600	77,300	208,400 *	65
70	73.7	220.3	86,600		116,300	18,500	158,100	64,700	189,700 *	70
75	72.3	218.7	75,000		102,400	11,100	140,900	54,000	173,400 *	75
80	70.9	217.0	65,000		90,400	4,700	126,100	44,700	159,100 *	80
85	69.5	215.1	56,400		80,100		113,400	36,500	146,400 *	85
90	68.1	213.1	48,900		71,100		102,200	29,300	135,100 *	90
95	66.7	211.0	42,300		63,100		92,400	23,000	124,900 *	95
100	65.3	208.6	36,400		56,100		83,700	17,300	114,800	100
105	63.8	206.2	31,100		49,800		75,900	12,100	105,400	105
110	62.4	203.6	26,400		44,100		68,900	7,500	96,900	110
115	60.9	200.8	22,100		39,000		62,600	3,300	89,200	115
120	59.4	197.8	18,300		34,300		56,900		82,200	120
125	57.8	194.7	14,100 *		30,100		51,600		75,900	125
130	56.3	191.3	10,200 *		26,200		46,800		70,100	130
135	54.7	187.8			22,600		42,400		64,700	135
140	53.0	184.0			18,800 *		38,300		59,800	140
145	51.4	180.1			15,000 *		34,000 *		55,200	145
150	49.7	175.8			11,600 *		29,900 *		50,500 *	150
155	47.9	171.3					26,000 *		45,800 *	155
160	46.1	166.5					22,400 *		40,900 *	160
165	44.3	161.4					19,000 *		36,400 *	165
170	42.3	156.0					15,900 *		32,100 *	170



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
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. Hanging Counterweight
360 Degree Rating

110 Ft. Luffing Jib 160 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	55,000 Lb. Hanging Counterweight		135,000 Lb. Hanging Counterweight		225,000 Lb. Hanging Counterweight		Boom 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	
240 Ft. BOOM									
38	82.9	247.8	38,800	302,600 *	121,600	332,600 *	214,900	332,600 *	38
40	82.4	247.5	31,700	285,300 *	109,600	324,400 *	197,500	332,600 *	40
42	81.9	247.2	25,400	269,500 *	99,000	306,900 *	182,000	332,600 *	42
44	81.4	246.9	19,800	255,200 *	89,500	290,900 *	168,100	331,100 *	44
46	81.0	246.6	14,700	239,900	80,900	276,200 *	155,500	314,800 *	46
48	80.5	246.2	10,100	223,500	73,100	262,800 *	144,200	299,700 *	48
50	80.0	245.8	5,900	208,700	66,000	250,300 *	133,800	285,900 *	50
55	78.8	244.8		177,800	50,800	223,000 *	111,700	255,400 *	55
60	77.5	243.7		153,200	38,400	200,100 *	93,600	229,900 *	60
65	76.3	242.5		133,200	28,100	178,900	78,500	208,200 *	65
70	75.1	241.2		116,600	19,300	158,400	65,800	189,500 *	70
75	73.8	239.7		102,600	11,900	141,100	54,900	173,200 *	75
80	72.6	238.1		90,600	5,400	126,300	45,500	158,800 *	80
85	71.3	236.4		80,200		113,500	37,300	146,200 *	85
90	70.1	234.6		71,200		102,400	30,000	134,900 *	90
95	68.8	232.7		63,200		92,600	23,600	124,700 *	95
100	67.5	230.6		56,200		83,800	17,800	114,900	100
105	66.2	228.4		49,900		76,000	12,700	105,500	105
110	64.9	226.0		44,200		69,000	8,000	97,000	110
115	63.5	223.5		39,000		62,700	3,700	89,300	115
120	62.2	220.9		34,400		56,900		82,300	120
125	60.8	218.1		30,100		51,700		75,900	125
130	59.4	215.1		26,200		46,900		70,100	130
135	58.0	212.0		22,600		42,400		64,700	135
140	56.6	208.7		19,000 *		38,400		59,800	140
145	55.1	205.2		15,200 *		34,300 *		55,200	145
150	53.6	201.6		11,800 *		30,200 *		50,900 *	150
155	52.1	197.7				26,300 *		46,300 *	155
160	50.6	193.6				22,600 *		42,000 *	160
165	49.0	189.3				19,200 *		37,900 *	165
170	47.4	184.7				16,000 *		34,200 *	170
175	45.7	179.8				13,000 *		30,600 *	175
180	44.0	174.7				10,200 *		26,900 *	180
185	42.3	169.2						23,300 *	185



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
 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. Hanging Counterweight
 360 Degree Rating

110 Ft. Luffing Jib 160 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	135,000 Lb. Hanging Counterweight		225,000 Lb. Hanging Counterweight		Boom 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	
260 Ft. BOOM							
40	83.0	267.7	111,000	271,700 *	199,500	271,700 *	40
42	82.5	267.4	100,300	268,200 *	183,800	268,200 *	42
44	82.1	267.1	90,600	264,700 *	169,700	264,700 *	44
46	81.7	266.8	81,900	261,100 *	157,000	261,100 *	46
48	81.2	266.5	74,000	257,600 *	145,600	257,600 *	48
50	80.8	266.2	66,900	249,600 *	135,100	254,100 *	50
55	79.6	265.2	51,500	222,300 *	112,700	245,500 *	55
60	78.5	264.2	38,900	199,400 *	94,400	229,200 *	60
65	77.4	263.1	28,500	178,800	79,200	207,500 *	65
70	76.3	261.9	19,600	158,200	66,400	188,800 *	70
75	75.1	260.5	12,100	140,900	55,400	172,500 *	75
80	74.0	259.1	5,500	126,100	45,900	158,200 *	80
85	72.8	257.5		113,300	37,600	145,600 *	85
90	71.7	255.9		102,200	30,200	134,300 *	90
95	70.5	254.1		92,300	23,700	124,100 *	95
100	69.3	252.2		83,600	17,900	114,700	100
105	68.1	250.2		75,800	12,700	105,200	105
110	66.9	248.1		68,800	8,000	96,700	110
115	65.7	245.8		62,400	3,700	89,000	115
120	64.5	243.4		56,700		82,000	120
125	63.3	240.9		51,400		75,700	125
130	62.0	238.2		46,600		69,800	130
135	60.7	235.4		42,200		64,500	135
140	59.5	232.5		38,100		59,500	140
145	58.2	229.4		34,200 *		54,900	145
150	56.9	226.1		30,000 *		50,600	150
155	55.5	222.7		26,100 *		46,100 *	155
160	54.2	219.1		22,400 *		41,800 *	160
165	52.8	215.3		19,000 *		37,800 *	165
170	51.4	211.3		15,800 *		34,000 *	170
175	49.9	207.1		12,700 *		30,400 *	175
180	48.5	202.7				27,000 *	180
185	47.0	198.0				23,800 *	185
190	45.4	193.1				20,800 *	190
195	43.8	187.9				18,000 *	195
200	42.2	182.5				15,200 *	200



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
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. Hanging Counterweight
360 Degree Rating

110 Ft. Luffing Jib 160 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	135,000 Lb. Hanging Counterweight		225,000 Lb. Hanging Counterweight		Boom 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	
280 Ft. BOOM							
44	82.7	287.3	92,100	231,300 *	171,700	231,300 *	44
46	82.3	287.1	83,300	228,200 *	158,900	228,200 *	46
48	81.8	286.8	75,300	225,100 *	147,300	225,100 *	48
50	81.4	286.4	68,100	222,000 *	136,700	222,000 *	50
55	80.4	285.6	52,500	214,400 *	114,100	214,400 *	55
60	79.4	284.6	39,800	199,000 *	95,600	206,900 *	60
65	78.3	283.6	29,200	178,900	80,200	199,400 *	65
70	77.3	282.5	20,200	158,300	67,200	188,400 *	70
75	76.2	281.2	12,600	141,000	56,100	172,100 *	75
80	75.1	279.9	6,000	126,100	46,500	157,800 *	80
85	74.1	278.5	200	113,300	38,100	145,100 *	85
90	73.0	276.9		102,100	30,700	133,900 *	90
95	71.9	275.3		92,300	24,100	123,700 *	95
100	70.9	273.6		83,500	18,300	114,600 *	100
105	69.8	271.7		75,700	13,000	105,100	105
110	68.7	269.7		68,700	8,200	96,600	110
115	67.6	267.7		62,300	3,900	88,900	115
120	66.4	265.5		56,500		81,900	120
125	65.3	263.2		51,300		75,500	125
130	64.2	260.8		46,400		69,700	130
135	63.0	258.2		42,000		64,300	135
140	61.9	255.5		37,900		59,300	140
145	60.7	252.7		34,100		54,700	145
150	59.5	249.8		30,000 *		50,500	150
155	58.3	246.7		26,100 *		46,200 *	155
160	57.1	243.5		22,400 *		41,800 *	160
165	55.8	240.1		18,900 *		37,800 *	165
170	54.6	236.5		15,700 *		33,900 *	170
175	53.3	232.8		12,600 *		30,300 *	175
180	52.0	228.9				26,900 *	180
185	50.7	224.8				23,700 *	185
190	49.4	220.6				20,700 *	190
195	48.0	216.1				17,800 *	195
200	46.6	211.3				15,100 *	200
205	45.1	206.4				12,500 *	205
210	43.7	201.2				10,100 *	210



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
 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. Hanging Counterweight
 360 Degree Rating

110 Ft. Luffing Jib 160 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	225,000 Lb. Hanging Counterweight	
			Minimum Boom Capacity To Swing and Travel Pounds	Boom Capacity Pounds
300 Ft. BOOM				
55	81.0	305.9	114,700	161,400 *
60	80.1	305.0	96,000	155,700 *
65	79.1	304.0	80,500	149,900 *
70	78.1	303.0	67,400	144,300 *
75	77.1	301.8	56,200	138,700 *
80	76.2	300.6	46,500	133,200 *
85	75.2	299.3	38,000	127,800 *
90	74.2	297.8	30,500	122,500 *
95	73.2	296.3	23,900	117,300 *
100	72.2	294.7	18,000	112,200 *
105	71.2	293.0	12,700	104,600
110	70.2	291.2	7,800	96,100
115	69.1	289.3	3,500	88,300
120	68.1	287.3		81,300
125	67.1	285.1		74,900
130	66.0	282.9		69,100
135	65.0	280.6		63,700
140	63.9	278.1		58,700
145	62.8	275.6		54,100
150	61.7	272.9		49,900
155	60.6	270.1		45,700 *
160	59.5	267.1		41,300 *
165	58.4	264.0		37,200 *
170	57.3	260.8		33,400 *
175	56.1	257.5		29,800 *
180	55.0	254.0		26,400 *
185	53.8	250.3		23,100 *
190	52.6	246.5		20,100 *
195	51.4	242.5		17,200 *
200	50.1	238.3		14,500 *
205	48.9	234.0		11,900 *



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
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. Hanging Counterweight
360 Degree Rating

120 Ft. Luffing Jib 168 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	0 Lb. Hanging Counterweight	55,000 Lb. Hanging Counterweight		135,000 Lb. Hanging Counterweight		225,000 Lb. Hanging Counterweight		Boom 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	
140 Ft. BOOM										
26	82.7	148.5	423,500 *	103,700	465,900 *	229,800	480,000 *			26
28	81.9	148.2	391,200 *	87,300	430,800 *	202,300	480,000 *	331,900	480,000 *	28
30	81.1	147.9	363,000 *	73,600	400,200 *	179,300	451,500 *	298,400	480,000 *	30
32	80.2	147.5	338,100 *	62,000	373,100 *	159,700	421,400 *	269,900	475,700 *	32
34	79.4	147.1	316,000 *	51,900	349,000 *	142,800	394,600 *	245,300	446,000 *	34
36	78.6	146.6	290,400	43,200	327,500 *	128,200	370,700 *	224,000	419,300 *	36
38	77.7	146.2	264,000	35,500	308,100 *	115,300	349,100 *	205,200	395,300 *	38
40	76.9	145.7	241,300	28,700	290,500 *	103,900	329,600 *	188,600	373,600 *	40
42	76.0	145.2	221,600	22,700	274,500 *	93,700	311,900 *	173,800	353,900 *	42
44	75.2	144.6	204,300	17,300	257,700	84,600	295,700 *	160,600	335,900 *	44
46	74.3	144.0	188,900	12,400	239,300	76,400	280,800 *	148,600	319,400 *	46
48	73.5	143.4	175,300	7,900	222,900	68,900	267,200 *	137,800	304,100 *	48
50	72.6	142.7	163,000	3,900	208,200	62,200	254,500 *	127,900	290,100 *	50
55	70.4	141.0	137,300		177,300	47,600	226,900 *	106,700	259,300 *	55
60	68.2	138.9	116,900		152,800	35,700	203,200	89,300	233,500 *	60
65	66.0	136.7	100,300		132,800	25,700	178,500	74,900	211,500 *	65
70	63.7	134.2	86,500		116,200	17,300	158,000	62,600	192,500 *	70
75	61.4	131.5	74,900		102,300	10,100	140,800	52,100	176,000 *	75
80	59.0	128.5	64,900		90,300	3,800	126,000	43,100	161,500 *	80
85	56.5	125.2	56,300		80,000		113,300	35,100	148,000 *	85
90	54.0	121.6	48,800		71,000		102,100	28,100	133,300 *	90
95	51.4	117.6	42,200		63,000		92,300	21,800	120,100 *	95
100	48.7	113.2	36,300		56,000		83,600	16,200	108,400 *	100
105	45.9	108.4	31,000		49,700		75,800	11,100	97,700 *	105
110	42.9	103.1	26,300		44,000		68,800	6,600	88,000 *	110
115	39.7	97.2	22,000		38,800		62,500	2,400	79,100 *	115
120	36.3	90.5	18,100		34,200		56,700		70,800 *	120



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
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. Hanging Counterweight
360 Degree Rating

120 Ft. Luffing Jib 168 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	0 Lb. Hanging Counterweight	55,000 Lb. Hanging Counterweight		135,000 Lb. Hanging Counterweight		225,000 Lb. Hanging Counterweight		Boom 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	
160 Ft. BOOM										
28	82.9	168.4	390,800 *	89,900	430,400 *	205,800	480,000 *	336,500	480,000 *	28
30	82.2	168.1	362,700 *	76,000	399,800 *	182,400	451,100 *	302,500	480,000 *	30
32	81.5	167.8	337,800 *	64,200	372,800 *	162,600	421,100 *	273,600	475,400 *	32
34	80.7	167.5	315,800 *	54,000	348,800 *	145,500	394,400 *	248,700	445,700 *	34
36	80.0	167.1	291,700	45,100	327,300 *	130,700	370,500 *	227,100	419,100 *	36
38	79.3	166.7	265,200	37,400	307,900 *	117,700	349,000 *	208,200	395,200 *	38
40	78.6	166.2	242,500	30,500	290,400 *	106,100	329,500 *	191,400	373,500 *	40
42	77.8	165.8	222,700	24,400	274,500 *	95,900	311,800 *	176,400	353,800 *	42
44	77.1	165.3	205,400	18,900	258,800	86,600	295,600 *	163,000	335,800 *	44
46	76.3	164.8	190,000	13,900	240,400	78,300	280,800 *	150,900	319,300 *	46
48	75.6	164.3	176,300	9,500	223,900	70,800	267,200 *	140,000	304,200 *	48
50	74.9	163.7	164,100	5,400	209,200	64,000	254,600 *	130,000	290,100 *	50
55	73.0	162.1	138,300		178,300	49,200	226,900 *	108,600	259,400 *	55
60	71.1	160.4	117,900		153,700	37,200	203,800 *	91,100	233,600 *	60
65	69.2	158.5	101,200		133,700	27,200	179,400	76,500	211,600 *	65
70	67.2	156.4	87,400		117,100	18,700	158,900	64,200	192,700 *	70
75	65.3	154.1	75,700		103,100	11,400	141,600	53,600	176,300 *	75
80	63.3	151.6	65,800		91,200	5,100	126,900	44,500	161,800 *	80
85	61.2	148.8	57,200		80,800		114,100	36,500	149,000 *	85
90	59.1	145.8	49,600		71,800		103,000	29,400	137,600 *	90
95	57.0	142.6	43,000		63,900		93,200	23,100	126,100	95
100	54.8	139.1	37,100		56,800		84,400	17,500	115,500	100
105	52.6	135.3	31,900		50,500		76,700	12,400	105,700 *	105
110	50.2	131.1	27,100		44,800		69,600	7,800	95,700 *	110
115	47.8	126.6	22,800		39,700		63,300	3,600	86,600 *	115
120	45.3	121.7	18,900		35,000		57,600		78,300 *	120
125	42.7	116.3	14,900 *		30,700		52,300		70,600 *	125
130	39.9	110.4	11,000 *		26,800		47,500		63,500 *	130
135	37.0	103.9			23,200		43,100		56,900 *	135
140	33.8	96.6			19,400 *		39,000		50,700 *	140



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
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. Hanging Counterweight
360 Degree Rating

120 Ft. Luffing Jib 168 Degree Boom to Luffing Jib Angle

Boom Oper. Feet	Boom Rad. Deg.	Boom Point Elev. Feet	0 Lb. Hanging Counterweight	55,000 Lb. Hanging Counterweight		135,000 Lb. Hanging Counterweight		225,000 Lb. Hanging Counterweight		Boom 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	
180 Ft. BOOM										
32	82.4	188.1	335,100 *	64,300	370,000 *	163,600	418,300 *	275,600	472,700 *	32
34	81.8	187.7	313,000 *	53,900	346,000 *	146,200	391,600 *	250,300	443,000 *	34
36	81.1	187.4	291,600	44,800	324,500 *	131,000	367,700 *	228,300	416,400 *	36
38	80.5	187.1	265,000	36,800	305,200 *	117,700	346,200 *	208,900	392,500 *	38
40	79.8	186.7	242,100	29,800	287,700 *	105,900	326,800 *	191,800	370,800 *	40
42	79.2	186.3	222,200	23,500	271,700 *	95,500	309,100 *	176,600	351,100 *	42
44	78.5	185.8	204,700	17,800	257,200 *	86,000	292,900 *	163,000	333,100 *	44
46	77.9	185.4	189,200	12,700	239,600	77,600	278,100 *	150,700	316,600 *	46
48	77.2	184.9	175,400	8,100	223,000	69,900	264,500 *	139,500	301,400 *	48
50	76.6	184.4	163,100	3,900	208,200	62,900	251,900 *	129,400	287,400 *	50
55	74.9	183.1	137,100		177,100	47,800	224,200 *	107,600	256,700 *	55
60	73.3	181.5	116,500		152,400	35,600	201,100 *	89,800	230,900 *	60
65	71.6	179.9	99,700		132,200	25,300	177,900	74,900	208,900 *	65
70	69.9	178.0	85,800		115,500	16,700	157,300	62,400	190,000 *	70
75	68.2	176.0	74,100		101,500	9,300	140,000	51,700	173,600 *	75
80	66.4	173.8	64,000		89,400	2,800	125,100	42,400	159,100 *	80
85	64.7	171.5	55,300		79,000		112,300	34,300	146,300 *	85
90	62.9	168.9	47,800		69,900		101,100	27,100	134,900 *	90
95	61.1	166.1	41,100		61,900		91,200	20,700	124,200	95
100	59.2	163.2	35,100		54,800		82,500	15,000	113,600	100
105	57.3	160.0	29,800		48,500		74,600	9,800	104,100	105
110	55.4	156.5	25,100		42,700		67,600	5,200	95,500	110
115	53.4	152.8	20,700		37,600		61,200	1,000	87,800	115
120	51.4	148.8	16,300 *		32,900		55,400		80,600 *	120
125	49.3	144.6	12,000 *		28,600		50,200		72,800 *	125
130	47.1	139.9			24,700		45,300		65,500 *	130
135	44.9	134.9			20,500 *		40,800 *		58,800 *	135
140	42.5	129.5			16,400 *		36,100 *		52,600 *	140
145	40.1	123.7			12,700 *		31,600 *		46,800 *	145
150	37.5	117.2					27,400 *		41,300 *	150
155	34.7	110.1					23,600 *		36,200 *	155



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
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. Hanging Counterweight
360 Degree Rating

120 Ft. Luffing Jib 168 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	0 Lb. Hanging Counterweight	55,000 Lb. Hanging Counterweight		135,000 Lb. Hanging Counterweight		225,000 Lb. Hanging Counterweight		Boom 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	
200 Ft. BOOM										
34	82.6	208.0	312,900 *	56,600	345,900 *	149,600	391,500 *	254,600	442,900 *	34
36	82.0	207.7	293,100 *	47,300	324,400 *	134,200	367,600 *	232,200	416,300 *	36
38	81.5	207.4	266,500	39,100	305,100 *	120,700	346,100 *	212,600	392,400 *	38
40	80.9	207.0	243,500	31,900	287,600 *	108,700	326,700 *	195,200	370,700 *	40
42	80.3	206.6	223,500	25,500	271,700 *	98,000	309,000 *	179,800	351,000 *	42
44	79.7	206.3	205,900	19,700	257,100 *	88,400	292,800 *	165,900	333,000 *	44
46	79.1	205.9	190,400	14,500	240,700	79,800	278,000 *	153,400	316,500 *	46
48	78.5	205.4	176,600	9,800	224,200	72,000	264,400 *	142,100	301,400 *	48
50	78.0	205.0	164,200	5,500	209,300	64,900	251,800 *	131,800	287,400 *	50
55	76.5	203.8	138,100		178,100	49,600	224,200 *	109,700	256,600 *	55
60	75.0	202.4	117,400		153,200	37,100	201,000 *	91,600	230,800 *	60
65	73.5	200.9	100,500		133,000	26,700	178,700	76,600	208,900 *	65
70	72.0	199.3	86,500		116,300	17,900	158,100	63,900	190,000 *	70
75	70.5	197.5	74,700		102,100	10,400	140,600	53,000	173,500 *	75
80	68.9	195.6	64,600		90,000	3,900	125,700	43,600	159,000 *	80
85	67.4	193.5	55,900		79,600		112,900	35,400	146,200 *	85
90	65.8	191.3	48,300		70,400		101,600	28,100	134,800 *	90
95	64.2	188.8	41,600		62,400		91,700	21,700	124,600 *	95
100	62.6	186.2	35,600		55,300		82,900	15,900	114,000	100
105	61.0	183.5	30,300		48,900		75,100	10,700	104,500	105
110	59.3	180.5	25,500		43,100		68,000	6,000	95,900	110
115	57.6	177.3	21,100		37,900		61,600	1,700	88,200	115
120	55.9	173.9	16,900 *		33,200		55,800		81,200	120
125	54.1	170.3	12,500 *		28,900		50,500		74,800	125
130	52.3	166.5			25,000		45,600		68,900	130
135	50.4	162.4			21,000 *		41,200		63,500 *	135
140	48.5	158.0			16,900 *		36,600 *		57,100 *	140
145	46.6	153.2			13,100 *		32,100 *		51,200 *	145
150	44.5	148.2					27,900 *		45,700 *	150
155	42.4	142.8					24,000 *		40,500 *	155
160	40.2	136.9					20,400 *		35,700 *	160
165	37.9	130.6					16,900 *		31,100 *	165
170	35.5	123.6					13,700 *		26,800 *	170



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
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. Hanging Counterweight
360 Degree Rating

120 Ft. Luffing Jib 168 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	0 Lb. Hanging Counterweight		55,000 Lb. Hanging Counterweight		135,000 Lb. Hanging Counterweight		225,000 Lb. Hanging Counterweight		Boom 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	
220 Ft. BOOM											
36	82.8	227.9	292,800 *	49,200	324,100 *	136,900	360,700 *	235,700	360,700 *	36	
38	82.2	227.6	267,600	41,000	304,800 *	123,100	345,900 *	215,800	360,700 *	38	
40	81.7	227.3	244,500	33,600	287,300 *	111,000	326,400 *	198,200	360,700 *	40	
42	81.2	227.0	224,400	27,100	271,400 *	100,200	308,800 *	182,600	350,800 *	42	
44	80.7	226.6	206,800	21,200	256,900 *	90,500	292,600 *	168,500	332,800 *	44	
46	80.1	226.2	191,200	15,900	241,500	81,700	277,800 *	155,800	316,300 *	46	
48	79.6	225.9	177,300	11,200	224,900	73,800	264,200 *	144,400	301,200 *	48	
50	79.1	225.5	164,900	6,800	210,000	66,600	251,600 *	134,000	287,200 *	50	
55	77.7	224.4	138,700		178,700	51,100	224,000 *	111,600	256,500 *	55	
60	76.4	223.1	118,000		153,800	38,400	200,900 *	93,300	230,700 *	60	
65	75.0	221.8	101,100		133,600	27,900	179,300	78,100	208,800 *	65	
70	73.7	220.3	87,000		116,800	19,000	158,600	65,300	189,900 *	70	
75	72.3	218.7	75,200		102,600	11,400	141,100	54,300	173,400 *	75	
80	70.9	217.0	65,100		90,500	4,800	126,200	44,700	159,000 *	80	
85	69.5	215.1	56,300		80,000		113,300	36,400	146,200 *	85	
90	68.1	213.1	48,700		70,800		102,000	29,100	134,700 *	90	
95	66.7	211.0	41,900		62,800		92,100	22,500	124,500 *	95	
100	65.3	208.6	35,900		55,600		83,300	16,700	114,400	100	
105	63.8	206.2	30,600		49,200		75,400	11,500	104,800	105	
110	62.4	203.6	25,800		43,500		68,300	6,700	96,300	110	
115	60.9	200.8	21,400		38,300		61,900	2,400	88,500	115	
120	59.4	197.8	17,400 *		33,500		56,100		81,500	120	
125	57.8	194.7	13,000 *		29,200		50,800		75,100	125	
130	56.3	191.3			25,300		45,900		69,200	130	
135	54.7	187.8			21,500 *		41,400		63,700	135	
140	53.0	184.0			17,400 *		37,100 *		58,800	140	
145	51.4	180.1			13,600 *		32,600 *		54,000 *	145	
150	49.7	175.8			10,100 *		28,400 *		49,100 *	150	
155	47.9	171.3					24,500 *		44,200 *	155	
160	46.1	166.5					20,800 *		39,300 *	160	
165	44.3	161.4					17,400 *		34,700 *	165	
170	42.3	156.0					14,200 *		30,400 *	170	
175	40.3	150.2					11,100 *		26,300 *	175	
180	38.2	143.9							22,400 *	180	
185	36.0	137.1							18,700 *	185	
190	33.7	129.7							15,100 *	190	



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
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. Hanging Counterweight
360 Degree Rating

120 Ft. Luffing Jib 168 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	55,000 Lb. Hanging Counterweight		135,000 Lb. Hanging Counterweight		225,000 Lb. Hanging Counterweight		Boom 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	
240 Ft. BOOM									
38	82.9	247.8	42,600	304,500 *	125,400	337,400 *	218,700	337,400 *	38
40	82.4	247.5	35,100	287,100 *	113,100	326,200 *	200,900	337,400 *	40
42	81.9	247.2	28,500	271,200 *	102,100	308,500 *	185,100	337,400 *	42
44	81.4	246.9	22,600	256,700 *	92,300	292,400 *	170,900	332,600 *	44
46	81.0	246.6	17,200	242,100	83,400	277,600 *	158,100	316,100 *	46
48	80.5	246.2	12,400	225,500	75,400	264,000 *	146,500	301,000 *	48
50	80.0	245.8	7,900	210,500	68,100	251,400 *	135,900	287,000 *	50
55	78.8	244.8		179,200	52,400	223,800 *	113,300	256,300 *	55
60	77.5	243.7		154,200	39,600	200,700 *	94,800	230,500 *	60
65	76.3	242.5		133,900	29,000	179,600	79,400	208,600 *	65
70	75.1	241.2		117,100	20,000	158,900	66,500	189,700 *	70
75	73.8	239.7		102,900	12,300	141,400	55,300	173,300 *	75
80	72.6	238.1		90,800	5,600	126,500	45,700	158,800 *	80
85	71.3	236.4		80,300		113,500	37,300	146,000 *	85
90	70.1	234.6		71,100		102,300	29,900	134,600 *	90
95	68.8	232.7		63,000		92,300	23,300	124,400 *	95
100	67.5	230.6		55,800		83,500	17,400	114,600	100
105	66.2	228.4		49,400		75,600	12,100	105,100	105
110	64.9	226.0		43,700		68,500	7,300	96,500	110
115	63.5	223.5		38,500		62,100	3,000	88,700	115
120	62.2	220.9		33,700		56,300		81,700	120
125	60.8	218.1		29,400		51,000		75,200	125
130	59.4	215.1		25,400		46,100		69,300	130
135	58.0	212.0		21,800		41,600		63,900	135
140	56.6	208.7		17,800 *		37,500		58,900	140
145	55.1	205.2		14,000 *		33,100 *		54,300	145
150	53.6	201.6		10,400 *		28,800 *		49,500 *	150
155	52.1	197.7				24,900 *		44,900 *	155
160	50.6	193.6				21,200 *		40,500 *	160
165	49.0	189.3				17,700 *		36,500 *	165
170	47.4	184.7				14,500 *		32,600 *	170
175	45.7	179.8				11,400 *		29,000 *	175
180	44.0	174.7						25,300 *	180
185	42.3	169.2						21,600 *	185
190	40.4	163.4						18,100 *	190
195	38.5	157.2						14,700 *	195
200	36.5	150.5						11,500 *	200



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
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. Hanging Counterweight
360 Degree Rating

120 Ft. Luffing Jib 168 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	135,000 Lb. Hanging Counterweight		225,000 Lb. Hanging Counterweight		Boom 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	
260 Ft. BOOM							
40	83.0	267.7	114,500	277,600 *	203,000	277,600 *	40
42	82.5	267.4	103,500	273,800 *	187,000	273,800 *	42
44	82.1	267.1	93,500	270,100 *	172,600	270,100 *	44
46	81.7	266.8	84,500	266,400 *	159,700	266,400 *	46
48	81.2	266.5	76,400	262,700 *	148,000	262,700 *	48
50	80.8	266.2	69,000	250,700 *	137,300	259,100 *	50
55	79.6	265.2	53,200	223,200 *	114,400	250,000 *	55
60	78.5	264.2	40,200	200,100 *	95,700	229,900 *	60
65	77.4	263.1	29,500	179,600	80,200	208,000 *	65
70	76.3	261.9	20,400	158,800	67,100	189,100 *	70
75	75.1	260.5	12,600	141,300	55,900	172,700 *	75
80	74.0	259.1	5,900	126,400	46,200	158,300 *	80
85	72.8	257.5		113,400	37,700	145,500 *	85
90	71.7	255.9		102,100	30,200	134,100 *	90
95	70.5	254.1		92,200	23,600	123,900 *	95
100	69.3	252.2		83,300	17,600	114,400	100
105	68.1	250.2		75,400	12,300	104,900	105
110	66.9	248.1		68,300	7,500	96,300	110
115	65.7	245.8		61,900	3,100	88,500	115
120	64.5	243.4		56,100		81,500	120
125	63.3	240.9		50,800		75,000	125
130	62.0	238.2		45,900		69,100	130
135	60.7	235.4		41,400		63,700	135
140	59.5	232.5		37,300		58,700	140
145	58.2	229.4		33,000 *		54,100	145
150	56.9	226.1		28,800 *		49,600 *	150
155	55.5	222.7		24,800 *		44,900 *	155
160	54.2	219.1		21,100 *		40,500 *	160
165	52.8	215.3		17,600 *		36,400 *	165
170	51.4	211.3		14,400 *		32,600 *	170
175	49.9	207.1		11,300 *		28,900 *	175
180	48.5	202.7				25,500 *	180
185	47.0	198.0				22,300 *	185
190	45.4	193.1				19,200 *	190
195	43.8	187.9				16,300 *	195
200	42.2	182.5				13,600 *	200
205	40.5	176.6				10,500 *	205



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
 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. Hanging Counterweight
 360 Degree Rating

120 Ft. Luffing Jib 168 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	135,000 Lb. Hanging Counterweight		225,000 Lb. Hanging Counterweight		Boom 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	
280 Ft. BOOM							
44	82.7	287.3	95,100	237,500 *	174,700	237,500 *	44
46	82.3	287.1	86,000	234,300 *	161,600	234,300 *	46
48	81.8	286.8	77,800	231,000 *	149,800	231,000 *	48
50	81.4	286.4	70,300	227,800 *	139,000	227,800 *	50
55	80.4	285.6	54,300	219,700 *	115,900	219,700 *	55
60	79.4	284.6	41,200	199,700 *	97,000	211,800 *	60
65	78.3	283.6	30,300	179,800	81,300	204,100 *	65
70	77.3	282.5	21,100	159,000	68,000	188,800 *	70
75	76.2	281.2	13,200	141,500	56,700	172,300 *	75
80	75.1	279.9	6,400	126,500	46,900	157,900 *	80
85	74.1	278.5	400	113,500	38,300	145,100 *	85
90	73.0	276.9		102,200	30,800	133,800 *	90
95	71.9	275.3		92,200	24,100	123,500 *	95
100	70.9	273.6		83,300	18,100	114,300 *	100
105	69.8	271.7		75,400	12,700	104,900	105
110	68.7	269.7		68,300	7,800	96,300	110
115	67.6	267.7		61,900	3,400	88,500	115
120	66.4	265.5		56,000		81,400	120
125	65.3	263.2		50,700		75,000	125
130	64.2	260.8		45,800		69,100	130
135	63.0	258.2		41,300		63,600	135
140	61.9	255.5		37,200		58,600	140
145	60.7	252.7		33,200 *		54,000	145
150	59.5	249.8		28,900 *		49,700	150
155	58.3	246.7		24,900 *		45,000 *	155
160	57.1	243.5		21,200 *		40,600 *	160
165	55.8	240.1		17,700 *		36,500 *	165
170	54.6	236.5		14,400 *		32,700 *	170
175	53.3	232.8		11,300 *		29,000 *	175
180	52.0	228.9				25,600 *	180
185	50.7	224.8				22,300 *	185
190	49.4	220.6				19,300 *	190
195	48.0	216.1				16,300 *	195
200	46.6	211.3				13,600 *	200
205	45.1	206.4				11,000 *	205



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
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. Hanging Counterweight
360 Degree Rating

120 Ft. Luffing Jib 168 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	225,000 Lb. Hanging Counterweight	
			Minimum Boom Capacity To Swing and Travel Pounds	Boom Capacity Pounds
300 Ft. BOOM				
55	81.0	305.9	116,500	166,500 *
60	80.1	305.0	97,500	160,500 *
65	79.1	304.0	81,600	154,500 *
70	78.1	303.0	68,300	148,500 *
75	77.1	301.8	56,800	142,700 *
80	76.2	300.6	46,900	137,000 *
85	75.2	299.3	38,300	131,400 *
90	74.2	297.8	30,700	125,800 *
95	73.2	296.3	23,900	120,400 *
100	72.2	294.7	17,900	113,500 *
105	71.2	293.0	12,400	104,400
110	70.2	291.2	7,500	95,800
115	69.1	289.3	3,000	88,000
120	68.1	287.3		80,900
125	67.1	285.1		74,500
130	66.0	282.9		68,500
135	65.0	280.6		63,100
140	63.9	278.1		58,100
145	62.8	275.6		53,400
150	61.7	272.9		49,100
155	60.6	270.1		44,600 *
160	59.5	267.1		40,200 *
165	58.4	264.0		36,100 *
170	57.3	260.8		32,200 *
175	56.1	257.5		28,500 *
180	55.0	254.0		25,100 *
185	53.8	250.3		21,800 *
190	52.6	246.5		18,700 *
195	51.4	242.5		15,800 *
200	50.1	238.3		13,100 *
205	48.9	234.0		10,400 *



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
 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. Hanging Counterweight
 360 Degree Rating

130 Ft. Luffing Jib 168 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	0 Lb. Hanging Counterweight	55,000 Lb. Hanging Counterweight		135,000 Lb. Hanging Counterweight		225,000 Lb. Hanging Counterweight		Boom 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	
140 Ft. BOOM										
26	82.7	148.5	421,300 *	100,000	463,700 *	226,100	480,000 *			26
28	81.9	148.2	389,100 *	83,800	428,700 *	198,800	480,000 *	328,400	480,000 *	28
30	81.1	147.9	361,000 *	70,300	398,100 *	175,900	449,400 *	295,000	480,000 *	30
32	80.2	147.5	336,100 *	58,700	371,100 *	156,400	419,400 *	266,600	473,700 *	32
34	79.4	147.1	314,000 *	48,800	347,000 *	139,700	392,700 *	242,200	444,000 *	34
36	78.6	146.6	287,600	40,100	325,500 *	125,100	368,700 *	220,900	417,400 *	36
38	77.7	146.2	261,300	32,600	306,200 *	112,300	347,200 *	202,200	393,400 *	38
40	76.9	145.7	238,700	25,800	288,600 *	101,000	327,700 *	185,700	371,800 *	40
42	76.0	145.2	219,100	19,800	272,700 *	90,900	310,000 *	171,000	352,000 *	42
44	75.2	144.6	201,800	14,500	255,200	81,800	293,900 *	157,800	334,000 *	44
46	74.3	144.0	186,600	9,600	236,900	73,700	279,000 *	145,800	317,500 *	46
48	73.5	143.4	173,000	5,200	220,500	66,300	265,400 *	135,100	302,400 *	48
50	72.6	142.7	160,800	1,200	205,900	59,500	252,800 *	125,200	288,300 *	50
55	70.4	141.0	135,200		175,100	45,000	225,100 *	104,100	257,600 *	55
60	68.2	138.9	114,900		150,700	33,200	201,100	86,800	231,800 *	60
65	66.0	136.7	98,300		130,800	23,300	176,500	72,400	209,800 *	65
70	63.7	134.2	84,600		114,300	14,900	156,100	60,300	190,900 *	70
75	61.4	131.5	73,000		100,400	7,800	138,900	49,800	174,400 *	75
80	59.0	128.5	63,100		88,500	1,500	124,200	40,800	160,000 *	80
85	56.5	125.2	54,500		78,200		111,500	32,900	145,700 *	85
90	54.0	121.6	47,100		69,200		100,400	25,900	131,000 *	90
95	51.4	117.6	40,500		61,300		90,600	19,600	118,000 *	95
100	48.7	113.2	34,600		54,300		81,900	14,100	106,200 *	100
105	45.9	108.4	29,400		48,000		74,200	9,000	95,600 *	105
110	42.9	103.1	24,700		42,400		67,200	4,500	85,900 *	110
115	39.7	97.2	20,400		37,200		60,900	300	77,000 *	115
120	36.3	90.5	16,100 *		32,600		55,200		68,800 *	120



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
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. Hanging Counterweight
360 Degree Rating

130 Ft. Luffing Jib 168 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	0 Lb. Hanging Counterweight	55,000 Lb. Hanging Counterweight		135,000 Lb. Hanging Counterweight		225,000 Lb. Hanging Counterweight		Boom 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	
160 Ft. BOOM										
28	82.9	168.4	388,800 *	86,500	428,400 *	202,400	480,000 *	333,100	480,000 *	28
30	82.2	168.1	360,700 *	72,700	397,800 *	179,200	449,100 *	299,300	480,000 *	30
32	81.5	167.8	335,900 *	61,000	370,900 *	159,500	419,200 *	270,500	473,500 *	32
34	80.7	167.5	313,900 *	51,000	346,900 *	142,500	392,500 *	245,700	443,800 *	34
36	80.0	167.1	289,000	42,200	325,400 *	127,800	368,600 *	224,200	417,300 *	36
38	79.3	166.7	262,700	34,500	306,100 *	114,800	347,200 *	205,300	393,400 *	38
40	78.6	166.2	240,000	27,700	288,600 *	103,400	327,700 *	188,600	371,700 *	40
42	77.8	165.8	220,300	21,700	272,700 *	93,200	310,000 *	173,700	352,100 *	42
44	77.1	165.3	203,100	16,300	256,500	84,000	293,900 *	160,400	334,100 *	44
46	76.3	164.8	187,800	11,400	238,100	75,800	279,100 *	148,400	317,600 *	46
48	75.6	164.3	174,100	6,900	221,700	68,300	265,500 *	137,500	302,500 *	48
50	74.9	163.7	161,900	2,900	207,100	61,500	252,900 *	127,500	288,500 *	50
55	73.0	162.1	136,300		176,300	46,800	225,300 *	106,200	257,800 *	55
60	71.1	160.4	115,900		151,800	34,900	202,200	88,800	232,000 *	60
65	69.2	158.5	99,300		131,900	24,900	177,500	74,300	210,100 *	65
70	67.2	156.4	85,600		115,300	16,500	157,100	62,000	191,200 *	70
75	65.3	154.1	74,000		101,400	9,200	139,900	51,500	174,800 *	75
80	63.3	151.6	64,100		89,500	3,000	125,200	42,400	160,300 *	80
85	61.2	148.8	55,500		79,200		112,500	34,400	147,500 *	85
90	59.1	145.8	48,000		70,200		101,300	27,400	136,100 *	90
95	57.0	142.6	41,400		62,300		91,600	21,100	124,500	95
100	54.8	139.1	35,500		55,200		82,900	15,500	114,000	100
105	52.6	135.3	30,300		48,900		75,100	10,400	103,700 *	105
110	50.2	131.1	25,600		43,300		68,100	5,900	93,700 *	110
115	47.8	126.6	21,300		38,200		61,800	1,700	84,700 *	115
120	45.3	121.7	17,300 *		33,500		56,100		76,400 *	120
125	42.7	116.3	13,000 *		29,300		50,800		68,700 *	125
130	39.9	110.4			25,400		46,100		61,700 *	130
135	37.0	103.9			21,600 *		41,600		55,100 *	135
140	33.8	96.6			17,600 *		37,200 *		48,900 *	140



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
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. Hanging Counterweight
360 Degree Rating

130 Ft. Luffing Jib 168 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	0 Lb. Hanging Counterweight	55,000 Lb. Hanging Counterweight		135,000 Lb. Hanging Counterweight		225,000 Lb. Hanging Counterweight		Boom 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	
180 Ft. BOOM										
32	82.4	188.1	333,200 *	61,400	368,200 *	160,700	416,500 *	272,600	470,800 *	32
34	81.8	187.7	311,200 *	51,000	344,200 *	143,300	389,800 *	247,400	441,100 *	34
36	81.1	187.4	289,000	42,000	322,700 *	128,200	366,000 *	225,500	414,600 *	36
38	80.5	187.1	262,500	34,100	303,400 *	115,000	344,500 *	206,200	390,700 *	38
40	79.8	186.7	239,700	27,100	285,900 *	103,300	325,100 *	189,200	369,100 *	40
42	79.2	186.3	219,900	20,900	270,000 *	92,900	307,400 *	174,000	349,400 *	42
44	78.5	185.8	202,500	15,300	255,500 *	83,500	291,300 *	160,500	331,400 *	44
46	77.9	185.4	187,100	10,300	237,400	75,100	276,500 *	148,200	315,000 *	46
48	77.2	184.9	173,300	5,700	220,900	67,500	262,800 *	137,100	299,800 *	48
50	76.6	184.4	161,000	1,500	206,200	60,500	250,300 *	127,000	285,800 *	50
55	74.9	183.1	135,200		175,200	45,600	222,700 *	105,300	255,100 *	55
60	73.3	181.5	114,700		150,500	33,400	199,600 *	87,500	229,400 *	60
65	71.6	179.9	98,000		130,500	23,200	176,200	72,800	207,500 *	65
70	69.9	178.0	84,100		113,800	14,600	155,600	60,300	188,600 *	70
75	68.2	176.0	72,400		99,800	7,200	138,300	49,600	172,100 *	75
80	66.4	173.8	62,400		87,800	800	123,500	40,400	157,700 *	80
85	64.7	171.5	53,800		77,400		110,700	32,300	144,900 *	85
90	62.9	168.9	46,200		68,400		99,600	25,100	133,500 *	90
95	61.1	166.1	39,600		60,400		89,700	18,800	122,700	95
100	59.2	163.2	33,700		53,300		81,000	13,100	112,100	100
105	57.3	160.0	28,400		47,000		73,200	8,000	102,600	105
110	55.4	156.5	23,600		41,300		66,200	3,400	94,100	110
115	53.4	152.8	19,200 *		36,200		59,800		86,400	115
120	51.4	148.8	14,500 *		31,500		54,000		78,800 *	120
125	49.3	144.6	10,200 *		27,200		48,800		71,000 *	125
130	47.1	139.9			23,000 *		44,000		63,800 *	130
135	44.9	134.9			18,700 *		39,100 *		57,100 *	135
140	42.5	129.5			14,700 *		34,300 *		50,900 *	140
145	40.1	123.7			11,000 *		29,900 *		45,100 *	145
150	37.5	117.2					25,800 *		39,600 *	150
155	34.7	110.1					21,900 *		34,500 *	155



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
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. Hanging Counterweight
360 Degree Rating

130 Ft. Luffing Jib 168 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	0 Lb. Hanging Counterweight	55,000 Lb. Hanging Counterweight		135,000 Lb. Hanging Counterweight		225,000 Lb. Hanging Counterweight		Boom 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	
200 Ft. BOOM										
34	82.6	208.0	311,100 *	53,800	344,100 *	146,900	389,800 *	251,800	441,100 *	34
36	82.0	207.7	290,800	44,600	322,700 *	131,500	365,900 *	229,500	414,600 *	36
38	81.5	207.4	264,100	36,500	303,400 *	118,100	344,500 *	210,000	390,700 *	38
40	80.9	207.0	241,200	29,400	285,900 *	106,100	325,000 *	192,700	369,000 *	40
42	80.3	206.6	221,300	23,000	270,000 *	95,500	307,400 *	177,300	349,400 *	42
44	79.7	206.3	203,800	17,300	255,500 *	86,000	291,200 *	163,500	331,400 *	44
46	79.1	205.9	188,300	12,200	238,700	77,400	276,500 *	151,100	315,000 *	46
48	78.5	205.4	174,600	7,500	222,100	69,700	262,800 *	139,800	299,800 *	48
50	78.0	205.0	162,200	3,200	207,300	62,600	250,300 *	129,500	285,800 *	50
55	76.5	203.8	136,200		176,200	47,400	222,700 *	107,500	255,100 *	55
60	75.0	202.4	115,600		151,500	35,000	199,600 *	89,500	229,400 *	60
65	73.5	200.9	98,800		131,300	24,700	177,000	74,600	207,500 *	65
70	72.0	199.3	84,900		114,600	15,900	156,400	61,900	188,600 *	70
75	70.5	197.5	73,100		100,500	8,500	139,100	51,100	172,200 *	75
80	68.9	195.6	63,100		88,500	2,000	124,200	41,700	157,700 *	80
85	67.4	193.5	54,400		78,100		111,400	33,500	144,900 *	85
90	65.8	191.3	46,800		69,000		100,200	26,300	133,500 *	90
95	64.2	188.8	40,100		61,000		90,300	19,800	123,200	95
100	62.6	186.2	34,200		53,900		81,500	14,100	112,600	100
105	61.0	183.5	28,900		47,500		73,700	8,900	103,100	105
110	59.3	180.5	24,100		41,800		66,600	4,200	94,600	110
115	57.6	177.3	19,800		36,600		60,300		86,900	115
120	55.9	173.9	15,100 *		31,900		54,500		79,900	120
125	54.1	170.3	10,800 *		27,600		49,200		73,500	125
130	52.3	166.5			23,700 *		44,300		67,600	130
135	50.4	162.4			19,300 *		39,800 *		61,800 *	135
140	48.5	158.0			15,300 *		34,900 *		55,500 *	140
145	46.6	153.2			11,500 *		30,500 *		49,600 *	145
150	44.5	148.2					26,300 *		44,100 *	150
155	42.4	142.8					22,400 *		38,900 *	155
160	40.2	136.9					18,800 *		34,100 *	160
165	37.9	130.6					15,400 *		29,500 *	165
170	35.5	123.6					12,100 *		25,200 *	170



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
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. Hanging Counterweight
360 Degree Rating

130 Ft. Luffing Jib 168 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	0 Lb. Hanging Counterweight	55,000 Lb. Hanging Counterweight		135,000 Lb. Hanging Counterweight		225,000 Lb. Hanging Counterweight		Boom 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	
220 Ft. BOOM										
36	82.8	227.9	291,200 *	46,600	322,400 *	134,300	359,000 *	233,100	359,000 *	36
38	82.2	227.6	265,200	38,400	303,200 *	120,600	344,200 *	213,300	359,000 *	38
40	81.7	227.3	242,300	31,200	285,700 *	108,500	324,800 *	195,800	359,000 *	40
42	81.2	227.0	222,300	24,700	269,800 *	97,800	307,200 *	180,200	349,200 *	42
44	80.7	226.6	204,700	18,900	255,300 *	88,100	291,100 *	166,200	331,200 *	44
46	80.1	226.2	189,200	13,700	239,500	79,400	276,300 *	153,600	314,800 *	46
48	79.6	225.9	175,400	8,900	223,000	71,500	262,700 *	142,200	299,700 *	48
50	79.1	225.5	163,000	4,600	208,100	64,400	250,100 *	131,800	285,700 *	50
55	77.7	224.4	137,000		176,900	49,000	222,600 *	109,500	255,000 *	55
60	76.4	223.1	116,300		152,100	36,400	199,500 *	91,300	229,300 *	60
65	75.0	221.8	99,400		131,900	26,000	177,600	76,100	207,400 *	65
70	73.7	220.3	85,500		115,200	17,100	157,000	63,300	188,500 *	70
75	72.3	218.7	73,700		101,100	9,500	139,600	52,400	172,100 *	75
80	70.9	217.0	63,600		89,000	3,000	124,700	42,900	157,700 *	80
85	69.5	215.1	54,900		78,600		111,800	34,600	144,900 *	85
90	68.1	213.1	47,300		69,400		100,600	27,300	133,500 *	90
95	66.7	211.0	40,600		61,400		90,700	20,800	123,300 *	95
100	65.3	208.6	34,600		54,300		81,900	15,000	113,000	100
105	63.8	206.2	29,300		47,900		74,100	9,800	103,500	105
110	62.4	203.6	24,500		42,200		67,000	5,000	95,000	110
115	60.9	200.8	20,200		37,000		60,600	700	87,200	115
120	59.4	197.8	15,800 *		32,300		54,800		80,200	120
125	57.8	194.7	11,400 *		28,000		49,500		73,800	125
130	56.3	191.3			24,000		44,700		67,900	130
135	54.7	187.8			19,900 *		40,200		62,500	135
140	53.0	184.0			15,800 *		35,600 *		57,500	140
145	51.4	180.1			12,100 *		31,100 *		52,500 *	145
150	49.7	175.8					26,900 *		47,500 *	150
155	47.9	171.3					23,000 *		42,700 *	155
160	46.1	166.5					19,300 *		37,800 *	160
165	44.3	161.4					15,900 *		33,200 *	165
170	42.3	156.0					12,700 *		28,900 *	170
175	40.3	150.2							24,800 *	175
180	38.2	143.9							20,900 *	180
185	36.0	137.1							17,200 *	185
190	33.7	129.7							13,700 *	190



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
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. Hanging Counterweight
360 Degree Rating

130 Ft. Luffing Jib 168 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	55,000 Lb. Hanging Counterweight		135,000 Lb. Hanging Counterweight		225,000 Lb. Hanging Counterweight		Boom 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	
240 Ft. BOOM									
38	82.9	247.8	40,100	302,900 *	122,900	335,200 *	216,200	335,200 *	38
40	82.4	247.5	32,800	285,500 *	110,700	324,600 *	198,500	335,200 *	40
42	81.9	247.2	26,200	269,600 *	99,800	307,000 *	182,700	335,200 *	42
44	81.4	246.9	20,300	255,100 *	90,000	290,900 *	168,600	331,100 *	44
46	81.0	246.6	15,000	240,200	81,200	276,100 *	155,900	314,600 *	46
48	80.5	246.2	10,200	223,600	73,200	262,500 *	144,300	299,500 *	48
50	80.0	245.8	5,800	208,700	66,000	250,000 *	133,800	285,500 *	50
55	78.8	244.8		177,400	50,400	222,400 *	111,300	254,900 *	55
60	77.5	243.7		152,600	37,700	199,300 *	92,800	229,200 *	60
65	76.3	242.5		132,400	27,100	178,100	77,500	207,300 *	65
70	75.1	241.2		115,600	18,100	157,400	64,600	188,400 *	70
75	73.8	239.7		101,400	10,500	140,000	53,500	172,000 *	75
80	72.6	238.1		89,300	3,800	125,100	44,000	157,600 *	80
85	71.3	236.4		78,900		112,200	35,600	144,800 *	85
90	70.1	234.6		69,700		100,900	28,200	133,400 *	90
95	68.8	232.7		61,700		91,000	21,700	123,200 *	95
100	67.5	230.6		54,600		82,200	15,800	113,300	100
105	66.2	228.4		48,200		74,300	10,500	103,800	105
110	64.9	226.0		42,400		67,300	5,700	95,200	110
115	63.5	223.5		37,200		60,900	1,400	87,500	115
120	62.2	220.9		32,500		55,100		80,400	120
125	60.8	218.1		28,200		49,800		74,000	125
130	59.4	215.1		24,200		44,900		68,100	130
135	58.0	212.0		20,400 *		40,400		62,700	135
140	56.6	208.7		16,300 *		36,100 *		57,700	140
145	55.1	205.2		12,500 *		31,600 *		53,000 *	145
150	53.6	201.6				27,400 *		48,100 *	150
155	52.1	197.7				23,400 *		43,400 *	155
160	50.6	193.6				19,700 *		39,100 *	160
165	49.0	189.3				16,300 *		35,000 *	165
170	47.4	184.7				13,100 *		31,200 *	170
175	45.7	179.8				10,000 *		27,600 *	175
180	44.0	174.7						23,900 *	180
185	42.3	169.2						20,200 *	185
190	40.4	163.4						16,700 *	190
195	38.5	157.2						13,300 *	195
200	36.5	150.5						10,200 *	200



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
 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. Hanging Counterweight
 360 Degree Rating

130 Ft. Luffing Jib 168 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	135,000 Lb. Hanging Counterweight		225,000 Lb. Hanging Counterweight		Boom 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	
260 Ft. BOOM							
40	83.0	267.7	112,200	276,200 *	200,700	276,200 *	40
42	82.5	267.4	101,200	272,500 *	184,700	272,500 *	42
44	82.1	267.1	91,300	268,800 *	170,400	268,800 *	44
46	81.7	266.8	82,400	265,100 *	157,500	265,100 *	46
48	81.2	266.5	74,300	261,400 *	145,900	261,400 *	48
50	80.8	266.2	67,000	249,300 *	135,200	257,800 *	50
55	79.6	265.2	51,200	221,800 *	112,400	248,800 *	55
60	78.5	264.2	38,300	198,800 *	93,800	228,600 *	60
65	77.4	263.1	27,600	178,100	78,400	206,700 *	65
70	76.3	261.9	18,600	157,400	65,300	187,900 *	70
75	75.1	260.5	10,900	139,900	54,100	171,500 *	75
80	74.0	259.1	4,200	125,000	44,500	157,100 *	80
85	72.8	257.5		112,100	36,000	144,300 *	85
90	71.7	255.9		100,800	28,600	132,900 *	90
95	70.5	254.1		90,900	22,000	122,700 *	95
100	69.3	252.2		82,100	16,100	113,200	100
105	68.1	250.2		74,200	10,700	103,700	105
110	66.9	248.1		67,100	5,900	95,100	110
115	65.7	245.8		60,700	1,500	87,300	115
120	64.5	243.4		54,900		80,300	120
125	63.3	240.9		49,600		73,900	125
130	62.0	238.2		44,800		68,000	130
135	60.7	235.4		40,300		62,600	135
140	59.5	232.5		36,100 *		57,600	140
145	58.2	229.4		31,600 *		53,000	145
150	56.9	226.1		27,400 *		48,100 *	150
155	55.5	222.7		23,400 *		43,500 *	155
160	54.2	219.1		19,700 *		39,100 *	160
165	52.8	215.3		16,200 *		35,000 *	165
170	51.4	211.3		13,000 *		31,200 *	170
175	49.9	207.1				27,600 *	175
180	48.5	202.7				24,200 *	180
185	47.0	198.0				20,900 *	185
190	45.4	193.1				17,900 *	190
195	43.8	187.9				15,000 *	195
200	42.2	182.5				12,200 *	200



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
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. Hanging Counterweight
360 Degree Rating

130 Ft. Luffing Jib 168 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	135,000 Lb. Hanging Counterweight		225,000 Lb. Hanging Counterweight		Boom 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	
280 Ft. BOOM							
44	82.7	287.3	92,900	236,100 *	172,600	236,100 *	44
46	82.3	287.1	83,900	232,800 *	159,500	232,800 *	46
48	81.8	286.8	75,800	229,600 *	147,700	229,600 *	48
50	81.4	286.4	68,300	226,300 *	137,000	226,300 *	50
55	80.4	285.6	52,400	218,300 *	113,900	218,300 *	55
60	79.4	284.6	39,300	198,400 *	95,100	210,400 *	60
65	78.3	283.6	28,500	178,300	79,500	202,700 *	65
70	77.3	282.5	19,300	157,600	66,300	187,600 *	70
75	76.2	281.2	11,500	140,100	55,000	171,200 *	75
80	75.1	279.9	4,700	125,100	45,300	156,800 *	80
85	74.1	278.5		112,200	36,700	144,000 *	85
90	73.0	276.9		100,900	29,200	132,600 *	90
95	71.9	275.3		91,000	22,500	122,400 *	95
100	70.9	273.6		82,100	16,500	113,200 *	100
105	69.8	271.7		74,200	11,200	103,700	105
110	68.7	269.7		67,200	6,300	95,100	110
115	67.6	267.7		60,700	1,900	87,300	115
120	66.4	265.5		54,900		80,300	120
125	65.3	263.2		49,600		73,900	125
130	64.2	260.8		44,700		68,000	130
135	63.0	258.2		40,200		62,500	135
140	61.9	255.5		36,100		57,500	140
145	60.7	252.7		31,800 *		52,900	145
150	59.5	249.8		27,500 *		48,400 *	150
155	58.3	246.7		23,500 *		43,700 *	155
160	57.1	243.5		19,800 *		39,300 *	160
165	55.8	240.1		16,300 *		35,200 *	165
170	54.6	236.5		13,100 *		31,300 *	170
175	53.3	232.8		10,000 *		27,700 *	175
180	52.0	228.9				24,300 *	180
185	50.7	224.8				21,000 *	185
190	49.4	220.6				18,000 *	190
195	48.0	216.1				15,100 *	195
200	46.6	211.3				12,300 *	200



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
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. Hanging Counterweight
360 Degree Rating

130 Ft. Luffing Jib 168 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	225,000 Lb. Hanging Counterweight	
			Minimum Boom Capacity To Swing and Travel Pounds	Boom Capacity Pounds
300 Ft. BOOM				
55	81.0	305.9	114,700	165,200 *
60	80.1	305.0	95,700	159,200 *
65	79.1	304.0	79,900	153,200 *
70	78.1	303.0	66,600	147,200 *
75	77.1	301.8	55,200	141,400 *
80	76.2	300.6	45,300	135,700 *
85	75.2	299.3	36,700	130,000 *
90	74.2	297.8	29,100	124,500 *
95	73.2	296.3	22,400	119,100 *
100	72.2	294.7	16,400	112,400 *
105	71.2	293.0	11,000	103,200
110	70.2	291.2	6,100	94,600
115	69.1	289.3	1,600	86,900
120	68.1	287.3		79,800
125	67.1	285.1		73,400
130	66.0	282.9		67,500
135	65.0	280.6		62,100
140	63.9	278.1		57,000
145	62.8	275.6		52,400
150	61.7	272.9		48,000 *
155	60.6	270.1		43,300 *
160	59.5	267.1		38,900 *
165	58.4	264.0		34,800 *
170	57.3	260.8		30,900 *
175	56.1	257.5		27,200 *
180	55.0	254.0		23,800 *
185	53.8	250.3		20,600 *
190	52.6	246.5		17,500 *
195	51.4	242.5		14,600 *
200	50.1	238.3		11,800 *



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
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. Hanging Counterweight
360 Degree Rating

140 Ft. Luffing Jib 168 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	0 Lb. Hanging Counterweight		55,000 Lb. Hanging Counterweight		135,000 Lb. Hanging Counterweight		225,000 Lb. Hanging Counterweight		Boom 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	
140 Ft. BOOM											
26	82.7	148.5	418,400 *	95,400	460,800 *	221,400	480,000 *	323,900	480,000 *	26	
28	81.9	148.2	386,200 *	79,300	425,800 *	194,300	446,600 *	290,600	480,000 *	28	
30	81.1	147.9	358,100 *	65,900	395,300 *	171,500	416,600 *	262,300	470,900 *	30	
32	80.2	147.5	333,300 *	54,400	368,300 *	152,100	389,900 *	237,900	441,200 *	32	
34	79.4	147.1	311,200 *	44,600	344,200 *	135,500	366,000 *	216,800	414,600 *	34	
36	78.6	146.6	283,900	36,000	322,800 *	121,000	344,500 *	198,100	390,700 *	36	
38	77.7	146.2	257,700	28,500	303,400 *	108,200	325,000 *	181,700	369,000 *	38	
40	76.9	145.7	235,200	21,800	285,900 *	97,000	307,300 *	167,000	349,400 *	40	
42	76.0	145.2	215,600	15,900	270,000 *	86,900	291,200 *	153,800	331,400 *	42	
44	75.2	144.6	198,500	10,600	251,900	77,900	276,400 *	142,000	314,900 *	44	
46	74.3	144.0	183,300	5,700	233,600	69,800	262,700 *	131,200	299,700 *	46	
48	73.5	143.4	169,700	1,400	217,300	62,400	250,200 *	121,400	285,700 *	48	
50	72.6	142.7	157,600		202,700	55,700	222,500 *	100,400	255,000 *	50	
55	70.4	141.0	132,100		172,100	41,300	198,100	83,200	229,200 *	55	
60	68.2	138.9	111,900		147,700	29,500	173,600	68,800	207,300 *	60	
65	66.0	136.7	95,400		127,900	19,700	153,200	56,700	188,400 *	65	
70	63.7	134.2	81,700		111,400	11,400	136,100	46,300	171,900 *	70	
75	61.4	131.5	70,200		97,600	4,200	121,400	37,300	157,500 *	75	
80	59.0	128.5	60,300		85,700		108,800	29,400	142,200 *	80	
85	56.5	125.2	51,800		75,500		97,700	22,400	127,600 *	85	
90	54.0	121.6	44,400		66,500		88,000	16,300	114,500 *	90	
95	51.4	117.6	37,800		58,700		79,300	10,700	102,800 *	95	
100	48.7	113.2	32,000		51,700		71,600	5,700	92,200 *	100	
105	45.9	108.4	26,800		45,400		64,600	1,200	82,500 *	105	
110	42.9	103.1	22,100		39,800		58,300		73,700 *	110	
115	39.7	97.2	17,400 *		34,700		52,600		65,500 *	115	
120	36.3	90.5	12,800 *		30,100					120	



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
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. Hanging Counterweight
360 Degree Rating

140 Ft. Luffing Jib 168 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	0 Lb. Hanging Counterweight	55,000 Lb. Hanging Counterweight		135,000 Lb. Hanging Counterweight		225,000 Lb. Hanging Counterweight		Boom 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	
160 Ft. BOOM										
28	82.9	168.4	386,000 *	82,200	425,600 *	198,100	480,000 *	328,800	480,000 *	28
30	82.2	168.1	358,000 *	68,500	395,100 *	175,000	446,400 *	295,100	480,000 *	30
32	81.5	167.8	333,200 *	57,000	368,100 *	155,400	416,500 *	266,400	470,800 *	32
34	80.7	167.5	311,200 *	47,000	344,200 *	138,500	389,800 *	241,700	441,200 *	34
36	80.0	167.1	285,400	38,300	322,800 *	123,800	366,000 *	220,300	414,600 *	36
38	79.3	166.7	259,200	30,700	303,500 *	111,000	344,500 *	201,500	390,700 *	38
40	78.6	166.2	236,700	23,900	286,000 *	99,600	325,100 *	184,800	369,100 *	40
42	77.8	165.8	217,100	17,900	270,100 *	89,400	307,500 *	170,000	349,500 *	42
44	77.1	165.3	199,900	12,500	253,300	80,300	291,300 *	156,700	331,500 *	44
46	76.3	164.8	184,600	7,700	235,000	72,100	276,600 *	144,700	315,100 *	46
48	75.6	164.3	171,100	3,300	218,700	64,600	263,000 *	133,800	299,900 *	48
50	74.9	163.7	158,900		204,000	57,900	250,400 *	123,900	286,000 *	50
55	73.0	162.1	133,400		173,300	43,300	222,900 *	102,700	255,300 *	55
60	71.1	160.4	113,100		148,900	31,400	199,300	85,300	229,600 *	60
65	69.2	158.5	96,600		129,100	21,500	174,800	70,900	207,700 *	65
70	67.2	156.4	82,900		112,600	13,100	154,400	58,600	188,800 *	70
75	65.3	154.1	71,300		98,700	5,900	137,200	48,200	172,400 *	75
80	63.3	151.6	61,500		86,900		122,600	39,100	158,000 *	80
85	61.2	148.8	52,900		76,600		109,900	31,100	145,200 *	85
90	59.1	145.8	45,500		67,600		98,800	24,100	133,800 *	90
95	57.0	142.6	38,900		59,700		89,000	17,900	122,000	95
100	54.8	139.1	33,100		52,700		80,400	12,300	111,400 *	100
105	52.6	135.3	27,900		46,500		72,700	7,300	100,500 *	105
110	50.2	131.1	23,200		40,800		65,700	2,700	90,600 *	110
115	47.8	126.6	18,800 *		35,800		59,400		81,500 *	115
120	45.3	121.7	14,200 *		31,100		53,700		73,300 *	120
125	42.7	116.3			26,900		48,500		65,600 *	125
130	39.9	110.4			22,800 *		43,700		58,600 *	130
135	37.0	103.9			18,500 *		38,900 *		52,000 *	135
140	33.8	96.6			14,600 *		34,200 *		45,800 *	140



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
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. Hanging Counterweight
360 Degree Rating

140 Ft. Luffing Jib 168 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	0 Lb. Hanging Counterweight	55,000 Lb. Hanging Counterweight		135,000 Lb. Hanging Counterweight		225,000 Lb. Hanging Counterweight		Boom 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	
180 Ft. BOOM										
32	82.4	188.1	330,600 *	57,400	365,500 *	156,700	413,800 *	268,700	468,200 *	32
34	81.8	187.7	308,600 *	47,200	341,600 *	139,500	387,200 *	243,600	438,600 *	34
36	81.1	187.4	285,600	38,200	320,200 *	124,500	363,400 *	221,700	412,000 *	36
38	80.5	187.1	259,200	30,400	300,900 *	111,300	342,000 *	202,500	388,200 *	38
40	79.8	186.7	236,500	23,500	283,400 *	99,700	322,600 *	185,600	366,600 *	40
42	79.2	186.3	216,800	17,300	267,600 *	89,300	304,900 *	170,400	346,900 *	42
44	78.5	185.8	199,400	11,800	252,800	80,000	288,800 *	156,900	329,000 *	44
46	77.9	185.4	184,100	6,800	234,400	71,600	274,000 *	144,700	312,500 *	46
48	77.2	184.9	170,400	2,200	218,000	64,000	260,400 *	133,600	297,400 *	48
50	76.6	184.4	158,200		203,300	57,100	247,900 *	123,600	283,400 *	50
55	74.9	183.1	132,400		172,400	42,200	220,300 *	101,900	252,800 *	55
60	73.3	181.5	112,000		147,800	30,100	197,200 *	84,300	227,000 *	60
65	71.6	179.9	95,300		127,800	19,900	173,500	69,600	205,100 *	65
70	69.9	178.0	81,500		111,300	11,400	153,100	57,100	186,300 *	70
75	68.2	176.0	69,900		97,300	4,100	135,800	46,500	169,900 *	75
80	66.4	173.8	59,900		85,300		121,000	37,300	155,400 *	80
85	64.7	171.5	51,300		75,000		108,300	29,200	142,700 *	85
90	62.9	168.9	43,800		66,000		97,100	22,100	131,300 *	90
95	61.1	166.1	37,200		58,000		87,300	15,800	120,300	95
100	59.2	163.2	31,300		51,000		78,600	10,100	109,700	100
105	57.3	160.0	26,000		44,700		70,800	5,000	100,300	105
110	55.4	156.5	21,300		39,000		63,800	400	91,800	110
115	53.4	152.8	16,200 *		33,900		57,500		84,100	115
120	51.4	148.8	11,500 *		29,200		51,800		75,900 *	120
125	49.3	144.6			24,800 *		46,500		68,000 *	125
130	47.1	139.9			20,100 *		41,300 *		60,800 *	130
135	44.9	134.9			15,800 *		36,200 *		54,200 *	135
140	42.5	129.5			11,800 *		31,400 *		48,000 *	140
145	40.1	123.7					27,000 *		42,200 *	145
150	37.5	117.2					22,900 *		36,800 *	150
155	34.7	110.1					19,000 *		31,600 *	155



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
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. Hanging Counterweight
360 Degree Rating

140 Ft. Luffing Jib 168 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	0 Lb. Hanging Counterweight	55,000 Lb. Hanging Counterweight		135,000 Lb. Hanging Counterweight		225,000 Lb. Hanging Counterweight		Boom 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	
200 Ft. BOOM										
34	82.6	208.0	308,600 *	50,100	341,600 *	143,100	387,200 *	248,100	438,600 *	34
36	82.0	207.7	287,500	40,900	320,200 *	127,900	363,400 *	225,900	412,100 *	36
38	81.5	207.4	261,000	32,900	300,900 *	114,500	342,000 *	206,400	388,200 *	38
40	80.9	207.0	238,100	25,800	283,500 *	102,600	322,600 *	189,200	366,600 *	40
42	80.3	206.6	218,300	19,500	267,600 *	92,100	305,000 *	173,800	347,000 *	42
44	79.7	206.3	200,900	13,900	253,100 *	82,600	288,900 *	160,100	329,000 *	44
46	79.1	205.9	185,500	8,800	235,800	74,100	274,100 *	147,700	312,600 *	46
48	78.5	205.4	171,700	4,200	219,300	66,300	260,500 *	136,500	297,500 *	48
50	78.0	205.0	159,400		204,500	59,300	247,900 *	126,200	283,500 *	50
55	76.5	203.8	133,600		173,500	44,200	220,400 *	104,300	252,900 *	55
60	75.0	202.4	113,000		148,900	31,800	197,300 *	86,400	227,100 *	60
65	73.5	200.9	96,300		128,800	21,600	174,500	71,400	205,300 *	65
70	72.0	199.3	82,400		112,200	12,900	153,900	58,800	186,400 *	70
75	70.5	197.5	70,700		98,100	5,400	136,600	48,100	170,000 *	75
80	68.9	195.6	60,700		86,100		121,800	38,700	155,600 *	80
85	67.4	193.5	52,000		75,700		109,000	30,500	142,800 *	85
90	65.8	191.3	44,500		66,700		97,800	23,300	131,400 *	90
95	64.2	188.8	37,800		58,700		88,000	16,900	121,000	95
100	62.6	186.2	31,900		51,600		79,200	11,200	110,300	100
105	61.0	183.5	26,600		45,300		71,400	6,000	100,900	105
110	59.3	180.5	21,900		39,600		64,400	1,400	92,400	110
115	57.6	177.3	17,000 *		34,400		58,100		84,700	115
120	55.9	173.9	12,300 *		29,700		52,300		77,700	120
125	54.1	170.3			25,400		47,000		71,300	125
130	52.3	166.5			20,800 *		42,100 *		65,400	130
135	50.4	162.4			16,500 *		36,900 *		59,000 *	135
140	48.5	158.0			12,500 *		32,100 *		52,700 *	140
145	46.6	153.2					27,700 *		46,800 *	145
150	44.5	148.2					23,500 *		41,300 *	150
155	42.4	142.8					19,700 *		36,200 *	155
160	40.2	136.9					16,000 *		31,300 *	160
165	37.9	130.6					12,600 *		26,800 *	165
170	35.5	123.6							22,500 *	170



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
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. Hanging Counterweight
360 Degree Rating

140 Ft. Luffing Jib 168 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	0 Lb. Hanging Counterweight		55,000 Lb. Hanging Counterweight		135,000 Lb. Hanging Counterweight		225,000 Lb. Hanging Counterweight		Boom 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	
220 Ft. BOOM											
36	82.8	227.9	288,700 *	43,100	320,000 *	130,700	356,200 *	229,600	356,200 *	36	
38	82.2	227.6	262,100	35,000	300,800 *	117,200	341,800 *	209,800	356,200 *	38	
40	81.7	227.3	239,300	27,800	283,300 *	105,100	322,500 *	192,400	356,200 *	40	
42	81.2	227.0	219,300	21,300	267,500 *	94,400	304,800 *	176,800	346,800 *	42	
44	80.7	226.6	201,900	15,600	253,000 *	84,800	288,700 *	162,900	328,900 *	44	
46	80.1	226.2	186,400	10,400	236,800	76,100	274,000 *	150,300	312,500 *	46	
48	79.6	225.9	172,600	5,700	220,200	68,300	260,400 *	138,900	297,400 *	48	
50	79.1	225.5	160,300	1,400	205,400	61,200	247,900 *	128,600	283,400 *	50	
55	77.7	224.4	134,400		174,300	45,900	220,400 *	106,400	252,800 *	55	
60	76.4	223.1	113,800		149,600	33,400	197,300 *	88,200	227,100 *	60	
65	75.0	221.8	97,000		129,500	23,000	175,200	73,100	205,200 *	65	
70	73.7	220.3	83,100		112,800	14,200	154,600	60,400	186,400 *	70	
75	72.3	218.7	71,300		98,700	6,600	137,200	49,500	170,000 *	75	
80	70.9	217.0	61,300		86,700	100	122,400	40,000	155,600 *	80	
85	69.5	215.1	52,600		76,300		109,600	31,800	142,800 *	85	
90	68.1	213.1	45,000		67,200		98,400	24,500	131,400 *	90	
95	66.7	211.0	38,300		59,200		88,500	18,000	121,200 *	95	
100	65.3	208.6	32,400		52,100		79,700	12,200	110,800	100	
105	63.8	206.2	27,100		45,700		71,900	7,000	101,400	105	
110	62.4	203.6	22,300		40,000		64,900	2,300	92,800	110	
115	60.9	200.8	17,800 *		34,900		58,500		85,100	115	
120	59.4	197.8	13,000 *		30,200		52,700		78,100	120	
125	57.8	194.7			25,900		47,400		71,700	125	
130	56.3	191.3			21,600 *		42,600		65,900	130	
135	54.7	187.8			17,200 *		37,700 *		60,500	135	
140	53.0	184.0			13,100 *		32,900 *		55,100 *	140	
145	51.4	180.1					28,400 *		49,800 *	145	
150	49.7	175.8					24,200 *		44,800 *	150	
155	47.9	171.3					20,300 *		40,000 *	155	
160	46.1	166.5					16,700 *		35,100 *	160	
165	44.3	161.4					13,200 *		30,600 *	165	
170	42.3	156.0					10,000 *		26,200 *	170	
175	40.3	150.2							22,200 *	175	
180	38.2	143.9							18,300 *	180	
185	36.0	137.1							14,600 *	185	
190	33.7	129.7							11,100 *	190	



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
 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. Hanging Counterweight
 360 Degree Rating

140 Ft. Luffing Jib 168 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	55,000 Lb. Hanging Counterweight		135,000 Lb. Hanging Counterweight		225,000 Lb. Hanging Counterweight		Boom 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	
240 Ft. BOOM									
38	82.9	247.8	36,700	300,600 *	119,500	331,900 *	212,900	331,900 *	38
40	82.4	247.5	29,400	283,200 *	107,400	322,300 *	195,200	331,900 *	40
42	81.9	247.2	22,900	267,300 *	96,500	304,700 *	179,500	331,900 *	42
44	81.4	246.9	17,100	252,900 *	86,800	288,600 *	165,400	328,800 *	44
46	81.0	246.6	11,800	237,500	78,000	273,900 *	152,700	312,400 *	46
48	80.5	246.2	7,100	220,900	70,100	260,300 *	141,200	297,300 *	48
50	80.0	245.8	2,700	206,100	62,900	247,800 *	130,700	283,300 *	50
55	78.8	244.8		174,900	47,400	220,300 *	108,200	252,700 *	55
60	77.5	243.7		150,200	34,700	197,200 *	89,900	227,000 *	60
65	76.3	242.5		130,000	24,200	175,700	74,600	205,200 *	65
70	75.1	241.2		113,300	15,300	155,100	61,700	186,300 *	70
75	73.8	239.7		99,200	7,600	137,700	50,700	169,900 *	75
80	72.6	238.1		87,100	1,000	122,800	41,200	155,500 *	80
85	71.3	236.4		76,700		110,000	32,800	142,800 *	85
90	70.1	234.6		67,600		98,700	25,500	131,400 *	90
95	68.8	232.7		59,500		88,900	18,900	121,200 *	95
100	67.5	230.6		52,400		80,100	13,100	111,200	100
105	66.2	228.4		46,100		72,200	7,800	101,700	105
110	64.9	226.0		40,300		65,200	3,100	93,100	110
115	63.5	223.5		35,200		58,800		85,400	115
120	62.2	220.9		30,500		53,000		78,400	120
125	60.8	218.1		26,200		47,700		72,000	125
130	59.4	215.1		22,200 *		42,900		66,100	130
135	58.0	212.0		17,800 *		38,300 *		60,700	135
140	56.6	208.7		13,700 *		33,500 *		55,700 *	140
145	55.1	205.2				29,000 *		50,400 *	145
150	53.6	201.6				24,800 *		45,500 *	150
155	52.1	197.7				20,800 *		40,800 *	155
160	50.6	193.6				17,200 *		36,500 *	160
165	49.0	189.3				13,700 *		32,400 *	165
170	47.4	184.7				10,500 *		28,600 *	170
175	45.7	179.8						25,000 *	175
180	44.0	174.7						21,400 *	180
185	42.3	169.2						17,700 *	185
190	40.4	163.4						14,200 *	190
195	38.5	157.2						10,800 *	195



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
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. Hanging Counterweight
360 Degree Rating

140 Ft. Luffing Jib 168 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	135,000 Lb. Hanging Counterweight		225,000 Lb. Hanging Counterweight		Boom 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	
260 Ft. BOOM							
40	83.0	267.7	109,000	274,000 *	197,400	274,000 *	40
42	82.5	267.4	98,000	270,300 *	181,500	270,300 *	42
44	82.1	267.1	88,200	266,600 *	167,300	266,600 *	44
46	81.7	266.8	79,300	262,900 *	154,400	262,900 *	46
48	81.2	266.5	71,300	259,200 *	142,800	259,200 *	48
50	80.8	266.2	64,000	247,200 *	132,200	255,600 *	50
55	79.6	265.2	48,300	219,700 *	109,500	246,600 *	55
60	78.5	264.2	35,400	196,700 *	90,900	226,500 *	60
65	77.4	263.1	24,800	175,800	75,500	204,700 *	65
70	76.3	261.9	15,800	155,100	62,500	185,800 *	70
75	75.1	260.5	8,100	137,700	51,400	169,500 *	75
80	74.0	259.1	1,400	122,800	41,800	155,100 *	80
85	72.8	257.5		109,900	33,300	142,300 *	85
90	71.7	255.9		98,700	25,900	131,000 *	90
95	70.5	254.1		88,800	19,300	120,800 *	95
100	69.3	252.2		80,000	13,400	111,100	100
105	68.1	250.2		72,200	8,100	101,600	105
110	66.9	248.1		65,100	3,300	93,100	110
115	65.7	245.8		58,700		85,300	115
120	64.5	243.4		52,900		78,300	120
125	63.3	240.9		47,600		71,900	125
130	62.0	238.2		42,800		66,000	130
135	60.7	235.4		38,300		60,600	135
140	59.5	232.5		33,600 *		55,600	140
145	58.2	229.4		29,100 *		50,600 *	145
150	56.9	226.1		24,800 *		45,600 *	150
155	55.5	222.7		20,900 *		40,900 *	155
160	54.2	219.1		17,200 *		36,600 *	160
165	52.8	215.3		13,700 *		32,500 *	165
170	51.4	211.3		10,500 *		28,700 *	170
175	49.9	207.1				25,100 *	175
180	48.5	202.7				21,700 *	180
185	47.0	198.0				18,500 *	185
190	45.4	193.1				15,400 *	190
195	43.8	187.9				12,600 *	195



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
 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. Hanging Counterweight
 360 Degree Rating

140 Ft. Luffing Jib 168 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	135,000 Lb. Hanging Counterweight		225,000 Lb. Hanging Counterweight		Boom 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	
280 Ft. BOOM							
44	82.7	287.3	89,900	233,700 *	169,500	233,700 *	44
46	82.3	287.1	80,900	230,500 *	156,500	230,500 *	46
48	81.8	286.8	72,800	227,200 *	144,700	227,200 *	48
50	81.4	286.4	65,400	224,000 *	134,000	224,000 *	50
55	80.4	285.6	49,500	216,000 *	111,100	216,000 *	55
60	79.4	284.6	36,500	196,400 *	92,300	208,100 *	60
65	78.3	283.6	25,700	176,100	76,700	200,400 *	65
70	77.3	282.5	16,600	155,400	63,600	185,600 *	70
75	76.2	281.2	8,800	137,900	52,300	169,200 *	75
80	75.1	279.9	2,100	123,000	42,600	154,800 *	80
85	74.1	278.5		110,100	34,100	142,100 *	85
90	73.0	276.9		98,800	26,600	130,700 *	90
95	71.9	275.3		88,900	19,900	120,500 *	95
100	70.9	273.6		80,100	14,000	111,200	100
105	69.8	271.7		72,300	8,600	101,700	105
110	68.7	269.7		65,200	3,800	93,100	110
115	67.6	267.7		58,800		85,400	115
120	66.4	265.5		53,000		78,400	120
125	65.3	263.2		47,700		71,900	125
130	64.2	260.8		42,800		66,100	130
135	63.0	258.2		38,300		60,600	135
140	61.9	255.5		33,900 *		55,700	140
145	60.7	252.7		29,300 *		50,900 *	145
150	59.5	249.8		25,100 *		45,900 *	150
155	58.3	246.7		21,100 *		41,200 *	155
160	57.1	243.5		17,400 *		36,800 *	160
165	55.8	240.1		13,900 *		32,700 *	165
170	54.6	236.5		10,600 *		28,900 *	170
175	53.3	232.8				25,300 *	175
180	52.0	228.9				21,800 *	180
185	50.7	224.8				18,600 *	185
190	49.4	220.6				15,600 *	190
195	48.0	216.1				12,700 *	195



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
 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. Hanging Counterweight
 360 Degree Rating

140 Ft. Luffing Jib 168 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	225,000 Lb. Hanging Counterweight	
			Minimum Boom Capacity To Swing and Travel Pounds	Boom Capacity Pounds
300 Ft. BOOM				
55	81.0	305.9	111,800	163,100 *
60	80.1	305.0	92,900	157,000 *
65	79.1	304.0	77,200	151,000 *
70	78.1	303.0	63,900	145,100 *
75	77.1	301.8	52,500	139,300 *
80	76.2	300.6	42,700	133,600 *
85	75.2	299.3	34,100	127,900 *
90	74.2	297.8	26,600	122,400 *
95	73.2	296.3	19,900	117,000 *
100	72.2	294.7	13,900	110,600 *
105	71.2	293.0	8,500	101,300
110	70.2	291.2	3,600	92,700
115	69.1	289.3		84,900
120	68.1	287.3		77,900
125	67.1	285.1		71,500
130	66.0	282.9		65,600
135	65.0	280.6		60,200
140	63.9	278.1		55,200
145	62.8	275.6		50,600
150	61.7	272.9		45,600 *
155	60.6	270.1		40,900 *
160	59.5	267.1		36,500 *
165	58.4	264.0		32,400 *
170	57.3	260.8		28,500 *
175	56.1	257.5		24,900 *
180	55.0	254.0		21,400 *
185	53.8	250.3		18,200 *
190	52.6	246.5		15,100 *
195	51.4	242.5		12,200 *



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
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. Hanging Counterweight
360 Degree Rating

150 Ft. Luffing Jib 168 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	0 Lb. Hanging Counterweight	55,000 Lb. Hanging Counterweight		135,000 Lb. Hanging Counterweight		225,000 Lb. Hanging Counterweight		Boom 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	
140 Ft. BOOM										
26	82.7	148.5	415,400 *	90,600	457,900 *	216,600	480,000 *	358,800	480,000 *	26
28	81.9	148.2	383,400 *	74,700	423,000 *	189,700	477,700 *	319,300	480,000 *	28
30	81.1	147.9	355,300 *	61,400	392,400 *	167,000	443,800 *	286,100	480,000 *	30
32	80.2	147.5	330,500 *	50,100	365,500 *	147,800	413,800 *	258,000	468,100 *	32
34	79.4	147.1	308,500 *	40,300	341,500 *	131,200	387,100 *	233,700	438,500 *	34
36	78.6	146.6	280,100	31,900	320,100 *	116,800	363,300 *	212,600	411,900 *	36
38	77.7	146.2	254,100	24,400	300,800 *	104,200	341,800 *	194,100	388,000 *	38
40	76.9	145.7	231,700	17,800	283,300 *	93,000	322,400 *	177,700	366,400 *	40
42	76.0	145.2	212,200	12,000	267,400 *	83,000	304,700 *	163,100	346,700 *	42
44	75.2	144.6	195,100	6,700	248,500	74,100	288,600 *	150,000	328,800 *	44
46	74.3	144.0	180,000	1,900	230,300	66,000	273,800 *	138,200	312,300 *	46
48	73.5	143.4	166,500		214,100	58,700	260,200 *	127,500	297,200 *	48
50	72.6	142.7	154,500		199,600	52,000	247,600 *	117,700	283,200 *	50
55	70.4	141.0	129,100		169,100	37,700	220,100 *	96,800	252,500 *	55
60	68.2	138.9	109,000		144,800	26,000	195,200	79,700	226,800 *	60
65	66.0	136.7	92,600		125,100	16,200	170,800	65,400	204,900 *	65
70	63.7	134.2	79,000		108,700	8,000	150,500	53,300	186,000 *	70
75	61.4	131.5	67,500		94,900	900	133,400	43,000	169,600 *	75
80	59.0	128.5	57,700		83,100		118,800	34,000	155,200 *	80
85	56.5	125.2	49,200		72,900		106,200	26,200	138,900 *	85
90	54.0	121.6	41,800		64,000		95,200	19,200	124,300 *	90
95	51.4	117.6	35,300		56,200		85,500	13,100	111,300 *	95
100	48.7	113.2	29,500		49,200		76,800	7,500	99,600 *	100
105	45.9	108.4	24,400		43,000		69,100	2,600	89,000 *	105
110	42.9	103.1	19,400 *		37,400		62,200		79,400 *	110
115	39.7	97.2	14,300 *		32,300		56,000		70,600 *	115
120	36.3	90.5			27,700		50,300		62,400 *	120



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
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. Hanging Counterweight
360 Degree Rating

150 Ft. Luffing Jib 168 Degree Boom to Luffing Jib Angle

Boom Oper. Feet	Boom Rad. Deg.	Boom Point Elev. Feet	0 Lb. Hanging Counterweight	55,000 Lb. Hanging Counterweight		135,000 Lb. Hanging Counterweight		225,000 Lb. Hanging Counterweight		Boom 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	
160 Ft. BOOM										
28	82.9	168.4	383,200 *	77,800	422,800 *	193,700	477,600 *	324,400	480,000 *	28
30	82.2	168.1	355,300 *	64,300	392,400 *	170,800	443,700 *	290,800	480,000 *	30
32	81.5	167.8	330,500 *	52,800	365,500 *	151,300	413,800 *	262,300	468,100 *	32
34	80.7	167.5	308,600 *	42,900	341,600 *	134,500	387,200 *	237,700	438,500 *	34
36	80.0	167.1	281,900	34,400	320,200 *	119,900	363,400 *	216,300	412,100 *	36
38	79.3	166.7	255,800	26,800	300,900 *	107,100	342,000 *	197,600	388,200 *	38
40	78.6	166.2	233,300	20,200	283,500 *	95,800	322,600 *	181,000	366,600 *	40
42	77.8	165.8	213,800	14,200	267,600 *	85,700	305,000 *	166,300	347,000 *	42
44	77.1	165.3	196,700	8,900	250,100	76,700	288,900 *	153,000	329,100 *	44
46	76.3	164.8	181,600	4,100	231,900	68,500	274,100 *	141,100	312,700 *	46
48	75.6	164.3	168,100		215,600	61,100	260,600 *	130,300	297,500 *	48
50	74.9	163.7	156,000		201,100	54,400	248,000 *	120,400	283,600 *	50
55	73.0	162.1	130,600		170,500	39,900	220,500 *	99,300	253,000 *	55
60	71.1	160.4	110,400		146,200	28,100	196,600	82,000	227,300 *	60
65	69.2	158.5	93,900		126,400	18,300	172,100	67,600	205,400 *	65
70	67.2	156.4	80,300		110,000	9,900	151,800	55,400	186,600 *	70
75	65.3	154.1	68,800		96,200	2,800	134,700	45,000	170,200 *	75
80	63.3	151.6	59,000		84,400		120,100	36,000	155,800 *	80
85	61.2	148.8	50,500		74,200		107,500	28,100	143,000 *	85
90	59.1	145.8	43,100		65,300		96,400	21,100	131,500	90
95	57.0	142.6	36,500		57,400		86,700	14,900	119,700	95
100	54.8	139.1	30,700		50,400		78,100	9,400	108,400 *	100
105	52.6	135.3	25,600		44,200		70,400	4,400	97,500 *	105
110	50.2	131.1	20,900		38,600		63,400		87,600 *	110
115	47.8	126.6	15,900 *		33,500		57,200		78,600 *	115
120	45.3	121.7	11,300 *		28,900		51,500		70,400 *	120
125	42.7	116.3			24,600 *		46,300		62,800 *	125
130	39.9	110.4			20,000 *		41,100 *		55,700 *	130
135	37.0	103.9			15,700 *		36,100 *		49,200 *	135
140	33.8	96.6			11,800 *		31,400 *		43,000 *	140



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
 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. Hanging Counterweight
 360 Degree Rating

150 Ft. Luffing Jib 168 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	0 Lb. Hanging Counterweight	55,000 Lb. Hanging Counterweight		135,000 Lb. Hanging Counterweight		225,000 Lb. Hanging Counterweight		Boom 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	
180 Ft. BOOM										
32	82.4	188.1	328,000 *	53,500	363,000 *	152,800	411,300 *	264,700	465,600 *	32
34	81.8	187.7	306,100 *	43,300	339,100 *	135,600	384,700 *	239,700	436,000 *	34
36	81.1	187.4	282,200	34,500	317,700 *	120,700	360,900 *	217,900	409,600 *	36
38	80.5	187.1	255,900	26,700	298,400 *	107,600	339,500 *	198,800	385,700 *	38
40	79.8	186.7	233,300	19,900	281,000 *	96,100	320,100 *	181,900	364,200 *	40
42	79.2	186.3	213,600	13,800	265,200 *	85,700	302,500 *	166,900	344,500 *	42
44	78.5	185.8	196,400	8,300	249,800	76,500	286,400 *	153,400	326,600 *	44
46	77.9	185.4	181,100	3,300	231,500	68,200	271,700 *	141,300	310,200 *	46
48	77.2	184.9	167,500		215,100	60,600	258,100 *	130,300	295,100 *	48
50	76.6	184.4	155,300		200,500	53,700	245,600 *	120,200	281,100 *	50
55	74.9	183.1	129,700		169,700	39,000	218,100 *	98,700	250,500 *	55
60	73.3	181.5	109,400		145,200	26,900	195,000 *	81,100	224,800 *	60
65	71.6	179.9	92,800		125,300	16,900	171,000	66,500	203,000 *	65
70	69.9	178.0	79,100		108,800	8,400	150,600	54,100	184,200 *	70
75	68.2	176.0	67,500		94,900	1,100	133,400	43,500	167,800 *	75
80	66.4	173.8	57,600		83,000		118,700	34,300	153,400 *	80
85	64.7	171.5	49,000		72,700		106,000	26,300	140,600 *	85
90	62.9	168.9	41,500		63,700		94,900	19,200	129,200 *	90
95	61.1	166.1	34,900		55,800		85,100	12,900	118,100	95
100	59.2	163.2	29,100		48,800		76,400	7,300	107,500	100
105	57.3	160.0	23,900		42,500		68,700	2,200	98,100	105
110	55.4	156.5	18,600 *		36,800		61,700		89,700	110
115	53.4	152.8	13,500 *		31,700		55,400		81,600 *	115
120	51.4	148.8			27,100		49,700		73,100 *	120
125	49.3	144.6			22,100 *		44,200 *		65,300 *	125
130	47.1	139.9			17,400 *		38,600 *		58,100 *	130
135	44.9	134.9			13,100 *		33,500 *		51,500 *	135
140	42.5	129.5					28,800 *		45,300 *	140
145	40.1	123.7					24,400 *		39,600 *	145
150	37.5	117.2					20,300 *		34,200 *	150
155	34.7	110.1					16,400 *		29,100 *	155



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
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. Hanging Counterweight
360 Degree Rating

150 Ft. Luffing Jib 168 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	0 Lb. Hanging Counterweight	55,000 Lb. Hanging Counterweight		135,000 Lb. Hanging Counterweight		225,000 Lb. Hanging Counterweight		Boom 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	
200 Ft. BOOM										
34	82.6	208.0	306,200 *	46,300	339,200 *	139,400	384,800 *	244,400	436,100 *	34
36	82.0	207.7	284,200	37,300	317,800 *	124,200	361,000 *	222,300	409,700 *	36
38	81.5	207.4	257,800	29,400	298,600 *	110,900	339,600 *	202,900	385,800 *	38
40	80.9	207.0	235,000	22,400	281,100 *	99,200	320,300 *	185,700	364,300 *	40
42	80.3	206.6	215,300	16,100	265,300 *	88,700	302,700 *	170,400	344,700 *	42
44	79.7	206.3	198,000	10,500	250,900 *	79,300	286,600 *	156,700	326,800 *	44
46	79.1	205.9	182,600	5,500	233,000	70,800	271,800 *	144,400	310,400 *	46
48	78.5	205.4	169,000	900	216,500	63,100	258,300 *	133,200	295,200 *	48
50	78.0	205.0	156,700		201,800	56,100	245,700 *	123,000	281,300 *	50
55	76.5	203.8	131,000		170,900	41,100	218,300 *	101,200	250,700 *	55
60	75.0	202.4	110,500		146,400	28,800	195,200 *	83,300	225,000 *	60
65	73.5	200.9	93,900		126,400	18,600	172,100	68,500	203,200 *	65
70	72.0	199.3	80,100		109,800	10,000	151,600	56,000	184,300 *	70
75	70.5	197.5	68,400		95,800	2,600	134,300	45,200	168,000 *	75
80	68.9	195.6	58,500		83,900		119,600	35,900	153,600 *	80
85	67.4	193.5	49,800		73,500		106,800	27,800	140,800 *	85
90	65.8	191.3	42,300		64,500		95,700	20,600	129,400 *	90
95	64.2	188.8	35,700		56,500		85,900	14,200	118,800	95
100	62.6	186.2	29,800		49,500		77,100	8,500	108,300	100
105	61.0	183.5	24,600		43,200		69,400	3,400	98,800	105
110	59.3	180.5	19,500 *		37,500		62,400		90,300	110
115	57.6	177.3	14,400 *		32,400		56,000		82,600	115
120	55.9	173.9			27,700		50,300		75,700	120
125	54.1	170.3			23,000 *		45,000		69,300	125
130	52.3	166.5			18,300 *		39,600 *		63,300 *	130
135	50.4	162.4			13,900 *		34,400 *		56,400 *	135
140	48.5	158.0					29,600 *		50,100 *	140
145	46.6	153.2					25,200 *		44,300 *	145
150	44.5	148.2					21,000 *		38,800 *	150
155	42.4	142.8					17,200 *		33,700 *	155
160	40.2	136.9					13,600 *		28,900 *	160
165	37.9	130.6					10,200 *		24,300 *	165
170	35.5	123.6							20,100 *	170



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
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. Hanging Counterweight
360 Degree Rating

150 Ft. Luffing Jib 168 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	0 Lb. Hanging Counterweight	55,000 Lb. Hanging Counterweight		135,000 Lb. Hanging Counterweight		225,000 Lb. Hanging Counterweight		Boom 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	
220 Ft. BOOM										
36	82.8	227.9	285,500	39,600	317,700 *	127,200	353,800 *	226,000	353,800 *	36
38	82.2	227.6	259,000	31,500	298,400 *	113,700	339,500 *	206,400	353,800 *	38
40	81.7	227.3	236,300	24,400	281,100 *	101,800	320,200 *	189,000	353,800 *	40
42	81.2	227.0	216,400	18,000	265,200 *	91,100	302,600 *	173,500	344,600 *	42
44	80.7	226.6	199,100	12,300	250,800 *	81,600	286,500 *	159,600	326,700 *	44
46	80.1	226.2	183,700	7,200	234,000	73,000	271,800 *	147,100	310,300 *	46
48	79.6	225.9	170,000	2,600	217,500	65,200	258,200 *	135,800	295,200 *	48
50	79.1	225.5	157,700		202,800	58,100	245,700 *	125,500	281,300 *	50
55	77.7	224.4	131,900		171,800	42,900	218,300 *	103,400	250,700 *	55
60	76.4	223.1	111,400		147,200	30,500	195,200 *	85,300	225,100 *	60
65	75.0	221.8	94,700		127,200	20,100	172,900	70,300	203,200 *	65
70	73.7	220.3	80,800		110,500	11,400	152,300	57,600	184,400 *	70
75	72.3	218.7	69,100		96,500	3,900	135,000	46,700	168,000 *	75
80	70.9	217.0	59,100		84,500		120,200	37,300	153,700 *	80
85	69.5	215.1	50,500		74,200		107,500	29,100	140,900 *	85
90	68.1	213.1	42,900		65,100		96,300	21,900	129,600 *	90
95	66.7	211.0	36,300		57,100		86,500	15,400	119,400 *	95
100	65.3	208.6	30,400		50,100		77,700	9,700	108,800	100
105	63.8	206.2	25,100		43,700		69,900	4,500	99,400	105
110	62.4	203.6	20,400		38,100		62,900		90,900	110
115	60.9	200.8	15,300 *		32,900		56,600		83,200	115
120	59.4	197.8	10,500 *		28,200		50,800		76,200	120
125	57.8	194.7			23,800 *		45,500		69,800	125
130	56.3	191.3			19,100 *		40,500 *		64,000	130
135	54.7	187.8			14,700 *		35,300 *		58,300 *	135
140	53.0	184.0			10,700 *		30,400 *		52,600 *	140
145	51.4	180.1					26,000 *		47,400 *	145
150	49.7	175.8					21,800 *		42,400 *	150
155	47.9	171.3					17,900 *		37,600 *	155
160	46.1	166.5					14,300 *		32,800 *	160
165	44.3	161.4					10,900 *		28,200 *	165
170	42.3	156.0							23,900 *	170
175	40.3	150.2							19,800 *	175
180	38.2	143.9							16,000 *	180
185	36.0	137.1							12,300 *	185



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
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. Hanging Counterweight
360 Degree Rating

150 Ft. Luffing Jib 168 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	55,000 Lb. Hanging Counterweight		135,000 Lb. Hanging Counterweight		225,000 Lb. Hanging Counterweight		Boom 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	
240 Ft. BOOM									
38	82.9	247.8	33,400	298,300 *	116,200	329,800 *	209,500	329,800 *	38
40	82.4	247.5	26,200	280,900 *	104,100	320,100 *	191,900	329,800 *	40
42	81.9	247.2	19,700	265,100 *	93,300	302,500 *	176,300	329,800 *	42
44	81.4	246.9	13,900	250,700 *	83,700	286,400 *	162,300	326,600 *	44
46	81.0	246.6	8,700	234,800	74,900	271,700 *	149,600	310,200 *	46
48	80.5	246.2	4,000	218,300	67,100	258,200 *	138,100	295,200 *	48
50	80.0	245.8		203,500	59,900	245,700 *	127,700	281,200 *	50
55	78.8	244.8		172,500	44,500	218,200 *	105,300	250,700 *	55
60	77.5	243.7		147,800	31,900	195,200 *	87,100	225,000 *	60
65	76.3	242.5		127,700	21,400	173,400	71,900	203,200 *	65
70	75.1	241.2		111,100	12,600	152,900	59,100	184,400 *	70
75	73.8	239.7		97,000	5,000	135,500	48,100	168,100 *	75
80	72.6	238.1		85,000		120,700	38,600	153,700 *	80
85	71.3	236.4		74,600		107,900	30,300	141,000 *	85
90	70.1	234.6		65,600		96,700	22,900	129,600 *	90
95	68.8	232.7		57,600		86,900	16,400	119,400 *	95
100	67.5	230.6		50,500		78,100	10,600	109,200	100
105	66.2	228.4		44,100		70,300	5,400	99,800	105
110	64.9	226.0		38,400		63,300	700	91,200	110
115	63.5	223.5		33,300		56,900		83,500	115
120	62.2	220.9		28,600		51,200		76,500	120
125	60.8	218.1		24,300		45,900		70,200	125
130	59.4	215.1		19,800 *		41,100		64,300	130
135	58.0	212.0		15,400 *		36,000 *		58,900	135
140	56.6	208.7		11,300 *		31,100 *		53,400 *	140
145	55.1	205.2				26,600 *		48,100 *	145
150	53.6	201.6				22,400 *		43,100 *	150
155	52.1	197.7				18,500 *		38,500 *	155
160	50.6	193.6				14,900 *		34,200 *	160
165	49.0	189.3				11,500 *		30,200 *	165
170	47.4	184.7						26,400 *	170
175	45.7	179.8						22,800 *	175
180	44.0	174.7						19,100 *	180
185	42.3	169.2						15,400 *	185
190	40.4	163.4						12,000 *	190



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
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. Hanging Counterweight
360 Degree Rating

150 Ft. Luffing Jib 168 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	135,000 Lb. Hanging Counterweight		225,000 Lb. Hanging Counterweight		Boom 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	
260 Ft. BOOM							
40	83.0	267.7	105,800	272,000 *	194,200	272,000 *	40
42	82.5	267.4	94,900	268,300 *	178,400	268,300 *	42
44	82.1	267.1	85,100	264,600 *	164,200	264,600 *	44
46	81.7	266.8	76,300	260,900 *	151,400	260,900 *	46
48	81.2	266.5	68,300	257,300 *	139,800	257,300 *	48
50	80.8	266.2	61,000	245,100 *	129,300	253,700 *	50
55	79.6	265.2	45,400	217,700 *	106,700	244,700 *	55
60	78.5	264.2	32,700	194,700 *	88,200	224,600 *	60
65	77.4	263.1	22,100	173,600	72,900	202,800 *	65
70	76.3	261.9	13,200	153,000	59,900	184,000 *	70
75	75.1	260.5	5,500	135,600	48,800	167,600 *	75
80	74.0	259.1		120,800	39,200	153,300 *	80
85	72.8	257.5		108,000	30,900	140,500 *	85
90	71.7	255.9		96,800	23,500	129,200 *	90
95	70.5	254.1		86,900	16,900	119,000 *	95
100	69.3	252.2		78,100	11,000	109,200	100
105	68.1	250.2		70,300	5,800	99,800	105
110	66.9	248.1		63,300	1,000	91,200	110
115	65.7	245.8		56,900		83,500	115
120	64.5	243.4		51,100		76,500	120
125	63.3	240.9		45,900		70,100	125
130	62.0	238.2		41,000		64,300	130
135	60.7	235.4		36,200 *		58,900	135
140	59.5	232.5		31,300 *		53,700 *	140
145	58.2	229.4		26,800 *		48,300 *	145
150	56.9	226.1		22,600 *		43,400 *	150
155	55.5	222.7		18,700 *		38,700 *	155
160	54.2	219.1		15,000 *		34,400 *	160
165	52.8	215.3		11,500 *		30,300 *	165
170	51.4	211.3				26,500 *	170
175	49.9	207.1				22,900 *	175
180	48.5	202.7				19,500 *	180
185	47.0	198.0				16,300 *	185
190	45.4	193.1				13,300 *	190
195	43.8	187.9				10,400 *	195



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
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. Hanging Counterweight
360 Degree Rating

150 Ft. Luffing Jib 168 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	135,000 Lb. Hanging Counterweight		225,000 Lb. Hanging Counterweight		Boom 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	
280 Ft. BOOM							
44	82.7	287.3	86,900	231,500 *	166,500	231,500 *	44
46	82.3	287.1	78,000	228,300 *	153,600	228,300 *	46
48	81.8	286.8	69,900	225,100 *	141,800	225,100 *	48
50	81.4	286.4	62,500	221,900 *	131,200	221,900 *	50
55	80.4	285.6	46,700	213,900 *	108,300	213,900 *	55
60	79.4	284.6	33,800	194,500 *	89,700	206,000 *	60
65	78.3	283.6	23,100	173,900	74,100	198,300 *	65
70	77.3	282.5	14,100	153,300	61,000	183,700 *	70
75	76.2	281.2	6,300	135,900	49,800	167,400 *	75
80	75.1	279.9		121,000	40,100	153,000 *	80
85	74.1	278.5		108,200	31,700	140,300 *	85
90	73.0	276.9		96,900	24,200	129,000 *	90
95	71.9	275.3		87,100	17,600	118,800 *	95
100	70.9	273.6		78,300	11,600	109,400	100
105	69.8	271.7		70,400	6,300	99,900	105
110	68.7	269.7		63,400	1,500	91,300	110
115	67.6	267.7		57,000		83,600	115
120	66.4	265.5		51,200		76,600	120
125	65.3	263.2		45,900		70,200	125
130	64.2	260.8		41,100		64,300	130
135	63.0	258.2		36,600 *		58,900	135
140	61.9	255.5		31,700 *		54,000	140
145	60.7	252.7		27,100 *		48,700 *	145
150	59.5	249.8		22,900 *		43,700 *	150
155	58.3	246.7		18,900 *		39,000 *	155
160	57.1	243.5		15,200 *		34,700 *	160
165	55.8	240.1		11,800 *		30,600 *	165
170	54.6	236.5				26,700 *	170
175	53.3	232.8				23,100 *	175
180	52.0	228.9				19,700 *	180
185	50.7	224.8				16,500 *	185
190	49.4	220.6				13,500 *	190
195	48.0	216.1				10,600 *	195



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
 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. Hanging Counterweight
 360 Degree Rating

150 Ft. Luffing Jib 168 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	225,000 Lb. Hanging Counterweight	
			Minimum Boom Capacity To Swing and Travel Pounds	Boom Capacity Pounds
300 Ft. BOOM				
55	81.0	305.9	109,200	161,100 *
60	80.1	305.0	90,300	155,100 *
65	79.1	304.0	74,600	149,100 *
70	78.1	303.0	61,400	143,200 *
75	77.1	301.8	50,100	137,400 *
80	76.2	300.6	40,300	131,700 *
85	75.2	299.3	31,800	126,000 *
90	74.2	297.8	24,300	120,500 *
95	73.2	296.3	17,600	115,100 *
100	72.2	294.7	11,600	108,900 *
105	71.2	293.0	6,200	99,500
110	70.2	291.2	1,400	91,000
115	69.1	289.3		83,200
120	68.1	287.3		76,200
125	67.1	285.1		69,800
130	66.0	282.9		63,900
135	65.0	280.6		58,500
140	63.9	278.1		53,500
145	62.8	275.6		48,500 *
150	61.7	272.9		43,500 *
155	60.6	270.1		38,800 *
160	59.5	267.1		34,400 *
165	58.4	264.0		30,300 *
170	57.3	260.8		26,400 *
175	56.1	257.5		22,800 *
180	55.0	254.0		19,400 *
185	53.8	250.3		16,100 *
190	52.6	246.5		13,100 *
195	51.4	242.5		10,200 *



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
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. Hanging Counterweight
360 Degree Rating

160 Ft. Luffing Jib 168 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	0 Lb. Hanging Counterweight	55,000 Lb. Hanging Counterweight		135,000 Lb. Hanging Counterweight		225,000 Lb. Hanging Counterweight		Boom 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	
140 Ft. BOOM										
26	82.7	148.5	412,300 *	85,500	454,700 *	211,600	480,000 *	353,800	480,000 *	26
28	81.9	148.2	380,300 *	69,800	419,900 *	184,800	474,600 *	314,400	480,000 *	28
30	81.1	147.9	352,300 *	56,700	389,400 *	162,300	440,700 *	281,400	480,000 *	30
32	80.2	147.5	327,500 *	45,500	362,500 *	143,200	410,800 *	253,300	465,100 *	32
34	79.4	147.1	305,500 *	35,800	338,500 *	126,700	384,200 *	229,200	435,500 *	34
36	78.6	146.6	276,100	27,400	317,100 *	112,400	360,300 *	208,200	409,000 *	36
38	77.7	146.2	250,200	20,100	297,800 *	99,800	338,900 *	189,700	385,100 *	38
40	76.9	145.7	227,900	13,500	280,400 *	88,700	319,500 *	173,400	363,500 *	40
42	76.0	145.2	208,500	7,700	264,500 *	78,800	301,900 *	158,800	343,900 *	42
44	75.2	144.6	191,500	2,500	244,900	69,900	285,800 *	145,800	325,900 *	44
46	74.3	144.0	176,500		226,800	61,800	271,000 *	134,000	309,500 *	46
48	73.5	143.4	163,100		210,600	54,600	257,400 *	123,400	294,400 *	48
50	72.6	142.7	151,000		196,200	48,000	244,800 *	113,700	280,400 *	50
55	70.4	141.0	125,800		165,800	33,700	217,300 *	92,800	249,800 *	55
60	68.2	138.9	105,800		141,600	22,100	192,000	75,800	224,100 *	60
65	66.0	136.7	89,500		122,000	12,400	167,700	61,500	202,200 *	65
70	63.7	134.2	75,900		105,700	4,200	147,500	49,500	183,300 *	70
75	61.4	131.5	64,500		91,900		130,400	39,200	166,900 *	75
80	59.0	128.5	54,800		80,200		115,900	30,300	151,700 *	80
85	56.5	125.2	46,300		70,000		103,300	22,500	135,200 *	85
90	54.0	121.6	39,000		61,100		92,300	15,600	120,700 *	90
95	51.4	117.6	32,500		53,300		82,600	9,500	107,700 *	95
100	48.7	113.2	26,700		46,400		74,100	4,000	96,000 *	100
105	45.9	108.4	21,300 *		40,200		66,400		85,500 *	105
110	42.9	103.1	15,800 *		34,600		59,500		75,900 *	110
115	39.7	97.2	10,800 *		29,600		53,300		67,100 *	115
120	36.3	90.5			24,500 *		47,500 *		58,900 *	120



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
 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. Hanging Counterweight
 360 Degree Rating

160 Ft. Luffing Jib 168 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	0 Lb. Hanging Counterweight	55,000 Lb. Hanging Counterweight		135,000 Lb. Hanging Counterweight		225,000 Lb. Hanging Counterweight		Boom 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	
160 Ft. BOOM										
28	82.9	168.4	380,300 *	73,100	419,900 *	189,000	474,600 *	319,700	480,000 *	28
30	82.2	168.1	352,300 *	59,800	389,400 *	166,200	440,800 *	286,300	480,000 *	30
32	81.5	167.8	327,700 *	48,400	362,600 *	146,900	410,900 *	257,900	465,200 *	32
34	80.7	167.5	305,700 *	38,600	338,700 *	130,200	384,400 *	233,400	435,700 *	34
36	80.0	167.1	278,100	30,100	317,400 *	115,700	360,600 *	212,100	409,200 *	36
38	79.3	166.7	252,100	22,700	298,100 *	103,000	339,200 *	193,500	385,400 *	38
40	78.6	166.2	229,800	16,100	280,700 *	91,700	319,800 *	177,000	363,900 *	40
42	77.8	165.8	210,300	10,200	264,900 *	81,700	302,200 *	162,300	344,300 *	42
44	77.1	165.3	193,300	4,900	246,700 *	72,700	286,200 *	149,100	326,400 *	44
46	76.3	164.8	178,200	200	228,500	64,600	271,400 *	137,200	310,000 *	46
48	75.6	164.3	164,800		212,400	57,200	257,900 *	126,400	294,900 *	48
50	74.9	163.7	152,700		197,900	50,500	245,400 *	116,600	280,900 *	50
55	73.0	162.1	127,400		167,400	36,200	217,900 *	95,500	250,300 *	55
60	71.1	160.4	107,300		143,200	24,400	193,600	78,300	224,700 *	60
65	69.2	158.5	91,000		123,500	14,600	169,200	64,000	202,800 *	65
70	67.2	156.4	77,400		107,200	6,400	149,000	51,900	184,000 *	70
75	65.3	154.1	66,000		93,400		131,900	41,500	167,700 *	75
80	63.3	151.6	56,200		81,600		117,300	32,500	153,300 *	80
85	61.2	148.8	47,800		71,400		104,700	24,600	140,600 *	85
90	59.1	145.8	40,400		62,600		93,700	17,700	128,800	90
95	57.0	142.6	33,900		54,700		84,000	11,500	117,000	95
100	54.8	139.1	28,100		47,800		75,400	6,000	105,000 *	100
105	52.6	135.3	23,000		41,600		67,800	1,000	94,200 *	105
110	50.2	131.1	17,600 *		36,000		60,900		84,300 *	110
115	47.8	126.6	12,600 *		31,000		54,600		75,300 *	115
120	45.3	121.7			26,300 *		49,000		67,100 *	120
125	42.7	116.3			21,300 *		43,400 *		59,500 *	125
130	39.9	110.4			16,700 *		37,900 *		52,500 *	130
135	37.0	103.9			12,500 *		32,800 *		45,900 *	135
140	33.8	96.6					28,200 *		39,800 *	140



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
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. Hanging Counterweight
360 Degree Rating

160 Ft. Luffing Jib 168 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	0 Lb. Hanging Counterweight	55,000 Lb. Hanging Counterweight		135,000 Lb. Hanging Counterweight		225,000 Lb. Hanging Counterweight		Boom 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	
180 Ft. BOOM										
32	82.4	188.1	325,200 *	49,200	360,200 *	148,500	408,500 *	260,500	462,800 *	32
34	81.8	187.7	303,300 *	39,200	336,300 *	131,500	381,900 *	235,600	433,300 *	34
36	81.1	187.4	278,500	30,400	315,000 *	116,700	358,200 *	213,900	406,800 *	36
38	80.5	187.1	252,400	22,700	295,800 *	103,700	336,800 *	194,900	383,000 *	38
40	79.8	186.7	229,900	16,000	278,400 *	92,100	317,500 *	178,000	361,500 *	40
42	79.2	186.3	210,300	9,900	262,500 *	81,900	299,900 *	163,100	341,900 *	42
44	78.5	185.8	193,100	4,500	246,500	72,700	283,800 *	149,600	324,000 *	44
46	77.9	185.4	177,900		228,300	64,400	269,100 *	137,500	307,600 *	46
48	77.2	184.9	164,400		212,000	56,900	255,500 *	126,600	292,500 *	48
50	76.6	184.4	152,200		197,400	50,100	243,000 *	116,600	278,600 *	50
55	74.9	183.1	126,800		166,700	35,400	215,600 *	95,100	248,000 *	55
60	73.3	181.5	106,500		142,400	23,400	192,500 *	77,600	222,400 *	60
65	71.6	179.9	90,000		122,500	13,400	168,200	63,000	200,500 *	65
70	69.9	178.0	76,300		106,100	5,000	147,900	50,700	181,700 *	70
75	68.2	176.0	64,800		92,200		130,700	40,200	165,400 *	75
80	66.4	173.8	54,900		80,300		116,100	31,000	151,000 *	80
85	64.7	171.5	46,400		70,100		103,400	23,000	138,300 *	85
90	62.9	168.9	39,000		61,200		92,300	16,000	126,900 *	90
95	61.1	166.1	32,400		53,300		82,600	9,700	115,500	95
100	59.2	163.2	26,600		46,300		73,900	4,100	105,000	100
105	57.3	160.0	21,000 *		40,000		66,200		95,600	105
110	55.4	156.5	15,400 *		34,400		59,200		87,200	110
115	53.4	152.8	10,300 *		29,300		53,000		78,500 *	115
120	51.4	148.8			24,000 *		47,100 *		70,000 *	120
125	49.3	144.6			18,900 *		41,100 *		62,200 *	125
130	47.1	139.9			14,300 *		35,500 *		55,000 *	130
135	44.9	134.9			10,000 *		30,400 *		48,400 *	135
140	42.5	129.5					25,700 *		42,300 *	140
145	40.1	123.7					21,300 *		36,500 *	145
150	37.5	117.2					17,200 *		31,100 *	150
155	34.7	110.1					13,400 *		26,000 *	155



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
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. Hanging Counterweight
360 Degree Rating

160 Ft. Luffing Jib 168 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	0 Lb. Hanging Counterweight	55,000 Lb. Hanging Counterweight		135,000 Lb. Hanging Counterweight		225,000 Lb. Hanging Counterweight		Boom 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	
200 Ft. BOOM										
34	82.6	208.0	303,500 *	42,300	336,500 *	135,400	382,100 *	240,400	433,400 *	34
36	82.0	207.7	280,600	33,400	315,100 *	120,300	358,400 *	218,400	407,000 *	36
38	81.5	207.4	254,300	25,500	295,900 *	107,100	337,000 *	199,000	383,200 *	38
40	80.9	207.0	231,700	18,600	278,600 *	95,400	317,700 *	182,000	361,700 *	40
42	80.3	206.6	212,100	12,400	262,800 *	85,000	300,100 *	166,700	342,100 *	42
44	79.7	206.3	194,800	6,900	248,200	75,600	284,000 *	153,100	324,200 *	44
46	79.1	205.9	179,500	1,900	229,900	67,200	269,300 *	140,800	307,800 *	46
48	78.5	205.4	165,900		213,500	59,500	255,800 *	129,700	292,800 *	48
50	78.0	205.0	153,700		198,900	52,600	243,300 *	119,500	278,800 *	50
55	76.5	203.8	128,100		168,100	37,700	215,800 *	97,700	248,300 *	55
60	75.0	202.4	107,800		143,600	25,500	192,800 *	80,000	222,600 *	60
65	73.5	200.9	91,200		123,700	15,300	169,400	65,200	200,800 *	65
70	72.0	199.3	77,400		107,200	6,700	149,000	52,700	182,000 *	70
75	70.5	197.5	65,800		93,200		131,800	42,000	165,600 *	75
80	68.9	195.6	55,900		81,300		117,000	32,700	151,300 *	80
85	67.4	193.5	47,400		71,000		104,300	24,600	138,500 *	85
90	65.8	191.3	39,900		62,000		93,200	17,500	127,200 *	90
95	64.2	188.8	33,300		54,100		83,400	11,200	116,400	95
100	62.6	186.2	27,400		47,100		74,700	5,500	105,900	100
105	61.0	183.5	22,100 *		40,800		67,000	400	96,400	105
110	59.3	180.5	16,500 *		35,200		60,000		88,000	110
115	57.6	177.3	11,400 *		30,100		53,700		80,300	115
120	55.9	173.9			25,100 *		48,000		73,400	120
125	54.1	170.3			20,000 *		42,200 *		67,000	125
130	52.3	166.5			15,300 *		36,600 *		60,300 *	130
135	50.4	162.4			11,000 *		31,400 *		53,500 *	135
140	48.5	158.0					26,700 *		47,200 *	140
145	46.6	153.2					22,200 *		41,300 *	145
150	44.5	148.2					18,100 *		35,900 *	150
155	42.4	142.8					14,300 *		30,800 *	155
160	40.2	136.9					10,700 *		26,000 *	160
165	37.9	130.6							21,500 *	165
170	35.5	123.6							17,200 *	170



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
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. Hanging Counterweight
360 Degree Rating

160 Ft. Luffing Jib 168 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	55,000 Lb. Hanging Counterweight		135,000 Lb. Hanging Counterweight		225,000 Lb. Hanging Counterweight		Boom 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	
220 Ft. BOOM									
36	82.8	227.9	35,800	315,100 *	123,400	350,900 *	222,300	350,900 *	36
38	82.2	227.6	27,800	295,900 *	110,000	337,000 *	202,700	350,900 *	38
40	81.7	227.3	20,700	278,500 *	98,100	317,700 *	185,400	350,900 *	40
42	81.2	227.0	14,400	262,800 *	87,500	300,100 *	169,900	342,100 *	42
44	80.7	226.6	8,800	248,300 *	78,000	284,100 *	156,100	324,200 *	44
46	80.1	226.2	3,700	231,000	69,500	269,400 *	143,600	307,900 *	46
48	79.6	225.9		214,600	61,700	255,800 *	132,300	292,800 *	48
50	79.1	225.5		199,900	54,700	243,300 *	122,100	278,900 *	50
55	77.7	224.4		169,100	39,600	215,900 *	100,000	248,400 *	55
60	76.4	223.1		144,500	27,200	192,900 *	82,100	222,700 *	60
65	75.0	221.8		124,600	16,900	170,300	67,100	200,900 *	65
70	73.7	220.3		108,000	8,200	149,800	54,500	182,200 *	70
75	72.3	218.7		94,000	800	132,500	43,600	165,800 *	75
80	70.9	217.0		82,100		117,800	34,300	151,400 *	80
85	69.5	215.1		71,800		105,100	26,100	138,700 *	85
90	68.1	213.1		62,800		93,900	18,900	127,400 *	90
95	66.7	211.0		54,800		84,100	12,500	117,100	95
100	65.3	208.6		47,800		75,400	6,700	106,500	100
105	63.8	206.2		41,500		67,600	1,600	97,100	105
110	62.4	203.6		35,800		60,600		88,600	110
115	60.9	200.8		30,700		54,300		80,900	115
120	59.4	197.8		26,000		48,600		74,000	120
125	57.8	194.7		20,900 *		43,200 *		67,600	125
130	56.3	191.3		16,200 *		37,600 *		61,600 *	130
135	54.7	187.8		11,900 *		32,400 *		55,500 *	135
140	53.0	184.0				27,600 *		49,800 *	140
145	51.4	180.1				23,100 *		44,500 *	145
150	49.7	175.8				19,000 *		39,600 *	150
155	47.9	171.3				15,100 *		34,900 *	155
160	46.1	166.5				11,500 *		30,000 *	160
165	44.3	161.4						25,400 *	165
170	42.3	156.0						21,100 *	170
175	40.3	150.2						17,100 *	175
180	38.2	143.9						13,200 *	180



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
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. Hanging Counterweight
360 Degree Rating

160 Ft. Luffing Jib 168 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	55,000 Lb. Hanging Counterweight		135,000 Lb. Hanging Counterweight		225,000 Lb. Hanging Counterweight		Boom 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	
240 Ft. BOOM									
38	82.9	247.8	29,800	295,800 *	112,600	326,300 *	205,900	326,300 *	38
40	82.4	247.5	22,600	278,500 *	100,500	317,600 *	188,400	326,300 *	40
42	81.9	247.2	16,200	262,700 *	89,800	300,100 *	172,800	326,300 *	42
44	81.4	246.9	10,500	248,300 *	80,200	284,000 *	158,800	324,200 *	44
46	81.0	246.6	5,300	231,900	71,600	269,300 *	146,200	307,900 *	46
48	80.5	246.2	700	215,500	63,700	255,800 *	134,800	292,800 *	48
50	80.0	245.8		200,700	56,600	243,300 *	124,400	278,900 *	50
55	78.8	244.8		169,800	41,300	215,900 *	102,100	248,400 *	55
60	77.5	243.7		145,200	28,700	193,000 *	83,900	222,800 *	60
65	76.3	242.5		125,200	18,300	170,900	68,800	201,000 *	65
70	75.1	241.2		108,600	9,500	150,400	56,000	182,200 *	70
75	73.8	239.7		94,600	2,000	133,100	45,100	165,900 *	75
80	72.6	238.1		82,600		118,400	35,600	151,500 *	80
85	71.3	236.4		72,300		105,600	27,300	138,800 *	85
90	70.1	234.6		63,300		94,400	20,000	127,500 *	90
95	68.8	232.7		55,300		84,600	13,600	117,300 *	95
100	67.5	230.6		48,200		75,900	7,800	107,000	100
105	66.2	228.4		41,900		68,100	2,600	97,500	105
110	64.9	226.0		36,200		61,100		89,000	110
115	63.5	223.5		31,100		54,800		81,400	115
120	62.2	220.9		26,400		49,000		74,400	120
125	60.8	218.1		21,800 *		43,800		68,000	125
130	59.4	215.1		17,000 *		38,400 *		62,200	130
135	58.0	212.0		12,600 *		33,200 *		56,400 *	135
140	56.6	208.7				28,400 *		50,700 *	140
145	55.1	205.2				23,900 *		45,400 *	145
150	53.6	201.6				19,700 *		40,400 *	150
155	52.1	197.7				15,800 *		35,800 *	155
160	50.6	193.6				12,200 *		31,500 *	160
165	49.0	189.3						27,500 *	165
170	47.4	184.7						23,700 *	170
175	45.7	179.8						20,100 *	175
180	44.0	174.7						16,500 *	180
185	42.3	169.2						12,800 *	185



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
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. Hanging Counterweight
360 Degree Rating

160 Ft. Luffing Jib 168 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	135,000 Lb. Hanging Counterweight		225,000 Lb. Hanging Counterweight		Boom 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	
260 Ft. BOOM							
40	83.0	267.7	102,300	266,000 *	190,800	266,000 *	40
42	82.5	267.4	91,500	262,400 *	175,000	262,400 *	42
44	82.1	267.1	81,800	258,800 *	160,900	258,800 *	44
46	81.7	266.8	73,000	255,200 *	148,100	255,200 *	46
48	81.2	266.5	65,100	251,600 *	136,600	251,600 *	48
50	80.8	266.2	57,800	242,800 *	126,100	248,000 *	50
55	79.6	265.2	42,300	215,500 *	103,600	239,200 *	55
60	78.5	264.2	29,600	192,500 *	85,200	222,400 *	60
65	77.4	263.1	19,100	171,100	69,900	200,600 *	65
70	76.3	261.9	10,200	150,600	57,000	181,800 *	70
75	75.1	260.5	2,600	133,300	45,900	165,500 *	75
80	74.0	259.1		118,500	36,400	151,200 *	80
85	72.8	257.5		105,700	28,000	138,500 *	85
90	71.7	255.9		94,500	20,700	127,100 *	90
95	70.5	254.1		84,700	14,100	117,000 *	95
100	69.3	252.2		76,000	8,300	107,100	100
105	68.1	250.2		68,200	3,000	97,600	105
110	66.9	248.1		61,100		89,100	110
115	65.7	245.8		54,800		81,400	115
120	64.5	243.4		49,000		74,400	120
125	63.3	240.9		43,800		68,000	125
130	62.0	238.2		38,800 *		62,200	130
135	60.7	235.4		33,500 *		56,700 *	135
140	59.5	232.5		28,600 *		51,000 *	140
145	58.2	229.4		24,100 *		45,700 *	145
150	56.9	226.1		19,900 *		40,700 *	150
155	55.5	222.7		16,000 *		36,100 *	155
160	54.2	219.1		12,400 *		31,800 *	160
165	52.8	215.3				27,700 *	165
170	51.4	211.3				23,900 *	170
175	49.9	207.1				20,300 *	175
180	48.5	202.7				16,900 *	180
185	47.0	198.0				13,700 *	185
190	45.4	193.1				10,700 *	190



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
 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. Hanging Counterweight
 360 Degree Rating

160 Ft. Luffing Jib 168 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	135,000 Lb. Hanging Counterweight		225,000 Lb. Hanging Counterweight		Boom 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	
280 Ft. BOOM							
44	82.7	287.3	83,600	229,000 *	163,200	229,000 *	44
46	82.3	287.1	74,700	225,800 *	150,300	225,800 *	46
48	81.8	286.8	66,700	222,600 *	138,700	222,600 *	48
50	81.4	286.4	59,400	219,400 *	128,000	219,400 *	50
55	80.4	285.6	43,700	211,500 *	105,300	211,500 *	55
60	79.4	284.6	30,800	192,300 *	86,700	203,600 *	60
65	78.3	283.6	20,200	171,500	71,200	195,900 *	65
70	77.3	282.5	11,200	150,900	58,200	181,600 *	70
75	76.2	281.2	3,500	133,600	47,000	165,300 *	75
80	75.1	279.9		118,800	37,300	151,000 *	80
85	74.1	278.5		106,000	28,900	138,300 *	85
90	73.0	276.9		94,800	21,500	127,000 *	90
95	71.9	275.3		84,900	14,900	116,800 *	95
100	70.9	273.6		76,200	8,900	107,300	100
105	69.8	271.7		68,300	3,600	97,800	105
110	68.7	269.7		61,300		89,300	110
115	67.6	267.7		55,000		81,600	115
120	66.4	265.5		49,200		74,600	120
125	65.3	263.2		43,900		68,200	125
130	64.2	260.8		39,100		62,300	130
135	63.0	258.2		33,900 *		56,900	135
140	61.9	255.5		29,100 *		51,500 *	140
145	60.7	252.7		24,500 *		46,100 *	145
150	59.5	249.8		20,300 *		41,100 *	150
155	58.3	246.7		16,300 *		36,500 *	155
160	57.1	243.5		12,700 *		32,100 *	160
165	55.8	240.1				28,000 *	165
170	54.6	236.5				24,200 *	170
175	53.3	232.8				20,600 *	175
180	52.0	228.9				17,200 *	180
185	50.7	224.8				14,000 *	185
190	49.4	220.6				11,000 *	190



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
 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. Hanging Counterweight
 360 Degree Rating

160 Ft. Luffing Jib 168 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	225,000 Lb. Hanging Counterweight	
			Minimum Boom Capacity To Swing and Travel Pounds	Boom Capacity Pounds
300 Ft. BOOM				
55	81.0	305.9	106,200	158,900 *
60	80.1	305.0	87,400	152,900 *
65	79.1	304.0	71,800	146,900 *
70	78.1	303.0	58,600	141,000 *
75	77.1	301.8	47,300	135,200 *
80	76.2	300.6	37,600	129,500 *
85	75.2	299.3	29,100	123,800 *
90	74.2	297.8	21,600	118,300 *
95	73.2	296.3	14,900	112,900 *
100	72.2	294.7	9,000	106,900
105	71.2	293.0	3,600	97,400
110	70.2	291.2		88,900
115	69.1	289.3		81,200
120	68.1	287.3		74,200
125	67.1	285.1		67,800
130	66.0	282.9		62,000
135	65.0	280.6		56,600
140	63.9	278.1		51,400 *
145	62.8	275.6		46,000 *
150	61.7	272.9		40,900 *
155	60.6	270.1		36,300 *
160	59.5	267.1		31,900 *
165	58.4	264.0		27,800 *
170	57.3	260.8		23,900 *
175	56.1	257.5		20,300 *
180	55.0	254.0		16,900 *
185	53.8	250.3		13,700 *
190	52.6	246.5		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
 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. Hanging Counterweight
 360 Degree Rating

170 Ft. Luffing Jib 168 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	0 Lb. Hanging Counterweight	55,000 Lb. Hanging Counterweight		135,000 Lb. Hanging Counterweight		225,000 Lb. Hanging Counterweight		Boom 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	
140 Ft. BOOM										
26	82.7	148.5	409,800 *	81,200	452,200 *	207,300	480,000 *	349,400	480,000 *	26
28	81.9	148.2	377,800 *	65,700	417,400 *	180,600	472,100 *	310,200	480,000 *	28
30	81.1	147.9	349,800 *	52,700	387,000 *	158,300	438,300 *	277,400	480,000 *	30
32	80.2	147.5	325,200 *	41,600	360,100 *	139,300	408,400 *	249,500	462,800 *	32
34	79.4	147.1	302,900 *	32,100	336,200 *	123,000	381,800 *	225,500	433,200 *	34
36	78.6	146.6	272,800	23,800	314,800 *	108,800	358,100 *	204,600	406,700 *	36
38	77.7	146.2	247,000	16,500	295,600 *	96,300	336,700 *	186,200	382,900 *	38
40	76.9	145.7	224,800	10,100	278,200 *	85,200	317,300 *	170,000	361,300 *	40
42	76.0	145.2	205,500	4,400	262,300 *	75,400	299,700 *	155,500	341,700 *	42
44	75.2	144.6	188,600		242,000	66,600	283,600 *	142,500	323,800 *	44
46	74.3	144.0	173,700		224,000	58,600	268,900 *	130,800	307,400 *	46
48	73.5	143.4	160,300		207,900	51,400	255,300 *	120,200	292,300 *	48
50	72.6	142.7	148,400		193,500	44,800	242,800 *	110,500	278,300 *	50
55	70.4	141.0	123,300		163,200	30,700	215,300 *	89,800	247,700 *	55
60	68.2	138.9	103,300		139,200	19,200	189,600	72,800	222,100 *	60
65	66.0	136.7	87,100		119,600	9,600	165,300	58,700	200,300 *	65
70	63.7	134.2	73,700		103,400	1,400	145,200	46,800	181,400 *	70
75	61.4	131.5	62,300		89,700		128,200	36,500	165,100 *	75
80	59.0	128.5	52,600		78,000		113,700	27,600	149,000 *	80
85	56.5	125.2	44,200		67,900		101,200	19,900	132,600 *	85
90	54.0	121.6	36,900		59,100		90,300	13,000	118,100 *	90
95	51.4	117.6	30,500		51,300		80,600	6,900	105,100 *	95
100	48.7	113.2	24,800		44,400		72,100	1,500	93,500 *	100
105	45.9	108.4	18,800 *		38,300		64,500		83,000 *	105
110	42.9	103.1	13,400 *		32,700		57,600		73,400 *	110
115	39.7	97.2			27,500 *		51,400		64,700 *	115
120	36.3	90.5			22,100 *		45,100 *		56,600 *	120



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
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. Hanging Counterweight
360 Degree Rating

170 Ft. Luffing Jib 168 Degree Boom to Luffing Jib Angle

Boom Oper. Feet	Boom Rad. Deg.	Boom Point Elev. Feet	0 Lb. Hanging Counterweight	55,000 Lb. Hanging Counterweight		135,000 Lb. Hanging Counterweight		225,000 Lb. Hanging Counterweight		Boom 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	
160 Ft. BOOM										
28	82.9	168.4	377,900 *	69,100	417,500 *	185,100	472,200 *	315,700	480,000 *	28
30	82.2	168.1	350,000 *	56,000	387,100 *	162,400	438,400 *	282,500	480,000 *	30
32	81.5	167.8	325,400 *	44,800	360,300 *	143,200	408,600 *	254,200	463,000 *	32
34	80.7	167.5	303,500 *	35,100	336,500 *	126,600	382,100 *	229,900	433,500 *	34
36	80.0	167.1	274,900	26,700	315,200 *	112,300	358,400 *	208,700	407,100 *	36
38	79.3	166.7	249,100	19,400	296,000 *	99,600	337,100 *	190,100	383,300 *	38
40	78.6	166.2	226,800	12,800	278,600 *	88,500	317,800 *	173,700	361,800 *	40
42	77.8	165.8	207,500	7,000	262,800 *	78,500	300,200 *	159,100	342,200 *	42
44	77.1	165.3	190,600	1,800	244,000	69,600	284,100 *	146,000	324,300 *	44
46	76.3	164.8	175,600		225,900	61,500	269,400 *	134,100	308,000 *	46
48	75.6	164.3	162,200		209,800	54,200	255,900 *	123,400	292,900 *	48
50	74.9	163.7	150,200		195,300	47,600	243,400 *	113,700	279,000 *	50
55	73.0	162.1	125,100		165,000	33,300	216,000 *	92,700	248,400 *	55
60	71.1	160.4	105,100		140,900	21,700	191,300	75,600	222,800 *	60
65	69.2	158.5	88,800		121,300	12,000	167,000	61,300	201,000 *	65
70	67.2	156.4	75,300		105,100	3,800	146,800	49,300	182,300 *	70
75	65.3	154.1	63,900		91,300		129,900	39,000	165,900 *	75
80	63.3	151.6	54,200		79,600		115,300	30,000	151,600 *	80
85	61.2	148.8	45,800		69,500		102,800	22,200	138,900 *	85
90	59.1	145.8	38,500		60,700		91,800	15,300	126,900	90
95	57.0	142.6	32,000		52,900		82,200	9,200	114,800 *	95
100	54.8	139.1	26,300		46,000		73,600	3,700	102,700 *	100
105	52.6	135.3	20,800 *		39,800		66,000		91,800 *	105
110	50.2	131.1	15,300 *		34,200		59,100		82,000 *	110
115	47.8	126.6	10,300 *		29,200		52,900		73,100 *	115
120	45.3	121.7			24,100 *		47,100 *		64,900 *	120
125	42.7	116.3			19,100 *		41,200 *		57,300 *	125
130	39.9	110.4			14,600 *		35,700 *		50,300 *	130
135	37.0	103.9			10,400 *		30,700 *		43,800 *	135
140	33.8	96.6					26,000 *		37,700 *	140



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
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. Hanging Counterweight
360 Degree Rating

170 Ft. Luffing Jib 168 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	0 Lb. Hanging Counterweight	55,000 Lb. Hanging Counterweight		135,000 Lb. Hanging Counterweight		225,000 Lb. Hanging Counterweight		Boom 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	
180 Ft. BOOM										
32	82.4	188.1	323,000 *	45,700	358,000 *	145,000	406,300 *	257,000	460,600 *	32
34	81.8	187.7	301,200 *	35,800	334,200 *	128,100	379,800 *	232,200	431,200 *	34
36	81.1	187.4	275,500	27,100	312,900 *	113,400	356,100 *	210,600	404,800 *	36
38	80.5	187.1	249,500	19,600	293,700 *	100,500	334,800 *	191,700	381,000 *	38
40	79.8	186.7	227,100	12,900	276,400 *	89,100	315,500 *	174,900	359,500 *	40
42	79.2	186.3	207,600	6,900	260,600 *	78,900	297,900 *	160,000	339,900 *	42
44	78.5	185.8	190,500	1,500	243,900	69,800	281,900 *	146,700	322,100 *	44
46	77.9	185.4	175,400		225,700	61,500	267,200 *	134,600	305,700 *	46
48	77.2	184.9	161,900		209,500	54,100	253,700 *	123,700	290,600 *	48
50	76.6	184.4	149,900		195,000	47,300	241,200 *	113,800	276,700 *	50
55	74.9	183.1	124,500		164,500	32,700	213,800 *	92,400	246,200 *	55
60	73.3	181.5	104,300		140,200	20,800	190,600	75,000	220,600 *	60
65	71.6	179.9	88,000		120,500	10,900	166,200	60,500	198,800 *	65
70	69.9	178.0	74,300		104,100	2,500	145,900	48,300	180,100 *	70
75	68.2	176.0	62,900		90,300		128,800	37,800	163,700 *	75
80	66.4	173.8	53,100		78,500		114,200	28,700	149,400 *	80
85	64.7	171.5	44,600		68,300		101,600	20,700	136,700 *	85
90	62.9	168.9	37,200		59,400		90,500	13,700	125,300 *	90
95	61.1	166.1	30,700		51,500		80,800	7,500	113,800	95
100	59.2	163.2	24,900		44,500		72,200	1,900	103,300	100
105	57.3	160.0	18,800 *		38,300		64,500		94,000	105
110	55.4	156.5	13,200 *		32,700		57,600		85,500	110
115	53.4	152.8			27,400 *		51,300		76,300 *	115
120	51.4	148.8			21,900 *		45,000 *		67,900 *	120
125	49.3	144.6			16,900 *		39,000 *		60,100 *	125
130	47.1	139.9			12,300 *		33,500 *		53,000 *	130
135	44.9	134.9					28,400 *		46,400 *	135
140	42.5	129.5					23,700 *		40,300 *	140
145	40.1	123.7					19,300 *		34,500 *	145
150	37.5	117.2					15,300 *		29,200 *	150
155	34.7	110.1					11,500 *		24,100 *	155



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
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. Hanging Counterweight
360 Degree Rating

170 Ft. Luffing Jib 168 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	0 Lb. Hanging Counterweight	55,000 Lb. Hanging Counterweight		135,000 Lb. Hanging Counterweight		225,000 Lb. Hanging Counterweight		Boom 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	
200 Ft. BOOM										
34	82.6	208.0	301,400 *	39,100	334,400 *	132,200	380,000 *	237,100	431,400 *	34
36	82.0	207.7	277,700	30,200	313,100 *	117,200	356,400 *	215,200	405,000 *	36
38	81.5	207.4	251,500	22,500	294,000 *	104,000	335,000 *	196,000	381,300 *	38
40	80.9	207.0	229,000	15,600	276,600 *	92,400	315,800 *	179,000	359,800 *	40
42	80.3	206.6	209,500	9,500	260,900 *	82,100	298,200 *	163,800	340,200 *	42
44	79.7	206.3	192,300	4,100	245,700	72,800	282,200 *	150,300	322,400 *	44
46	79.1	205.9	177,100		227,400	64,400	267,500 *	138,000	306,000 *	46
48	78.5	205.4	163,600		211,200	56,800	254,000 *	127,000	291,000 *	48
50	78.0	205.0	151,400		196,600	49,900	241,500 *	116,900	277,000 *	50
55	76.5	203.8	126,000		165,900	35,100	214,100 *	95,200	246,600 *	55
60	75.0	202.4	105,700		141,600	23,000	191,100 *	77,500	221,000 *	60
65	73.5	200.9	89,200		121,700	12,900	167,400	62,800	199,200 *	65
70	72.0	199.3	75,500		105,300	4,400	147,100	50,400	180,400 *	70
75	70.5	197.5	64,000		91,400		129,900	39,700	164,100 *	75
80	68.9	195.6	54,100		79,500		115,300	30,500	149,700 *	80
85	67.4	193.5	45,600		69,300		102,600	22,500	137,000 *	85
90	65.8	191.3	38,200		60,300		91,500	15,400	125,700 *	90
95	64.2	188.8	31,600		52,500		81,800	9,100	114,700	95
100	62.6	186.2	25,800		45,500		73,100	3,400	104,200	100
105	61.0	183.5	20,100 *		39,200		65,400		94,800	105
110	59.3	180.5	14,500 *		33,600		58,400		86,400	110
115	57.6	177.3			28,500		52,100		78,800	115
120	55.9	173.9			23,100 *		46,200 *		71,800	120
125	54.1	170.3			18,000 *		40,200 *		65,100 *	125
130	52.3	166.5			13,400 *		34,600 *		58,300 *	130
135	50.4	162.4					29,500 *		51,600 *	135
140	48.5	158.0					24,800 *		45,300 *	140
145	46.6	153.2					20,400 *		39,500 *	145
150	44.5	148.2					16,300 *		34,000 *	150
155	42.4	142.8					12,400 *		29,000 *	155
160	40.2	136.9							24,200 *	160
165	37.9	130.6							19,700 *	165
170	35.5	123.6							15,400 *	170



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
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. Hanging Counterweight
360 Degree Rating

170 Ft. Luffing Jib 168 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	55,000 Lb. Hanging Counterweight		135,000 Lb. Hanging Counterweight		225,000 Lb. Hanging Counterweight		Boom 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	
220 Ft. BOOM									
36	82.8	227.9	32,700	313,100 *	120,400	348,800 *	219,200	348,800 *	36
38	82.2	227.6	24,800	294,000 *	107,000	335,100 *	199,700	348,800 *	38
40	81.7	227.3	17,900	276,700 *	95,200	315,800 *	182,500	348,800 *	40
42	81.2	227.0	11,600	260,900 *	84,700	298,300 *	167,100	340,300 *	42
44	80.7	226.6	6,100	246,500 *	75,300	282,300 *	153,400	322,400 *	44
46	80.1	226.2	1,000	228,700	66,800	267,600 *	141,000	306,100 *	46
48	79.6	225.9		212,300	59,100	254,100 *	129,700	291,100 *	48
50	79.1	225.5		197,700	52,100	241,600 *	119,500	277,200 *	50
55	77.7	224.4		167,000	37,100	214,300 *	97,600	246,700 *	55
60	76.4	223.1		142,600	24,800	191,300 *	79,700	221,100 *	60
65	75.0	221.8		122,700	14,600	168,400	64,800	199,400 *	65
70	73.7	220.3		106,200	6,000	148,000	52,200	180,600 *	70
75	72.3	218.7		92,300		130,800	41,500	164,300 *	75
80	70.9	217.0		80,400		116,100	32,200	150,000 *	80
85	69.5	215.1		70,100		103,400	24,000	137,300 *	85
90	68.1	213.1		61,100		92,300	16,800	126,000 *	90
95	66.7	211.0		53,200		82,500	10,500	115,500	95
100	65.3	208.6		46,200		73,900	4,800	105,000	100
105	63.8	206.2		39,900		66,100		95,600	105
110	62.4	203.6		34,300		59,100		87,100	110
115	60.9	200.8		29,200		52,800		79,400	115
120	59.4	197.8		24,200 *		47,100		72,500	120
125	57.8	194.7		19,100 *		41,300 *		66,200	125
130	56.3	191.3		14,400 *		35,700 *		59,700 *	130
135	54.7	187.8		10,100 *		30,600 *		53,600 *	135
140	53.0	184.0				25,800 *		48,000 *	140
145	51.4	180.1				21,400 *		42,700 *	145
150	49.7	175.8				17,200 *		37,900 *	150
155	47.9	171.3				13,400 *		33,100 *	155
160	46.1	166.5						28,200 *	160
165	44.3	161.4						23,700 *	165
170	42.3	156.0						19,400 *	170
175	40.3	150.2						15,400 *	175
180	38.2	143.9						11,500 *	180



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
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. Hanging Counterweight
360 Degree Rating

170 Ft. Luffing Jib 168 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	55,000 Lb. Hanging Counterweight		135,000 Lb. Hanging Counterweight		225,000 Lb. Hanging Counterweight		Boom 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	
240 Ft. BOOM									
38	82.9	247.8	26,900	294,000 *	109,700	323,700 *	203,000	323,700 *	38
40	82.4	247.5	19,800	276,700 *	97,800	315,800 *	185,600	323,700 *	40
42	81.9	247.2	13,500	260,900 *	87,100	298,300 *	170,100	323,700 *	42
44	81.4	246.9	7,900	246,600 *	77,600	282,300 *	156,200	322,500 *	44
46	81.0	246.6	2,800	229,600	69,000	267,600 *	143,600	306,100 *	46
48	80.5	246.2		213,200	61,200	254,100 *	132,300	291,100 *	48
50	80.0	245.8		198,600	54,100	241,700 *	121,900	277,200 *	50
55	78.8	244.8		167,800	38,900	214,300 *	99,800	246,800 *	55
60	77.5	243.7		143,300	26,500	191,400 *	81,700	221,200 *	60
65	76.3	242.5		123,400	16,100	169,100	66,600	199,500 *	65
70	75.1	241.2		106,900	7,400	148,700	53,900	180,700 *	70
75	73.8	239.7		92,900		131,400	43,000	164,400 *	75
80	72.6	238.1		81,000		116,700	33,600	150,100 *	80
85	71.3	236.4		70,700		104,000	25,300	137,400 *	85
90	70.1	234.6		61,700		92,900	18,100	126,100 *	90
95	68.8	232.7		53,800		83,100	11,600	116,000 *	95
100	67.5	230.6		46,700		74,400	5,900	105,500	100
105	66.2	228.4		40,500		66,600	700	96,100	105
110	64.9	226.0		34,800		59,700		87,600	110
115	63.5	223.5		29,700		53,300		79,900	115
120	62.2	220.9		25,000		47,600		73,000	120
125	60.8	218.1		20,000 *		42,300 *		66,600	125
130	59.4	215.1		15,200 *		36,700 *		60,800 *	130
135	58.0	212.0		10,900 *		31,500 *		54,600 *	135
140	56.6	208.7				26,600 *		48,900 *	140
145	55.1	205.2				22,200 *		43,600 *	145
150	53.6	201.6				18,000 *		38,700 *	150
155	52.1	197.7				14,100 *		34,100 *	155
160	50.6	193.6				10,500 *		29,800 *	160
165	49.0	189.3						25,800 *	165
170	47.4	184.7						22,100 *	170
175	45.7	179.8						18,500 *	175
180	44.0	174.7						14,800 *	180
185	42.3	169.2						11,200 *	185



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
 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. Hanging Counterweight
 360 Degree Rating

170 Ft. Luffing Jib 168 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	135,000 Lb. Hanging Counterweight		225,000 Lb. Hanging Counterweight		Boom 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	
260 Ft. BOOM							
40	83.0	267.7	99,600	264,500 *	188,100	264,500 *	40
42	82.5	267.4	88,800	260,900 *	172,400	260,900 *	42
44	82.1	267.1	79,200	257,300 *	158,300	257,300 *	44
46	81.7	266.8	70,500	253,700 *	145,600	253,700 *	46
48	81.2	266.5	62,600	250,100 *	134,100	250,100 *	48
50	80.8	266.2	55,400	241,200 *	123,700	246,600 *	50
55	79.6	265.2	40,000	213,900 *	101,300	237,800 *	55
60	78.5	264.2	27,400	191,000 *	82,900	220,800 *	60
65	77.4	263.1	17,000	169,300	67,700	199,100 *	65
70	76.3	261.9	8,200	148,900	54,900	180,400 *	70
75	75.1	260.5	600	131,600	43,900	164,100 *	75
80	74.0	259.1		116,900	34,400	149,800 *	80
85	72.8	257.5		104,100	26,100	137,100 *	85
90	71.7	255.9		93,000	18,800	125,800 *	90
95	70.5	254.1		83,200	12,300	115,700 *	95
100	69.3	252.2		74,500	6,500	105,600	100
105	68.1	250.2		66,700	1,200	96,200	105
110	66.9	248.1		59,700		87,700	110
115	65.7	245.8		53,400		80,000	115
120	64.5	243.4		47,700		73,100	120
125	63.3	240.9		42,400		66,700	125
130	62.0	238.2		37,100 *		60,900	130
135	60.7	235.4		31,800 *		55,100 *	135
140	59.5	232.5		27,000 *		49,300 *	140
145	58.2	229.4		22,500 *		44,000 *	145
150	56.9	226.1		18,300 *		39,100 *	150
155	55.5	222.7		14,400 *		34,500 *	155
160	54.2	219.1		10,700 *		30,100 *	160
165	52.8	215.3				26,100 *	165
170	51.4	211.3				22,300 *	170
175	49.9	207.1				18,700 *	175
180	48.5	202.7				15,400 *	180
185	47.0	198.0				12,200 *	185



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
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. Hanging Counterweight
360 Degree Rating

170 Ft. Luffing Jib 168 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	135,000 Lb. Hanging Counterweight		225,000 Lb. Hanging Counterweight		Boom 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	
280 Ft. BOOM							
44	82.7	287.3	81,100	227,400 *	160,700	227,400 *	44
46	82.3	287.1	72,300	224,200 *	147,900	224,200 *	46
48	81.8	286.8	64,300	221,000 *	136,300	221,000 *	48
50	81.4	286.4	57,000	217,800 *	125,700	217,800 *	50
55	80.4	285.6	41,400	209,800 *	103,000	209,800 *	55
60	79.4	284.6	28,700	190,800 *	84,500	202,000 *	60
65	78.3	283.6	18,100	169,800	69,100	194,300 *	65
70	77.3	282.5	9,200	149,300	56,200	180,200 *	70
75	76.2	281.2	1,500	132,000	45,000	163,900 *	75
80	75.1	279.9		117,200	35,400	149,600 *	80
85	74.1	278.5		104,500	27,000	137,000 *	85
90	73.0	276.9		93,300	19,600	125,700 *	90
95	71.9	275.3		83,500	13,100	115,500 *	95
100	70.9	273.6		74,800	7,200	105,900	100
105	69.8	271.7		67,000	1,900	96,400	105
110	68.7	269.7		60,000		87,900	110
115	67.6	267.7		53,600		80,200	115
120	66.4	265.5		47,900		73,300	120
125	65.3	263.2		42,600		66,900	125
130	64.2	260.8		37,600 *		61,100	130
135	63.0	258.2		32,300 *		55,600 *	135
140	61.9	255.5		27,400 *		49,900 *	140
145	60.7	252.7		22,900 *		44,500 *	145
150	59.5	249.8		18,700 *		39,500 *	150
155	58.3	246.7		14,800 *		34,900 *	155
160	57.1	243.5		11,100 *		30,600 *	160
165	55.8	240.1				26,500 *	165
170	54.6	236.5				22,700 *	170
175	53.3	232.8				19,100 *	175
180	52.0	228.9				15,700 *	180
185	50.7	224.8				12,500 *	185



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
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. Hanging Counterweight
360 Degree Rating

170 Ft. Luffing Jib 168 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	225,000 Lb. Hanging Counterweight	
			Minimum Boom Capacity To Swing and Travel Pounds	Boom Capacity Pounds
300 Ft. BOOM				
55	81.0	305.9	104,000	157,400 *
60	80.1	305.0	85,300	151,400 *
65	79.1	304.0	69,700	145,400 *
70	78.1	303.0	56,600	139,500 *
75	77.1	301.8	45,400	133,700 *
80	76.2	300.6	35,700	128,000 *
85	75.2	299.3	27,300	122,400 *
90	74.2	297.8	19,800	116,800 *
95	73.2	296.3	13,200	111,400 *
100	72.2	294.7	7,300	105,600
105	71.2	293.0	1,900	96,100
110	70.2	291.2		87,600
115	69.1	289.3		79,900
120	68.1	287.3		72,900
125	67.1	285.1		66,600
130	66.0	282.9		60,700
135	65.0	280.6		55,400
140	63.9	278.1		49,800 *
145	62.8	275.6		44,400 *
150	61.7	272.9		39,400 *
155	60.6	270.1		34,800 *
160	59.5	267.1		30,400 *
165	58.4	264.0		26,300 *
170	57.3	260.8		22,500 *
175	56.1	257.5		18,900 *
180	55.0	254.0		15,500 *
185	53.8	250.3		12,200 *



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
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. Hanging Counterweight
360 Degree Rating

180 Ft. Luffing Jib 168 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	0 Lb. Hanging Counterweight	55,000 Lb. Hanging Counterweight		135,000 Lb. Hanging Counterweight		225,000 Lb. Hanging Counterweight		Boom 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	
140 Ft. BOOM										
26	82.7	148.5	406,500 *	75,900	448,900 *	202,000	480,000 *	344,100	480,000 *	26
28	81.9	148.2	374,600 *	60,500	414,200 *	175,500	468,900 *	305,100	480,000 *	28
30	81.1	147.9	346,600 *	47,700	383,800 *	153,300	435,100 *	272,400	480,000 *	30
32	80.2	147.5	322,000 *	36,800	356,900 *	134,500	405,200 *	244,600	459,600 *	32
34	79.4	147.1	298,000 *	27,300	333,100 *	118,200	378,700 *	220,700	430,100 *	34
36	78.6	146.6	268,500	19,100	311,800 *	104,100	355,000 *	199,900	403,600 *	36
38	77.7	146.2	242,900	12,000	292,500 *	91,700	333,600 *	181,600	379,800 *	38
40	76.9	145.7	220,800	5,600	275,200 *	80,700	314,300 *	165,400	358,300 *	40
42	76.0	145.2	201,700		258,600	70,900	296,700 *	151,000	338,700 *	42
44	75.2	144.6	184,800		238,200	62,200	280,600 *	138,100	320,800 *	44
46	74.3	144.0	169,900		220,300	54,300	265,900 *	126,500	304,400 *	46
48	73.5	143.4	156,700		204,300	47,100	252,400 *	115,900	289,300 *	48
50	72.6	142.7	144,800		189,900	40,600	239,900 *	106,300	275,400 *	50
55	70.4	141.0	119,800		159,800	26,600	212,400 *	85,600	244,900 *	55
60	68.2	138.9	100,000		135,800	15,100	186,200	68,800	219,200 *	60
65	66.0	136.7	83,900		116,400	5,500	162,100	54,700	197,400 *	65
70	63.7	134.2	70,500		100,200		142,000	42,800	178,700 *	70
75	61.4	131.5	59,200		86,600		125,100	32,600	162,300 *	75
80	59.0	128.5	49,500		74,900		110,700	23,800	145,100 *	80
85	56.5	125.2	41,200		64,900		98,200	16,100	128,700 *	85
90	54.0	121.6	33,900		56,100		87,300	9,200	114,200 *	90
95	51.4	117.6	27,500		48,400		77,700	3,200	101,300 *	95
100	48.7	113.2	21,100 *		41,500		69,200		89,700 *	100
105	45.9	108.4	15,100 *		35,400		61,600		79,300 *	105
110	42.9	103.1			29,700 *		54,700		69,700 *	110
115	39.7	97.2			23,800 *		47,800 *		61,000 *	115
120	36.3	90.5			18,500 *		41,400 *		52,900 *	120



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
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. Hanging Counterweight
360 Degree Rating

180 Ft. Luffing Jib 168 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	0 Lb. Hanging Counterweight	55,000 Lb. Hanging Counterweight		135,000 Lb. Hanging Counterweight		225,000 Lb. Hanging Counterweight		Boom 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	
160 Ft. BOOM										
28	82.9	168.4	374,800 *	64,200	414,400 *	180,200	469,100 *	310,800	480,000 *	28
30	82.2	168.1	346,900 *	51,200	384,100 *	157,700	435,400 *	277,700	480,000 *	30
32	81.5	167.8	322,400 *	40,100	357,300 *	138,600	405,600 *	249,600	460,000 *	32
34	80.7	167.5	300,500 *	30,600	333,500 *	122,100	379,200 *	225,300	430,500 *	34
36	80.0	167.1	270,900	22,300	312,200 *	107,800	355,500 *	204,300	404,100 *	36
38	79.3	166.7	245,200	15,000	293,100 *	95,300	334,200 *	185,800	380,400 *	38
40	78.6	166.2	223,100	8,600	275,700 *	84,200	314,900 *	169,400	358,900 *	40
42	77.8	165.8	203,800	2,800	260,000 *	74,300	297,300 *	154,900	339,300 *	42
44	77.1	165.3	187,000		240,400	65,400	281,300 *	141,800	321,500 *	44
46	76.3	164.8	172,000		222,400	57,400	266,600 *	130,000	305,100 *	46
48	75.6	164.3	158,700		206,300	50,200	253,100 *	119,400	290,100 *	48
50	74.9	163.7	146,800		191,900	43,600	240,600 *	109,700	276,200 *	50
55	73.0	162.1	121,800		161,800	29,400	213,300 *	88,800	245,700 *	55
60	71.1	160.4	101,900		137,800	17,800	188,200	71,800	220,100 *	60
65	69.2	158.5	85,700		118,200	8,200	163,900	57,600	198,400 *	65
70	67.2	156.4	72,300		102,000	100	143,800	45,600	179,600 *	70
75	65.3	154.1	61,000		88,400		126,900	35,300	163,300 *	75
80	63.3	151.6	51,300		76,700		112,400	26,400	149,000 *	80
85	61.2	148.8	43,000		66,600		99,900	18,600	136,300 *	85
90	59.1	145.8	35,700		57,800		89,000	11,700	124,100	90
95	57.0	142.6	29,300		50,100		79,400	5,600	111,200 *	95
100	54.8	139.1	23,400 *		43,200		70,900	200	99,200 *	100
105	52.6	135.3	17,300 *		37,100		63,300		88,300 *	105
110	50.2	131.1	11,800 *		31,600		56,400		78,500 *	110
115	47.8	126.6			26,000 *		50,100 *		69,600 *	115
120	45.3	121.7			20,600 *		43,700 *		61,400 *	120
125	42.7	116.3			15,700 *		37,800 *		53,900 *	125
130	39.9	110.4			11,200 *		32,300 *		46,900 *	130
135	37.0	103.9					27,300 *		40,400 *	135
140	33.8	96.6					22,700 *		34,400 *	140



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
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. Hanging Counterweight
360 Degree Rating

180 Ft. Luffing Jib 168 Degree Boom to Luffing Jib Angle

Boom Oper. Feet	Boom Rad. Deg.	Boom Point Elev. Feet	0 Lb. Hanging Counterweight	55,000 Lb. Hanging Counterweight		135,000 Lb. Hanging Counterweight		225,000 Lb. Hanging Counterweight		Boom 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	
180 Ft. BOOM										
32	82.4	188.1	320,100 *	41,300	355,100 *	140,600	403,400 *	252,500	457,700 *	32
34	81.8	187.7	298,300 *	31,400	331,300 *	123,800	376,900 *	227,800	428,300 *	34
36	81.1	187.4	271,600	22,900	310,000 *	109,100	353,300 *	206,400	401,900 *	36
38	80.5	187.1	245,700	15,400	290,900 *	96,300	332,000 *	187,500	378,200 *	38
40	79.8	186.7	223,500	8,800	273,600 *	85,000	312,700 *	170,900	356,700 *	40
42	79.2	186.3	204,100	2,900	257,800 *	74,800	295,200 *	156,000	337,200 *	42
44	78.5	185.8	187,100		240,500	65,800	279,200 *	142,700	319,400 *	44
46	77.9	185.4	172,000		222,400	57,600	264,500 *	130,700	303,000 *	46
48	77.2	184.9	158,600		206,200	50,200	251,000 *	119,900	288,000 *	48
50	76.6	184.4	146,600		191,700	43,500	238,500 *	110,000	274,100 *	50
55	74.9	183.1	121,400		161,300	29,000	211,200 *	88,700	243,600 *	55
60	73.3	181.5	101,300		137,200	17,200	187,600	71,400	218,000 *	60
65	71.6	179.9	85,000		117,500	7,300	163,200	56,900	196,300 *	65
70	69.9	178.0	71,500		101,200		143,000	44,700	177,500 *	70
75	68.2	176.0	60,100		87,500		126,000	34,300	161,200 *	75
80	66.4	173.8	50,300		75,700		111,400	25,200	146,900 *	80
85	64.7	171.5	41,900		65,600		98,800	17,300	134,200 *	85
90	62.9	168.9	34,500		56,700		87,900	10,400	122,900 *	90
95	61.1	166.1	28,000		48,900		78,200	4,200	111,200	95
100	59.2	163.2	21,600 *		41,900		69,600		100,700	100
105	57.3	160.0	15,500 *		35,800		61,900		91,400	105
110	55.4	156.5			30,000 *		55,000		82,300 *	110
115	53.4	152.8			24,100 *		48,200 *		73,100 *	115
120	51.4	148.8			18,600 *		41,700 *		64,600 *	120
125	49.3	144.6			13,600 *		35,700 *		56,900 *	125
130	47.1	139.9					30,300 *		49,800 *	130
135	44.9	134.9					25,200 *		43,200 *	135
140	42.5	129.5					20,500 *		37,100 *	140
145	40.1	123.7					16,200 *		31,400 *	145
150	37.5	117.2					12,100 *		26,000 *	150
155	34.7	110.1							21,000 *	155



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
 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. Hanging Counterweight
 360 Degree Rating

180 Ft. Luffing Jib 168 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	0 Lb. Hanging Counterweight	55,000 Lb. Hanging Counterweight		135,000 Lb. Hanging Counterweight		225,000 Lb. Hanging Counterweight		Boom 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	
200 Ft. BOOM										
34	82.6	208.0	298,600 *	34,900	331,600 *	128,000	377,200 *	232,900	428,600 *	34
36	82.0	207.7	274,000	26,100	310,400 *	113,100	353,600 *	211,100	402,200 *	36
38	81.5	207.4	247,900	18,500	291,200 *	100,000	332,300 *	192,000	378,500 *	38
40	80.9	207.0	225,600	11,700	273,900 *	88,500	313,100 *	175,000	357,100 *	40
42	80.3	206.6	206,100	5,600	258,200 *	78,200	295,500 *	160,000	337,600 *	42
44	79.7	206.3	189,000	200	242,400	69,000	279,500 *	146,400	319,700 *	44
46	79.1	205.9	173,900		224,200	60,600	264,900 *	134,300	303,400 *	46
48	78.5	205.4	160,400		208,000	53,100	251,400 *	123,200	288,400 *	48
50	78.0	205.0	148,300		193,400	46,300	238,900 *	113,200	274,500 *	50
55	76.5	203.8	123,000		162,900	31,500	211,600 *	91,600	244,000 *	55
60	75.0	202.4	102,800		138,700	19,500	188,600 *	74,000	218,500 *	60
65	73.5	200.9	86,400		118,900	9,500	164,600	59,400	196,700 *	65
70	72.0	199.3	72,800		102,500	1,000	144,300	47,000	178,000 *	70
75	70.5	197.5	61,300		88,700		127,200	36,400	161,700 *	75
80	68.9	195.6	51,500		76,900		112,600	27,200	147,400 *	80
85	67.4	193.5	43,000		66,700		100,000	19,200	134,700 *	85
90	65.8	191.3	35,600		57,800		89,000	12,100	123,400 *	90
95	64.2	188.8	29,100		49,900		79,200	5,900	112,200	95
100	62.6	186.2	23,100 *		43,000		70,600	200	101,700	100
105	61.0	183.5	16,900 *		36,700		62,900		92,400	105
110	59.3	180.5	11,300 *		31,100		56,000		83,900	110
115	57.6	177.3			25,400 *		49,700 *		76,300	115
120	55.9	173.9			19,900 *		43,100 *		69,200 *	120
125	54.1	170.3			14,900 *		37,100 *		62,000 *	125
130	52.3	166.5			10,300 *		31,600 *		55,200 *	130
135	50.4	162.4					26,400 *		48,500 *	135
140	48.5	158.0					21,700 *		42,200 *	140
145	46.6	153.2					17,300 *		36,400 *	145
150	44.5	148.2					13,200 *		31,000 *	150
155	42.4	142.8							25,900 *	155
160	40.2	136.9							21,200 *	160
165	37.9	130.6							16,700 *	165
170	35.5	123.6							12,400 *	170



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
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. Hanging Counterweight
360 Degree Rating

180 Ft. Luffing Jib 168 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	55,000 Lb. Hanging Counterweight		135,000 Lb. Hanging Counterweight		225,000 Lb. Hanging Counterweight		Boom 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	
220 Ft. BOOM									
36	82.8	227.9	28,700	310,400 *	116,400	345,800 *	215,200	345,800 *	36
38	82.2	227.6	20,900	291,300 *	103,100	332,400 *	195,800	345,800 *	38
40	81.7	227.3	14,000	274,000 *	91,400	313,200 *	178,700	345,800 *	40
42	81.2	227.0	7,900	258,300 *	81,000	295,700 *	163,400	337,700 *	42
44	80.7	226.6	2,400	243,800	71,600	279,700 *	149,700	319,900 *	44
46	80.1	226.2		225,500	63,200	265,000 *	137,300	303,600 *	46
48	79.6	225.9		209,300	55,500	251,600 *	126,100	288,500 *	48
50	79.1	225.5		194,700	48,600	239,100 *	116,000	274,700 *	50
55	77.7	224.4		164,100	33,700	211,800 *	94,100	244,200 *	55
60	76.4	223.1		139,800	21,500	188,900 *	76,300	218,700 *	60
65	75.0	221.8		120,000	11,300	165,700	61,500	197,000 *	65
70	73.7	220.3		103,500	2,800	145,300	49,000	178,300 *	70
75	72.3	218.7		89,700		128,200	38,300	162,000 *	75
80	70.9	217.0		77,800		113,600	29,000	147,700 *	80
85	69.5	215.1		67,600		100,900	20,900	135,000 *	85
90	68.1	213.1		58,700		89,800	13,700	123,700 *	90
95	66.7	211.0		50,800		80,100	7,400	113,100	95
100	65.3	208.6		43,800		71,500	1,700	102,600	100
105	63.8	206.2		37,600		63,700		93,200	105
110	62.4	203.6		31,900		56,800		84,700	110
115	60.9	200.8		26,700 *		50,500		77,100	115
120	59.4	197.8		21,200 *		44,400 *		70,200	120
125	57.8	194.7		16,100 *		38,300 *		63,400 *	125
130	56.3	191.3		11,400 *		32,800 *		56,800 *	130
135	54.7	187.8				27,600 *		50,700 *	135
140	53.0	184.0				22,800 *		45,000 *	140
145	51.4	180.1				18,400 *		39,800 *	145
150	49.7	175.8				14,300 *		35,000 *	150
155	47.9	171.3				10,500 *		30,200 *	155
160	46.1	166.5						25,400 *	160
165	44.3	161.4						20,800 *	165
170	42.3	156.0						16,600 *	170
175	40.3	150.2						12,500 *	175



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
 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. Hanging Counterweight
 360 Degree Rating

180 Ft. Luffing Jib 168 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	55,000 Lb. Hanging Counterweight		135,000 Lb. Hanging Counterweight		225,000 Lb. Hanging Counterweight		Boom 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	
240 Ft. BOOM									
38	82.9	247.8	23,100	291,400 *	105,900	320,000 *	199,300	320,000 *	38
40	82.4	247.5	16,100	274,100 *	94,000	313,200 *	181,900	320,000 *	40
42	81.9	247.2	9,900	258,400 *	83,500	295,700 *	166,400	320,000 *	42
44	81.4	246.9	4,300	244,000 *	74,000	279,800 *	152,600	320,000 *	44
46	81.0	246.6		226,600	65,400	265,100 *	140,100	303,600 *	46
48	80.5	246.2		210,300	57,700	251,700 *	128,800	288,600 *	48
50	80.0	245.8		195,700	50,700	239,200 *	118,500	274,800 *	50
55	78.8	244.8		165,000	35,500	211,900 *	96,400	244,400 *	55
60	77.5	243.7		140,600	23,200	189,000 *	78,400	218,900 *	60
65	76.3	242.5		120,800	12,900	166,500	63,400	197,200 *	65
70	75.1	241.2		104,300	4,200	146,100	50,700	178,500 *	70
75	73.8	239.7		90,400		128,900	39,900	162,200 *	75
80	72.6	238.1		78,500		114,300	30,500	147,900 *	80
85	71.3	236.4		68,300		101,600	22,300	135,200 *	85
90	70.1	234.6		59,300		90,500	15,100	123,900 *	90
95	68.8	232.7		51,400		80,700	8,700	113,700	95
100	67.5	230.6		44,400		72,100	2,900	103,200	100
105	66.2	228.4		38,200		64,300		93,800	105
110	64.9	226.0		32,500		57,400		85,300	110
115	63.5	223.5		27,400		51,100		77,700	115
120	62.2	220.9		22,200 *		45,400		70,800	120
125	60.8	218.1		17,100 *		39,400 *		64,400	125
130	59.4	215.1		12,400 *		33,800 *		57,900 *	130
135	58.0	212.0				28,600 *		51,700 *	135
140	56.6	208.7				23,800 *		46,100 *	140
145	55.1	205.2				19,300 *		40,800 *	145
150	53.6	201.6				15,200 *		35,900 *	150
155	52.1	197.7				11,300 *		31,300 *	155
160	50.6	193.6						27,100 *	160
165	49.0	189.3						23,100 *	165
170	47.4	184.7						19,300 *	170
175	45.7	179.8						15,700 *	175
180	44.0	174.7						12,100 *	180



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
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. Hanging Counterweight
360 Degree Rating

180 Ft. Luffing Jib 168 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	135,000 Lb. Hanging Counterweight		225,000 Lb. Hanging Counterweight		Boom 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	
260 Ft. BOOM							
40	83.0	267.7	96,000	262,200 *	184,500	262,200 *	40
42	82.5	267.4	85,300	258,600 *	168,800	258,600 *	42
44	82.1	267.1	75,700	255,000 *	154,800	255,000 *	44
46	81.7	266.8	67,000	251,400 *	142,200	251,400 *	46
48	81.2	266.5	59,200	247,800 *	130,700	247,800 *	48
50	80.8	266.2	52,100	238,800 *	120,300	244,300 *	50
55	79.6	265.2	36,800	211,600 *	98,000	235,500 *	55
60	78.5	264.2	24,300	188,700 *	79,800	218,500 *	60
65	77.4	263.1	13,900	166,800	64,600	196,900 *	65
70	76.3	261.9	5,100	146,400	51,800	178,200 *	70
75	75.1	260.5		129,200	40,900	161,900 *	75
80	74.0	259.1		114,500	31,400	147,600 *	80
85	72.8	257.5		101,800	23,100	135,000 *	85
90	71.7	255.9		90,700	15,900	123,700 *	90
95	70.5	254.1		80,900	9,400	113,600 *	95
100	69.3	252.2		72,300	3,600	103,400	100
105	68.1	250.2		64,500		94,000	105
110	66.9	248.1		57,500		85,500	110
115	65.7	245.8		51,200		77,800	115
120	64.5	243.4		45,500		70,900	120
125	63.3	240.9		39,900 *		64,600	125
130	62.0	238.2		34,300 *		58,400 *	130
135	60.7	235.4		29,000 *		52,300 *	135
140	59.5	232.5		24,200 *		46,600 *	140
145	58.2	229.4		19,700 *		41,300 *	145
150	56.9	226.1		15,600 *		36,300 *	150
155	55.5	222.7		11,700 *		31,700 *	155
160	54.2	219.1				27,400 *	160
165	52.8	215.3				23,400 *	165
170	51.4	211.3				19,600 *	170
175	49.9	207.1				16,100 *	175
180	48.5	202.7				12,700 *	180



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
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. Hanging Counterweight
360 Degree Rating

**180 Ft. Luffing Jib
168 Degree Boom to Luffing Jib Angle**

Boom Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	225,000 Lb. Hanging Counterweight	
			Minimum Boom Capacity To Swing and Travel Pounds	Boom Capacity Pounds
280 Ft. BOOM				
44	82.7	287.3	157,300	224,900 *
46	82.3	287.1	144,500	221,700 *
48	81.8	286.8	132,900	218,500 *
50	81.4	286.4	122,400	215,300 *
55	80.4	285.6	99,800	207,400 *
60	79.4	284.6	81,400	199,600 *
65	78.3	283.6	66,100	191,900 *
70	77.3	282.5	53,200	178,100 *
75	76.2	281.2	42,100	161,800 *
80	75.1	279.9	32,500	147,500 *
85	74.1	278.5	24,200	134,900 *
90	73.0	276.9	16,800	123,600 *
95	71.9	275.3	10,200	113,500 *
100	70.9	273.6	4,400	103,700
105	69.8	271.7		94,200
110	68.7	269.7		85,800
115	67.6	267.7		78,100
120	66.4	265.5		71,100
125	65.3	263.2		64,800
130	64.2	260.8		59,000
135	63.0	258.2		52,900 *
140	61.9	255.5		47,200 *
145	60.7	252.7		41,800 *
150	59.5	249.8		36,900 *
155	58.3	246.7		32,200 *
160	57.1	243.5		27,900 *
165	55.8	240.1		23,900 *
170	54.6	236.5		20,100 *
175	53.3	232.8		16,500 *
180	52.0	228.9		13,100 *

**180 Ft. Luffing Jib
168 Degree Boom to Luffing Jib Angle**

Boom Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	225,000 Lb. Hanging Counterweight	
			Minimum Boom Capacity To Swing and Travel Pounds	Boom Capacity Pounds
300 Ft. BOOM				
55	81.0	305.9	100,800	155,100 *
60	80.1	305.0	82,200	149,100 *
65	79.1	304.0	66,800	143,200 *
70	78.1	303.0	53,700	137,300 *
75	77.1	301.8	42,500	131,500 *
80	76.2	300.6	32,900	125,700 *
85	75.2	299.3	24,500	120,100 *
90	74.2	297.8	17,000	114,600 *
95	73.2	296.3	10,400	109,200 *
100	72.2	294.7	4,500	103,400
105	71.2	293.0		94,000
110	70.2	291.2		85,500
115	69.1	289.3		77,800
120	68.1	287.3		70,900
125	67.1	285.1		64,500
130	66.0	282.9		58,700
135	65.0	280.6		52,900 *
140	63.9	278.1		47,200 *
145	62.8	275.6		41,800 *
150	61.7	272.9		36,800 *
155	60.6	270.1		32,200 *
160	59.5	267.1		27,800 *
165	58.4	264.0		23,700 *
170	57.3	260.8		19,900 *
175	56.1	257.5		16,300 *
180	55.0	254.0		12,900 *



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
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. Hanging Counterweight
360 Degree Rating

190 Ft. Luffing Jib 168 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	0 Lb. Hanging Counterweight	55,000 Lb. Hanging Counterweight		135,000 Lb. Hanging Counterweight		225,000 Lb. Hanging Counterweight		Boom 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	
140 Ft. BOOM										
26	82.7	148.5	403,300 *	70,600	445,700 *	196,700	480,000 *	338,800	480,000 *	26
28	81.9	148.2	371,400 *	55,400	411,000 *	170,400	465,700 *	300,000	480,000 *	28
30	81.1	147.9	343,600 *	42,800	380,700 *	148,400	432,000 *	267,500	480,000 *	30
32	80.2	147.5	319,000 *	32,000	353,900 *	129,700	402,200 *	239,900	456,600 *	32
34	79.4	147.1	293,200 *	22,700	330,100 *	113,600	375,700 *	216,000	427,100 *	34
36	78.6	146.6	264,400	14,600	308,800 *	99,600	352,000 *	195,300	400,700 *	36
38	77.7	146.2	238,900	7,500	289,600 *	87,300	330,700 *	177,200	376,900 *	38
40	76.9	145.7	217,000	1,200	272,300 *	76,400	311,400 *	161,100	355,400 *	40
42	76.0	145.2	197,900		254,800	66,700	293,900 *	146,800	335,900 *	42
44	75.2	144.6	181,200		234,600	58,000	277,800 *	133,900	318,000 *	44
46	74.3	144.0	166,400		216,700	50,100	263,100 *	122,300	301,600 *	46
48	73.5	143.4	153,200		200,800	43,000	249,600 *	111,800	286,600 *	48
50	72.6	142.7	141,400		186,500	36,500	237,100 *	102,300	272,700 *	50
55	70.4	141.0	116,500		156,500	22,600	209,700 *	81,700	242,200 *	55
60	68.2	138.9	96,800		132,700	11,300	183,100	64,900	216,600 *	60
65	66.0	136.7	80,800		113,300	1,800	159,000	50,900	194,800 *	65
70	63.7	134.2	67,500		97,200		139,000	39,100	176,100 *	70
75	61.4	131.5	56,300		83,700		122,200	29,000	159,800 *	75
80	59.0	128.5	46,700		72,100		107,800	20,200	141,500 *	80
85	56.5	125.2	38,400		62,100		95,400	12,500	125,100 *	85
90	54.0	121.6	31,200		53,400		84,500	5,800	110,700 *	90
95	51.4	117.6	24,300 *		45,700		75,000		97,800 *	95
100	48.7	113.2	17,700 *		38,900		66,500		86,300 *	100
105	45.9	108.4	11,700 *		32,700 *		58,900		75,800 *	105
110	42.9	103.1			26,300 *		51,500 *		66,400 *	110
115	39.7	97.2			20,500 *		44,500 *		57,700 *	115
120	36.3	90.5			15,200 *		38,200 *		49,600 *	120



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
 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. Hanging Counterweight
 360 Degree Rating

190 Ft. Luffing Jib 168 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	0 Lb. Hanging Counterweight	55,000 Lb. Hanging Counterweight		135,000 Lb. Hanging Counterweight		225,000 Lb. Hanging Counterweight		Boom 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	
160 Ft. BOOM										
28	82.9	168.4	371,700 *	59,400	411,300 *	175,300	466,100 *	306,000	480,000 *	28
30	82.2	168.1	344,000 *	46,500	381,100 *	153,000	432,400 *	273,000	480,000 *	30
32	81.5	167.8	319,500 *	35,600	354,400 *	134,000	402,700 *	245,000	457,100 *	32
34	80.7	167.5	297,000	26,200	330,700 *	117,700	376,300 *	220,900	427,600 *	34
36	80.0	167.1	266,900	18,000	309,400 *	103,500	352,700 *	200,000	401,300 *	36
38	79.3	166.7	241,400	10,800	290,300 *	91,100	331,400 *	181,600	377,600 *	38
40	78.6	166.2	219,400	4,400	273,000 *	80,100	312,100 *	165,300	356,100 *	40
42	77.8	165.8	200,300		257,200	70,200	294,600 *	150,800	336,600 *	42
44	77.1	165.3	183,500		236,900	61,400	278,600 *	137,800	318,800 *	44
46	76.3	164.8	168,700		219,000	53,500	264,000 *	126,100	302,500 *	46
48	75.6	164.3	155,400		203,000	46,300	250,500 *	115,500	287,500 *	48
50	74.9	163.7	143,600		188,700	39,800	238,000 *	105,800	273,600 *	50
55	73.0	162.1	118,700		158,700	25,700	210,700 *	85,100	243,200 *	55
60	71.1	160.4	98,900		134,800	14,200	185,200	68,200	217,600 *	60
65	69.2	158.5	82,900		115,400	4,700	161,100	54,000	195,900 *	65
70	67.2	156.4	69,500		99,200		141,000	42,100	177,200 *	70
75	65.3	154.1	58,300		85,700		124,200	31,900	160,900 *	75
80	63.3	151.6	48,600		74,100		109,800	23,100	146,600 *	80
85	61.2	148.8	40,300		64,000		97,300	15,300	134,000 *	85
90	59.1	145.8	33,100		55,300		86,400	8,500	121,300 *	90
95	57.0	142.6	26,700		47,600		76,900	2,400	107,900 *	95
100	54.8	139.1	20,100 *		40,700		68,400		95,900 *	100
105	52.6	135.3	14,100 *		34,600		60,800		85,100 *	105
110	50.2	131.1			28,700 *		54,000		75,400 *	110
115	47.8	126.6			22,900 *		47,000 *		66,500 *	115
120	45.3	121.7			17,500 *		40,600 *		58,300 *	120
125	42.7	116.3			12,600 *		34,700 *		50,800 *	125
130	39.9	110.4					29,300 *		43,900 *	130
135	37.0	103.9					24,300 *		37,400 *	135
140	33.8	96.6					19,700 *		31,400 *	140



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
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. Hanging Counterweight
360 Degree Rating

190 Ft. Luffing Jib 168 Degree Boom to Luffing Jib Angle

Boom Oper. Feet	Boom Rad. Deg.	Boom Point Elev. Feet	0 Lb. Hanging Counterweight	55,000 Lb. Hanging Counterweight		135,000 Lb. Hanging Counterweight		225,000 Lb. Hanging Counterweight		Boom 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	
180 Ft. BOOM										
32	82.4	188.1	317,300 *	36,900	352,300 *	136,200	400,600 *	248,200	454,900 *	32
34	81.8	187.7	295,500 *	27,200	328,600 *	119,500	374,200 *	223,600	425,500 *	34
36	81.1	187.4	267,900	18,800	307,300 *	105,000	350,600 *	202,200	399,200 *	36
38	80.5	187.1	242,100	11,400	288,200 *	92,300	329,300 *	183,500	375,500 *	38
40	79.8	186.7	219,900	4,800	271,000 *	81,000	310,100 *	166,900	354,100 *	40
42	79.2	186.3	200,700		255,200 *	71,000	292,600 *	152,100	334,600 *	42
44	78.5	185.8	183,800		237,200	62,000	276,600 *	138,900	316,800 *	44
46	77.9	185.4	168,800		219,100	53,900	262,000 *	127,000	300,500 *	46
48	77.2	184.9	155,500		203,100	46,500	248,500 *	116,200	285,500 *	48
50	76.6	184.4	143,500		188,700	39,900	236,000 *	106,300	271,600 *	50
55	74.9	183.1	118,400		158,400	25,500	208,700 *	85,200	241,200 *	55
60	73.3	181.5	98,500		134,400	13,800	184,700	67,900	215,700 *	60
65	71.6	179.9	82,300		114,800	4,000	160,500	53,600	193,900 *	65
70	69.9	178.0	68,800		98,600		140,400	41,500	175,200 *	70
75	68.2	176.0	57,500		84,900		123,400	31,100	159,000 *	75
80	66.4	173.8	47,800		73,200		108,900	22,100	144,700 *	80
85	64.7	171.5	39,400		63,100		96,400	14,200	132,000 *	85
90	62.9	168.9	32,100		54,200		85,400	7,300	120,500	90
95	61.1	166.1	25,300 *		46,500		75,800	1,100	108,700	95
100	59.2	163.2	18,500 *		39,600		67,200		98,300	100
105	57.3	160.0	12,400 *		33,400		59,600		89,000	105
110	55.4	156.5			27,000 *		52,400 *		79,300 *	110
115	53.4	152.8			21,100 *		45,300 *		70,100 *	115
120	51.4	148.8			15,700 *		38,800 *		61,700 *	120
125	49.3	144.6			10,700 *		32,800 *		54,000 *	125
130	47.1	139.9					27,400 *		46,900 *	130
135	44.9	134.9					22,300 *		40,300 *	135
140	42.5	129.5					17,700 *		34,200 *	140
145	40.1	123.7					13,400 *		28,500 *	145
150	37.5	117.2							23,200 *	150
155	34.7	110.1							18,200 *	155



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
 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. Hanging Counterweight
 360 Degree Rating

190 Ft. Luffing Jib 168 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	0 Lb. Hanging Counterweight	55,000 Lb. Hanging Counterweight		135,000 Lb. Hanging Counterweight		225,000 Lb. Hanging Counterweight		Boom 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	
200 Ft. BOOM										
34	82.6	208.0	295,900 *	30,800	328,900 *	123,900	374,600 *	228,800	425,900 *	34
36	82.0	207.7	270,300	22,200	307,800 *	109,100	351,000 *	207,100	399,600 *	36
38	81.5	207.4	244,400	14,600	288,700 *	96,100	329,700 *	188,100	376,000 *	38
40	80.9	207.0	222,200	7,900	271,400 *	84,700	310,500 *	171,200	354,500 *	40
42	80.3	206.6	202,800	1,900	255,700 *	74,500	293,000 *	156,200	335,100 *	42
44	79.7	206.3	185,800		239,200	65,300	277,100 *	142,800	317,300 *	44
46	79.1	205.9	170,800		221,100	57,100	262,400 *	130,700	301,000 *	46
48	78.5	205.4	157,400		205,000	49,600	249,000 *	119,700	285,900 *	48
50	78.0	205.0	145,400		190,500	42,800	236,500 *	109,700	272,100 *	50
55	76.5	203.8	120,100		160,100	28,200	209,300 *	88,200	241,700 *	55
60	75.0	202.4	100,100		136,000	16,200	186,300	70,700	216,200 *	60
65	73.5	200.9	83,800		116,300	6,300	162,000	56,200	194,500 *	65
70	72.0	199.3	70,300		100,000		141,800	43,900	175,800 *	70
75	70.5	197.5	58,800		86,200		124,800	33,300	159,500 *	75
80	68.9	195.6	49,100		74,500		110,200	24,200	145,200 *	80
85	67.4	193.5	40,700		64,300		97,600	16,200	132,600 *	85
90	65.8	191.3	33,300		55,500		86,600	9,200	121,300 *	90
95	64.2	188.8	26,800		47,600		76,900	3,000	109,900	95
100	62.6	186.2	20,200 *		40,700		68,400		99,500	100
105	61.0	183.5	14,000 *		34,500		60,700		90,100	105
110	59.3	180.5			28,600 *		53,800		81,700	110
115	57.6	177.3			22,600 *		46,900 *		74,100 *	115
120	55.9	173.9			17,100 *		40,300 *		66,400 *	120
125	54.1	170.3			12,100 *		34,300 *		59,300 *	125
130	52.3	166.5					28,800 *		52,500 *	130
135	50.4	162.4					23,700 *		45,800 *	135
140	48.5	158.0					19,000 *		39,500 *	140
145	46.6	153.2					14,600 *		33,700 *	145
150	44.5	148.2					10,600 *		28,300 *	150
155	42.4	142.8							23,300 *	155
160	40.2	136.9							18,600 *	160
165	37.9	130.6							14,100 *	165



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
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. Hanging Counterweight
360 Degree Rating

190 Ft. Luffing Jib 168 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	55,000 Lb. Hanging Counterweight		135,000 Lb. Hanging Counterweight		225,000 Lb. Hanging Counterweight		Boom 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	
220 Ft. BOOM									
36	82.8	227.9	24,900	307,900 *	112,500	343,100 *	211,400	343,100 *	36
38	82.2	227.6	17,200	288,800 *	99,400	329,900 *	192,100	343,100 *	38
40	81.7	227.3	10,400	271,600 *	87,700	310,700 *	175,000	343,100 *	40
42	81.2	227.0	4,300	255,900 *	77,400	293,200 *	159,800	335,200 *	42
44	80.7	226.6		240,700	68,100	277,300 *	146,200	317,500 *	44
46	80.1	226.2		222,500	59,700	262,700 *	133,900	301,200 *	46
48	79.6	225.9		206,300	52,100	249,200 *	122,700	286,200 *	48
50	79.1	225.5		191,800	45,200	236,800 *	112,600	272,400 *	50
55	77.7	224.4		161,400	30,400	209,600 *	90,900	242,000 *	55
60	76.4	223.1		137,100	18,300	186,700 *	73,200	216,500 *	60
65	75.0	221.8		117,400	8,300	163,100	58,400	194,800 *	65
70	73.7	220.3		101,100		142,900	46,000	176,200 *	70
75	72.3	218.7		87,300		125,800	35,300	159,900 *	75
80	70.9	217.0		75,500		111,200	26,100	145,600 *	80
85	69.5	215.1		65,300		98,600	18,000	133,000 *	85
90	68.1	213.1		56,400		87,600	10,900	121,700 *	90
95	66.7	211.0		48,600		77,900	4,600	110,900	95
100	65.3	208.6		41,600		69,300		100,400	100
105	63.8	206.2		35,400		61,600		91,000	105
110	62.4	203.6		29,800		54,700		82,600	110
115	60.9	200.8		24,000 *		48,300 *		75,000	115
120	59.4	197.8		18,500 *		41,700 *		67,900 *	120
125	57.8	194.7		13,400 *		35,700 *		60,700 *	125
130	56.3	191.3				30,100 *		54,100 *	130
135	54.7	187.8				25,000 *		48,100 *	135
140	53.0	184.0				20,200 *		42,500 *	140
145	51.4	180.1				15,800 *		37,200 *	145
150	49.7	175.8				11,800 *		32,400 *	150
155	47.9	171.3						27,600 *	155
160	46.1	166.5						22,800 *	160
165	44.3	161.4						18,300 *	165
170	42.3	156.0						14,100 *	170
175	40.3	150.2						10,100 *	175



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
 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. Hanging Counterweight
 360 Degree Rating

190 Ft. Luffing Jib 168 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	55,000 Lb. Hanging Counterweight		135,000 Lb. Hanging Counterweight		225,000 Lb. Hanging Counterweight		Boom 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	
240 Ft. BOOM									
38	82.9	247.8	19,500	288,900 *	102,300	316,600 *	195,600	316,600 *	38
40	82.4	247.5	12,500	271,700 *	90,500	310,800 *	178,300	316,600 *	40
42	81.9	247.2	6,400	256,000 *	80,000	293,400 *	162,900	316,600 *	42
44	81.4	246.9	800	241,700 *	70,600	277,400 *	149,200	316,600 *	44
46	81.0	246.6		223,600	62,100	262,800 *	136,700	301,300 *	46
48	80.5	246.2		207,400	54,400	249,400 *	125,500	286,400 *	48
50	80.0	245.8		192,900	47,400	237,000 *	115,200	272,500 *	50
55	78.8	244.8		162,300	32,400	209,800 *	93,300	242,200 *	55
60	77.5	243.7		138,100	20,100	186,900 *	75,300	216,700 *	60
65	76.3	242.5		118,300	10,000	164,000	60,400	195,100 *	65
70	75.1	241.2		101,900	1,300	143,700	47,800	176,400 *	70
75	73.8	239.7		88,100		126,600	37,000	160,200 *	75
80	72.6	238.1		76,300		112,000	27,700	145,900 *	80
85	71.3	236.4		66,100		99,400	19,600	133,200 *	85
90	70.1	234.6		57,200		88,300	12,400	122,000 *	90
95	68.8	232.7		49,300		78,600	6,000	111,600	95
100	67.5	230.6		42,300		70,000	300	101,100	100
105	66.2	228.4		36,100		62,300		91,700	105
110	64.9	226.0		30,500		55,300		83,300	110
115	63.5	223.5		25,200 *		49,100		75,700	115
120	62.2	220.9		19,600 *		42,900 *		68,800	120
125	60.8	218.1		14,500 *		36,800 *		62,000 *	125
130	59.4	215.1				31,200 *		55,300 *	130
135	58.0	212.0				26,100 *		49,200 *	135
140	56.6	208.7				21,300 *		43,600 *	140
145	55.1	205.2				16,900 *		38,300 *	145
150	53.6	201.6				12,700 *		33,400 *	150
155	52.1	197.7						28,900 *	155
160	50.6	193.6						24,600 *	160
165	49.0	189.3						20,600 *	165
170	47.4	184.7						16,900 *	170
175	45.7	179.8						13,300 *	175



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
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. Hanging Counterweight
360 Degree Rating

190 Ft. Luffing Jib 168 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	135,000 Lb. Hanging Counterweight		225,000 Lb. Hanging Counterweight		Boom 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	
260 Ft. BOOM							
40	83.0	267.7	92,500	260,100 *	181,000	260,100 *	40
42	82.5	267.4	81,900	256,500 *	165,400	256,500 *	42
44	82.1	267.1	72,300	252,900 *	151,500	252,900 *	44
46	81.7	266.8	63,800	249,300 *	138,900	249,300 *	46
48	81.2	266.5	56,000	245,800 *	127,500	245,800 *	48
50	80.8	266.2	48,900	236,600 *	117,200	242,200 *	50
55	79.6	265.2	33,700	209,400 *	95,000	233,500 *	55
60	78.5	264.2	21,300	186,600 *	76,800	216,500 *	60
65	77.4	263.1	11,000	164,400	61,700	194,800 *	65
70	76.3	261.9	2,300	144,100	49,000	176,200 *	70
75	75.1	260.5		127,000	38,100	159,900 *	75
80	74.0	259.1		112,300	28,700	145,700 *	80
85	72.8	257.5		99,700	20,500	133,100 *	85
90	71.7	255.9		88,600	13,200	121,800 *	90
95	70.5	254.1		78,900	6,800	111,700 *	95
100	69.3	252.2		70,200	1,000	101,300	100
105	68.1	250.2		62,500		92,000	105
110	66.9	248.1		55,600		83,500	110
115	65.7	245.8		49,300		75,900	115
120	64.5	243.4		43,600 *		69,000	120
125	63.3	240.9		37,400 *		62,700 *	125
130	62.0	238.2		31,800 *		56,000 *	130
135	60.7	235.4		26,600 *		49,800 *	135
140	59.5	232.5		21,800 *		44,100 *	140
145	58.2	229.4		17,300 *		38,900 *	145
150	56.9	226.1		13,200 *		33,900 *	150
155	55.5	222.7				29,400 *	155
160	54.2	219.1				25,100 *	160
165	52.8	215.3				21,100 *	165
170	51.4	211.3				17,300 *	170
175	49.9	207.1				13,700 *	175
180	48.5	202.7				10,400 *	180



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
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. Hanging Counterweight
360 Degree Rating

**190 Ft. Luffing Jib
168 Degree Boom to Luffing Jib Angle**

Boom Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	225,000 Lb. Hanging Counterweight	
			Minimum Boom Capacity To Swing and Travel Pounds	Boom Capacity Pounds
280 Ft. BOOM				
44	82.7	287.3	154,000	222,600 *
46	82.3	287.1	141,300	219,400 *
48	81.8	286.8	129,800	216,200 *
50	81.4	286.4	119,300	213,000 *
55	80.4	285.6	96,900	205,100 *
60	79.4	284.6	78,500	197,300 *
65	78.3	283.6	63,300	189,700 *
70	77.3	282.5	50,400	176,100 *
75	76.2	281.2	39,400	159,900 *
80	75.1	279.9	29,900	145,600 *
85	74.1	278.5	21,600	133,000 *
90	73.0	276.9	14,200	121,800 *
95	71.9	275.3	7,700	111,700 *
100	70.9	273.6	1,900	101,700
105	69.8	271.7		92,300
110	68.7	269.7		83,800
115	67.6	267.7		76,200
120	66.4	265.5		69,300
125	65.3	263.2		62,900
130	64.2	260.8		56,700 *
135	63.0	258.2		50,500 *
140	61.9	255.5		44,800 *
145	60.7	252.7		39,500 *
150	59.5	249.8		34,600 *
155	58.3	246.7		29,900 *
160	57.1	243.5		25,600 *
165	55.8	240.1		21,600 *
170	54.6	236.5		17,800 *
175	53.3	232.8		14,200 *
180	52.0	228.9		10,900 *

**190 Ft. Luffing Jib
168 Degree Boom to Luffing Jib Angle**

Boom Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	225,000 Lb. Hanging Counterweight	
			Minimum Boom Capacity To Swing and Travel Pounds	Boom Capacity Pounds
300 Ft. BOOM				
55	81.0	305.9	97,900	153,000 *
60	80.1	305.0	79,400	147,000 *
65	79.1	304.0	64,000	141,100 *
70	78.1	303.0	51,000	135,200 *
75	77.1	301.8	39,900	129,400 *
80	76.2	300.6	30,300	123,700 *
85	75.2	299.3	21,900	118,100 *
90	74.2	297.8	14,500	112,500 *
95	73.2	296.3	8,000	107,100 *
100	72.2	294.7	2,100	101,500
105	71.2	293.0		92,100
110	70.2	291.2		83,600
115	69.1	289.3		76,000
120	68.1	287.3		69,100
125	67.1	285.1		62,700
130	66.0	282.9		56,900 *
135	65.0	280.6		50,600 *
140	63.9	278.1		44,900 *
145	62.8	275.6		39,500 *
150	61.7	272.9		34,500 *
155	60.6	270.1		29,900 *
160	59.5	267.1		25,600 *
165	58.4	264.0		21,500 *
170	57.3	260.8		17,700 *
175	56.1	257.5		14,100 *
180	55.0	254.0		10,700 *



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
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. Hanging Counterweight
360 Degree Rating

200 Ft. Luffing Jib 168 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	0 Lb. Hanging Counterweight	55,000 Lb. Hanging Counterweight		135,000 Lb. Hanging Counterweight		225,000 Lb. Hanging Counterweight		Boom 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	
140 Ft. BOOM										
26	82.7	148.5	399,700 *	64,900	442,200 *	191,000	480,000 *	333,100	480,000 *	26
28	81.9	148.2	368,000 *	50,000	407,600 *	164,900	462,300 *	294,500	480,000 *	28
30	81.1	147.9	340,200 *	37,400	377,300 *	143,100	428,600 *	262,200	480,000 *	30
32	80.2	147.5	315,600 *	26,800	350,600 *	124,500	398,900 *	234,700	453,200 *	32
34	79.4	147.1	287,900 *	17,600	326,800 *	108,500	372,400 *	211,000	423,800 *	34
36	78.6	146.6	259,900	9,600	305,500 *	94,600	348,800 *	190,400	397,400 *	36
38	77.7	146.2	234,500	2,600	286,400 *	82,400	327,500 *	172,300	373,700 *	38
40	76.9	145.7	212,700		269,100 *	71,600	308,200 *	156,300	352,200 *	40
42	76.0	145.2	193,800		250,700	61,900	290,700 *	142,000	332,700 *	42
44	75.2	144.6	177,100		230,600	53,300	274,700 *	129,200	314,900 *	44
46	74.3	144.0	162,400		212,700	45,500	260,000 *	117,700	298,500 *	46
48	73.5	143.4	149,300		196,900	38,500	246,500 *	107,300	283,500 *	48
50	72.6	142.7	137,500		182,700	32,000	234,000 *	97,700	269,600 *	50
55	70.4	141.0	112,900		152,800	18,200	206,700 *	77,300	239,100 *	55
60	68.2	138.9	93,300		129,100	6,900	179,500	60,600	213,600 *	60
65	66.0	136.7	77,300		109,800		155,500	46,700	191,900 *	65
70	63.7	134.2	64,100		93,800		135,600	34,900	173,200 *	70
75	61.4	131.5	53,000		80,400		118,900	24,900	156,000 *	75
80	59.0	128.5	43,400		68,800		104,500	16,100	137,300 *	80
85	56.5	125.2	35,200		58,900		92,200	8,500	121,000 *	85
90	54.0	121.6	27,700 *		50,200		81,400	1,800	106,600 *	90
95	51.4	117.6	20,300 *		42,600		71,900		93,800 *	95
100	48.7	113.2	13,700 *		35,800		63,400		82,300 *	100
105	45.9	108.4			28,800 *		55,200 *		71,900 *	105
110	42.9	103.1			22,400 *		47,600 *		62,500 *	110
115	39.7	97.2			16,600 *		40,700 *		53,800 *	115
120	36.3	90.5			11,300 *		34,300 *		45,800 *	120



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
 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. Hanging Counterweight
 360 Degree Rating

200 Ft. Luffing Jib 168 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	0 Lb. Hanging Counterweight	55,000 Lb. Hanging Counterweight		135,000 Lb. Hanging Counterweight		225,000 Lb. Hanging Counterweight		Boom 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	
160 Ft. BOOM										
28	82.9	168.4	368,400 *	54,100	408,000 *	170,100	462,800 *	300,800	480,000 *	28
30	82.2	168.1	340,700 *	41,400	377,800 *	147,900	429,200 *	268,000	480,000 *	30
32	81.5	167.8	316,300 *	30,600	351,200 *	129,100	399,500 *	240,100	453,800 *	32
34	80.7	167.5	292,600	21,300	327,500 *	112,900	373,100 *	216,100	424,500 *	34
36	80.0	167.1	262,700	13,300	306,300 *	98,800	349,500 *	195,200	398,200 *	36
38	79.3	166.7	237,200	6,200	287,200 *	86,400	328,300 *	176,900	374,500 *	38
40	78.6	166.2	215,400		270,000 *	75,500	309,100 *	160,800	353,100 *	40
42	77.8	165.8	196,400		253,300	65,800	291,600 *	146,300	333,600 *	42
44	77.1	165.3	179,700		233,100	57,000	275,600 *	133,400	315,800 *	44
46	76.3	164.8	164,900		215,300	49,200	261,000 *	121,800	299,500 *	46
48	75.6	164.3	151,800		199,400	42,000	247,500 *	111,200	284,500 *	48
50	74.9	163.7	140,000		185,100	35,500	235,100 *	101,600	270,700 *	50
55	73.0	162.1	115,200		155,200	21,600	207,800 *	81,000	240,300 *	55
60	71.1	160.4	95,600		131,400	10,200	181,800	64,100	214,800 *	60
65	69.2	158.5	79,600		112,100	700	157,800	50,100	193,100 *	65
70	67.2	156.4	66,300		96,100		137,900	38,200	174,400 *	70
75	65.3	154.1	55,100		82,500		121,100	28,000	158,200 *	75
80	63.3	151.6	45,600		71,000		106,700	19,200	143,900 *	80
85	61.2	148.8	37,300		61,000		94,300	11,500	131,300 *	85
90	59.1	145.8	30,100		52,300		83,500	4,700	117,500 *	90
95	57.0	142.6	23,100 *		44,600		73,900		104,200 *	95
100	54.8	139.1	16,400 *		37,800		65,500		92,200 *	100
105	52.6	135.3	10,400 *		31,500 *		57,900		81,400 *	105
110	50.2	131.1			25,100 *		50,300 *		71,700 *	110
115	47.8	126.6			19,200 *		43,300 *		62,800 *	115
120	45.3	121.7			13,900 *		36,900 *		54,700 *	120
125	42.7	116.3					31,100 *		47,200 *	125
130	39.9	110.4					25,700 *		40,300 *	130
135	37.0	103.9					20,800 *		33,900 *	135
140	33.8	96.6					16,200 *		27,900 *	140



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
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. Hanging Counterweight
360 Degree Rating

200 Ft. Luffing Jib 168 Degree Boom to Luffing Jib Angle

Boom Oper. Feet	Boom Rad. Deg.	Boom Point Elev. Feet	0 Lb. Hanging Counterweight	55,000 Lb. Hanging Counterweight		135,000 Lb. Hanging Counterweight		225,000 Lb. Hanging Counterweight		Boom 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	
180 Ft. BOOM										
32	82.4	188.1	314,200 *	32,200	349,200 *	131,500	397,500 *	243,400	451,800 *	32
34	81.8	187.7	292,500 *	22,600	325,500 *	114,900	371,100 *	219,000	422,500 *	34
36	81.1	187.4	263,800	14,300	304,300 *	100,500	347,600 *	197,700	396,200 *	36
38	80.5	187.1	238,100	6,900	285,300 *	87,800	326,300 *	179,100	372,500 *	38
40	79.8	186.7	216,100	500	268,000 *	76,700	307,100 *	162,600	351,100 *	40
42	79.2	186.3	196,900		252,300 *	66,700	289,700 *	147,900	331,700 *	42
44	78.5	185.8	180,100		233,500	57,800	273,700 *	134,700	313,900 *	44
46	77.9	185.4	165,200		215,600	49,700	259,100 *	122,800	297,600 *	46
48	77.2	184.9	152,000		199,600	42,400	245,600 *	112,100	282,600 *	48
50	76.6	184.4	140,100		185,200	35,800	233,200 *	102,300	268,800 *	50
55	74.9	183.1	115,200		155,100	21,500	206,000 *	81,200	238,400 *	55
60	73.3	181.5	95,300		131,200	9,900	181,600	64,100	212,900 *	60
65	71.6	179.9	79,200		111,700	200	157,400	49,800	191,300 *	65
70	69.9	178.0	65,800		95,500		137,300	37,700	172,600 *	70
75	68.2	176.0	54,500		81,900		120,400	27,400	156,300 *	75
80	66.4	173.8	44,900		70,300		106,000	18,400	142,100 *	80
85	64.7	171.5	36,500		60,200		93,500	10,600	129,400 *	85
90	62.9	168.9	29,300		51,400		82,600	3,700	117,700	90
95	61.1	166.1	21,700 *		43,700		73,000		106,000	95
100	59.2	163.2	15,000 *		36,800		64,500		95,600	100
105	57.3	160.0			30,100 *		56,700 *		85,900 *	105
110	55.4	156.5			23,600 *		48,900 *		75,800 *	110
115	53.4	152.8			17,600 *		41,800 *		66,600 *	115
120	51.4	148.8			12,300 *		35,300 *		58,300 *	120
125	49.3	144.6					29,400 *		50,600 *	125
130	47.1	139.9					24,000 *		43,500 *	130
135	44.9	134.9					19,000 *		37,000 *	135
140	42.5	129.5					14,300 *		30,900 *	140
145	40.1	123.7					10,000 *		25,200 *	145
150	37.5	117.2							19,900 *	150
155	34.7	110.1							14,900 *	155



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
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. Hanging Counterweight
360 Degree Rating

200 Ft. Luffing Jib 168 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	0 Lb. Hanging Counterweight	55,000 Lb. Hanging Counterweight		135,000 Lb. Hanging Counterweight		225,000 Lb. Hanging Counterweight		Boom 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	
200 Ft. BOOM										
34	82.6	208.0	293,000 *	26,300	326,000 *	119,400	371,600 *	224,400	422,900 *	34
36	82.0	207.7	266,400	17,800	304,800 *	104,700	348,100 *	202,800	396,700 *	36
38	81.5	207.4	240,600	10,300	285,800 *	91,900	326,900 *	183,800	373,100 *	38
40	80.9	207.0	218,500	3,700	268,500 *	80,500	307,700 *	167,100	351,700 *	40
42	80.3	206.6	199,200		252,900 *	70,300	290,200 *	152,100	332,200 *	42
44	79.7	206.3	182,300		235,700	61,300	274,300 *	138,700	314,500 *	44
46	79.1	205.9	167,300		217,700	53,100	259,700 *	126,700	298,200 *	46
48	78.5	205.4	154,000		201,600	45,600	246,200 *	115,800	283,200 *	48
50	78.0	205.0	142,100		187,200	38,900	233,800 *	105,800	269,400 *	50
55	76.5	203.8	117,000		156,900	24,400	206,600 *	84,500	239,000 *	55
60	75.0	202.4	97,000		132,900	12,500	183,300	67,000	213,600 *	60
65	73.5	200.9	80,800		113,300	2,700	159,000	52,600	191,900 *	65
70	72.0	199.3	67,400		97,100		138,900	40,300	173,200 *	70
75	70.5	197.5	56,000		83,400		121,900	29,800	157,000 *	75
80	68.9	195.6	46,300		71,700		107,400	20,700	142,700 *	80
85	67.4	193.5	37,900		61,600		94,900	12,800	130,100 *	85
90	65.8	191.3	30,600		52,800		83,900	5,800	118,800 *	90
95	64.2	188.8	23,600 *		45,000		74,300		107,300	95
100	62.6	186.2	16,800 *		38,100		65,700		96,900	100
105	61.0	183.5	10,600 *		31,900 *		58,100		87,500	105
110	59.3	180.5			25,300 *		50,700 *		79,200	110
115	57.6	177.3			19,300 *		43,500 *		70,800 *	115
120	55.9	173.9			13,900 *		37,000 *		63,100 *	120
125	54.1	170.3					31,100 *		56,000 *	125
130	52.3	166.5					25,600 *		49,300 *	130
135	50.4	162.4					20,500 *		42,600 *	135
140	48.5	158.0					15,800 *		36,300 *	140
145	46.6	153.2					11,500 *		30,600 *	145
150	44.5	148.2							25,200 *	150
155	42.4	142.8							20,200 *	155
160	40.2	136.9							15,400 *	160
165	37.9	130.6							11,000 *	165



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
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. Hanging Counterweight
360 Degree Rating

200 Ft. Luffing Jib 168 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	55,000 Lb. Hanging Counterweight		135,000 Lb. Hanging Counterweight		225,000 Lb. Hanging Counterweight		Boom 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	
220 Ft. BOOM									
36	82.8	227.9	20,700	305,000 *	108,300	339,900 *	207,100	339,900 *	36
38	82.2	227.6	13,100	286,000 *	95,300	327,100 *	187,900	339,900 *	38
40	81.7	227.3	6,300	268,800 *	83,700	307,900 *	170,900	339,900 *	40
42	81.2	227.0	300	253,200 *	73,400	290,500 *	155,800	332,500 *	42
44	80.7	226.6		237,300	64,200	274,600 *	142,200	314,800 *	44
46	80.1	226.2		219,200	55,800	260,000 *	130,000	298,500 *	46
48	79.6	225.9		203,100	48,300	246,600 *	118,900	283,500 *	48
50	79.1	225.5		188,600	41,500	234,200 *	108,900	269,700 *	50
55	77.7	224.4		158,300	26,800	207,000 *	87,200	239,400 *	55
60	76.4	223.1		134,200	14,700	184,200 *	69,600	214,000 *	60
65	75.0	221.8		114,600	4,800	160,300	54,900	192,300 *	65
70	73.7	220.3		98,300		140,100	42,500	173,700 *	70
75	72.3	218.7		84,600		123,100	31,900	157,500 *	75
80	70.9	217.0		72,800		108,500	22,700	143,200 *	80
85	69.5	215.1		62,700		96,000	14,700	130,600 *	85
90	68.1	213.1		53,800		85,000	7,700	119,300 *	90
95	66.7	211.0		46,000		75,300	1,400	108,300	95
100	65.3	208.6		39,100		66,800		97,900	100
105	63.8	206.2		32,900		59,100		88,600	105
110	62.4	203.6		26,800 *		52,200		80,200	110
115	60.9	200.8		20,800 *		45,100 *		72,500 *	115
120	59.4	197.8		15,300 *		38,600 *		64,700 *	120
125	57.8	194.7		10,300 *		32,500 *		57,600 *	125
130	56.3	191.3				27,000 *		51,000 *	130
135	54.7	187.8				21,900 *		45,000 *	135
140	53.0	184.0				17,200 *		39,400 *	140
145	51.4	180.1				12,800 *		34,200 *	145
150	49.7	175.8						29,300 *	150
155	47.9	171.3						24,600 *	155
160	46.1	166.5						19,800 *	160
165	44.3	161.4						15,300 *	165
170	42.3	156.0						11,100 *	170



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
 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. Hanging Counterweight
 360 Degree Rating

200 Ft. Luffing Jib 168 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	55,000 Lb. Hanging Counterweight		135,000 Lb. Hanging Counterweight		225,000 Lb. Hanging Counterweight		Boom 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	
240 Ft. BOOM									
38	82.9	247.8	15,400	286,200 *	98,200	312,600 *	191,600	312,600 *	38
40	82.4	247.5	8,600	269,000 *	86,500	308,100 *	174,400	312,600 *	40
42	81.9	247.2	2,500	253,300 *	76,100	290,700 *	159,100	312,600 *	42
44	81.4	246.9		238,500	66,800	274,800 *	145,400	312,600 *	44
46	81.0	246.6		220,400	58,300	260,200 *	133,000	298,700 *	46
48	80.5	246.2		204,300	50,700	246,800 *	121,800	283,800 *	48
50	80.0	245.8		189,800	43,800	234,400 *	111,600	270,000 *	50
55	78.8	244.8		159,400	28,900	207,200 *	89,700	239,700 *	55
60	77.5	243.7		135,200	16,700	184,400 *	71,900	214,300 *	60
65	76.3	242.5		115,500	6,600	161,200	57,000	192,700 *	65
70	75.1	241.2		99,200		141,000	44,500	174,000 *	70
75	73.8	239.7		85,500		124,000	33,800	157,800 *	75
80	72.6	238.1		73,700		109,400	24,500	143,600 *	80
85	71.3	236.4		63,500		96,800	16,400	130,900 *	85
90	70.1	234.6		54,700		85,800	9,200	119,700 *	90
95	68.8	232.7		46,800		76,100	2,900	109,100	95
100	67.5	230.6		39,900		67,500		98,700	100
105	66.2	228.4		33,700		59,900		89,300	105
110	64.9	226.0		28,100		53,000		80,900	110
115	63.5	223.5		22,100 *		46,500 *		73,300	115
120	62.2	220.9		16,500 *		39,900 *		66,100 *	120
125	60.8	218.1		11,500 *		33,800 *		58,900 *	125
130	59.4	215.1				28,200 *		52,300 *	130
135	58.0	212.0				23,100 *		46,200 *	135
140	56.6	208.7				18,300 *		40,600 *	140
145	55.1	205.2				13,900 *		35,400 *	145
150	53.6	201.6						30,500 *	150
155	52.1	197.7						26,000 *	155
160	50.6	193.6						21,700 *	160
165	49.0	189.3						17,700 *	165
170	47.4	184.7						14,000 *	170
175	45.7	179.8						10,500 *	175



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
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. Hanging Counterweight
360 Degree Rating

200 Ft. Luffing Jib 168 Degree Boom to Luffing Jib Angle

Boom Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	135,000 Lb. Hanging Counterweight		225,000 Lb. Hanging Counterweight		Boom 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	
260 Ft. BOOM							
40	83.0	267.7	88,700	257,600 *	177,100	257,600 *	40
42	82.5	267.4	78,100	254,100 *	161,600	254,100 *	42
44	82.1	267.1	68,600	250,500 *	147,800	250,500 *	44
46	81.7	266.8	60,100	246,900 *	135,300	246,900 *	46
48	81.2	266.5	52,400	243,400 *	123,900	243,400 *	48
50	80.8	266.2	45,300	234,100 *	113,600	239,900 *	50
55	79.6	265.2	30,300	207,000 *	91,500	231,200 *	55
60	78.5	264.2	17,900	184,200 *	73,400	214,100 *	60
65	77.4	263.1	7,700	161,700	58,400	192,400 *	65
70	76.3	261.9		141,500	45,800	173,800 *	70
75	75.1	260.5		124,400	35,000	157,600 *	75
80	74.0	259.1		109,800	25,600	143,400 *	80
85	72.8	257.5		97,200	17,400	130,800 *	85
90	71.7	255.9		86,200	10,200	119,600 *	90
95	70.5	254.1		76,500	3,800	109,400	95
100	69.3	252.2		67,900		99,000	100
105	68.1	250.2		60,200		89,600	105
110	66.9	248.1		53,300		81,200	110
115	65.7	245.8		47,000		73,600	115
120	64.5	243.4		40,600 *		66,700	120
125	63.3	240.9		34,500 *		59,700 *	125
130	62.0	238.2		28,900 *		53,100 *	130
135	60.7	235.4		23,700 *		46,900 *	135
140	59.5	232.5		18,900 *		41,200 *	140
145	58.2	229.4		14,500 *		36,000 *	145
150	56.9	226.1		10,300 *		31,100 *	150
155	55.5	222.7				26,500 *	155
160	54.2	219.1				22,200 *	160
165	52.8	215.3				18,200 *	165
170	51.4	211.3				14,500 *	170
175	49.9	207.1				11,000 *	175



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
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. Hanging Counterweight
360 Degree Rating

**200 Ft. Luffing Jib
168 Degree Boom to Luffing Jib Angle**

Boom Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	225,000 Lb. Hanging Counterweight	
			Minimum Boom Capacity To Swing and Travel Pounds	Boom Capacity Pounds
280 Ft. BOOM				
44	82.7	287.3	150,400	219,900 *
46	82.3	287.1	137,700	216,700 *
48	81.8	286.8	126,300	213,500 *
50	81.4	286.4	115,900	210,400 *
55	80.4	285.6	93,500	202,500 *
60	79.4	284.6	75,200	194,700 *
65	78.3	283.6	60,100	187,100 *
70	77.3	282.5	47,300	173,800 *
75	76.2	281.2	36,300	157,600 *
80	75.1	279.9	26,800	143,400 *
85	74.1	278.5	18,600	130,800 *
90	73.0	276.9	11,300	119,600 *
95	71.9	275.3	4,800	109,500 *
100	70.9	273.6		99,400
105	69.8	271.7		90,000
110	68.7	269.7		81,600
115	67.6	267.7		74,000
120	66.4	265.5		67,100
125	65.3	263.2		60,600 *
130	64.2	260.8		53,900 *
135	63.0	258.2		47,700 *
140	61.9	255.5		42,000 *
145	60.7	252.7		36,700 *
150	59.5	249.8		31,800 *
155	58.3	246.7		27,200 *
160	57.1	243.5		22,900 *
165	55.8	240.1		18,800 *
170	54.6	236.5		15,100 *
175	53.3	232.8		11,500 *

**200 Ft. Luffing Jib
168 Degree Boom to Luffing Jib Angle**

Boom Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	225,000 Lb. Hanging Counterweight	
			Minimum Boom Capacity To Swing and Travel Pounds	Boom Capacity Pounds
300 Ft. BOOM				
50	82.0	306.7	117,200	156,500 *
55	81.0	305.9	94,700	150,600 *
60	80.1	305.0	76,200	144,700 *
65	79.1	304.0	60,900	138,700 *
70	78.1	303.0	48,000	132,900 *
75	77.1	301.8	36,900	127,100 *
80	76.2	300.6	27,300	121,400 *
85	75.2	299.3	19,000	115,700 *
90	74.2	297.8	11,600	110,200 *
95	73.2	296.3	5,100	104,800 *
100	72.2	294.7		99,300
105	71.2	293.0		89,900
110	70.2	291.2		81,400
115	69.1	289.3		73,800
120	68.1	287.3		66,900
125	67.1	285.1		60,600
130	66.0	282.9		54,100 *
135	65.0	280.6		47,900 *
140	63.9	278.1		42,100 *
145	62.8	275.6		36,800 *
150	61.7	272.9		31,800 *
155	60.6	270.1		27,200 *
160	59.5	267.1		22,900 *
165	58.4	264.0		18,800 *
170	57.3	260.8		15,000 *
175	56.1	257.5		11,500 *