

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. Wheeled 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 (*).

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

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** 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. 7760-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 wheeled counterweight as specified.

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

Consult chart series **No. 7725** 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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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. Wheeled Counterweight Boom Capacity Pounds	55,000 Lb. Wheeled Counterweight Boom Capacity Pounds	135,000 Lb. Wheeled Counterweight Boom Capacity Pounds	225,000 Lb. Wheeled Counterweight Boom Capacity Pounds	Boom Oper. Rad. Feet
140 Ft. BOOM							
26	82.7	148.5	426,900 *	469,300 *	480,000 *	480,000 *	26
28	81.9	148.2	395,200 *	434,800 *	480,000 *	480,000 *	28
30	81.1	147.9	367,400 *	404,500 *	455,800 *	480,000 *	30
32	80.2	147.5	342,800 *	377,800 *	426,100 *	480,000 *	32
34	79.4	147.1	321,000 *	354,000 *	399,700 *	451,000 *	34
36	78.6	146.6	296,200	332,800 *	376,000 *	424,700 *	36
38	77.7	146.2	270,100	313,700 *	354,700 *	400,900 *	38
40	76.9	145.7	247,800	296,300 *	335,500 *	379,500 *	40
42	76.0	145.2	228,300	280,600 *	317,900 *	360,000 *	42
44	75.2	144.6	211,200	264,600	301,900 *	342,100 *	44
46	74.3	144.0	196,100	246,400	287,300 *	325,800 *	46
48	73.5	143.4	182,700	230,200	273,800 *	310,800 *	48
50	72.6	142.7	170,600	215,700	261,300 *	296,900 *	50
55	70.4	141.0	145,300	185,200	234,000 *	266,400 *	55
60	68.2	138.9	125,100	161,000	211,100 *	240,900 *	60
65	66.0	136.7	108,800	141,300	187,000	219,200 *	65
70	63.7	134.2	95,200	124,900	166,700	200,400 *	70
75	61.4	131.5	83,700	111,100	149,600	184,100 *	75
80	59.0	128.5	73,900	99,300	135,000	169,800 *	80
85	56.5	125.2	65,500	89,200	122,400	157,200 *	85

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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. Wheeled Counterweight Boom Capacity Pounds	55,000 Lb. Wheeled Counterweight Boom Capacity Pounds	135,000 Lb. Wheeled Counterweight Boom Capacity Pounds	225,000 Lb. Wheeled Counterweight Boom Capacity Pounds	Boom Oper. Rad. Feet
160 Ft. BOOM							
28	82.9	168.4	394,200 *	433,800 *	480,000 *	480,000 *	28
30	82.2	168.1	366,500 *	403,600 *	454,900 *	480,000 *	30
32	81.5	167.8	342,000 *	377,000 *	425,300 *	479,600 *	32
34	80.7	167.5	320,200 *	353,300 *	398,900 *	450,200 *	34
36	80.0	167.1	296,600	332,000 *	375,300 *	423,900 *	36
38	79.3	166.7	270,500	312,900 *	354,000 *	400,200 *	38
40	78.6	166.2	248,100	295,600 *	334,800 *	378,800 *	40
42	77.8	165.8	228,600	279,900 *	317,300 *	359,300 *	42
44	77.1	165.3	211,500	264,900	301,300 *	341,500 *	44
46	76.3	164.8	196,400	246,700	286,700 *	325,200 *	46
48	75.6	164.3	182,900	230,500	273,200 *	310,200 *	48
50	74.9	163.7	170,800	215,900	260,700 *	296,300 *	50
55	73.0	162.1	145,400	185,400	233,400 *	265,900 *	55
60	71.1	160.4	125,200	161,100	210,500 *	240,400 *	60
65	69.2	158.5	108,800	141,300	187,000	218,600 *	65
70	67.2	156.4	95,200	125,000	166,800	199,900 *	70
75	65.3	154.1	83,700	111,100	149,700	183,700 *	75
80	63.3	151.6	73,900	99,300	135,100	169,400 *	80
85	61.2	148.8	65,500	89,100	122,400	156,700 *	85
90	59.1	145.8	58,100	80,200	111,400	145,400 *	90
95	57.0	142.6	51,500	72,400	101,700	134,700	95



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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. Wheeled Counterweight Boom Capacity Pounds	55,000 Lb. Wheeled Counterweight Boom Capacity Pounds	135,000 Lb. Wheeled Counterweight Boom Capacity Pounds	225,000 Lb. Wheeled Counterweight Boom Capacity Pounds	Boom Oper. Rad. Feet
180 Ft. BOOM							
32	82.4	188.1	338,800 *	373,800 *	422,100 *	476,400 *	32
34	81.8	187.7	317,100 *	350,100 *	395,700 *	447,000 *	34
36	81.1	187.4	295,800	328,900 *	372,100 *	420,700 *	36
38	80.5	187.1	269,600	309,800 *	350,800 *	397,000 *	38
40	79.8	186.7	247,000	292,500 *	331,600 *	375,600 *	40
42	79.2	186.3	227,400	276,800 *	314,100 *	356,100 *	42
44	78.5	185.8	210,100	262,400 *	298,100 *	338,300 *	44
46	77.9	185.4	194,900	245,200	283,500 *	322,000 *	46
48	77.2	184.9	181,300	228,900	270,000 *	307,000 *	48
50	76.6	184.4	169,100	214,300	257,500 *	293,100 *	50
55	74.9	183.1	143,600	183,500	230,200 *	262,700 *	55
60	73.3	181.5	123,300	159,100	207,300 *	237,200 *	60
65	71.6	179.9	106,700	139,200	184,900	215,400 *	65
70	69.9	178.0	93,000	122,700	164,500	196,700 *	70
75	68.2	176.0	81,400	108,800	147,300	180,400 *	75
80	66.4	173.8	71,500	96,900	132,700	166,100 *	80
85	64.7	171.5	63,000	86,700	120,000	153,500 *	85
90	62.9	168.9	55,500	77,700	108,900	142,200 *	90
95	61.1	166.1	49,000	69,800	99,100	132,000 *	95
100	59.2	163.2	43,100	62,800	90,400	121,500	100
105	57.3	160.0	37,900	56,500	82,700	112,100	105

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



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

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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. Wheeled Counterweight Boom Capacity Pounds	135,000 Lb. Wheeled Counterweight Boom Capacity Pounds	225,000 Lb. Wheeled Counterweight Boom Capacity Pounds	Boom Oper. Rad. Feet
240 Ft. BOOM						
38	82.9	247.8	308,300 *	338,500 *	338,500 *	38
40	82.4	247.5	291,000 *	330,100 *	338,500 *	40
42	81.9	247.2	275,300 *	312,600 *	338,500 *	42
44	81.4	246.9	260,900 *	296,700 *	336,900 *	44
46	81.0	246.6	246,500	282,000 *	320,600 *	46
48	80.5	246.2	230,100	268,600 *	305,500 *	48
50	80.0	245.8	215,300	256,100 *	291,700 *	50
55	78.8	244.8	184,300	228,800 *	261,300 *	55
60	77.5	243.7	159,700	206,000 *	235,800 *	60
65	76.3	242.5	139,700	185,300	214,100 *	65
70	75.1	241.2	123,000	164,800	195,400 *	70
75	73.8	239.7	109,000	147,500	179,100 *	75
80	72.6	238.1	97,000	132,700	164,800 *	80
85	71.3	236.4	86,600	119,900	152,100 *	85
90	70.1	234.6	77,600	108,800	140,800 *	90
95	68.8	232.7	69,600	98,900	130,700 *	95
100	67.5	230.6	62,500	90,200	121,300	100
105	66.2	228.4	56,200	82,400	111,800	105
110	64.9	226.0	50,500	75,400	103,300	110
115	63.5	223.5	45,400	69,000	95,600	115
120	62.2	220.9	40,700	63,300	88,600	120
125	60.8	218.1	36,400	58,000	82,300	125
130	59.4	215.1	32,500	53,200	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



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Luffing Jib No. 133 or No. 133A
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60,000 Lb. Carbody Counterweight
0 Lb. Thru 225,000 Lb. Wheeled Counterweight
360 Degree Rating

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

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260 Ft. BOOM				
40	83.0	267.7	271,700 *	271,700 *
42	82.5	267.4	268,300 *	268,300 *
44	82.1	267.1	264,900 *	264,900 *
46	81.7	266.8	261,500 *	261,500 *
48	81.2	266.5	258,100 *	258,100 *
50	80.8	266.2	254,800 *	254,800 *
55	79.6	265.2	228,000 *	246,500 *
60	78.5	264.2	205,100 *	234,900 *
65	77.4	263.1	185,000	213,200 *
70	76.3	261.9	164,500	194,600 *
75	75.1	260.5	147,100	178,300 *
80	74.0	259.1	132,300	164,000 *
85	72.8	257.5	119,500	151,300 *
90	71.7	255.9	108,300	140,100 *
95	70.5	254.1	98,500	129,900 *
100	69.3	252.2	89,700	120,800 *
105	68.1	250.2	81,900	111,400
110	66.9	248.1	74,900	102,800
115	65.7	245.8	68,500	95,100
120	64.5	243.4	62,800	88,200
125	63.3	240.9	57,500	81,800
130	62.0	238.2	52,700	75,900
135	60.7	235.4	48,200	70,600
140	59.5	232.5	44,200	65,600
145	58.2	229.4	40,400	61,000
150	56.9	226.1	36,800	56,700

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

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280 Ft. BOOM				
44	82.7	287.3	231,200 *	231,200 *
46	82.3	287.1	228,400 *	228,400 *
48	81.8	286.8	225,400 *	225,400 *
50	81.4	286.4	222,500 *	222,500 *
55	80.4	285.6	215,200 *	215,200 *
60	79.4	284.6	204,600 *	208,000 *
65	78.3	283.6	185,000	200,900 *
70	77.3	282.5	164,400	194,000 *
75	76.2	281.2	147,000	177,700 *
80	75.1	279.9	132,200	163,400 *
85	74.1	278.5	119,300	150,800 *
90	73.0	276.9	108,100	139,500 *
95	71.9	275.3	98,300	129,400 *
100	70.9	273.6	89,500	120,200 *
105	69.8	271.7	81,700	111,100
110	68.7	269.7	74,600	102,600
115	67.6	267.7	68,300	94,900
120	66.4	265.5	62,500	87,900
125	65.3	263.2	57,200	81,500
130	64.2	260.8	52,400	75,600
135	63.0	258.2	47,900	70,200
140	61.9	255.5	43,800	65,300
145	60.7	252.7	40,000	60,700
150	59.5	249.8	36,500	56,400
155	58.3	246.7	33,200	52,400
160	57.1	243.5	30,100	48,700



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. Wheeled 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. Wheeled Counterweight Boom Capacity Pounds
300 Ft. BOOM			
46	82.8	307.3	171,500 *
48	82.4	307.0	169,400 *
50	82.0	306.7	167,300 *
55	81.0	305.9	161,900 *
60	80.1	305.0	156,500 *
65	79.1	304.0	151,100 *
70	78.1	303.0	145,700 *
75	77.1	301.8	140,400 *
80	76.2	300.6	135,200 *
85	75.2	299.3	130,000 *
90	74.2	297.8	125,000 *
95	73.2	296.3	120,000 *
100	72.2	294.7	115,100 *
105	71.2	293.0	110,300 *
110	70.2	291.2	101,900
115	69.1	289.3	94,100
120	68.1	287.3	87,100
125	67.1	285.1	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. Wheeled 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. Wheeled Counterweight Boom Capacity Pounds	55,000 Lb. Wheeled Counterweight Boom Capacity Pounds	135,000 Lb. Wheeled Counterweight Boom Capacity Pounds	225,000 Lb. Wheeled Counterweight Boom Capacity Pounds	Boom Oper. Rad. Feet
140 Ft. BOOM							
26	82.7	148.5	425,100 *	467,500 *	480,000 *	480,000 *	26
28	81.9	148.2	393,300 *	432,900 *	480,000 *	480,000 *	28
30	81.1	147.9	365,500 *	402,600 *	453,900 *	480,000 *	30
32	80.2	147.5	340,900 *	375,900 *	424,200 *	478,500 *	32
34	79.4	147.1	319,100 *	352,100 *	397,700 *	449,100 *	34
36	78.6	146.6	293,800	330,900 *	374,100 *	422,700 *	36
38	77.7	146.2	267,800	311,700 *	352,800 *	399,000 *	38
40	76.9	145.7	245,400	294,400 *	333,500 *	377,500 *	40
42	76.0	145.2	226,000	278,600 *	316,000 *	358,000 *	42
44	75.2	144.6	208,900	262,300	300,000 *	340,200 *	44
46	74.3	144.0	193,800	244,100	285,300 *	323,800 *	46
48	73.5	143.4	180,300	227,900	271,800 *	308,800 *	48
50	72.6	142.7	168,300	213,400	259,300 *	294,900 *	50
55	70.4	141.0	143,000	182,900	232,000 *	264,400 *	55
60	68.2	138.9	122,900	158,700	209,100 *	238,900 *	60
65	66.0	136.7	106,500	139,000	184,700	217,100 *	65
70	63.7	134.2	92,900	122,700	164,500	198,400 *	70
75	61.4	131.5	81,500	108,900	147,400	182,100 *	75
80	59.0	128.5	71,700	97,100	132,800	167,800 *	80
85	56.5	125.2	63,300	86,900	120,200	155,100 *	85
90	54.0	121.6	55,900	78,000	109,200	142,400 *	90
95	51.4	117.6	49,400	70,200	99,500	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. Wheeled 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. Wheeled Counterweight Boom Capacity Pounds	55,000 Lb. Wheeled Counterweight Boom Capacity Pounds	135,000 Lb. Wheeled Counterweight Boom Capacity Pounds	225,000 Lb. Wheeled Counterweight Boom Capacity Pounds	Boom Oper. Rad. Feet
160 Ft. BOOM							
28	82.9	168.4	392,500 *	432,000 *	480,000 *	480,000 *	28
30	82.2	168.1	364,700 *	401,800 *	453,100 *	480,000 *	30
32	81.5	167.8	340,200 *	375,100 *	423,500 *	477,800 *	32
34	80.7	167.5	318,400 *	351,400 *	397,100 *	448,400 *	34
36	80.0	167.1	294,300	330,200 *	373,400 *	422,100 *	36
38	79.3	166.7	268,300	311,100 *	352,200 *	398,400 *	38
40	78.6	166.2	245,900	293,800 *	332,900 *	376,900 *	40
42	77.8	165.8	226,400	278,100 *	315,400 *	357,400 *	42
44	77.1	165.3	209,300	262,700	299,400 *	339,600 *	44
46	76.3	164.8	194,200	244,500	284,800 *	323,300 *	46
48	75.6	164.3	180,700	228,300	271,300 *	308,300 *	48
50	74.9	163.7	168,600	213,800	258,800 *	294,400 *	50
55	73.0	162.1	143,300	183,200	231,500 *	264,000 *	55
60	71.1	160.4	123,100	159,000	208,600 *	238,500 *	60
65	69.2	158.5	106,700	139,200	184,900	216,700 *	65
70	67.2	156.4	93,100	122,900	164,700	198,000 *	70
75	65.3	154.1	81,700	109,100	147,600	181,700 *	75
80	63.3	151.6	71,900	97,300	133,000	167,400 *	80
85	61.2	148.8	63,400	87,100	120,300	154,800 *	85
90	59.1	145.8	56,000	78,200	109,300	143,500 *	90
95	57.0	142.6	49,500	70,300	99,600	132,600	95
100	54.8	139.1	43,700	63,400	91,000	122,100	100
105	52.6	135.3	38,500	57,100	83,300	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. Wheeled 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. Wheeled Counterweight Boom Capacity Pounds	55,000 Lb. Wheeled Counterweight Boom Capacity Pounds	135,000 Lb. Wheeled Counterweight Boom Capacity Pounds	225,000 Lb. Wheeled Counterweight Boom Capacity Pounds	Boom Oper. Rad. Feet
180 Ft. BOOM							
32	82.4	188.1	337,100 *	372,000 *	420,400 *	474,700 *	32
34	81.8	187.7	315,300 *	348,300 *	394,000 *	445,300 *	34
36	81.1	187.4	293,700	327,100 *	370,300 *	419,000 *	36
38	80.5	187.1	267,500	308,000 *	349,100 *	395,300 *	38
40	79.8	186.7	244,900	290,700 *	329,800 *	373,800 *	40
42	79.2	186.3	225,300	275,000 *	312,300 *	354,300 *	42
44	78.5	185.8	208,100	260,600 *	296,300 *	336,500 *	44
46	77.9	185.4	192,800	243,200	281,700 *	320,200 *	46
48	77.2	184.9	179,300	226,900	268,200 *	305,200 *	48
50	76.6	184.4	167,100	212,200	255,700 *	291,300 *	50
55	74.9	183.1	141,500	181,500	228,400 *	260,900 *	55
60	73.3	181.5	121,200	157,100	205,500 *	235,300 *	60
65	71.6	179.9	104,700	137,200	182,900	213,600 *	65
70	69.9	178.0	91,000	120,700	162,500	194,900 *	70
75	68.2	176.0	79,400	106,800	145,400	178,600 *	75
80	66.4	173.8	69,600	95,000	130,700	164,300 *	80
85	64.7	171.5	61,000	84,700	118,000	151,600 *	85
90	62.9	168.9	53,600	75,700	106,900	140,300 *	90
95	61.1	166.1	47,000	67,800	97,100	130,100	95
100	59.2	163.2	41,200	60,800	88,500	119,600	100
105	57.3	160.0	35,900	54,600	80,700	110,200	105
110	55.4	156.5	31,300	48,900	73,800	101,700	110
115	53.4	152.8	27,000	43,800	67,500	94,100	115
120	51.4	148.8	23,200	39,200	61,800	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. Wheeled 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. Wheeled Counterweight Boom Capacity Pounds	55,000 Lb. Wheeled Counterweight Boom Capacity Pounds	135,000 Lb. Wheeled Counterweight Boom Capacity Pounds	225,000 Lb. Wheeled Counterweight Boom Capacity Pounds	Boom Oper. Rad. Feet
200 Ft. BOOM							
34	82.6	208.0	314,900 *	347,900 *	393,600 *	444,900 *	34
36	82.0	207.7	294,900	326,700 *	369,900 *	418,600 *	36
38	81.5	207.4	268,600	307,600 *	348,700 *	394,900 *	38
40	80.9	207.0	245,900	290,300 *	329,400 *	373,400 *	40
42	80.3	206.6	226,200	274,600 *	311,900 *	354,000 *	42
44	79.7	206.3	208,900	260,200 *	296,000 *	336,100 *	44
46	79.1	205.9	193,600	243,900	281,300 *	319,800 *	46
48	78.5	205.4	180,000	227,600	267,800 *	304,800 *	48
50	78.0	205.0	167,700	212,900	255,400 *	290,900 *	50
55	76.5	203.8	142,100	182,000	228,100 *	260,500 *	55
60	75.0	202.4	121,700	157,500	205,100 *	235,000 *	60
65	73.5	200.9	105,100	137,600	183,300	213,200 *	65
70	72.0	199.3	91,300	121,000	162,800	194,500 *	70
75	70.5	197.5	79,700	107,100	145,600	178,200 *	75
80	68.9	195.6	69,700	95,100	130,800	163,900 *	80
85	67.4	193.5	61,100	84,800	118,100	151,200 *	85
90	65.8	191.3	53,600	75,800	107,000	139,900 *	90
95	64.2	188.8	47,000	67,900	97,200	129,800 *	95
100	62.6	186.2	41,200	60,800	88,500	119,600	100
105	61.0	183.5	35,900	54,500	80,700	110,200	105
110	59.3	180.5	31,200	48,900	73,700	101,700	110
115	57.6	177.3	26,900	43,800	67,400	94,000	115
120	55.9	173.9	23,100	39,100	61,700	87,100	120
125	54.1	170.3	19,500	34,900	56,500	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. Wheeled 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. Wheeled Counterweight Boom Capacity Pounds	55,000 Lb. Wheeled Counterweight Boom Capacity Pounds	135,000 Lb. Wheeled Counterweight Boom Capacity Pounds	225,000 Lb. Wheeled Counterweight Boom Capacity Pounds	Boom Oper. Rad. Feet
220 Ft. BOOM							
36	82.8	227.9	294,900 *	326,200 *	360,600 *	360,600 *	36
38	82.2	227.6	269,300	307,100 *	348,200 *	360,600 *	38
40	81.7	227.3	246,500	289,800 *	328,900 *	360,600 *	40
42	81.2	227.0	226,800	274,100 *	311,400 *	353,500 *	42
44	80.7	226.6	209,400	259,800 *	295,500 *	335,700 *	44
46	80.1	226.2	194,100	244,400	280,800 *	319,300 *	46
48	79.6	225.9	180,400	228,000	267,400 *	304,300 *	48
50	79.1	225.5	168,100	213,300	254,900 *	290,500 *	50
55	77.7	224.4	142,400	182,300	227,600 *	260,100 *	55
60	76.4	223.1	121,900	157,800	204,700 *	234,500 *	60
65	75.0	221.8	105,300	137,800	183,500	212,800 *	65
70	73.7	220.3	91,400	121,200	163,000	194,100 *	70
75	72.3	218.7	79,800	107,200	145,700	177,800 *	75
80	70.9	217.0	69,800	95,200	130,900	163,500 *	80
85	69.5	215.1	61,200	84,900	118,200	150,800 *	85
90	68.1	213.1	53,700	75,900	107,000	139,500 *	90
95	66.7	211.0	47,100	67,900	97,200	129,400 *	95
100	65.3	208.6	41,200	60,800	88,500	119,600	100
105	63.8	206.2	35,900	54,500	80,700	110,200	105
110	62.4	203.6	31,200	48,900	73,700	101,700	110
115	60.9	200.8	26,900	43,700	67,400	94,000	115
120	59.4	197.8	23,000	39,100	61,600	87,000	120
125	57.8	194.7	19,500	34,800	56,400	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. Wheeled 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. Wheeled Counterweight Boom Capacity Pounds	135,000 Lb. Wheeled Counterweight Boom Capacity Pounds	225,000 Lb. Wheeled Counterweight Boom Capacity Pounds	Boom Oper. Rad. Feet
240 Ft. BOOM						
38	82.9	247.8	306,600 *	336,600 *	336,600 *	38
40	82.4	247.5	289,400 *	328,500 *	336,600 *	40
42	81.9	247.2	273,700 *	311,000 *	336,600 *	42
44	81.4	246.9	259,300 *	295,000 *	335,200 *	44
46	81.0	246.6	244,700	280,400 *	318,900 *	46
48	80.5	246.2	228,200	266,900 *	303,900 *	48
50	80.0	245.8	213,500	254,500 *	290,100 *	50
55	78.8	244.8	182,500	227,200 *	259,700 *	55
60	77.5	243.7	157,900	204,300 *	234,100 *	60
65	76.3	242.5	137,900	183,600	212,400 *	65
70	75.1	241.2	121,200	163,000	193,700 *	70
75	73.8	239.7	107,200	145,700	177,400 *	75
80	72.6	238.1	95,200	130,900	163,100 *	80
85	71.3	236.4	84,900	118,200	150,500 *	85
90	70.1	234.6	75,800	107,000	139,200 *	90
95	68.8	232.7	67,900	97,200	129,000 *	95
100	67.5	230.6	60,800	88,400	119,500	100
105	66.2	228.4	54,500	80,600	110,100	105
110	64.9	226.0	48,800	73,600	101,600	110
115	63.5	223.5	43,600	67,300	93,900	115
120	62.2	220.9	39,000	61,500	86,900	120
125	60.8	218.1	34,700	56,300	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. Wheeled 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. Wheeled Counterweight Boom Capacity Pounds	225,000 Lb. Wheeled Counterweight Boom Capacity Pounds
260 Ft. BOOM				
40	83.0	267.7	271,600 *	271,600 *
42	82.5	267.4	268,200 *	268,200 *
44	82.1	267.1	264,700 *	264,700 *
46	81.7	266.8	261,300 *	261,300 *
48	81.2	266.5	257,900 *	257,900 *
50	80.8	266.2	253,700 *	254,500 *
55	79.6	265.2	226,400 *	246,100 *
60	78.5	264.2	203,500 *	233,300 *
65	77.4	263.1	183,300	211,600 *
70	76.3	261.9	162,700	192,900 *
75	75.1	260.5	145,400	176,700 *
80	74.0	259.1	130,600	162,400 *
85	72.8	257.5	117,800	149,700 *
90	71.7	255.9	106,600	138,400 *
95	70.5	254.1	96,800	128,300 *
100	69.3	252.2	88,000	119,100
105	68.1	250.2	80,200	109,700
110	66.9	248.1	73,200	101,200
115	65.7	245.8	66,800	93,500
120	64.5	243.4	61,100	86,500
125	63.3	240.9	55,800	80,100
130	62.0	238.2	51,000	74,200
135	60.7	235.4	46,600	68,900
140	59.5	232.5	42,500	63,900
145	58.2	229.4	38,700	59,300
150	56.9	226.1	35,200	55,000
155	55.5	222.7	31,900 *	51,100
160	54.2	219.1	28,200 *	47,400
165	52.8	215.3	24,800 *	43,600 *
170	51.4	211.3	21,600 *	39,800 *



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

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. Wheeled 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. Wheeled Counterweight Boom Capacity Pounds
300 Ft. BOOM			
46	82.8	307.3	171,500 *
48	82.4	307.0	169,300 *
50	82.0	306.7	167,100 *
55	81.0	305.9	161,700 *
60	80.1	305.0	156,200 *
65	79.1	304.0	150,700 *
70	78.1	303.0	145,300 *
75	77.1	301.8	139,900 *
80	76.2	300.6	134,600 *
85	75.2	299.3	129,300 *
90	74.2	297.8	124,200 *
95	73.2	296.3	119,200 *
100	72.2	294.7	114,300 *
105	71.2	293.0	108,800
110	70.2	291.2	100,200
115	69.1	289.3	92,500
120	68.1	287.3	85,500
125	67.1	285.1	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. Wheeled 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. Wheeled Counterweight Boom Capacity Pounds	55,000 Lb. Wheeled Counterweight Boom Capacity Pounds	135,000 Lb. Wheeled Counterweight Boom Capacity Pounds	225,000 Lb. Wheeled Counterweight Boom Capacity Pounds	Boom Oper. Rad. Feet
140 Ft. BOOM							
26	82.7	148.5	421,500 *	463,900 *	480,000 *	480,000 *	26
28	81.9	148.2	389,900 *	429,500 *	480,000 *	480,000 *	28
30	81.1	147.9	362,200 *	399,300 *	450,600 *	480,000 *	30
32	80.2	147.5	337,700 *	372,700 *	421,000 *	475,300 *	32
34	79.4	147.1	316,000 *	349,000 *	394,600 *	446,000 *	34
36	78.6	146.6	289,500	327,800 *	371,100 *	419,700 *	36
38	77.7	146.2	263,700	308,800 *	349,800 *	396,100 *	38
40	76.9	145.7	241,500	291,500 *	330,600 *	374,700 *	40
42	76.0	145.2	222,200	275,800 *	313,200 *	355,200 *	42
44	75.2	144.6	205,300	258,700	297,200 *	337,400 *	44
46	74.3	144.0	190,300	240,700	282,600 *	321,100 *	46
48	73.5	143.4	177,000	224,600	269,200 *	306,100 *	48
50	72.6	142.7	165,000	210,200	256,700 *	292,300 *	50
55	70.4	141.0	139,900	179,900	229,500 *	261,900 *	55
60	68.2	138.9	120,000	155,900	206,200	236,500 *	60
65	66.0	136.7	103,800	136,300	182,000	214,800 *	65
70	63.7	134.2	90,300	120,100	161,900	196,200 *	70
75	61.4	131.5	79,000	106,400	144,900	179,900 *	75
80	59.0	128.5	69,300	94,700	130,400	165,600 *	80
85	56.5	125.2	60,900	84,600	117,900	153,000 *	85
90	54.0	121.6	53,600	75,800	106,900	139,500 *	90
95	51.4	117.6	47,200	68,000	97,300	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. Wheeled 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. Wheeled Counterweight Boom Capacity Pounds	55,000 Lb. Wheeled Counterweight Boom Capacity Pounds	135,000 Lb. Wheeled Counterweight Boom Capacity Pounds	225,000 Lb. Wheeled Counterweight Boom Capacity Pounds	Boom Oper. Rad. Feet
160 Ft. BOOM							
28	82.9	168.4	389,100 *	428,700 *	480,000 *	480,000 *	28
30	82.2	168.1	361,500 *	398,600 *	449,900 *	480,000 *	30
32	81.5	167.8	337,100 *	372,000 *	420,300 *	474,700 *	32
34	80.7	167.5	315,400 *	348,400 *	394,000 *	445,400 *	34
36	80.0	167.1	290,100	327,300 *	370,500 *	419,100 *	36
38	79.3	166.7	264,300	308,200 *	349,300 *	395,500 *	38
40	78.6	166.2	242,100	291,000 *	330,100 *	374,100 *	40
42	77.8	165.8	222,800	275,300 *	312,700 *	354,700 *	42
44	77.1	165.3	205,800	259,200	296,800 *	336,900 *	44
46	76.3	164.8	190,800	241,200	282,200 *	320,700 *	46
48	75.6	164.3	177,500	225,000	268,700 *	305,700 *	48
50	74.9	163.7	165,500	210,600	256,300 *	291,900 *	50
55	73.0	162.1	140,300	180,300	229,100 *	261,600 *	55
60	71.1	160.4	120,300	156,200	206,300 *	236,100 *	60
65	69.2	158.5	104,100	136,600	182,300	214,500 *	65
70	67.2	156.4	90,600	120,300	162,100	195,800 *	70
75	65.3	154.1	79,200	106,600	145,100	179,600 *	75
80	63.3	151.6	69,500	94,900	130,600	165,400 *	80
85	61.2	148.8	61,100	84,800	118,100	152,800 *	85
90	59.1	145.8	53,800	76,000	107,100	141,500 *	90
95	57.0	142.6	47,300	68,200	97,500	130,400	95
100	54.8	139.1	41,600	61,300	88,900	120,000	100
105	52.6	135.3	36,500	55,100	81,300	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. Wheeled 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. Wheeled Counterweight Boom Capacity Pounds	55,000 Lb. Wheeled Counterweight Boom Capacity Pounds	135,000 Lb. Wheeled Counterweight Boom Capacity Pounds	225,000 Lb. Wheeled Counterweight Boom Capacity Pounds	Boom Oper. Rad. Feet
180 Ft. BOOM							
32	82.4	188.1	334,000 *	369,000 *	417,300 *	471,600 *	32
34	81.8	187.7	312,300 *	345,300 *	391,000 *	442,300 *	34
36	81.1	187.4	289,600	324,200 *	367,400 *	416,100 *	36
38	80.5	187.1	263,600	305,200 *	346,300 *	392,500 *	38
40	79.8	186.7	241,200	288,000 *	327,100 *	371,100 *	40
42	79.2	186.3	221,800	272,300 *	309,600 *	351,700 *	42
44	78.5	185.8	204,700	258,000 *	293,700 *	333,900 *	44
46	77.9	185.4	189,600	239,900	279,100 *	317,600 *	46
48	77.2	184.9	176,100	223,700	265,700 *	302,700 *	48
50	76.6	184.4	164,000	209,100	253,300 *	288,800 *	50
55	74.9	183.1	138,700	178,600	226,100 *	258,500 *	55
60	73.3	181.5	118,500	154,400	203,200 *	233,100 *	60
65	71.6	179.9	102,100	134,700	180,300	211,400 *	65
70	69.9	178.0	88,500	118,300	160,100	192,800 *	70
75	68.2	176.0	77,100	104,500	143,000	176,500 *	75
80	66.4	173.8	67,300	92,700	128,400	162,300 *	80
85	64.7	171.5	58,800	82,500	115,800	149,600 *	85
90	62.9	168.9	51,400	73,600	104,800	138,400 *	90
95	61.1	166.1	44,900	65,800	95,100	128,000	95
100	59.2	163.2	39,100	58,800	86,400	117,600	100
105	57.3	160.0	34,000	52,600	78,800	108,200	105
110	55.4	156.5	29,300	47,000	71,800	99,800	110
115	53.4	152.8	25,100	41,900	65,600	92,200	115
120	51.4	148.8	21,300	37,400	59,900	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. Wheeled 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. Wheeled Counterweight Boom Capacity Pounds	55,000 Lb. Wheeled Counterweight Boom Capacity Pounds	135,000 Lb. Wheeled Counterweight Boom Capacity Pounds	225,000 Lb. Wheeled Counterweight Boom Capacity Pounds	Boom Oper. Rad. Feet
200 Ft. BOOM							
34	82.6	208.0	312,000 *	345,000 *	390,600 *	442,000 *	34
36	82.0	207.7	290,900	323,900 *	367,100 *	415,700 *	36
38	81.5	207.4	264,800	304,800 *	345,900 *	392,100 *	38
40	80.9	207.0	242,300	287,600 *	326,700 *	370,800 *	40
42	80.3	206.6	222,700	272,000 *	309,300 *	351,300 *	42
44	79.7	206.3	205,600	257,700 *	293,400 *	333,600 *	44
46	79.1	205.9	190,400	240,700	278,800 *	317,300 *	46
48	78.5	205.4	176,900	224,400	265,400 *	302,300 *	48
50	78.0	205.0	164,700	209,900	252,900 *	288,500 *	50
55	76.5	203.8	139,300	179,200	225,700 *	258,200 *	55
60	75.0	202.4	119,000	154,900	202,900 *	232,700 *	60
65	73.5	200.9	102,600	135,100	180,800	211,100 *	65
70	72.0	199.3	88,900	118,600	160,400	192,400 *	70
75	70.5	197.5	77,400	104,800	143,300	176,200 *	75
80	68.9	195.6	67,500	92,900	128,600	161,900 *	80
85	67.4	193.5	59,000	82,700	116,000	149,300 *	85
90	65.8	191.3	51,600	73,700	104,900	138,000 *	90
95	64.2	188.8	45,000	65,800	95,200	127,900 *	95
100	62.6	186.2	39,200	58,900	86,500	117,600	100
105	61.0	183.5	34,000	52,600	78,800	108,200	105
110	59.3	180.5	29,300	47,000	71,800	99,800	110
115	57.6	177.3	25,100	41,900	65,600	92,200	115
120	55.9	173.9	21,200	37,300	59,900	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. Wheeled 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. Wheeled Counterweight Boom Capacity Pounds	55,000 Lb. Wheeled Counterweight Boom Capacity Pounds	135,000 Lb. Wheeled Counterweight Boom Capacity Pounds	225,000 Lb. Wheeled Counterweight Boom Capacity Pounds	Boom Oper. Rad. Feet
220 Ft. BOOM							
36	82.8	227.9	291,700	323,400 *	357,500 *	357,500 *	36
38	82.2	227.6	265,500	304,400 *	345,400 *	357,500 *	38
40	81.7	227.3	243,000	287,200 *	326,300 *	357,500 *	40
42	81.2	227.0	223,300	271,500 *	308,900 *	350,900 *	42
44	80.7	226.6	206,100	257,200 *	292,900 *	333,100 *	44
46	80.1	226.2	190,900	241,200	278,400 *	316,900 *	46
48	79.6	225.9	177,300	224,900	264,900 *	301,900 *	48
50	79.1	225.5	165,200	210,300	252,500 *	288,100 *	50
55	77.7	224.4	139,600	179,600	225,300 *	257,800 *	55
60	76.4	223.1	119,300	155,200	202,500 *	232,400 *	60
65	75.0	221.8	102,800	135,300	181,000	210,700 *	65
70	73.7	220.3	89,100	118,800	160,600	192,100 *	70
75	72.3	218.7	77,500	104,900	143,400	175,800 *	75
80	70.9	217.0	67,700	93,100	128,800	161,600 *	80
85	69.5	215.1	59,100	82,800	116,100	148,900 *	85
90	68.1	213.1	51,600	73,800	105,000	137,700 *	90
95	66.7	211.0	45,100	65,900	95,200	127,600 *	95
100	65.3	208.6	39,200	58,900	86,600	117,700	100
105	63.8	206.2	34,000	52,600	78,800	108,300	105
110	62.4	203.6	29,300	47,000	71,900	99,800	110
115	60.9	200.8	25,100	41,900	65,600	92,200	115
120	59.4	197.8	21,200	37,300	59,800	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. Wheeled 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. Wheeled Counterweight Boom Capacity Pounds	135,000 Lb. Wheeled Counterweight Boom Capacity Pounds	225,000 Lb. Wheeled Counterweight Boom Capacity Pounds	Boom Oper. Rad. Feet
240 Ft. BOOM						
38	82.9	247.8	303,900 *	332,700 *	332,700 *	38
40	82.4	247.5	286,700 *	325,900 *	332,700 *	40
42	81.9	247.2	271,100 *	308,400 *	332,700 *	42
44	81.4	246.9	256,800 *	292,500 *	332,700 *	44
46	81.0	246.6	241,600	278,000 *	316,500 *	46
48	80.5	246.2	225,200	264,500 *	301,500 *	48
50	80.0	245.8	210,600	252,100 *	287,700 *	50
55	78.8	244.8	179,800	225,000 *	257,400 *	55
60	77.5	243.7	155,300	202,200 *	232,000 *	60
65	76.3	242.5	135,400	181,100	210,300 *	65
70	75.1	241.2	118,900	160,700	191,700 *	70
75	73.8	239.7	105,000	143,500	175,500 *	75
80	72.6	238.1	93,100	128,800	161,200 *	80
85	71.3	236.4	82,800	116,100	148,600 *	85
90	70.1	234.6	73,800	105,000	137,400 *	90
95	68.8	232.7	65,900	95,200	127,300 *	95
100	67.5	230.6	58,900	86,500	117,600	100
105	66.2	228.4	52,600	78,800	108,200	105
110	64.9	226.0	46,900	71,800	99,700	110
115	63.5	223.5	41,800	65,500	92,100	115
120	62.2	220.9	37,200	59,800	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. Wheeled 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. Wheeled Counterweight Boom Capacity Pounds	225,000 Lb. Wheeled Counterweight Boom Capacity Pounds
260 Ft. BOOM				
40	83.0	267.7	268,900 *	268,900 *
42	82.5	267.4	265,500 *	265,500 *
44	82.1	267.1	262,100 *	262,100 *
46	81.7	266.8	258,700 *	258,700 *
48	81.2	266.5	255,400 *	255,400 *
50	80.8	266.2	251,300 *	252,000 *
55	79.6	265.2	224,200 *	243,700 *
60	78.5	264.2	201,400 *	231,200 *
65	77.4	263.1	180,900	209,600 *
70	76.3	261.9	160,500	191,000 *
75	75.1	260.5	143,200	174,700 *
80	74.0	259.1	128,500	160,500 *
85	72.8	257.5	115,800	147,900 *
90	71.7	255.9	104,600	136,600 *
95	70.5	254.1	94,800	126,600 *
100	69.3	252.2	86,200	117,300
105	68.1	250.2	78,400	107,800
110	66.9	248.1	71,400	99,400
115	65.7	245.8	65,100	91,700
120	64.5	243.4	59,400	84,700
125	63.3	240.9	54,100	78,400
130	62.0	238.2	49,300	72,600
135	60.7	235.4	44,900	67,200
140	59.5	232.5	40,800	62,300
145	58.2	229.4	37,100	57,700
150	56.9	226.1	33,600	53,500
155	55.5	222.7	29,800 *	49,500
160	54.2	219.1	26,200 *	45,600 *
165	52.8	215.3	22,800 *	41,600 *
170	51.4	211.3	19,600 *	37,800 *

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

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. Wheeled 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. Wheeled Counterweight Boom Capacity Pounds
300 Ft. BOOM			
46	82.8	307.3	168,800 *
48	82.4	307.0	166,700 *
50	82.0	306.7	164,500 *
55	81.0	305.9	159,100 *
60	80.1	305.0	153,700 *
65	79.1	304.0	148,300 *
70	78.1	303.0	142,900 *
75	77.1	301.8	137,500 *
80	76.2	300.6	132,200 *
85	75.2	299.3	127,000 *
90	74.2	297.8	121,900 *
95	73.2	296.3	116,900 *
100	72.2	294.7	112,000 *
105	71.2	293.0	107,000
110	70.2	291.2	98,500
115	69.1	289.3	90,800
120	68.1	287.3	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. Wheeled 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. Wheeled Counterweight Boom Capacity Pounds	55,000 Lb. Wheeled Counterweight Boom Capacity Pounds	135,000 Lb. Wheeled Counterweight Boom Capacity Pounds	225,000 Lb. Wheeled Counterweight Boom Capacity Pounds	Boom Oper. Rad. Feet
140 Ft. BOOM							
26	82.7	148.5	423,600 *	466,000 *	480,000 *	480,000 *	26
28	81.9	148.2	391,600 *	431,200 *	480,000 *	480,000 *	28
30	81.1	147.9	363,700 *	400,800 *	452,100 *	480,000 *	30
32	80.2	147.5	339,000 *	373,900 *	422,200 *	476,600 *	32
34	79.4	147.1	317,000 *	350,000 *	395,700 *	447,000 *	34
36	78.6	146.6	291,300	328,700 *	371,900 *	420,500 *	36
38	77.7	146.2	265,200	309,400 *	350,500 *	396,700 *	38
40	76.9	145.7	242,700	292,000 *	331,100 *	375,100 *	40
42	76.0	145.2	223,200	276,200 *	313,500 *	355,500 *	42
44	75.2	144.6	206,000	259,500	297,400 *	337,600 *	44
46	74.3	144.0	190,900	241,200	282,700 *	321,200 *	46
48	73.5	143.4	177,400	224,900	269,100 *	306,100 *	48
50	72.6	142.7	165,200	210,400	256,600 *	292,200 *	50
55	70.4	141.0	139,800	179,800	229,100 *	261,600 *	55
60	68.2	138.9	119,600	155,400	205,800	235,900 *	60
65	66.0	136.7	103,100	135,600	181,300	214,100 *	65
70	63.7	134.2	89,500	119,200	161,000	195,300 *	70
75	61.4	131.5	78,000	105,400	143,900	178,900 *	75
80	59.0	128.5	68,100	93,500	129,300	164,500 *	80
85	56.5	125.2	59,600	83,300	116,600	151,800 *	85
90	54.0	121.6	52,200	74,400	105,600	137,700 *	90
95	51.4	117.6	45,700	66,500	95,800	124,700 *	95
100	48.7	113.2	39,900	59,500	87,200	113,000 *	100
105	45.9	108.4	34,700	53,300	79,500	102,400 *	105
110	42.9	103.1	30,000	47,700	72,500	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. Wheeled 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. Wheeled Counterweight Boom Capacity Pounds	55,000 Lb. Wheeled Counterweight Boom Capacity Pounds	135,000 Lb. Wheeled Counterweight Boom Capacity Pounds	225,000 Lb. Wheeled Counterweight Boom Capacity Pounds	Boom Oper. Rad. Feet
160 Ft. BOOM							
28	82.9	168.4	391,000 *	430,600 *	480,000 *	480,000 *	28
30	82.2	168.1	363,100 *	400,200 *	451,500 *	480,000 *	30
32	81.5	167.8	338,400 *	373,400 *	421,700 *	476,000 *	32
34	80.7	167.5	316,500 *	349,600 *	395,200 *	446,500 *	34
36	80.0	167.1	292,200	328,200 *	371,500 *	420,100 *	36
38	79.3	166.7	266,100	309,000 *	350,100 *	396,300 *	38
40	78.6	166.2	243,500	291,600 *	330,800 *	374,800 *	40
42	77.8	165.8	224,000	275,800 *	313,200 *	355,200 *	42
44	77.1	165.3	206,800	260,200	297,100 *	337,300 *	44
46	76.3	164.8	191,600	241,900	282,400 *	320,900 *	46
48	75.6	164.3	178,000	225,600	268,900 *	305,900 *	48
50	74.9	163.7	165,900	211,000	256,400 *	291,900 *	50
55	73.0	162.1	140,400	180,400	228,900 *	261,400 *	55
60	71.1	160.4	120,200	156,000	205,900 *	235,800 *	60
65	69.2	158.5	103,700	136,200	181,900	214,000 *	65
70	67.2	156.4	90,000	119,700	161,500	195,200 *	70
75	65.3	154.1	78,500	105,900	144,400	178,800 *	75
80	63.3	151.6	68,600	94,000	129,700	164,400 *	80
85	61.2	148.8	60,100	83,800	117,100	151,700 *	85
90	59.1	145.8	52,700	74,800	106,000	140,400 *	90
95	57.0	142.6	46,100	66,900	96,300	129,200	95
100	54.8	139.1	40,300	60,000	87,600	118,700	100
105	52.6	135.3	35,100	53,700	79,900	109,300	105
110	50.2	131.1	30,400	48,100	72,900	100,000 *	110
115	47.8	126.6	26,200	43,000	66,700	91,000 *	115
120	45.3	121.7	22,300	38,400	61,000	82,700 *	120
125	42.7	116.3	18,800	34,200	55,800	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. Wheeled 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. Wheeled Counterweight Boom Capacity Pounds	55,000 Lb. Wheeled Counterweight Boom Capacity Pounds	135,000 Lb. Wheeled Counterweight Boom Capacity Pounds	225,000 Lb. Wheeled Counterweight Boom Capacity Pounds	Boom Oper. Rad. Feet
180 Ft. BOOM							
32	82.4	188.1	335,500 *	370,400 *	418,800 *	473,100 *	32
34	81.8	187.7	313,600 *	346,600 *	392,200 *	443,600 *	34
36	81.1	187.4	291,900	325,300 *	368,500 *	417,200 *	36
38	80.5	187.1	265,500	306,100 *	347,200 *	393,400 *	38
40	79.8	186.7	242,800	288,700 *	327,800 *	371,900 *	40
42	79.2	186.3	223,100	272,900 *	310,300 *	352,300 *	42
44	78.5	185.8	205,800	258,500 *	294,200 *	334,400 *	44
46	77.9	185.4	190,500	240,800	279,500 *	318,000 *	46
48	77.2	184.9	176,900	224,400	266,000 *	302,900 *	48
50	76.6	184.4	164,600	209,700	253,400 *	289,000 *	50
55	74.9	183.1	138,900	178,900	226,000 *	258,500 *	55
60	73.3	181.5	118,500	154,400	203,000 *	232,800 *	60
65	71.6	179.9	101,900	134,400	180,100	211,000 *	65
70	69.9	178.0	88,100	117,900	159,700	192,200 *	70
75	68.2	176.0	76,500	103,900	142,400	175,900 *	75
80	66.4	173.8	66,600	92,000	127,700	161,500 *	80
85	64.7	171.5	58,000	81,700	114,900	148,800 *	85
90	62.9	168.9	50,500	72,700	103,800	137,400 *	90
95	61.1	166.1	43,900	64,700	94,000	127,000	95
100	59.2	163.2	38,000	57,700	85,300	116,400	100
105	57.3	160.0	32,800	51,400	77,600	107,000	105
110	55.4	156.5	28,000	45,700	70,600	98,500	110
115	53.4	152.8	23,800	40,600	64,300	90,900	115
120	51.4	148.8	19,900	36,000	58,500	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. Wheeled 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. Wheeled Counterweight Boom Capacity Pounds	55,000 Lb. Wheeled Counterweight Boom Capacity Pounds	135,000 Lb. Wheeled Counterweight Boom Capacity Pounds	225,000 Lb. Wheeled Counterweight Boom Capacity Pounds	Boom Oper. Rad. Feet
200 Ft. BOOM							
34	82.6	208.0	313,400 *	346,400 *	392,000 *	443,300 *	34
36	82.0	207.7	293,300	325,000 *	368,300 *	416,900 *	36
38	81.5	207.4	266,800	305,800 *	346,900 *	393,100 *	38
40	80.9	207.0	244,000	288,500 *	327,600 *	371,600 *	40
42	80.3	206.6	224,200	272,700 *	310,000 *	352,000 *	42
44	79.7	206.3	206,800	258,300 *	294,000 *	334,200 *	44
46	79.1	205.9	191,500	241,800	279,300 *	317,800 *	46
48	78.5	205.4	177,800	225,300	265,700 *	302,700 *	48
50	78.0	205.0	165,500	210,600	253,200 *	288,800 *	50
55	76.5	203.8	139,700	179,600	225,800 *	258,200 *	55
60	75.0	202.4	119,200	155,000	202,800 *	232,600 *	60
65	73.5	200.9	102,500	135,000	180,700	210,800 *	65
70	72.0	199.3	88,600	118,400	160,100	192,000 *	70
75	70.5	197.5	76,900	104,300	142,800	175,600 *	75
80	68.9	195.6	66,900	92,300	128,100	161,300 *	80
85	67.4	193.5	58,300	82,000	115,300	148,500 *	85
90	65.8	191.3	50,800	72,900	104,100	137,200 *	90
95	64.2	188.8	44,100	65,000	94,300	127,000 *	95
100	62.6	186.2	38,200	57,900	85,500	116,700	100
105	61.0	183.5	32,900	51,600	77,700	107,200	105
110	59.3	180.5	28,200	45,900	70,700	98,700	110
115	57.6	177.3	23,900	40,700	64,400	91,000	115
120	55.9	173.9	20,000	36,100	58,600	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. Wheeled 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. Wheeled Counterweight Boom Capacity Pounds	55,000 Lb. Wheeled Counterweight Boom Capacity Pounds	135,000 Lb. Wheeled Counterweight Boom Capacity Pounds	225,000 Lb. Wheeled Counterweight Boom Capacity Pounds	Boom Oper. Rad. Feet
220 Ft. BOOM							
36	82.8	227.9	293,300 *	324,600 *	359,900 *	359,900 *	36
38	82.2	227.6	267,700	305,400 *	346,500 *	359,900 *	38
40	81.7	227.3	244,800	288,100 *	327,200 *	359,900 *	40
42	81.2	227.0	224,900	272,300 *	309,600 *	351,700 *	42
44	80.7	226.6	207,500	257,900 *	293,600 *	333,800 *	44
46	80.1	226.2	192,100	242,400	278,900 *	317,400 *	46
48	79.6	225.9	178,300	225,900	265,400 *	302,400 *	48
50	79.1	225.5	166,000	211,100	252,900 *	288,400 *	50
55	77.7	224.4	140,100	180,100	225,500 *	257,900 *	55
60	76.4	223.1	119,600	155,400	202,500 *	232,300 *	60
65	75.0	221.8	102,800	135,300	181,000	210,500 *	65
70	73.7	220.3	88,900	118,700	160,500	191,700 *	70
75	72.3	218.7	77,200	104,600	143,100	175,400 *	75
80	70.9	217.0	67,200	92,600	128,300	161,000 *	80
85	69.5	215.1	58,500	82,200	115,500	148,300 *	85
90	68.1	213.1	51,000	73,100	104,300	137,000 *	90
95	66.7	211.0	44,300	65,200	94,500	126,800 *	95
100	65.3	208.6	38,400	58,100	85,700	116,800	100
105	63.8	206.2	33,100	51,700	77,900	107,300	105
110	62.4	203.6	28,300	46,000	70,900	98,800	110
115	60.9	200.8	24,000	40,900	64,500	91,100	115
120	59.4	197.8	20,100	36,200	58,700	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. Wheeled 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. Wheeled Counterweight Boom Capacity Pounds	135,000 Lb. Wheeled Counterweight Boom Capacity Pounds	225,000 Lb. Wheeled Counterweight Boom Capacity Pounds	Boom Oper. Rad. Feet
240 Ft. BOOM						
38	82.9	247.8	305,100 *	336,000 *	336,000 *	38
40	82.4	247.5	287,700 *	326,900 *	336,000 *	40
42	81.9	247.2	272,000 *	309,300 *	336,000 *	42
44	81.4	246.9	257,500 *	293,300 *	333,500 *	44
46	81.0	246.6	242,800	278,600 *	317,100 *	46
48	80.5	246.2	226,300	265,100 *	302,000 *	48
50	80.0	245.8	211,500	252,600 *	288,100 *	50
55	78.8	244.8	180,400	225,200 *	257,600 *	55
60	77.5	243.7	155,700	202,200 *	232,000 *	60
65	76.3	242.5	135,600	181,300	210,200 *	65
70	75.1	241.2	118,900	160,700	191,500 *	70
75	73.8	239.7	104,800	143,300	175,100 *	75
80	72.6	238.1	92,700	128,500	160,800 *	80
85	71.3	236.4	82,300	115,600	148,000 *	85
90	70.1	234.6	73,200	104,400	136,700 *	90
95	68.8	232.7	65,200	94,500	126,500 *	95
100	67.5	230.6	58,100	85,800	116,900	100
105	66.2	228.4	51,800	78,000	107,400	105
110	64.9	226.0	46,100	70,900	98,900	110
115	63.5	223.5	40,900	64,500	91,200	115
120	62.2	220.9	36,200	58,800	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. Wheeled 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. Wheeled Counterweight Boom Capacity Pounds	225,000 Lb. Wheeled Counterweight Boom Capacity Pounds
260 Ft. BOOM				
40	83.0	267.7	274,100 *	274,100 *
42	82.5	267.4	270,500 *	270,500 *
44	82.1	267.1	267,000 *	267,000 *
46	81.7	266.8	263,400 *	263,400 *
48	81.2	266.5	259,900 *	259,900 *
50	80.8	266.2	251,800 *	256,400 *
55	79.6	265.2	224,400 *	247,700 *
60	78.5	264.2	201,500 *	231,300 *
65	77.4	263.1	181,100	209,500 *
70	76.3	261.9	160,500	190,800 *
75	75.1	260.5	143,100	174,400 *
80	74.0	259.1	128,200	160,100 *
85	72.8	257.5	115,400	147,400 *
90	71.7	255.9	104,100	136,100 *
95	70.5	254.1	94,300	125,900 *
100	69.3	252.2	85,500	116,600
105	68.1	250.2	77,700	107,100
110	66.9	248.1	70,600	98,600
115	65.7	245.8	64,200	90,800
120	64.5	243.4	58,400	83,800
125	63.3	240.9	53,200	77,400
130	62.0	238.2	48,300	71,600
135	60.7	235.4	43,900	66,200
140	59.5	232.5	39,800	61,200
145	58.2	229.4	36,000	56,600
150	56.9	226.1	32,200 *	52,300
155	55.5	222.7	28,200 *	48,300 *
160	54.2	219.1	24,600 *	44,000 *
165	52.8	215.3	21,100 *	39,900 *
170	51.4	211.3	17,900 *	36,100 *
175	49.9	207.1	14,800 *	32,500 *
180	48.5	202.7	12,000 *	29,100 *
185	47.0	198.0		25,900 *
190	45.4	193.1		22,900 *
195	43.8	187.9		20,000 *
200	42.2	182.5		17,200 *



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

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. Wheeled 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. Wheeled Counterweight Boom Capacity Pounds
300 Ft. BOOM			
46	82.8	307.3	174,000 *
48	82.4	307.0	171,700 *
50	82.0	306.7	169,400 *
55	81.0	305.9	163,700 *
60	80.1	305.0	157,900 *
65	79.1	304.0	152,100 *
70	78.1	303.0	146,500 *
75	77.1	301.8	140,900 *
80	76.2	300.6	135,400 *
85	75.2	299.3	130,000 *
90	74.2	297.8	124,700 *
95	73.2	296.3	119,500 *
100	72.2	294.7	114,300 *
105	71.2	293.0	106,400
110	70.2	291.2	97,800
115	69.1	289.3	90,100
120	68.1	287.3	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. Wheeled 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. Wheeled Counterweight Boom Capacity Pounds	55,000 Lb. Wheeled Counterweight Boom Capacity Pounds	135,000 Lb. Wheeled Counterweight Boom Capacity Pounds	225,000 Lb. Wheeled Counterweight Boom Capacity Pounds	Boom Oper. Rad. Feet
140 Ft. BOOM							
26	82.7	148.5	420,200 *	462,700 *	480,000 *	480,000 *	26
28	81.9	148.2	388,400 *	428,000 *	480,000 *	480,000 *	28
30	81.1	147.9	360,500 *	397,700 *	449,000 *	480,000 *	30
32	80.2	147.5	335,900 *	370,900 *	419,200 *	473,500 *	32
34	79.4	147.1	314,100 *	347,100 *	392,700 *	444,000 *	34
36	78.6	146.6	287,300	325,800 *	369,000 *	417,600 *	36
38	77.7	146.2	261,300	306,600 *	347,700 *	393,900 *	38
40	76.9	145.7	239,000	289,200 *	328,300 *	372,400 *	40
42	76.0	145.2	219,600	273,400 *	310,800 *	352,800 *	42
44	75.2	144.6	202,500	256,000	294,700 *	334,900 *	44
46	74.3	144.0	187,500	237,800	280,000 *	318,600 *	46
48	73.5	143.4	174,000	221,600	266,500 *	303,500 *	48
50	72.6	142.7	162,000	207,100	254,000 *	289,600 *	50
55	70.4	141.0	136,700	176,700	226,600 *	259,100 *	55
60	68.2	138.9	116,700	152,500	202,900	233,500 *	60
65	66.0	136.7	100,300	132,800	178,500	211,700 *	65
70	63.7	134.2	86,800	116,500	158,300	192,900 *	70
75	61.4	131.5	75,400	102,800	141,300	176,600 *	75
80	59.0	128.5	65,600	91,000	126,700	162,300 *	80
85	56.5	125.2	57,200	80,800	114,100	149,100 *	85
90	54.0	121.6	49,800	72,000	103,100	134,600 *	90
95	51.4	117.6	43,300	64,100	93,500	121,600 *	95
100	48.7	113.2	37,500	57,200	84,900	110,000 *	100
105	45.9	108.4	32,400	51,000	77,200	99,500 *	105
110	42.9	103.1	27,800	45,500	70,300	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. Wheeled 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. Wheeled Counterweight Boom Capacity Pounds	55,000 Lb. Wheeled Counterweight Boom Capacity Pounds	135,000 Lb. Wheeled Counterweight Boom Capacity Pounds	225,000 Lb. Wheeled Counterweight Boom Capacity Pounds	Boom Oper. Rad. Feet
160 Ft. BOOM							
28	82.9	168.4	387,800 *	427,400 *	480,000 *	480,000 *	28
30	82.2	168.1	360,000 *	397,200 *	448,500 *	480,000 *	30
32	81.5	167.8	335,500 *	370,400 *	418,700 *	473,100 *	32
34	80.7	167.5	313,700 *	346,700 *	392,300 *	443,600 *	34
36	80.0	167.1	288,300	325,400 *	368,600 *	417,300 *	36
38	79.3	166.7	262,300	306,300 *	347,300 *	393,500 *	38
40	78.6	166.2	239,900	288,900 *	328,100 *	372,100 *	40
42	77.8	165.8	220,500	273,200 *	310,500 *	352,500 *	42
44	77.1	165.3	203,400	256,800	294,500 *	334,700 *	44
46	76.3	164.8	188,300	238,600	279,900 *	318,400 *	46
48	75.6	164.3	174,900	222,400	266,300 *	303,300 *	48
50	74.9	163.7	162,800	207,900	253,900 *	289,400 *	50
55	73.0	162.1	137,500	177,400	226,500 *	259,000 *	55
60	71.1	160.4	117,400	153,200	203,600 *	233,400 *	60
65	69.2	158.5	101,000	133,500	179,200	211,700 *	65
70	67.2	156.4	87,400	117,200	158,900	192,900 *	70
75	65.3	154.1	76,000	103,400	141,900	176,600 *	75
80	63.3	151.6	66,200	91,600	127,300	162,300 *	80
85	61.2	148.8	57,700	81,400	114,700	149,600 *	85
90	59.1	145.8	50,300	72,500	103,700	138,300 *	90
95	57.0	142.6	43,800	64,700	94,000	127,000	95
100	54.8	139.1	38,100	57,700	85,400	116,500	100
105	52.6	135.3	32,900	51,500	77,700	107,100 *	105
110	50.2	131.1	28,300	45,900	70,800	97,200 *	110
115	47.8	126.6	24,100	40,900	64,600	88,300 *	115
120	45.3	121.7	20,300	36,300	58,900	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. Wheeled 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. Wheeled Counterweight Boom Capacity Pounds	55,000 Lb. Wheeled Counterweight Boom Capacity Pounds	135,000 Lb. Wheeled Counterweight Boom Capacity Pounds	225,000 Lb. Wheeled Counterweight Boom Capacity Pounds	Boom Oper. Rad. Feet
180 Ft. BOOM							
32	82.4	188.1	332,600 *	367,600 *	415,900 *	470,200 *	32
34	81.8	187.7	310,800 *	343,800 *	389,400 *	440,800 *	34
36	81.1	187.4	288,000	322,600 *	365,800 *	414,400 *	36
38	80.5	187.1	261,900	303,400 *	344,500 *	390,700 *	38
40	79.8	186.7	239,300	286,100 *	325,200 *	369,200 *	40
42	79.2	186.3	219,700	270,300 *	307,700 *	349,700 *	42
44	78.5	185.8	202,500	256,000	291,700 *	331,900 *	44
46	77.9	185.4	187,300	237,700	277,000 *	315,500 *	46
48	77.2	184.9	173,800	221,400	263,500 *	300,500 *	48
50	76.6	184.4	161,600	206,800	251,000 *	286,600 *	50
55	74.9	183.1	136,100	176,100	223,700 *	256,100 *	55
60	73.3	181.5	115,800	151,700	200,700 *	230,600 *	60
65	71.6	179.9	99,300	131,800	177,500	208,800 *	65
70	69.9	178.0	85,600	115,400	157,200	190,100 *	70
75	68.2	176.0	74,100	101,500	140,000	173,800 *	75
80	66.4	173.8	64,200	89,600	125,300	159,400 *	80
85	64.7	171.5	55,700	79,400	112,700	146,700 *	85
90	62.9	168.9	48,300	70,400	101,600	135,400 *	90
95	61.1	166.1	41,700	62,500	91,800	124,800	95
100	59.2	163.2	35,900	55,500	83,200	114,300	100
105	57.3	160.0	30,700	49,300	75,500	104,900	105
110	55.4	156.5	26,000	43,700	68,500	96,500	110
115	53.4	152.8	21,800	38,600	62,200	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. Wheeled 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. Wheeled Counterweight Boom Capacity Pounds	55,000 Lb. Wheeled Counterweight Boom Capacity Pounds	135,000 Lb. Wheeled Counterweight Boom Capacity Pounds	225,000 Lb. Wheeled Counterweight Boom Capacity Pounds	Boom Oper. Rad. Feet
200 Ft. BOOM							
34	82.6	208.0	310,600 *	343,600 *	389,200 *	440,600 *	34
36	82.0	207.7	289,600	322,400 *	365,600 *	414,200 *	36
38	81.5	207.4	263,300	303,200 *	344,300 *	390,500 *	38
40	80.9	207.0	240,600	285,900 *	325,000 *	369,000 *	40
42	80.3	206.6	220,900	270,200 *	307,500 *	349,500 *	42
44	79.7	206.3	203,700	255,800 *	291,500 *	331,700 *	44
46	79.1	205.9	188,400	238,700	276,800 *	315,400 *	46
48	78.5	205.4	174,800	222,400	263,300 *	300,300 *	48
50	78.0	205.0	162,600	207,700	250,900 *	286,400 *	50
55	76.5	203.8	136,900	176,900	223,500 *	256,000 *	55
60	75.0	202.4	116,600	152,400	200,600 *	230,400 *	60
65	73.5	200.9	100,000	132,500	178,200	208,600 *	65
70	72.0	199.3	86,200	115,900	157,700	189,900 *	70
75	70.5	197.5	74,600	102,000	140,500	173,600 *	75
80	68.9	195.6	64,700	90,100	125,800	159,300 *	80
85	67.4	193.5	56,100	79,800	113,100	146,600 *	85
90	65.8	191.3	48,600	70,800	102,000	135,200 *	90
95	64.2	188.8	42,000	62,900	92,200	125,100 *	95
100	62.6	186.2	36,200	55,800	83,500	114,600	100
105	61.0	183.5	30,900	49,500	75,700	105,200	105
110	59.3	180.5	26,200	43,900	68,700	96,700	110
115	57.6	177.3	22,000	38,800	62,400	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. Wheeled 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. Wheeled Counterweight Boom Capacity Pounds	55,000 Lb. Wheeled Counterweight Boom Capacity Pounds	135,000 Lb. Wheeled Counterweight Boom Capacity Pounds	225,000 Lb. Wheeled Counterweight Boom Capacity Pounds	Boom Oper. Rad. Feet
220 Ft. BOOM							
36	82.8	227.9	290,600	322,000 *	357,200 *	357,200 *	36
38	82.2	227.6	264,200	302,900 *	343,900 *	357,200 *	38
40	81.7	227.3	241,500	285,600 *	324,700 *	357,200 *	40
42	81.2	227.0	221,700	269,800 *	307,200 *	349,200 *	42
44	80.7	226.6	204,400	255,500 *	291,200 *	331,400 *	44
46	80.1	226.2	189,100	239,400	276,500 *	315,100 *	46
48	79.6	225.9	175,400	223,000	263,000 *	300,000 *	48
50	79.1	225.5	163,200	208,300	250,600 *	286,100 *	50
55	77.7	224.4	137,500	177,400	223,300 *	255,700 *	55
60	76.4	223.1	117,000	152,900	200,300 *	230,200 *	60
65	75.0	221.8	100,400	132,900	178,600	208,400 *	65
70	73.7	220.3	86,600	116,300	158,100	189,700 *	70
75	72.3	218.7	75,000	102,400	140,900	173,400 *	75
80	70.9	217.0	65,000	90,400	126,100	159,100 *	80
85	69.5	215.1	56,400	80,100	113,400	146,400 *	85
90	68.1	213.1	48,900	71,100	102,200	135,100 *	90
95	66.7	211.0	42,300	63,100	92,400	124,900 *	95
100	65.3	208.6	36,400	56,100	83,700	114,800	100
105	63.8	206.2	31,100	49,800	75,900	105,400	105
110	62.4	203.6	26,400	44,100	68,900	96,900	110
115	60.9	200.8	22,100	39,000	62,600	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. Wheeled 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. Wheeled Counterweight Boom Capacity Pounds	135,000 Lb. Wheeled Counterweight Boom Capacity Pounds	225,000 Lb. Wheeled Counterweight Boom Capacity Pounds	Boom Oper. Rad. Feet
240 Ft. BOOM						
38	82.9	247.8	302,600 *	332,600 *	332,600 *	38
40	82.4	247.5	285,300 *	324,400 *	332,600 *	40
42	81.9	247.2	269,500 *	306,900 *	332,600 *	42
44	81.4	246.9	255,200 *	290,900 *	331,100 *	44
46	81.0	246.6	239,900	276,200 *	314,800 *	46
48	80.5	246.2	223,500	262,800 *	299,700 *	48
50	80.0	245.8	208,700	250,300 *	285,900 *	50
55	78.8	244.8	177,800	223,000 *	255,400 *	55
60	77.5	243.7	153,200	200,100 *	229,900 *	60
65	76.3	242.5	133,200	178,900	208,200 *	65
70	75.1	241.2	116,600	158,400	189,500 *	70
75	73.8	239.7	102,600	141,100	173,200 *	75
80	72.6	238.1	90,600	126,300	158,800 *	80
85	71.3	236.4	80,200	113,500	146,200 *	85
90	70.1	234.6	71,200	102,400	134,900 *	90
95	68.8	232.7	63,200	92,600	124,700 *	95
100	67.5	230.6	56,200	83,800	114,900	100
105	66.2	228.4	49,900	76,000	105,500	105
110	64.9	226.0	44,200	69,000	97,000	110
115	63.5	223.5	39,000	62,700	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. Wheeled 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. Wheeled Counterweight Boom Capacity Pounds	225,000 Lb. Wheeled Counterweight Boom Capacity Pounds
260 Ft. BOOM				
40	83.0	267.7	271,700 *	271,700 *
42	82.5	267.4	268,200 *	268,200 *
44	82.1	267.1	264,700 *	264,700 *
46	81.7	266.8	261,100 *	261,100 *
48	81.2	266.5	257,600 *	257,600 *
50	80.8	266.2	249,600 *	254,100 *
55	79.6	265.2	222,300 *	245,500 *
60	78.5	264.2	199,400 *	229,200 *
65	77.4	263.1	178,800	207,500 *
70	76.3	261.9	158,200	188,800 *
75	75.1	260.5	140,900	172,500 *
80	74.0	259.1	126,100	158,200 *
85	72.8	257.5	113,300	145,600 *
90	71.7	255.9	102,200	134,300 *
95	70.5	254.1	92,300	124,100 *
100	69.3	252.2	83,600	114,700
105	68.1	250.2	75,800	105,200
110	66.9	248.1	68,800	96,700
115	65.7	245.8	62,400	89,000
120	64.5	243.4	56,700	82,000
125	63.3	240.9	51,400	75,700
130	62.0	238.2	46,600	69,800
135	60.7	235.4	42,200	64,500
140	59.5	232.5	38,100	59,500
145	58.2	229.4	34,200 *	54,900
150	56.9	226.1	30,000 *	50,600
155	55.5	222.7	26,100 *	46,100 *
160	54.2	219.1	22,400 *	41,800 *
165	52.8	215.3	19,000 *	37,800 *
170	51.4	211.3	15,800 *	34,000 *
175	49.9	207.1	12,700 *	30,400 *
180	48.5	202.7		27,000 *
185	47.0	198.0		23,800 *
190	45.4	193.1		20,800 *
195	43.8	187.9		18,000 *
200	42.2	182.5		15,200 *

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

Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

MAX-ER 225
On 2250 or
M-250

Boom No. 49A-44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
169,200 Lb. (2250) Crane Counterweight
or 167,000 Lb. (M-250) Crane Counterweight
60,000 Lb. Carbody Counterweight
0 Lb. Thru 225,000 Lb. Wheeled Counterweight
360 Degree Rating

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. Wheeled Counterweight Boom Capacity Pounds
300 Ft. BOOM			
46	82.8	307.3	171,600 *
48	82.4	307.0	169,400 *
50	82.0	306.7	167,100 *
55	81.0	305.9	161,400 *
60	80.1	305.0	155,700 *
65	79.1	304.0	149,900 *
70	78.1	303.0	144,300 *
75	77.1	301.8	138,700 *
80	76.2	300.6	133,200 *
85	75.2	299.3	127,800 *
90	74.2	297.8	122,500 *
95	73.2	296.3	117,300 *
100	72.2	294.7	112,200 *
105	71.2	293.0	104,600
110	70.2	291.2	96,100
115	69.1	289.3	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. Wheeled 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. Wheeled Counterweight Boom Capacity Pounds	55,000 Lb. Wheeled Counterweight Boom Capacity Pounds	135,000 Lb. Wheeled Counterweight Boom Capacity Pounds	225,000 Lb. Wheeled Counterweight Boom Capacity Pounds	Boom Oper. Rad. Feet
140 Ft. BOOM							
26	82.7	148.5	423,500 *	465,900 *	480,000 *	480,000 *	26
28	81.9	148.2	391,200 *	430,800 *	480,000 *	480,000 *	28
30	81.1	147.9	363,000 *	400,200 *	451,500 *	480,000 *	30
32	80.2	147.5	338,100 *	373,100 *	421,400 *	475,700 *	32
34	79.4	147.1	316,000 *	349,000 *	394,600 *	446,000 *	34
36	78.6	146.6	290,400	327,500 *	370,700 *	419,300 *	36
38	77.7	146.2	264,000	308,100 *	349,100 *	395,300 *	38
40	76.9	145.7	241,300	290,500 *	329,600 *	373,600 *	40
42	76.0	145.2	221,600	274,500 *	311,900 *	353,900 *	42
44	75.2	144.6	204,300	257,700	295,700 *	335,900 *	44
46	74.3	144.0	188,900	239,300	280,800 *	319,400 *	46
48	73.5	143.4	175,300	222,900	267,200 *	304,100 *	48
50	72.6	142.7	163,000	208,200	254,500 *	290,100 *	50
55	70.4	141.0	137,300	177,300	226,900 *	259,300 *	55
60	68.2	138.9	116,900	152,800	203,200	233,500 *	60
65	66.0	136.7	100,300	132,800	178,500	211,500 *	65
70	63.7	134.2	86,500	116,200	158,000	192,500 *	70
75	61.4	131.5	74,900	102,300	140,800	176,000 *	75
80	59.0	128.5	64,900	90,300	126,000	161,500 *	80
85	56.5	125.2	56,300	80,000	113,300	148,000 *	85
90	54.0	121.6	48,800	71,000	102,100	133,300 *	90
95	51.4	117.6	42,200	63,000	92,300	120,100 *	95
100	48.7	113.2	36,300	56,000	83,600	108,400 *	100
105	45.9	108.4	31,000	49,700	75,800	97,700 *	105
110	42.9	103.1	26,300	44,000	68,800	88,000 *	110
115	39.7	97.2	22,000	38,800	62,500	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. Wheeled 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. Wheeled Counterweight Boom Capacity Pounds	55,000 Lb. Wheeled Counterweight Boom Capacity Pounds	135,000 Lb. Wheeled Counterweight Boom Capacity Pounds	225,000 Lb. Wheeled Counterweight Boom Capacity Pounds	Boom Oper. Rad. Feet
160 Ft. BOOM							
28	82.9	168.4	390,800 *	430,400 *	480,000 *	480,000 *	28
30	82.2	168.1	362,700 *	399,800 *	451,100 *	480,000 *	30
32	81.5	167.8	337,800 *	372,800 *	421,100 *	475,400 *	32
34	80.7	167.5	315,800 *	348,800 *	394,400 *	445,700 *	34
36	80.0	167.1	291,700	327,300 *	370,500 *	419,100 *	36
38	79.3	166.7	265,200	307,900 *	349,000 *	395,200 *	38
40	78.6	166.2	242,500	290,400 *	329,500 *	373,500 *	40
42	77.8	165.8	222,700	274,500 *	311,800 *	353,800 *	42
44	77.1	165.3	205,400	258,800	295,600 *	335,800 *	44
46	76.3	164.8	190,000	240,400	280,800 *	319,300 *	46
48	75.6	164.3	176,300	223,900	267,200 *	304,200 *	48
50	74.9	163.7	164,100	209,200	254,600 *	290,100 *	50
55	73.0	162.1	138,300	178,300	226,900 *	259,400 *	55
60	71.1	160.4	117,900	153,700	203,800 *	233,600 *	60
65	69.2	158.5	101,200	133,700	179,400	211,600 *	65
70	67.2	156.4	87,400	117,100	158,900	192,700 *	70
75	65.3	154.1	75,700	103,100	141,600	176,300 *	75
80	63.3	151.6	65,800	91,200	126,900	161,800 *	80
85	61.2	148.8	57,200	80,800	114,100	149,000 *	85
90	59.1	145.8	49,600	71,800	103,000	137,600 *	90
95	57.0	142.6	43,000	63,900	93,200	126,100	95
100	54.8	139.1	37,100	56,800	84,400	115,500	100
105	52.6	135.3	31,900	50,500	76,700	105,700 *	105
110	50.2	131.1	27,100	44,800	69,600	95,700 *	110
115	47.8	126.6	22,800	39,700	63,300	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. Wheeled 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. Wheeled Counterweight Boom Capacity Pounds	55,000 Lb. Wheeled Counterweight Boom Capacity Pounds	135,000 Lb. Wheeled Counterweight Boom Capacity Pounds	225,000 Lb. Wheeled Counterweight Boom Capacity Pounds	Boom Oper. Rad. Feet
180 Ft. BOOM							
32	82.4	188.1	335,100 *	370,000 *	418,300 *	472,700 *	32
34	81.8	187.7	313,000 *	346,000 *	391,600 *	443,000 *	34
36	81.1	187.4	291,600	324,500 *	367,700 *	416,400 *	36
38	80.5	187.1	265,000	305,200 *	346,200 *	392,500 *	38
40	79.8	186.7	242,100	287,700 *	326,800 *	370,800 *	40
42	79.2	186.3	222,200	271,700 *	309,100 *	351,100 *	42
44	78.5	185.8	204,700	257,200 *	292,900 *	333,100 *	44
46	77.9	185.4	189,200	239,600	278,100 *	316,600 *	46
48	77.2	184.9	175,400	223,000	264,500 *	301,400 *	48
50	76.6	184.4	163,100	208,200	251,900 *	287,400 *	50
55	74.9	183.1	137,100	177,100	224,200 *	256,700 *	55
60	73.3	181.5	116,500	152,400	201,100 *	230,900 *	60
65	71.6	179.9	99,700	132,200	177,900	208,900 *	65
70	69.9	178.0	85,800	115,500	157,300	190,000 *	70
75	68.2	176.0	74,100	101,500	140,000	173,600 *	75
80	66.4	173.8	64,000	89,400	125,100	159,100 *	80
85	64.7	171.5	55,300	79,000	112,300	146,300 *	85
90	62.9	168.9	47,800	69,900	101,100	134,900 *	90
95	61.1	166.1	41,100	61,900	91,200	124,200	95
100	59.2	163.2	35,100	54,800	82,500	113,600	100
105	57.3	160.0	29,800	48,500	74,600	104,100	105
110	55.4	156.5	25,100	42,700	67,600	95,500	110
115	53.4	152.8	20,700	37,600	61,200	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. Wheeled 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. Wheeled Counterweight Boom Capacity Pounds	55,000 Lb. Wheeled Counterweight Boom Capacity Pounds	135,000 Lb. Wheeled Counterweight Boom Capacity Pounds	225,000 Lb. Wheeled Counterweight Boom Capacity Pounds	Boom Oper. Rad. Feet
200 Ft. BOOM							
34	82.6	208.0	312,900 *	345,900 *	391,500 *	442,900 *	34
36	82.0	207.7	293,100 *	324,400 *	367,600 *	416,300 *	36
38	81.5	207.4	266,500	305,100 *	346,100 *	392,400 *	38
40	80.9	207.0	243,500	287,600 *	326,700 *	370,700 *	40
42	80.3	206.6	223,500	271,700 *	309,000 *	351,000 *	42
44	79.7	206.3	205,900	257,100 *	292,800 *	333,000 *	44
46	79.1	205.9	190,400	240,700	278,000 *	316,500 *	46
48	78.5	205.4	176,600	224,200	264,400 *	301,400 *	48
50	78.0	205.0	164,200	209,300	251,800 *	287,400 *	50
55	76.5	203.8	138,100	178,100	224,200 *	256,600 *	55
60	75.0	202.4	117,400	153,200	201,000 *	230,800 *	60
65	73.5	200.9	100,500	133,000	178,700	208,900 *	65
70	72.0	199.3	86,500	116,300	158,100	190,000 *	70
75	70.5	197.5	74,700	102,100	140,600	173,500 *	75
80	68.9	195.6	64,600	90,000	125,700	159,000 *	80
85	67.4	193.5	55,900	79,600	112,900	146,200 *	85
90	65.8	191.3	48,300	70,400	101,600	134,800 *	90
95	64.2	188.8	41,600	62,400	91,700	124,600 *	95
100	62.6	186.2	35,600	55,300	82,900	114,000	100
105	61.0	183.5	30,300	48,900	75,100	104,500	105
110	59.3	180.5	25,500	43,100	68,000	95,900	110
115	57.6	177.3	21,100	37,900	61,600	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. Wheeled 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. Wheeled Counterweight Boom Capacity Pounds	55,000 Lb. Wheeled Counterweight Boom Capacity Pounds	135,000 Lb. Wheeled Counterweight Boom Capacity Pounds	225,000 Lb. Wheeled Counterweight Boom Capacity Pounds	Boom Oper. Rad. Feet
220 Ft. BOOM							
36	82.8	227.9	292,800 *	324,100 *	360,700 *	360,700 *	36
38	82.2	227.6	267,600	304,800 *	345,900 *	360,700 *	38
40	81.7	227.3	244,500	287,300 *	326,400 *	360,700 *	40
42	81.2	227.0	224,400	271,400 *	308,800 *	350,800 *	42
44	80.7	226.6	206,800	256,900 *	292,600 *	332,800 *	44
46	80.1	226.2	191,200	241,500	277,800 *	316,300 *	46
48	79.6	225.9	177,300	224,900	264,200 *	301,200 *	48
50	79.1	225.5	164,900	210,000	251,600 *	287,200 *	50
55	77.7	224.4	138,700	178,700	224,000 *	256,500 *	55
60	76.4	223.1	118,000	153,800	200,900 *	230,700 *	60
65	75.0	221.8	101,100	133,600	179,300	208,800 *	65
70	73.7	220.3	87,000	116,800	158,600	189,900 *	70
75	72.3	218.7	75,200	102,600	141,100	173,400 *	75
80	70.9	217.0	65,100	90,500	126,200	159,000 *	80
85	69.5	215.1	56,300	80,000	113,300	146,200 *	85
90	68.1	213.1	48,700	70,800	102,000	134,700 *	90
95	66.7	211.0	41,900	62,800	92,100	124,500 *	95
100	65.3	208.6	35,900	55,600	83,300	114,400	100
105	63.8	206.2	30,600	49,200	75,400	104,800	105
110	62.4	203.6	25,800	43,500	68,300	96,300	110
115	60.9	200.8	21,400	38,300	61,900	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. Wheeled 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. Wheeled Counterweight Boom Capacity Pounds	135,000 Lb. Wheeled Counterweight Boom Capacity Pounds	225,000 Lb. Wheeled Counterweight Boom Capacity Pounds	Boom Oper. Rad. Feet
240 Ft. BOOM						
38	82.9	247.8	304,500 *	337,400 *	337,400 *	38
40	82.4	247.5	287,100 *	326,200 *	337,400 *	40
42	81.9	247.2	271,200 *	308,500 *	337,400 *	42
44	81.4	246.9	256,700 *	292,400 *	332,600 *	44
46	81.0	246.6	242,100	277,600 *	316,100 *	46
48	80.5	246.2	225,500	264,000 *	301,000 *	48
50	80.0	245.8	210,500	251,400 *	287,000 *	50
55	78.8	244.8	179,200	223,800 *	256,300 *	55
60	77.5	243.7	154,200	200,700 *	230,500 *	60
65	76.3	242.5	133,900	179,600	208,600 *	65
70	75.1	241.2	117,100	158,900	189,700 *	70
75	73.8	239.7	102,900	141,400	173,300 *	75
80	72.6	238.1	90,800	126,500	158,800 *	80
85	71.3	236.4	80,300	113,500	146,000 *	85
90	70.1	234.6	71,100	102,300	134,600 *	90
95	68.8	232.7	63,000	92,300	124,400 *	95
100	67.5	230.6	55,800	83,500	114,600	100
105	66.2	228.4	49,400	75,600	105,100	105
110	64.9	226.0	43,700	68,500	96,500	110
115	63.5	223.5	38,500	62,100	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. Wheeled 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. Wheeled Counterweight Boom Capacity Pounds	225,000 Lb. Wheeled Counterweight Boom Capacity Pounds
260 Ft. BOOM				
40	83.0	267.7	277,600 *	277,600 *
42	82.5	267.4	273,800 *	273,800 *
44	82.1	267.1	270,100 *	270,100 *
46	81.7	266.8	266,400 *	266,400 *
48	81.2	266.5	262,700 *	262,700 *
50	80.8	266.2	250,700 *	259,100 *
55	79.6	265.2	223,200 *	250,000 *
60	78.5	264.2	200,100 *	229,900 *
65	77.4	263.1	179,600	208,000 *
70	76.3	261.9	158,800	189,100 *
75	75.1	260.5	141,300	172,700 *
80	74.0	259.1	126,400	158,300 *
85	72.8	257.5	113,400	145,500 *
90	71.7	255.9	102,100	134,100 *
95	70.5	254.1	92,200	123,900 *
100	69.3	252.2	83,300	114,400
105	68.1	250.2	75,400	104,900
110	66.9	248.1	68,300	96,300
115	65.7	245.8	61,900	88,500
120	64.5	243.4	56,100	81,500
125	63.3	240.9	50,800	75,000
130	62.0	238.2	45,900	69,100
135	60.7	235.4	41,400	63,700
140	59.5	232.5	37,300	58,700
145	58.2	229.4	33,000 *	54,100
150	56.9	226.1	28,800 *	49,600 *
155	55.5	222.7	24,800 *	44,900 *
160	54.2	219.1	21,100 *	40,500 *
165	52.8	215.3	17,600 *	36,400 *
170	51.4	211.3	14,400 *	32,600 *
175	49.9	207.1	11,300 *	28,900 *
180	48.5	202.7		25,500 *
185	47.0	198.0		22,300 *
190	45.4	193.1		19,200 *
195	43.8	187.9		16,300 *
200	42.2	182.5		13,600 *
205	40.5	176.6		10,500 *



Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

MAX-ER 225
On 2250 or
M-250

Boom No. 49A-44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
169,200 Lb. (2250) Crane Counterweight
or 167,000 Lb. (M-250) Crane Counterweight
60,000 Lb. Carbody Counterweight
0 Lb. Thru 225,000 Lb. Wheeled Counterweight
360 Degree Rating

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

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. Wheeled 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. Wheeled Counterweight Boom Capacity Pounds
300 Ft. BOOM			
46	82.8	307.3	177,500 *
48	82.4	307.0	175,100 *
50	82.0	306.7	172,600 *
55	81.0	305.9	166,500 *
60	80.1	305.0	160,500 *
65	79.1	304.0	154,500 *
70	78.1	303.0	148,500 *
75	77.1	301.8	142,700 *
80	76.2	300.6	137,000 *
85	75.2	299.3	131,400 *
90	74.2	297.8	125,800 *
95	73.2	296.3	120,400 *
100	72.2	294.7	113,500 *
105	71.2	293.0	104,400
110	70.2	291.2	95,800
115	69.1	289.3	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. Wheeled 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. Wheeled Counterweight Boom Capacity Pounds	55,000 Lb. Wheeled Counterweight Boom Capacity Pounds	135,000 Lb. Wheeled Counterweight Boom Capacity Pounds	225,000 Lb. Wheeled Counterweight Boom Capacity Pounds	Boom Oper. Rad. Feet
140 Ft. BOOM							
26	82.7	148.5	421,300 *	463,700 *	480,000 *	480,000 *	26
28	81.9	148.2	389,100 *	428,700 *	480,000 *	480,000 *	28
30	81.1	147.9	361,000 *	398,100 *	449,400 *	480,000 *	30
32	80.2	147.5	336,100 *	371,100 *	419,400 *	473,700 *	32
34	79.4	147.1	314,000 *	347,000 *	392,700 *	444,000 *	34
36	78.6	146.6	287,600	325,500 *	368,700 *	417,400 *	36
38	77.7	146.2	261,300	306,200 *	347,200 *	393,400 *	38
40	76.9	145.7	238,700	288,600 *	327,700 *	371,800 *	40
42	76.0	145.2	219,100	272,700 *	310,000 *	352,000 *	42
44	75.2	144.6	201,800	255,200	293,900 *	334,000 *	44
46	74.3	144.0	186,600	236,900	279,000 *	317,500 *	46
48	73.5	143.4	173,000	220,500	265,400 *	302,400 *	48
50	72.6	142.7	160,800	205,900	252,800 *	288,300 *	50
55	70.4	141.0	135,200	175,100	225,100 *	257,600 *	55
60	68.2	138.9	114,900	150,700	201,100	231,800 *	60
65	66.0	136.7	98,300	130,800	176,500	209,800 *	65
70	63.7	134.2	84,600	114,300	156,100	190,900 *	70
75	61.4	131.5	73,000	100,400	138,900	174,400 *	75
80	59.0	128.5	63,100	88,500	124,200	160,000 *	80
85	56.5	125.2	54,500	78,200	111,500	145,700 *	85
90	54.0	121.6	47,100	69,200	100,400	131,000 *	90
95	51.4	117.6	40,500	61,300	90,600	118,000 *	95
100	48.7	113.2	34,600	54,300	81,900	106,200 *	100
105	45.9	108.4	29,400	48,000	74,200	95,600 *	105
110	42.9	103.1	24,700	42,400	67,200	85,900 *	110
115	39.7	97.2	20,400	37,200	60,900	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. Wheeled 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. Wheeled Counterweight Boom Capacity Pounds	55,000 Lb. Wheeled Counterweight Boom Capacity Pounds	135,000 Lb. Wheeled Counterweight Boom Capacity Pounds	225,000 Lb. Wheeled Counterweight Boom Capacity Pounds	Boom Oper. Rad. Feet
160 Ft. BOOM							
28	82.9	168.4	388,800 *	428,400 *	480,000 *	480,000 *	28
30	82.2	168.1	360,700 *	397,800 *	449,100 *	480,000 *	30
32	81.5	167.8	335,900 *	370,900 *	419,200 *	473,500 *	32
34	80.7	167.5	313,900 *	346,900 *	392,500 *	443,800 *	34
36	80.0	167.1	289,000	325,400 *	368,600 *	417,300 *	36
38	79.3	166.7	262,700	306,100 *	347,200 *	393,400 *	38
40	78.6	166.2	240,000	288,600 *	327,700 *	371,700 *	40
42	77.8	165.8	220,300	272,700 *	310,000 *	352,100 *	42
44	77.1	165.3	203,100	256,500	293,900 *	334,100 *	44
46	76.3	164.8	187,800	238,100	279,100 *	317,600 *	46
48	75.6	164.3	174,100	221,700	265,500 *	302,500 *	48
50	74.9	163.7	161,900	207,100	252,900 *	288,500 *	50
55	73.0	162.1	136,300	176,300	225,300 *	257,800 *	55
60	71.1	160.4	115,900	151,800	202,200	232,000 *	60
65	69.2	158.5	99,300	131,900	177,500	210,100 *	65
70	67.2	156.4	85,600	115,300	157,100	191,200 *	70
75	65.3	154.1	74,000	101,400	139,900	174,800 *	75
80	63.3	151.6	64,100	89,500	125,200	160,300 *	80
85	61.2	148.8	55,500	79,200	112,500	147,500 *	85
90	59.1	145.8	48,000	70,200	101,300	136,100 *	90
95	57.0	142.6	41,400	62,300	91,600	124,500	95
100	54.8	139.1	35,500	55,200	82,900	114,000	100
105	52.6	135.3	30,300	48,900	75,100	103,700 *	105
110	50.2	131.1	25,600	43,300	68,100	93,700 *	110
115	47.8	126.6	21,300	38,200	61,800	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. Wheeled 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. Wheeled Counterweight Boom Capacity Pounds	55,000 Lb. Wheeled Counterweight Boom Capacity Pounds	135,000 Lb. Wheeled Counterweight Boom Capacity Pounds	225,000 Lb. Wheeled Counterweight Boom Capacity Pounds	Boom Oper. Rad. Feet
180 Ft. BOOM							
32	82.4	188.1	333,200 *	368,200 *	416,500 *	470,800 *	32
34	81.8	187.7	311,200 *	344,200 *	389,800 *	441,100 *	34
36	81.1	187.4	289,000	322,700 *	366,000 *	414,600 *	36
38	80.5	187.1	262,500	303,400 *	344,500 *	390,700 *	38
40	79.8	186.7	239,700	285,900 *	325,100 *	369,100 *	40
42	79.2	186.3	219,900	270,000 *	307,400 *	349,400 *	42
44	78.5	185.8	202,500	255,500 *	291,300 *	331,400 *	44
46	77.9	185.4	187,100	237,400	276,500 *	315,000 *	46
48	77.2	184.9	173,300	220,900	262,800 *	299,800 *	48
50	76.6	184.4	161,000	206,200	250,300 *	285,800 *	50
55	74.9	183.1	135,200	175,200	222,700 *	255,100 *	55
60	73.3	181.5	114,700	150,500	199,600 *	229,400 *	60
65	71.6	179.9	98,000	130,500	176,200	207,500 *	65
70	69.9	178.0	84,100	113,800	155,600	188,600 *	70
75	68.2	176.0	72,400	99,800	138,300	172,100 *	75
80	66.4	173.8	62,400	87,800	123,500	157,700 *	80
85	64.7	171.5	53,800	77,400	110,700	144,900 *	85
90	62.9	168.9	46,200	68,400	99,600	133,500 *	90
95	61.1	166.1	39,600	60,400	89,700	122,700	95
100	59.2	163.2	33,700	53,300	81,000	112,100	100
105	57.3	160.0	28,400	47,000	73,200	102,600	105
110	55.4	156.5	23,600	41,300	66,200	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. Wheeled 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. Wheeled Counterweight Boom Capacity Pounds	55,000 Lb. Wheeled Counterweight Boom Capacity Pounds	135,000 Lb. Wheeled Counterweight Boom Capacity Pounds	225,000 Lb. Wheeled Counterweight Boom Capacity Pounds	Boom Oper. Rad. Feet
200 Ft. BOOM							
34	82.6	208.0	311,100 *	344,100 *	389,800 *	441,100 *	34
36	82.0	207.7	290,800	322,700 *	365,900 *	414,600 *	36
38	81.5	207.4	264,100	303,400 *	344,500 *	390,700 *	38
40	80.9	207.0	241,200	285,900 *	325,000 *	369,000 *	40
42	80.3	206.6	221,300	270,000 *	307,400 *	349,400 *	42
44	79.7	206.3	203,800	255,500 *	291,200 *	331,400 *	44
46	79.1	205.9	188,300	238,700	276,500 *	315,000 *	46
48	78.5	205.4	174,600	222,100	262,800 *	299,800 *	48
50	78.0	205.0	162,200	207,300	250,300 *	285,800 *	50
55	76.5	203.8	136,200	176,200	222,700 *	255,100 *	55
60	75.0	202.4	115,600	151,500	199,600 *	229,400 *	60
65	73.5	200.9	98,800	131,300	177,000	207,500 *	65
70	72.0	199.3	84,900	114,600	156,400	188,600 *	70
75	70.5	197.5	73,100	100,500	139,100	172,200 *	75
80	68.9	195.6	63,100	88,500	124,200	157,700 *	80
85	67.4	193.5	54,400	78,100	111,400	144,900 *	85
90	65.8	191.3	46,800	69,000	100,200	133,500 *	90
95	64.2	188.8	40,100	61,000	90,300	123,200	95
100	62.6	186.2	34,200	53,900	81,500	112,600	100
105	61.0	183.5	28,900	47,500	73,700	103,100	105
110	59.3	180.5	24,100	41,800	66,600	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. Wheeled 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. Wheeled Counterweight Boom Capacity Pounds	55,000 Lb. Wheeled Counterweight Boom Capacity Pounds	135,000 Lb. Wheeled Counterweight Boom Capacity Pounds	225,000 Lb. Wheeled Counterweight Boom Capacity Pounds	Boom Oper. Rad. Feet
220 Ft. BOOM							
36	82.8	227.9	291,200 *	322,400 *	359,000 *	359,000 *	36
38	82.2	227.6	265,200	303,200 *	344,200 *	359,000 *	38
40	81.7	227.3	242,300	285,700 *	324,800 *	359,000 *	40
42	81.2	227.0	222,300	269,800 *	307,200 *	349,200 *	42
44	80.7	226.6	204,700	255,300 *	291,100 *	331,200 *	44
46	80.1	226.2	189,200	239,500	276,300 *	314,800 *	46
48	79.6	225.9	175,400	223,000	262,700 *	299,700 *	48
50	79.1	225.5	163,000	208,100	250,100 *	285,700 *	50
55	77.7	224.4	137,000	176,900	222,600 *	255,000 *	55
60	76.4	223.1	116,300	152,100	199,500 *	229,300 *	60
65	75.0	221.8	99,400	131,900	177,600	207,400 *	65
70	73.7	220.3	85,500	115,200	157,000	188,500 *	70
75	72.3	218.7	73,700	101,100	139,600	172,100 *	75
80	70.9	217.0	63,600	89,000	124,700	157,700 *	80
85	69.5	215.1	54,900	78,600	111,800	144,900 *	85
90	68.1	213.1	47,300	69,400	100,600	133,500 *	90
95	66.7	211.0	40,600	61,400	90,700	123,300 *	95
100	65.3	208.6	34,600	54,300	81,900	113,000	100
105	63.8	206.2	29,300	47,900	74,100	103,500	105
110	62.4	203.6	24,500	42,200	67,000	95,000	110
115	60.9	200.8	20,200	37,000	60,600	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. Wheeled 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. Wheeled Counterweight Boom Capacity Pounds	135,000 Lb. Wheeled Counterweight Boom Capacity Pounds	225,000 Lb. Wheeled Counterweight Boom Capacity Pounds	Boom Oper. Rad. Feet
240 Ft. BOOM						
38	82.9	247.8	302,900 *	335,200 *	335,200 *	38
40	82.4	247.5	285,500 *	324,600 *	335,200 *	40
42	81.9	247.2	269,600 *	307,000 *	335,200 *	42
44	81.4	246.9	255,100 *	290,900 *	331,100 *	44
46	81.0	246.6	240,200	276,100 *	314,600 *	46
48	80.5	246.2	223,600	262,500 *	299,500 *	48
50	80.0	245.8	208,700	250,000 *	285,500 *	50
55	78.8	244.8	177,400	222,400 *	254,900 *	55
60	77.5	243.7	152,600	199,300 *	229,200 *	60
65	76.3	242.5	132,400	178,100	207,300 *	65
70	75.1	241.2	115,600	157,400	188,400 *	70
75	73.8	239.7	101,400	140,000	172,000 *	75
80	72.6	238.1	89,300	125,100	157,600 *	80
85	71.3	236.4	78,900	112,200	144,800 *	85
90	70.1	234.6	69,700	100,900	133,400 *	90
95	68.8	232.7	61,700	91,000	123,200 *	95
100	67.5	230.6	54,600	82,200	113,300	100
105	66.2	228.4	48,200	74,300	103,800	105
110	64.9	226.0	42,400	67,300	95,200	110
115	63.5	223.5	37,200	60,900	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. Wheeled 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. Wheeled Counterweight Boom Capacity Pounds	225,000 Lb. Wheeled Counterweight Boom Capacity Pounds
260 Ft. BOOM				
40	83.0	267.7	276,200 *	276,200 *
42	82.5	267.4	272,500 *	272,500 *
44	82.1	267.1	268,800 *	268,800 *
46	81.7	266.8	265,100 *	265,100 *
48	81.2	266.5	261,400 *	261,400 *
50	80.8	266.2	249,300 *	257,800 *
55	79.6	265.2	221,800 *	248,800 *
60	78.5	264.2	198,800 *	228,600 *
65	77.4	263.1	178,100	206,700 *
70	76.3	261.9	157,400	187,900 *
75	75.1	260.5	139,900	171,500 *
80	74.0	259.1	125,000	157,100 *
85	72.8	257.5	112,100	144,300 *
90	71.7	255.9	100,800	132,900 *
95	70.5	254.1	90,900	122,700 *
100	69.3	252.2	82,100	113,200
105	68.1	250.2	74,200	103,700
110	66.9	248.1	67,100	95,100
115	65.7	245.8	60,700	87,300
120	64.5	243.4	54,900	80,300
125	63.3	240.9	49,600	73,900
130	62.0	238.2	44,800	68,000
135	60.7	235.4	40,300	62,600
140	59.5	232.5	36,100 *	57,600
145	58.2	229.4	31,600 *	53,000
150	56.9	226.1	27,400 *	48,100 *
155	55.5	222.7	23,400 *	43,500 *
160	54.2	219.1	19,700 *	39,100 *
165	52.8	215.3	16,200 *	35,000 *
170	51.4	211.3	13,000 *	31,200 *
175	49.9	207.1		27,600 *
180	48.5	202.7		24,200 *
185	47.0	198.0		20,900 *
190	45.4	193.1		17,900 *
195	43.8	187.9		15,000 *
200	42.2	182.5		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. Wheeled 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. Wheeled Counterweight Boom Capacity Pounds	225,000 Lb. Wheeled Counterweight Boom Capacity Pounds
280 Ft. BOOM				
44	82.7	287.3	236,100 *	236,100 *
46	82.3	287.1	232,800 *	232,800 *
48	81.8	286.8	229,600 *	229,600 *
50	81.4	286.4	226,300 *	226,300 *
55	80.4	285.6	218,300 *	218,300 *
60	79.4	284.6	198,400 *	210,400 *
65	78.3	283.6	178,300	202,700 *
70	77.3	282.5	157,600	187,600 *
75	76.2	281.2	140,100	171,200 *
80	75.1	279.9	125,100	156,800 *
85	74.1	278.5	112,200	144,000 *
90	73.0	276.9	100,900	132,600 *
95	71.9	275.3	91,000	122,400 *
100	70.9	273.6	82,100	113,200 *
105	69.8	271.7	74,200	103,700
110	68.7	269.7	67,200	95,100
115	67.6	267.7	60,700	87,300
120	66.4	265.5	54,900	80,300
125	65.3	263.2	49,600	73,900
130	64.2	260.8	44,700	68,000
135	63.0	258.2	40,200	62,500
140	61.9	255.5	36,100	57,500
145	60.7	252.7	31,800 *	52,900
150	59.5	249.8	27,500 *	48,400 *
155	58.3	246.7	23,500 *	43,700 *
160	57.1	243.5	19,800 *	39,300 *
165	55.8	240.1	16,300 *	35,200 *
170	54.6	236.5	13,100 *	31,300 *
175	53.3	232.8	10,000 *	27,700 *
180	52.0	228.9		24,300 *
185	50.7	224.8		21,000 *
190	49.4	220.6		18,000 *
195	48.0	216.1		15,100 *
200	46.6	211.3		12,300 *



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. Wheeled 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. Wheeled Counterweight Boom Capacity Pounds
300 Ft. BOOM			
46	82.8	307.3	176,100 *
48	82.4	307.0	173,700 *
50	82.0	306.7	171,300 *
55	81.0	305.9	165,200 *
60	80.1	305.0	159,200 *
65	79.1	304.0	153,200 *
70	78.1	303.0	147,200 *
75	77.1	301.8	141,400 *
80	76.2	300.6	135,700 *
85	75.2	299.3	130,000 *
90	74.2	297.8	124,500 *
95	73.2	296.3	119,100 *
100	72.2	294.7	112,400 *
105	71.2	293.0	103,200
110	70.2	291.2	94,600
115	69.1	289.3	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. Wheeled 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. Wheeled Counterweight Boom Capacity Pounds	55,000 Lb. Wheeled Counterweight Boom Capacity Pounds	135,000 Lb. Wheeled Counterweight Boom Capacity Pounds	225,000 Lb. Wheeled Counterweight Boom Capacity Pounds	Boom Oper. Rad. Feet
140 Ft. BOOM							
26	82.7	148.5	418,400 *	460,800 *	480,000 *	480,000 *	26
28	81.9	148.2	386,200 *	425,800 *	480,000 *	480,000 *	28
30	81.1	147.9	358,100 *	395,300 *	446,600 *	480,000 *	30
32	80.2	147.5	333,300 *	368,300 *	416,600 *	470,900 *	32
34	79.4	147.1	311,200 *	344,200 *	389,900 *	441,200 *	34
36	78.6	146.6	283,900	322,800 *	366,000 *	414,600 *	36
38	77.7	146.2	257,700	303,400 *	344,500 *	390,700 *	38
40	76.9	145.7	235,200	285,900 *	325,000 *	369,000 *	40
42	76.0	145.2	215,600	270,000 *	307,300 *	349,400 *	42
44	75.2	144.6	198,500	251,900	291,200 *	331,400 *	44
46	74.3	144.0	183,300	233,600	276,400 *	314,900 *	46
48	73.5	143.4	169,700	217,300	262,700 *	299,700 *	48
50	72.6	142.7	157,600	202,700	250,200 *	285,700 *	50
55	70.4	141.0	132,100	172,100	222,500 *	255,000 *	55
60	68.2	138.9	111,900	147,700	198,100	229,200 *	60
65	66.0	136.7	95,400	127,900	173,600	207,300 *	65
70	63.7	134.2	81,700	111,400	153,200	188,400 *	70
75	61.4	131.5	70,200	97,600	136,100	171,900 *	75
80	59.0	128.5	60,300	85,700	121,400	157,500 *	80
85	56.5	125.2	51,800	75,500	108,800	142,200 *	85
90	54.0	121.6	44,400	66,500	97,700	127,600 *	90
95	51.4	117.6	37,800	58,700	88,000	114,500 *	95
100	48.7	113.2	32,000	51,700	79,300	102,800 *	100
105	45.9	108.4	26,800	45,400	71,600	92,200 *	105
110	42.9	103.1	22,100	39,800	64,600	82,500 *	110
115	39.7	97.2	17,400 *	34,700	58,300	73,700 *	115
120	36.3	90.5	12,800 *	30,100	52,600	65,500 *	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. Wheeled 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. Wheeled Counterweight Boom Capacity Pounds	55,000 Lb. Wheeled Counterweight Boom Capacity Pounds	135,000 Lb. Wheeled Counterweight Boom Capacity Pounds	225,000 Lb. Wheeled Counterweight Boom Capacity Pounds	Boom Oper. Rad. Feet
160 Ft. BOOM							
28	82.9	168.4	386,000 *	425,600 *	480,000 *	480,000 *	28
30	82.2	168.1	358,000 *	395,100 *	446,400 *	480,000 *	30
32	81.5	167.8	333,200 *	368,100 *	416,500 *	470,800 *	32
34	80.7	167.5	311,200 *	344,200 *	389,800 *	441,200 *	34
36	80.0	167.1	285,400	322,800 *	366,000 *	414,600 *	36
38	79.3	166.7	259,200	303,500 *	344,500 *	390,700 *	38
40	78.6	166.2	236,700	286,000 *	325,100 *	369,100 *	40
42	77.8	165.8	217,100	270,100 *	307,500 *	349,500 *	42
44	77.1	165.3	199,900	253,300	291,300 *	331,500 *	44
46	76.3	164.8	184,600	235,000	276,600 *	315,100 *	46
48	75.6	164.3	171,100	218,700	263,000 *	299,900 *	48
50	74.9	163.7	158,900	204,000	250,400 *	286,000 *	50
55	73.0	162.1	133,400	173,300	222,900 *	255,300 *	55
60	71.1	160.4	113,100	148,900	199,300	229,600 *	60
65	69.2	158.5	96,600	129,100	174,800	207,700 *	65
70	67.2	156.4	82,900	112,600	154,400	188,800 *	70
75	65.3	154.1	71,300	98,700	137,200	172,400 *	75
80	63.3	151.6	61,500	86,900	122,600	158,000 *	80
85	61.2	148.8	52,900	76,600	109,900	145,200 *	85
90	59.1	145.8	45,500	67,600	98,800	133,800 *	90
95	57.0	142.6	38,900	59,700	89,000	122,000	95
100	54.8	139.1	33,100	52,700	80,400	111,400 *	100
105	52.6	135.3	27,900	46,500	72,700	100,500 *	105
110	50.2	131.1	23,200	40,800	65,700	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. Wheeled 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. Wheeled Counterweight Boom Capacity Pounds	55,000 Lb. Wheeled Counterweight Boom Capacity Pounds	135,000 Lb. Wheeled Counterweight Boom Capacity Pounds	225,000 Lb. Wheeled Counterweight Boom Capacity Pounds	Boom Oper. Rad. Feet
180 Ft. BOOM							
32	82.4	188.1	330,600 *	365,500 *	413,800 *	468,200 *	32
34	81.8	187.7	308,600 *	341,600 *	387,200 *	438,600 *	34
36	81.1	187.4	285,600	320,200 *	363,400 *	412,000 *	36
38	80.5	187.1	259,200	300,900 *	342,000 *	388,200 *	38
40	79.8	186.7	236,500	283,400 *	322,600 *	366,600 *	40
42	79.2	186.3	216,800	267,600 *	304,900 *	346,900 *	42
44	78.5	185.8	199,400	252,800	288,800 *	329,000 *	44
46	77.9	185.4	184,100	234,400	274,000 *	312,500 *	46
48	77.2	184.9	170,400	218,000	260,400 *	297,400 *	48
50	76.6	184.4	158,200	203,300	247,900 *	283,400 *	50
55	74.9	183.1	132,400	172,400	220,300 *	252,800 *	55
60	73.3	181.5	112,000	147,800	197,200 *	227,000 *	60
65	71.6	179.9	95,300	127,800	173,500	205,100 *	65
70	69.9	178.0	81,500	111,300	153,100	186,300 *	70
75	68.2	176.0	69,900	97,300	135,800	169,900 *	75
80	66.4	173.8	59,900	85,300	121,000	155,400 *	80
85	64.7	171.5	51,300	75,000	108,300	142,700 *	85
90	62.9	168.9	43,800	66,000	97,100	131,300 *	90
95	61.1	166.1	37,200	58,000	87,300	120,300	95
100	59.2	163.2	31,300	51,000	78,600	109,700	100
105	57.3	160.0	26,000	44,700	70,800	100,300	105
110	55.4	156.5	21,300	39,000	63,800	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. Wheeled 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. Wheeled Counterweight Boom Capacity Pounds	55,000 Lb. Wheeled Counterweight Boom Capacity Pounds	135,000 Lb. Wheeled Counterweight Boom Capacity Pounds	225,000 Lb. Wheeled Counterweight Boom Capacity Pounds	Boom Oper. Rad. Feet
200 Ft. BOOM							
34	82.6	208.0	308,600 *	341,600 *	387,200 *	438,600 *	34
36	82.0	207.7	287,500	320,200 *	363,400 *	412,100 *	36
38	81.5	207.4	261,000	300,900 *	342,000 *	388,200 *	38
40	80.9	207.0	238,100	283,500 *	322,600 *	366,600 *	40
42	80.3	206.6	218,300	267,600 *	305,000 *	347,000 *	42
44	79.7	206.3	200,900	253,100 *	288,900 *	329,000 *	44
46	79.1	205.9	185,500	235,800	274,100 *	312,600 *	46
48	78.5	205.4	171,700	219,300	260,500 *	297,500 *	48
50	78.0	205.0	159,400	204,500	247,900 *	283,500 *	50
55	76.5	203.8	133,600	173,500	220,400 *	252,900 *	55
60	75.0	202.4	113,000	148,900	197,300 *	227,100 *	60
65	73.5	200.9	96,300	128,800	174,500	205,300 *	65
70	72.0	199.3	82,400	112,200	153,900	186,400 *	70
75	70.5	197.5	70,700	98,100	136,600	170,000 *	75
80	68.9	195.6	60,700	86,100	121,800	155,600 *	80
85	67.4	193.5	52,000	75,700	109,000	142,800 *	85
90	65.8	191.3	44,500	66,700	97,800	131,400 *	90
95	64.2	188.8	37,800	58,700	88,000	121,000	95
100	62.6	186.2	31,900	51,600	79,200	110,300	100
105	61.0	183.5	26,600	45,300	71,400	100,900	105
110	59.3	180.5	21,900	39,600	64,400	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. Wheeled 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. Wheeled Counterweight Boom Capacity Pounds	55,000 Lb. Wheeled Counterweight Boom Capacity Pounds	135,000 Lb. Wheeled Counterweight Boom Capacity Pounds	225,000 Lb. Wheeled Counterweight Boom Capacity Pounds	Boom Oper. Rad. Feet
220 Ft. BOOM							
36	82.8	227.9	288,700 *	320,000 *	356,200 *	356,200 *	36
38	82.2	227.6	262,100	300,800 *	341,800 *	356,200 *	38
40	81.7	227.3	239,300	283,300 *	322,500 *	356,200 *	40
42	81.2	227.0	219,300	267,500 *	304,800 *	346,800 *	42
44	80.7	226.6	201,900	253,000 *	288,700 *	328,900 *	44
46	80.1	226.2	186,400	236,800	274,000 *	312,500 *	46
48	79.6	225.9	172,600	220,200	260,400 *	297,400 *	48
50	79.1	225.5	160,300	205,400	247,900 *	283,400 *	50
55	77.7	224.4	134,400	174,300	220,400 *	252,800 *	55
60	76.4	223.1	113,800	149,600	197,300 *	227,100 *	60
65	75.0	221.8	97,000	129,500	175,200	205,200 *	65
70	73.7	220.3	83,100	112,800	154,600	186,400 *	70
75	72.3	218.7	71,300	98,700	137,200	170,000 *	75
80	70.9	217.0	61,300	86,700	122,400	155,600 *	80
85	69.5	215.1	52,600	76,300	109,600	142,800 *	85
90	68.1	213.1	45,000	67,200	98,400	131,400 *	90
95	66.7	211.0	38,300	59,200	88,500	121,200 *	95
100	65.3	208.6	32,400	52,100	79,700	110,800	100
105	63.8	206.2	27,100	45,700	71,900	101,400	105
110	62.4	203.6	22,300	40,000	64,900	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. Wheeled 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. Wheeled Counterweight Boom Capacity Pounds	135,000 Lb. Wheeled Counterweight Boom Capacity Pounds	225,000 Lb. Wheeled Counterweight Boom Capacity Pounds	Boom Oper. Rad. Feet
240 Ft. BOOM						
38	82.9	247.8	300,600 *	331,900 *	331,900 *	38
40	82.4	247.5	283,200 *	322,300 *	331,900 *	40
42	81.9	247.2	267,300 *	304,700 *	331,900 *	42
44	81.4	246.9	252,900 *	288,600 *	328,800 *	44
46	81.0	246.6	237,500	273,900 *	312,400 *	46
48	80.5	246.2	220,900	260,300 *	297,300 *	48
50	80.0	245.8	206,100	247,800 *	283,300 *	50
55	78.8	244.8	174,900	220,300 *	252,700 *	55
60	77.5	243.7	150,200	197,200 *	227,000 *	60
65	76.3	242.5	130,000	175,700	205,200 *	65
70	75.1	241.2	113,300	155,100	186,300 *	70
75	73.8	239.7	99,200	137,700	169,900 *	75
80	72.6	238.1	87,100	122,800	155,500 *	80
85	71.3	236.4	76,700	110,000	142,800 *	85
90	70.1	234.6	67,600	98,700	131,400 *	90
95	68.8	232.7	59,500	88,900	121,200 *	95
100	67.5	230.6	52,400	80,100	111,200	100
105	66.2	228.4	46,100	72,200	101,700	105
110	64.9	226.0	40,300	65,200	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. Wheeled 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. Wheeled Counterweight Boom Capacity Pounds	225,000 Lb. Wheeled Counterweight Boom Capacity Pounds
260 Ft. BOOM				
40	83.0	267.7	274,000 *	274,000 *
42	82.5	267.4	270,300 *	270,300 *
44	82.1	267.1	266,600 *	266,600 *
46	81.7	266.8	262,900 *	262,900 *
48	81.2	266.5	259,200 *	259,200 *
50	80.8	266.2	247,200 *	255,600 *
55	79.6	265.2	219,700 *	246,600 *
60	78.5	264.2	196,700 *	226,500 *
65	77.4	263.1	175,800	204,700 *
70	76.3	261.9	155,100	185,800 *
75	75.1	260.5	137,700	169,500 *
80	74.0	259.1	122,800	155,100 *
85	72.8	257.5	109,900	142,300 *
90	71.7	255.9	98,700	131,000 *
95	70.5	254.1	88,800	120,800 *
100	69.3	252.2	80,000	111,100
105	68.1	250.2	72,200	101,600
110	66.9	248.1	65,100	93,100
115	65.7	245.8	58,700	85,300
120	64.5	243.4	52,900	78,300
125	63.3	240.9	47,600	71,900
130	62.0	238.2	42,800	66,000
135	60.7	235.4	38,300	60,600
140	59.5	232.5	33,600 *	55,600
145	58.2	229.4	29,100 *	50,600 *
150	56.9	226.1	24,800 *	45,600 *
155	55.5	222.7	20,900 *	40,900 *
160	54.2	219.1	17,200 *	36,600 *
165	52.8	215.3	13,700 *	32,500 *
170	51.4	211.3	10,500 *	28,700 *
175	49.9	207.1		25,100 *
180	48.5	202.7		21,700 *
185	47.0	198.0		18,500 *
190	45.4	193.1		15,400 *
195	43.8	187.9		12,600 *



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

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. Wheeled 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. Wheeled Counterweight Boom Capacity Pounds
300 Ft. BOOM			
46	82.8	307.3	174,000 *
48	82.4	307.0	171,500 *
50	82.0	306.7	169,100 *
55	81.0	305.9	163,100 *
60	80.1	305.0	157,000 *
65	79.1	304.0	151,000 *
70	78.1	303.0	145,100 *
75	77.1	301.8	139,300 *
80	76.2	300.6	133,600 *
85	75.2	299.3	127,900 *
90	74.2	297.8	122,400 *
95	73.2	296.3	117,000 *
100	72.2	294.7	110,600 *
105	71.2	293.0	101,300
110	70.2	291.2	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. Wheeled 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. Wheeled Counterweight Boom Capacity Pounds	55,000 Lb. Wheeled Counterweight Boom Capacity Pounds	135,000 Lb. Wheeled Counterweight Boom Capacity Pounds	225,000 Lb. Wheeled Counterweight Boom Capacity Pounds	Boom Oper. Rad. Feet
140 Ft. BOOM							
26	82.7	148.5	415,400 *	457,900 *	480,000 *	480,000 *	26
28	81.9	148.2	383,400 *	423,000 *	477,700 *	480,000 *	28
30	81.1	147.9	355,300 *	392,400 *	443,800 *	480,000 *	30
32	80.2	147.5	330,500 *	365,500 *	413,800 *	468,100 *	32
34	79.4	147.1	308,500 *	341,500 *	387,100 *	438,500 *	34
36	78.6	146.6	280,100	320,100 *	363,300 *	411,900 *	36
38	77.7	146.2	254,100	300,800 *	341,800 *	388,000 *	38
40	76.9	145.7	231,700	283,300 *	322,400 *	366,400 *	40
42	76.0	145.2	212,200	267,400 *	304,700 *	346,700 *	42
44	75.2	144.6	195,100	248,500	288,600 *	328,800 *	44
46	74.3	144.0	180,000	230,300	273,800 *	312,300 *	46
48	73.5	143.4	166,500	214,100	260,200 *	297,200 *	48
50	72.6	142.7	154,500	199,600	247,600 *	283,200 *	50
55	70.4	141.0	129,100	169,100	220,100 *	252,500 *	55
60	68.2	138.9	109,000	144,800	195,200	226,800 *	60
65	66.0	136.7	92,600	125,100	170,800	204,900 *	65
70	63.7	134.2	79,000	108,700	150,500	186,000 *	70
75	61.4	131.5	67,500	94,900	133,400	169,600 *	75
80	59.0	128.5	57,700	83,100	118,800	155,200 *	80
85	56.5	125.2	49,200	72,900	106,200	138,900 *	85
90	54.0	121.6	41,800	64,000	95,200	124,300 *	90
95	51.4	117.6	35,300	56,200	85,500	111,300 *	95
100	48.7	113.2	29,500	49,200	76,800	99,600 *	100
105	45.9	108.4	24,400	43,000	69,100	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. Wheeled 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. Wheeled Counterweight Boom Capacity Pounds	55,000 Lb. Wheeled Counterweight Boom Capacity Pounds	135,000 Lb. Wheeled Counterweight Boom Capacity Pounds	225,000 Lb. Wheeled Counterweight Boom Capacity Pounds	Boom Oper. Rad. Feet
160 Ft. BOOM							
28	82.9	168.4	383,200 *	422,800 *	477,600 *	480,000 *	28
30	82.2	168.1	355,300 *	392,400 *	443,700 *	480,000 *	30
32	81.5	167.8	330,500 *	365,500 *	413,800 *	468,100 *	32
34	80.7	167.5	308,600 *	341,600 *	387,200 *	438,500 *	34
36	80.0	167.1	281,900	320,200 *	363,400 *	412,100 *	36
38	79.3	166.7	255,800	300,900 *	342,000 *	388,200 *	38
40	78.6	166.2	233,300	283,500 *	322,600 *	366,600 *	40
42	77.8	165.8	213,800	267,600 *	305,000 *	347,000 *	42
44	77.1	165.3	196,700	250,100	288,900 *	329,100 *	44
46	76.3	164.8	181,600	231,900	274,100 *	312,700 *	46
48	75.6	164.3	168,100	215,600	260,600 *	297,500 *	48
50	74.9	163.7	156,000	201,100	248,000 *	283,600 *	50
55	73.0	162.1	130,600	170,500	220,500 *	253,000 *	55
60	71.1	160.4	110,400	146,200	196,600	227,300 *	60
65	69.2	158.5	93,900	126,400	172,100	205,400 *	65
70	67.2	156.4	80,300	110,000	151,800	186,600 *	70
75	65.3	154.1	68,800	96,200	134,700	170,200 *	75
80	63.3	151.6	59,000	84,400	120,100	155,800 *	80
85	61.2	148.8	50,500	74,200	107,500	143,000 *	85
90	59.1	145.8	43,100	65,300	96,400	131,500	90
95	57.0	142.6	36,500	57,400	86,700	119,700	95
100	54.8	139.1	30,700	50,400	78,100	108,400 *	100
105	52.6	135.3	25,600	44,200	70,400	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. Wheeled 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. Wheeled Counterweight Boom Capacity Pounds	55,000 Lb. Wheeled Counterweight Boom Capacity Pounds	135,000 Lb. Wheeled Counterweight Boom Capacity Pounds	225,000 Lb. Wheeled Counterweight Boom Capacity Pounds	Boom Oper. Rad. Feet
180 Ft. BOOM							
32	82.4	188.1	328,000 *	363,000 *	411,300 *	465,600 *	32
34	81.8	187.7	306,100 *	339,100 *	384,700 *	436,000 *	34
36	81.1	187.4	282,200	317,700 *	360,900 *	409,600 *	36
38	80.5	187.1	255,900	298,400 *	339,500 *	385,700 *	38
40	79.8	186.7	233,300	281,000 *	320,100 *	364,200 *	40
42	79.2	186.3	213,600	265,200 *	302,500 *	344,500 *	42
44	78.5	185.8	196,400	249,800	286,400 *	326,600 *	44
46	77.9	185.4	181,100	231,500	271,700 *	310,200 *	46
48	77.2	184.9	167,500	215,100	258,100 *	295,100 *	48
50	76.6	184.4	155,300	200,500	245,600 *	281,100 *	50
55	74.9	183.1	129,700	169,700	218,100 *	250,500 *	55
60	73.3	181.5	109,400	145,200	195,000 *	224,800 *	60
65	71.6	179.9	92,800	125,300	171,000	203,000 *	65
70	69.9	178.0	79,100	108,800	150,600	184,200 *	70
75	68.2	176.0	67,500	94,900	133,400	167,800 *	75
80	66.4	173.8	57,600	83,000	118,700	153,400 *	80
85	64.7	171.5	49,000	72,700	106,000	140,600 *	85
90	62.9	168.9	41,500	63,700	94,900	129,200 *	90
95	61.1	166.1	34,900	55,800	85,100	118,100	95
100	59.2	163.2	29,100	48,800	76,400	107,500	100
105	57.3	160.0	23,900	42,500	68,700	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. Wheeled 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. Wheeled Counterweight Boom Capacity Pounds	55,000 Lb. Wheeled Counterweight Boom Capacity Pounds	135,000 Lb. Wheeled Counterweight Boom Capacity Pounds	225,000 Lb. Wheeled Counterweight Boom Capacity Pounds	Boom Oper. Rad. Feet
200 Ft. BOOM							
34	82.6	208.0	306,200 *	339,200 *	384,800 *	436,100 *	34
36	82.0	207.7	284,200	317,800 *	361,000 *	409,700 *	36
38	81.5	207.4	257,800	298,600 *	339,600 *	385,800 *	38
40	80.9	207.0	235,000	281,100 *	320,300 *	364,300 *	40
42	80.3	206.6	215,300	265,300 *	302,700 *	344,700 *	42
44	79.7	206.3	198,000	250,900 *	286,600 *	326,800 *	44
46	79.1	205.9	182,600	233,000	271,800 *	310,400 *	46
48	78.5	205.4	169,000	216,500	258,300 *	295,200 *	48
50	78.0	205.0	156,700	201,800	245,700 *	281,300 *	50
55	76.5	203.8	131,000	170,900	218,300 *	250,700 *	55
60	75.0	202.4	110,500	146,400	195,200 *	225,000 *	60
65	73.5	200.9	93,900	126,400	172,100	203,200 *	65
70	72.0	199.3	80,100	109,800	151,600	184,300 *	70
75	70.5	197.5	68,400	95,800	134,300	168,000 *	75
80	68.9	195.6	58,500	83,900	119,600	153,600 *	80
85	67.4	193.5	49,800	73,500	106,800	140,800 *	85
90	65.8	191.3	42,300	64,500	95,700	129,400 *	90
95	64.2	188.8	35,700	56,500	85,900	118,800	95
100	62.6	186.2	29,800	49,500	77,100	108,300	100
105	61.0	183.5	24,600	43,200	69,400	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. Wheeled 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. Wheeled Counterweight Boom Capacity Pounds	55,000 Lb. Wheeled Counterweight Boom Capacity Pounds	135,000 Lb. Wheeled Counterweight Boom Capacity Pounds	225,000 Lb. Wheeled Counterweight Boom Capacity Pounds	Boom Oper. Rad. Feet
220 Ft. BOOM							
36	82.8	227.9	285,500	317,700 *	353,800 *	353,800 *	36
38	82.2	227.6	259,000	298,400 *	339,500 *	353,800 *	38
40	81.7	227.3	236,300	281,100 *	320,200 *	353,800 *	40
42	81.2	227.0	216,400	265,200 *	302,600 *	344,600 *	42
44	80.7	226.6	199,100	250,800 *	286,500 *	326,700 *	44
46	80.1	226.2	183,700	234,000	271,800 *	310,300 *	46
48	79.6	225.9	170,000	217,500	258,200 *	295,200 *	48
50	79.1	225.5	157,700	202,800	245,700 *	281,300 *	50
55	77.7	224.4	131,900	171,800	218,300 *	250,700 *	55
60	76.4	223.1	111,400	147,200	195,200 *	225,100 *	60
65	75.0	221.8	94,700	127,200	172,900	203,200 *	65
70	73.7	220.3	80,800	110,500	152,300	184,400 *	70
75	72.3	218.7	69,100	96,500	135,000	168,000 *	75
80	70.9	217.0	59,100	84,500	120,200	153,700 *	80
85	69.5	215.1	50,500	74,200	107,500	140,900 *	85
90	68.1	213.1	42,900	65,100	96,300	129,600 *	90
95	66.7	211.0	36,300	57,100	86,500	119,400 *	95
100	65.3	208.6	30,400	50,100	77,700	108,800	100
105	63.8	206.2	25,100	43,700	69,900	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. Wheeled 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. Wheeled Counterweight Boom Capacity Pounds	135,000 Lb. Wheeled Counterweight Boom Capacity Pounds	225,000 Lb. Wheeled Counterweight Boom Capacity Pounds	Boom Oper. Rad. Feet
240 Ft. BOOM						
38	82.9	247.8	298,300 *	329,800 *	329,800 *	38
40	82.4	247.5	280,900 *	320,100 *	329,800 *	40
42	81.9	247.2	265,100 *	302,500 *	329,800 *	42
44	81.4	246.9	250,700 *	286,400 *	326,600 *	44
46	81.0	246.6	234,800	271,700 *	310,200 *	46
48	80.5	246.2	218,300	258,200 *	295,200 *	48
50	80.0	245.8	203,500	245,700 *	281,200 *	50
55	78.8	244.8	172,500	218,200 *	250,700 *	55
60	77.5	243.7	147,800	195,200 *	225,000 *	60
65	76.3	242.5	127,700	173,400	203,200 *	65
70	75.1	241.2	111,100	152,900	184,400 *	70
75	73.8	239.7	97,000	135,500	168,100 *	75
80	72.6	238.1	85,000	120,700	153,700 *	80
85	71.3	236.4	74,600	107,900	141,000 *	85
90	70.1	234.6	65,600	96,700	129,600 *	90
95	68.8	232.7	57,600	86,900	119,400 *	95
100	67.5	230.6	50,500	78,100	109,200	100
105	66.2	228.4	44,100	70,300	99,800	105
110	64.9	226.0	38,400	63,300	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. Wheeled 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. Wheeled Counterweight Boom Capacity Pounds	225,000 Lb. Wheeled Counterweight Boom Capacity Pounds
260 Ft. BOOM				
40	83.0	267.7	272,000 *	272,000 *
42	82.5	267.4	268,300 *	268,300 *
44	82.1	267.1	264,600 *	264,600 *
46	81.7	266.8	260,900 *	260,900 *
48	81.2	266.5	257,300 *	257,300 *
50	80.8	266.2	245,100 *	253,700 *
55	79.6	265.2	217,700 *	244,700 *
60	78.5	264.2	194,700 *	224,600 *
65	77.4	263.1	173,600	202,800 *
70	76.3	261.9	153,000	184,000 *
75	75.1	260.5	135,600	167,600 *
80	74.0	259.1	120,800	153,300 *
85	72.8	257.5	108,000	140,500 *
90	71.7	255.9	96,800	129,200 *
95	70.5	254.1	86,900	119,000 *
100	69.3	252.2	78,100	109,200
105	68.1	250.2	70,300	99,800
110	66.9	248.1	63,300	91,200
115	65.7	245.8	56,900	83,500
120	64.5	243.4	51,100	76,500
125	63.3	240.9	45,900	70,100
130	62.0	238.2	41,000	64,300
135	60.7	235.4	36,200 *	58,900
140	59.5	232.5	31,300 *	53,700 *
145	58.2	229.4	26,800 *	48,300 *
150	56.9	226.1	22,600 *	43,400 *
155	55.5	222.7	18,700 *	38,700 *
160	54.2	219.1	15,000 *	34,400 *
165	52.8	215.3	11,500 *	30,300 *
170	51.4	211.3		26,500 *
175	49.9	207.1		22,900 *
180	48.5	202.7		19,500 *
185	47.0	198.0		16,300 *
190	45.4	193.1		13,300 *
195	43.8	187.9		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. Wheeled 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. Wheeled Counterweight Boom Capacity Pounds	225,000 Lb. Wheeled Counterweight Boom Capacity Pounds
280 Ft. BOOM				
44	82.7	287.3	231,500 *	231,500 *
46	82.3	287.1	228,300 *	228,300 *
48	81.8	286.8	225,100 *	225,100 *
50	81.4	286.4	221,900 *	221,900 *
55	80.4	285.6	213,900 *	213,900 *
60	79.4	284.6	194,500 *	206,000 *
65	78.3	283.6	173,900	198,300 *
70	77.3	282.5	153,300	183,700 *
75	76.2	281.2	135,900	167,400 *
80	75.1	279.9	121,000	153,000 *
85	74.1	278.5	108,200	140,300 *
90	73.0	276.9	96,900	129,000 *
95	71.9	275.3	87,100	118,800 *
100	70.9	273.6	78,300	109,400
105	69.8	271.7	70,400	99,900
110	68.7	269.7	63,400	91,300
115	67.6	267.7	57,000	83,600
120	66.4	265.5	51,200	76,600
125	65.3	263.2	45,900	70,200
130	64.2	260.8	41,100	64,300
135	63.0	258.2	36,600 *	58,900
140	61.9	255.5	31,700 *	54,000
145	60.7	252.7	27,100 *	48,700 *
150	59.5	249.8	22,900 *	43,700 *
155	58.3	246.7	18,900 *	39,000 *
160	57.1	243.5	15,200 *	34,700 *
165	55.8	240.1	11,800 *	30,600 *
170	54.6	236.5		26,700 *
175	53.3	232.8		23,100 *
180	52.0	228.9		19,700 *
185	50.7	224.8		16,500 *
190	49.4	220.6		13,500 *
195	48.0	216.1		10,600 *



Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

MAX-ER 225
On 2250 or
M-250

Boom No. 49A-44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
169,200 Lb. (2250) Crane Counterweight
or 167,000 Lb. (M-250) Crane Counterweight
60,000 Lb. Carbody Counterweight
0 Lb. Thru 225,000 Lb. Wheeled Counterweight
360 Degree Rating

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. Wheeled Counterweight Boom Capacity Pounds
300 Ft. BOOM			
46	82.8	307.3	172,000 *
48	82.4	307.0	169,600 *
50	82.0	306.7	167,200 *
55	81.0	305.9	161,100 *
60	80.1	305.0	155,100 *
65	79.1	304.0	149,100 *
70	78.1	303.0	143,200 *
75	77.1	301.8	137,400 *
80	76.2	300.6	131,700 *
85	75.2	299.3	126,000 *
90	74.2	297.8	120,500 *
95	73.2	296.3	115,100 *
100	72.2	294.7	108,900 *
105	71.2	293.0	99,500
110	70.2	291.2	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. Wheeled 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. Wheeled Counterweight Boom Capacity Pounds	55,000 Lb. Wheeled Counterweight Boom Capacity Pounds	135,000 Lb. Wheeled Counterweight Boom Capacity Pounds	225,000 Lb. Wheeled Counterweight Boom Capacity Pounds	Boom Oper. Rad. Feet
140 Ft. BOOM							
26	82.7	148.5	412,300 *	454,700 *	480,000 *	480,000 *	26
28	81.9	148.2	380,300 *	419,900 *	474,600 *	480,000 *	28
30	81.1	147.9	352,300 *	389,400 *	440,700 *	480,000 *	30
32	80.2	147.5	327,500 *	362,500 *	410,800 *	465,100 *	32
34	79.4	147.1	305,500 *	338,500 *	384,200 *	435,500 *	34
36	78.6	146.6	276,100	317,100 *	360,300 *	409,000 *	36
38	77.7	146.2	250,200	297,800 *	338,900 *	385,100 *	38
40	76.9	145.7	227,900	280,400 *	319,500 *	363,500 *	40
42	76.0	145.2	208,500	264,500 *	301,900 *	343,900 *	42
44	75.2	144.6	191,500	244,900	285,800 *	325,900 *	44
46	74.3	144.0	176,500	226,800	271,000 *	309,500 *	46
48	73.5	143.4	163,100	210,600	257,400 *	294,400 *	48
50	72.6	142.7	151,000	196,200	244,800 *	280,400 *	50
55	70.4	141.0	125,800	165,800	217,300 *	249,800 *	55
60	68.2	138.9	105,800	141,600	192,000	224,100 *	60
65	66.0	136.7	89,500	122,000	167,700	202,200 *	65
70	63.7	134.2	75,900	105,700	147,500	183,300 *	70
75	61.4	131.5	64,500	91,900	130,400	166,900 *	75
80	59.0	128.5	54,800	80,200	115,900	151,700 *	80
85	56.5	125.2	46,300	70,000	103,300	135,200 *	85
90	54.0	121.6	39,000	61,100	92,300	120,700 *	90
95	51.4	117.6	32,500	53,300	82,600	107,700 *	95
100	48.7	113.2	26,700	46,400	74,100	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. Wheeled 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. Wheeled Counterweight Boom Capacity Pounds	55,000 Lb. Wheeled Counterweight Boom Capacity Pounds	135,000 Lb. Wheeled Counterweight Boom Capacity Pounds	225,000 Lb. Wheeled Counterweight Boom Capacity Pounds	Boom Oper. Rad. Feet
160 Ft. BOOM							
28	82.9	168.4	380,300 *	419,900 *	474,600 *	480,000 *	28
30	82.2	168.1	352,300 *	389,400 *	440,800 *	480,000 *	30
32	81.5	167.8	327,700 *	362,600 *	410,900 *	465,200 *	32
34	80.7	167.5	305,700 *	338,700 *	384,400 *	435,700 *	34
36	80.0	167.1	278,100	317,400 *	360,600 *	409,200 *	36
38	79.3	166.7	252,100	298,100 *	339,200 *	385,400 *	38
40	78.6	166.2	229,800	280,700 *	319,800 *	363,900 *	40
42	77.8	165.8	210,300	264,900 *	302,200 *	344,300 *	42
44	77.1	165.3	193,300	246,700	286,200 *	326,400 *	44
46	76.3	164.8	178,200	228,500	271,400 *	310,000 *	46
48	75.6	164.3	164,800	212,400	257,900 *	294,900 *	48
50	74.9	163.7	152,700	197,900	245,400 *	280,900 *	50
55	73.0	162.1	127,400	167,400	217,900 *	250,300 *	55
60	71.1	160.4	107,300	143,200	193,600	224,700 *	60
65	69.2	158.5	91,000	123,500	169,200	202,800 *	65
70	67.2	156.4	77,400	107,200	149,000	184,000 *	70
75	65.3	154.1	66,000	93,400	131,900	167,700 *	75
80	63.3	151.6	56,200	81,600	117,300	153,300 *	80
85	61.2	148.8	47,800	71,400	104,700	140,600 *	85
90	59.1	145.8	40,400	62,600	93,700	128,800	90
95	57.0	142.6	33,900	54,700	84,000	117,000	95
100	54.8	139.1	28,100	47,800	75,400	105,000 *	100
105	52.6	135.3	23,000	41,600	67,800	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. Wheeled 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. Wheeled Counterweight Boom Capacity Pounds	55,000 Lb. Wheeled Counterweight Boom Capacity Pounds	135,000 Lb. Wheeled Counterweight Boom Capacity Pounds	225,000 Lb. Wheeled Counterweight Boom Capacity Pounds	Boom Oper. Rad. Feet
180 Ft. BOOM							
32	82.4	188.1	325,200 *	360,200 *	408,500 *	462,800 *	32
34	81.8	187.7	303,300 *	336,300 *	381,900 *	433,300 *	34
36	81.1	187.4	278,500	315,000 *	358,200 *	406,800 *	36
38	80.5	187.1	252,400	295,800 *	336,800 *	383,000 *	38
40	79.8	186.7	229,900	278,400 *	317,500 *	361,500 *	40
42	79.2	186.3	210,300	262,500 *	299,900 *	341,900 *	42
44	78.5	185.8	193,100	246,500	283,800 *	324,000 *	44
46	77.9	185.4	177,900	228,300	269,100 *	307,600 *	46
48	77.2	184.9	164,400	212,000	255,500 *	292,500 *	48
50	76.6	184.4	152,200	197,400	243,000 *	278,600 *	50
55	74.9	183.1	126,800	166,700	215,600 *	248,000 *	55
60	73.3	181.5	106,500	142,400	192,500 *	222,400 *	60
65	71.6	179.9	90,000	122,500	168,200	200,500 *	65
70	69.9	178.0	76,300	106,100	147,900	181,700 *	70
75	68.2	176.0	64,800	92,200	130,700	165,400 *	75
80	66.4	173.8	54,900	80,300	116,100	151,000 *	80
85	64.7	171.5	46,400	70,100	103,400	138,300 *	85
90	62.9	168.9	39,000	61,200	92,300	126,900 *	90
95	61.1	166.1	32,400	53,300	82,600	115,500	95
100	59.2	163.2	26,600	46,300	73,900	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. Wheeled 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. Wheeled Counterweight Boom Capacity Pounds	55,000 Lb. Wheeled Counterweight Boom Capacity Pounds	135,000 Lb. Wheeled Counterweight Boom Capacity Pounds	225,000 Lb. Wheeled Counterweight Boom Capacity Pounds	Boom Oper. Rad. Feet
200 Ft. BOOM							
34	82.6	208.0	303,500 *	336,500 *	382,100 *	433,400 *	34
36	82.0	207.7	280,600	315,100 *	358,400 *	407,000 *	36
38	81.5	207.4	254,300	295,900 *	337,000 *	383,200 *	38
40	80.9	207.0	231,700	278,600 *	317,700 *	361,700 *	40
42	80.3	206.6	212,100	262,800 *	300,100 *	342,100 *	42
44	79.7	206.3	194,800	248,200	284,000 *	324,200 *	44
46	79.1	205.9	179,500	229,900	269,300 *	307,800 *	46
48	78.5	205.4	165,900	213,500	255,800 *	292,800 *	48
50	78.0	205.0	153,700	198,900	243,300 *	278,800 *	50
55	76.5	203.8	128,100	168,100	215,800 *	248,300 *	55
60	75.0	202.4	107,800	143,600	192,800 *	222,600 *	60
65	73.5	200.9	91,200	123,700	169,400	200,800 *	65
70	72.0	199.3	77,400	107,200	149,000	182,000 *	70
75	70.5	197.5	65,800	93,200	131,800	165,600 *	75
80	68.9	195.6	55,900	81,300	117,000	151,300 *	80
85	67.4	193.5	47,400	71,000	104,300	138,500 *	85
90	65.8	191.3	39,900	62,000	93,200	127,200 *	90
95	64.2	188.8	33,300	54,100	83,400	116,400	95
100	62.6	186.2	27,400	47,100	74,700	105,900	100
105	61.0	183.5	22,100 *	40,800	67,000	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. Wheeled 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. Wheeled Counterweight Boom Capacity Pounds	135,000 Lb. Wheeled Counterweight Boom Capacity Pounds	225,000 Lb. Wheeled Counterweight Boom Capacity Pounds	Boom Oper. Rad. Feet
220 Ft. BOOM						
36	82.8	227.9	315,100 *	350,900 *	350,900 *	36
38	82.2	227.6	295,900 *	337,000 *	350,900 *	38
40	81.7	227.3	278,500 *	317,700 *	350,900 *	40
42	81.2	227.0	262,800 *	300,100 *	342,100 *	42
44	80.7	226.6	248,300 *	284,100 *	324,200 *	44
46	80.1	226.2	231,000	269,400 *	307,900 *	46
48	79.6	225.9	214,600	255,800 *	292,800 *	48
50	79.1	225.5	199,900	243,300 *	278,900 *	50
55	77.7	224.4	169,100	215,900 *	248,400 *	55
60	76.4	223.1	144,500	192,900 *	222,700 *	60
65	75.0	221.8	124,600	170,300	200,900 *	65
70	73.7	220.3	108,000	149,800	182,200 *	70
75	72.3	218.7	94,000	132,500	165,800 *	75
80	70.9	217.0	82,100	117,800	151,400 *	80
85	69.5	215.1	71,800	105,100	138,700 *	85
90	68.1	213.1	62,800	93,900	127,400 *	90
95	66.7	211.0	54,800	84,100	117,100	95
100	65.3	208.6	47,800	75,400	106,500	100
105	63.8	206.2	41,500	67,600	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. Wheeled 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. Wheeled Counterweight Boom Capacity Pounds	135,000 Lb. Wheeled Counterweight Boom Capacity Pounds	225,000 Lb. Wheeled Counterweight Boom Capacity Pounds	Boom Oper. Rad. Feet
240 Ft. BOOM						
38	82.9	247.8	295,800 *	326,300 *	326,300 *	38
40	82.4	247.5	278,500 *	317,600 *	326,300 *	40
42	81.9	247.2	262,700 *	300,100 *	326,300 *	42
44	81.4	246.9	248,300 *	284,000 *	324,200 *	44
46	81.0	246.6	231,900	269,300 *	307,900 *	46
48	80.5	246.2	215,500	255,800 *	292,800 *	48
50	80.0	245.8	200,700	243,300 *	278,900 *	50
55	78.8	244.8	169,800	215,900 *	248,400 *	55
60	77.5	243.7	145,200	193,000 *	222,800 *	60
65	76.3	242.5	125,200	170,900	201,000 *	65
70	75.1	241.2	108,600	150,400	182,200 *	70
75	73.8	239.7	94,600	133,100	165,900 *	75
80	72.6	238.1	82,600	118,400	151,500 *	80
85	71.3	236.4	72,300	105,600	138,800 *	85
90	70.1	234.6	63,300	94,400	127,500 *	90
95	68.8	232.7	55,300	84,600	117,300 *	95
100	67.5	230.6	48,200	75,900	107,000	100
105	66.2	228.4	41,900	68,100	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. Wheeled 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. Wheeled Counterweight Boom Capacity Pounds	225,000 Lb. Wheeled Counterweight Boom Capacity Pounds
260 Ft. BOOM				
40	83.0	267.7	266,000 *	266,000 *
42	82.5	267.4	262,400 *	262,400 *
44	82.1	267.1	258,800 *	258,800 *
46	81.7	266.8	255,200 *	255,200 *
48	81.2	266.5	251,600 *	251,600 *
50	80.8	266.2	242,800 *	248,000 *
55	79.6	265.2	215,500 *	239,200 *
60	78.5	264.2	192,500 *	222,400 *
65	77.4	263.1	171,100	200,600 *
70	76.3	261.9	150,600	181,800 *
75	75.1	260.5	133,300	165,500 *
80	74.0	259.1	118,500	151,200 *
85	72.8	257.5	105,700	138,500 *
90	71.7	255.9	94,500	127,100 *
95	70.5	254.1	84,700	117,000 *
100	69.3	252.2	76,000	107,100
105	68.1	250.2	68,200	97,600
110	66.9	248.1	61,100	89,100
115	65.7	245.8	54,800	81,400
120	64.5	243.4	49,000	74,400
125	63.3	240.9	43,800	68,000
130	62.0	238.2	38,800 *	62,200
135	60.7	235.4	33,500 *	56,700 *
140	59.5	232.5	28,600 *	51,000 *
145	58.2	229.4	24,100 *	45,700 *
150	56.9	226.1	19,900 *	40,700 *
155	55.5	222.7	16,000 *	36,100 *
160	54.2	219.1	12,400 *	31,800 *
165	52.8	215.3		27,700 *
170	51.4	211.3		23,900 *
175	49.9	207.1		20,300 *
180	48.5	202.7		16,900 *
185	47.0	198.0		13,700 *
190	45.4	193.1		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. Wheeled 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. Wheeled Counterweight Boom Capacity Pounds	225,000 Lb. Wheeled Counterweight Boom Capacity Pounds
280 Ft. BOOM				
44	82.7	287.3	229,000 *	229,000 *
46	82.3	287.1	225,800 *	225,800 *
48	81.8	286.8	222,600 *	222,600 *
50	81.4	286.4	219,400 *	219,400 *
55	80.4	285.6	211,500 *	211,500 *
60	79.4	284.6	192,300 *	203,600 *
65	78.3	283.6	171,500	195,900 *
70	77.3	282.5	150,900	181,600 *
75	76.2	281.2	133,600	165,300 *
80	75.1	279.9	118,800	151,000 *
85	74.1	278.5	106,000	138,300 *
90	73.0	276.9	94,800	127,000 *
95	71.9	275.3	84,900	116,800 *
100	70.9	273.6	76,200	107,300
105	69.8	271.7	68,300	97,800
110	68.7	269.7	61,300	89,300
115	67.6	267.7	55,000	81,600
120	66.4	265.5	49,200	74,600
125	65.3	263.2	43,900	68,200
130	64.2	260.8	39,100	62,300
135	63.0	258.2	33,900 *	56,900
140	61.9	255.5	29,100 *	51,500 *
145	60.7	252.7	24,500 *	46,100 *
150	59.5	249.8	20,300 *	41,100 *
155	58.3	246.7	16,300 *	36,500 *
160	57.1	243.5	12,700 *	32,100 *
165	55.8	240.1		28,000 *
170	54.6	236.5		24,200 *
175	53.3	232.8		20,600 *
180	52.0	228.9		17,200 *
185	50.7	224.8		14,000 *
190	49.4	220.6		11,000 *

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. Wheeled 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. Wheeled Counterweight Boom Capacity Pounds
300 Ft. BOOM			
46	82.8	307.3	169,700 *
48	82.4	307.0	167,300 *
50	82.0	306.7	164,900 *
55	81.0	305.9	158,900 *
60	80.1	305.0	152,900 *
65	79.1	304.0	146,900 *
70	78.1	303.0	141,000 *
75	77.1	301.8	135,200 *
80	76.2	300.6	129,500 *
85	75.2	299.3	123,800 *
90	74.2	297.8	118,300 *
95	73.2	296.3	112,900 *
100	72.2	294.7	106,900
105	71.2	293.0	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. Wheeled 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. Wheeled Counterweight Boom Capacity Pounds	55,000 Lb. Wheeled Counterweight Boom Capacity Pounds	135,000 Lb. Wheeled Counterweight Boom Capacity Pounds	225,000 Lb. Wheeled Counterweight Boom Capacity Pounds	Boom Oper. Rad. Feet
140 Ft. BOOM							
26	82.7	148.5	409,800 *	452,200 *	480,000 *	480,000 *	26
28	81.9	148.2	377,800 *	417,400 *	472,100 *	480,000 *	28
30	81.1	147.9	349,800 *	387,000 *	438,300 *	480,000 *	30
32	80.2	147.5	325,200 *	360,100 *	408,400 *	462,800 *	32
34	79.4	147.1	302,900 *	336,200 *	381,800 *	433,200 *	34
36	78.6	146.6	272,800	314,800 *	358,100 *	406,700 *	36
38	77.7	146.2	247,000	295,600 *	336,700 *	382,900 *	38
40	76.9	145.7	224,800	278,200 *	317,300 *	361,300 *	40
42	76.0	145.2	205,500	262,300 *	299,700 *	341,700 *	42
44	75.2	144.6	188,600	242,000	283,600 *	323,800 *	44
46	74.3	144.0	173,700	224,000	268,900 *	307,400 *	46
48	73.5	143.4	160,300	207,900	255,300 *	292,300 *	48
50	72.6	142.7	148,400	193,500	242,800 *	278,300 *	50
55	70.4	141.0	123,300	163,200	215,300 *	247,700 *	55
60	68.2	138.9	103,300	139,200	189,600	222,100 *	60
65	66.0	136.7	87,100	119,600	165,300	200,300 *	65
70	63.7	134.2	73,700	103,400	145,200	181,400 *	70
75	61.4	131.5	62,300	89,700	128,200	165,100 *	75
80	59.0	128.5	52,600	78,000	113,700	149,000 *	80
85	56.5	125.2	44,200	67,900	101,200	132,600 *	85
90	54.0	121.6	36,900	59,100	90,300	118,100 *	90
95	51.4	117.6	30,500	51,300	80,600	105,100 *	95
100	48.7	113.2	24,800	44,400	72,100	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. Wheeled 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. Wheeled Counterweight Boom Capacity Pounds	55,000 Lb. Wheeled Counterweight Boom Capacity Pounds	135,000 Lb. Wheeled Counterweight Boom Capacity Pounds	225,000 Lb. Wheeled Counterweight Boom Capacity Pounds	Boom Oper. Rad. Feet
160 Ft. BOOM							
28	82.9	168.4	377,900 *	417,500 *	472,200 *	480,000 *	28
30	82.2	168.1	350,000 *	387,100 *	438,400 *	480,000 *	30
32	81.5	167.8	325,400 *	360,300 *	408,600 *	463,000 *	32
34	80.7	167.5	303,500 *	336,500 *	382,100 *	433,500 *	34
36	80.0	167.1	274,900	315,200 *	358,400 *	407,100 *	36
38	79.3	166.7	249,100	296,000 *	337,100 *	383,300 *	38
40	78.6	166.2	226,800	278,600 *	317,800 *	361,800 *	40
42	77.8	165.8	207,500	262,800 *	300,200 *	342,200 *	42
44	77.1	165.3	190,600	244,000	284,100 *	324,300 *	44
46	76.3	164.8	175,600	225,900	269,400 *	308,000 *	46
48	75.6	164.3	162,200	209,800	255,900 *	292,900 *	48
50	74.9	163.7	150,200	195,300	243,400 *	279,000 *	50
55	73.0	162.1	125,100	165,000	216,000 *	248,400 *	55
60	71.1	160.4	105,100	140,900	191,300	222,800 *	60
65	69.2	158.5	88,800	121,300	167,000	201,000 *	65
70	67.2	156.4	75,300	105,100	146,800	182,300 *	70
75	65.3	154.1	63,900	91,300	129,900	165,900 *	75
80	63.3	151.6	54,200	79,600	115,300	151,600 *	80
85	61.2	148.8	45,800	69,500	102,800	138,900 *	85
90	59.1	145.8	38,500	60,700	91,800	126,900	90
95	57.0	142.6	32,000	52,900	82,200	114,800 *	95
100	54.8	139.1	26,300	46,000	73,600	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. Wheeled 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. Wheeled Counterweight Boom Capacity Pounds	55,000 Lb. Wheeled Counterweight Boom Capacity Pounds	135,000 Lb. Wheeled Counterweight Boom Capacity Pounds	225,000 Lb. Wheeled Counterweight Boom Capacity Pounds	Boom Oper. Rad. Feet
180 Ft. BOOM							
32	82.4	188.1	323,000 *	358,000 *	406,300 *	460,600 *	32
34	81.8	187.7	301,200 *	334,200 *	379,800 *	431,200 *	34
36	81.1	187.4	275,500	312,900 *	356,100 *	404,800 *	36
38	80.5	187.1	249,500	293,700 *	334,800 *	381,000 *	38
40	79.8	186.7	227,100	276,400 *	315,500 *	359,500 *	40
42	79.2	186.3	207,600	260,600 *	297,900 *	339,900 *	42
44	78.5	185.8	190,500	243,900	281,900 *	322,100 *	44
46	77.9	185.4	175,400	225,700	267,200 *	305,700 *	46
48	77.2	184.9	161,900	209,500	253,700 *	290,600 *	48
50	76.6	184.4	149,900	195,000	241,200 *	276,700 *	50
55	74.9	183.1	124,500	164,500	213,800 *	246,200 *	55
60	73.3	181.5	104,300	140,200	190,600	220,600 *	60
65	71.6	179.9	88,000	120,500	166,200	198,800 *	65
70	69.9	178.0	74,300	104,100	145,900	180,100 *	70
75	68.2	176.0	62,900	90,300	128,800	163,700 *	75
80	66.4	173.8	53,100	78,500	114,200	149,400 *	80
85	64.7	171.5	44,600	68,300	101,600	136,700 *	85
90	62.9	168.9	37,200	59,400	90,500	125,300 *	90
95	61.1	166.1	30,700	51,500	80,800	113,800	95
100	59.2	163.2	24,900	44,500	72,200	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. Wheeled 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. Wheeled Counterweight Boom Capacity Pounds	55,000 Lb. Wheeled Counterweight Boom Capacity Pounds	135,000 Lb. Wheeled Counterweight Boom Capacity Pounds	225,000 Lb. Wheeled Counterweight Boom Capacity Pounds	Boom Oper. Rad. Feet
200 Ft. BOOM							
34	82.6	208.0	301,400 *	334,400 *	380,000 *	431,400 *	34
36	82.0	207.7	277,700	313,100 *	356,400 *	405,000 *	36
38	81.5	207.4	251,500	294,000 *	335,000 *	381,300 *	38
40	80.9	207.0	229,000	276,600 *	315,800 *	359,800 *	40
42	80.3	206.6	209,500	260,900 *	298,200 *	340,200 *	42
44	79.7	206.3	192,300	245,700	282,200 *	322,400 *	44
46	79.1	205.9	177,100	227,400	267,500 *	306,000 *	46
48	78.5	205.4	163,600	211,200	254,000 *	291,000 *	48
50	78.0	205.0	151,400	196,600	241,500 *	277,000 *	50
55	76.5	203.8	126,000	165,900	214,100 *	246,600 *	55
60	75.0	202.4	105,700	141,600	191,100 *	221,000 *	60
65	73.5	200.9	89,200	121,700	167,400	199,200 *	65
70	72.0	199.3	75,500	105,300	147,100	180,400 *	70
75	70.5	197.5	64,000	91,400	129,900	164,100 *	75
80	68.9	195.6	54,100	79,500	115,300	149,700 *	80
85	67.4	193.5	45,600	69,300	102,600	137,000 *	85
90	65.8	191.3	38,200	60,300	91,500	125,700 *	90
95	64.2	188.8	31,600	52,500	81,800	114,700	95
100	62.6	186.2	25,800	45,500	73,100	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. Wheeled 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. Wheeled Counterweight Boom Capacity Pounds	135,000 Lb. Wheeled Counterweight Boom Capacity Pounds	225,000 Lb. Wheeled Counterweight Boom Capacity Pounds	Boom Oper. Rad. Feet
220 Ft. BOOM						
36	82.8	227.9	313,100 *	348,800 *	348,800 *	36
38	82.2	227.6	294,000 *	335,100 *	348,800 *	38
40	81.7	227.3	276,700 *	315,800 *	348,800 *	40
42	81.2	227.0	260,900 *	298,300 *	340,300 *	42
44	80.7	226.6	246,500 *	282,300 *	322,400 *	44
46	80.1	226.2	228,700	267,600 *	306,100 *	46
48	79.6	225.9	212,300	254,100 *	291,100 *	48
50	79.1	225.5	197,700	241,600 *	277,200 *	50
55	77.7	224.4	167,000	214,300 *	246,700 *	55
60	76.4	223.1	142,600	191,300 *	221,100 *	60
65	75.0	221.8	122,700	168,400	199,400 *	65
70	73.7	220.3	106,200	148,000	180,600 *	70
75	72.3	218.7	92,300	130,800	164,300 *	75
80	70.9	217.0	80,400	116,100	150,000 *	80
85	69.5	215.1	70,100	103,400	137,300 *	85
90	68.1	213.1	61,100	92,300	126,000 *	90
95	66.7	211.0	53,200	82,500	115,500	95
100	65.3	208.6	46,200	73,900	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. Wheeled 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. Wheeled Counterweight Boom Capacity Pounds	135,000 Lb. Wheeled Counterweight Boom Capacity Pounds	225,000 Lb. Wheeled Counterweight Boom Capacity Pounds	Boom Oper. Rad. Feet
240 Ft. BOOM						
38	82.9	247.8	294,000 *	323,700 *	323,700 *	38
40	82.4	247.5	276,700 *	315,800 *	323,700 *	40
42	81.9	247.2	260,900 *	298,300 *	323,700 *	42
44	81.4	246.9	246,600 *	282,300 *	322,500 *	44
46	81.0	246.6	229,600	267,600 *	306,100 *	46
48	80.5	246.2	213,200	254,100 *	291,100 *	48
50	80.0	245.8	198,600	241,700 *	277,200 *	50
55	78.8	244.8	167,800	214,300 *	246,800 *	55
60	77.5	243.7	143,300	191,400 *	221,200 *	60
65	76.3	242.5	123,400	169,100	199,500 *	65
70	75.1	241.2	106,900	148,700	180,700 *	70
75	73.8	239.7	92,900	131,400	164,400 *	75
80	72.6	238.1	81,000	116,700	150,100 *	80
85	71.3	236.4	70,700	104,000	137,400 *	85
90	70.1	234.6	61,700	92,900	126,100 *	90
95	68.8	232.7	53,800	83,100	116,000 *	95
100	67.5	230.6	46,700	74,400	105,500	100
105	66.2	228.4	40,500	66,600	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. Wheeled 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. Wheeled Counterweight Boom Capacity Pounds	225,000 Lb. Wheeled Counterweight Boom Capacity Pounds
260 Ft. BOOM				
40	83.0	267.7	264,500 *	264,500 *
42	82.5	267.4	260,900 *	260,900 *
44	82.1	267.1	257,300 *	257,300 *
46	81.7	266.8	253,700 *	253,700 *
48	81.2	266.5	250,100 *	250,100 *
50	80.8	266.2	241,200 *	246,600 *
55	79.6	265.2	213,900 *	237,800 *
60	78.5	264.2	191,000 *	220,800 *
65	77.4	263.1	169,300	199,100 *
70	76.3	261.9	148,900	180,400 *
75	75.1	260.5	131,600	164,100 *
80	74.0	259.1	116,900	149,800 *
85	72.8	257.5	104,100	137,100 *
90	71.7	255.9	93,000	125,800 *
95	70.5	254.1	83,200	115,700 *
100	69.3	252.2	74,500	105,600
105	68.1	250.2	66,700	96,200
110	66.9	248.1	59,700	87,700
115	65.7	245.8	53,400	80,000
120	64.5	243.4	47,700	73,100
125	63.3	240.9	42,400	66,700
130	62.0	238.2	37,100 *	60,900
135	60.7	235.4	31,800 *	55,100 *
140	59.5	232.5	27,000 *	49,300 *
145	58.2	229.4	22,500 *	44,000 *
150	56.9	226.1	18,300 *	39,100 *
155	55.5	222.7	14,400 *	34,500 *
160	54.2	219.1	10,700 *	30,100 *
165	52.8	215.3		26,100 *
170	51.4	211.3		22,300 *
175	49.9	207.1		18,700 *
180	48.5	202.7		15,400 *
185	47.0	198.0		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. Wheeled 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. Wheeled Counterweight Boom Capacity Pounds	225,000 Lb. Wheeled Counterweight Boom Capacity Pounds
280 Ft. BOOM				
44	82.7	287.3	227,400 *	227,400 *
46	82.3	287.1	224,200 *	224,200 *
48	81.8	286.8	221,000 *	221,000 *
50	81.4	286.4	217,800 *	217,800 *
55	80.4	285.6	209,800 *	209,800 *
60	79.4	284.6	190,800 *	202,000 *
65	78.3	283.6	169,800	194,300 *
70	77.3	282.5	149,300	180,200 *
75	76.2	281.2	132,000	163,900 *
80	75.1	279.9	117,200	149,600 *
85	74.1	278.5	104,500	137,000 *
90	73.0	276.9	93,300	125,700 *
95	71.9	275.3	83,500	115,500 *
100	70.9	273.6	74,800	105,900
105	69.8	271.7	67,000	96,400
110	68.7	269.7	60,000	87,900
115	67.6	267.7	53,600	80,200
120	66.4	265.5	47,900	73,300
125	65.3	263.2	42,600	66,900
130	64.2	260.8	37,600 *	61,100
135	63.0	258.2	32,300 *	55,600 *
140	61.9	255.5	27,400 *	49,900 *
145	60.7	252.7	22,900 *	44,500 *
150	59.5	249.8	18,700 *	39,500 *
155	58.3	246.7	14,800 *	34,900 *
160	57.1	243.5	11,100 *	30,600 *
165	55.8	240.1		26,500 *
170	54.6	236.5		22,700 *
175	53.3	232.8		19,100 *
180	52.0	228.9		15,700 *
185	50.7	224.8		12,500 *

Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

MAX-ER 225
On 2250 or
M-250

Boom No. 49A-44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
169,200 Lb. (2250) Crane Counterweight
or 167,000 Lb. (M-250) Crane Counterweight
60,000 Lb. Carbody Counterweight
0 Lb. Thru 225,000 Lb. Wheeled Counterweight
360 Degree Rating

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. Wheeled Counterweight Boom Capacity Pounds
300 Ft. BOOM			
46	82.8	307.3	168,100 *
48	82.4	307.0	165,800 *
50	82.0	306.7	163,400 *
55	81.0	305.9	157,400 *
60	80.1	305.0	151,400 *
65	79.1	304.0	145,400 *
70	78.1	303.0	139,500 *
75	77.1	301.8	133,700 *
80	76.2	300.6	128,000 *
85	75.2	299.3	122,400 *
90	74.2	297.8	116,800 *
95	73.2	296.3	111,400 *
100	72.2	294.7	105,600
105	71.2	293.0	99,100
110	70.2	291.2	92,600
115	69.1	289.3	86,100
120	68.1	287.3	79,600
125	67.1	285.1	73,100
130	66.0	282.9	66,600
135	65.0	280.6	60,100
140	63.9	278.1	53,600 *
145	62.8	275.6	47,100 *
150	61.7	272.9	40,600 *
155	60.6	270.1	34,100 *
160	59.5	267.1	27,600 *
165	58.4	264.0	21,100 *
170	57.3	260.8	14,600 *
175	56.1	257.5	8,100 *
180	55.0	254.0	1,600 *
185	53.8	250.3	0,000 *

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. Wheeled 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. Wheeled Counterweight Boom Capacity Pounds	55,000 Lb. Wheeled Counterweight Boom Capacity Pounds	135,000 Lb. Wheeled Counterweight Boom Capacity Pounds	225,000 Lb. Wheeled Counterweight Boom Capacity Pounds	Boom Oper. Rad. Feet
140 Ft. BOOM							
26	82.7	148.5	406,500 *	448,900 *	480,000 *	480,000 *	26
28	81.9	148.2	374,600 *	414,200 *	468,900 *	480,000 *	28
30	81.1	147.9	346,600 *	383,800 *	435,100 *	480,000 *	30
32	80.2	147.5	322,000 *	356,900 *	405,200 *	459,600 *	32
34	79.4	147.1	298,000 *	333,100 *	378,700 *	430,100 *	34
36	78.6	146.6	268,500	311,800 *	355,000 *	403,600 *	36
38	77.7	146.2	242,900	292,500 *	333,600 *	379,800 *	38
40	76.9	145.7	220,800	275,200 *	314,300 *	358,300 *	40
42	76.0	145.2	201,700	258,600	296,700 *	338,700 *	42
44	75.2	144.6	184,800	238,200	280,600 *	320,800 *	44
46	74.3	144.0	169,900	220,300	265,900 *	304,400 *	46
48	73.5	143.4	156,700	204,300	252,400 *	289,300 *	48
50	72.6	142.7	144,800	189,900	239,900 *	275,400 *	50
55	70.4	141.0	119,800	159,800	212,400 *	244,900 *	55
60	68.2	138.9	100,000	135,800	186,200	219,200 *	60
65	66.0	136.7	83,900	116,400	162,100	197,400 *	65
70	63.7	134.2	70,500	100,200	142,000	178,700 *	70
75	61.4	131.5	59,200	86,600	125,100	162,300 *	75
80	59.0	128.5	49,500	74,900	110,700	145,100 *	80
85	56.5	125.2	41,200	64,900	98,200	128,700 *	85
90	54.0	121.6	33,900	56,100	87,300	114,200 *	90
95	51.4	117.6	27,500	48,400	77,700	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. Wheeled 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. Wheeled Counterweight Boom Capacity Pounds	55,000 Lb. Wheeled Counterweight Boom Capacity Pounds	135,000 Lb. Wheeled Counterweight Boom Capacity Pounds	225,000 Lb. Wheeled Counterweight Boom Capacity Pounds	Boom Oper. Rad. Feet
160 Ft. BOOM							
28	82.9	168.4	374,800 *	414,400 *	469,100 *	480,000 *	28
30	82.2	168.1	346,900 *	384,100 *	435,400 *	480,000 *	30
32	81.5	167.8	322,400 *	357,300 *	405,600 *	460,000 *	32
34	80.7	167.5	300,500 *	333,500 *	379,200 *	430,500 *	34
36	80.0	167.1	270,900	312,200 *	355,500 *	404,100 *	36
38	79.3	166.7	245,200	293,100 *	334,200 *	380,400 *	38
40	78.6	166.2	223,100	275,700 *	314,900 *	358,900 *	40
42	77.8	165.8	203,800	260,000 *	297,300 *	339,300 *	42
44	77.1	165.3	187,000	240,400	281,300 *	321,500 *	44
46	76.3	164.8	172,000	222,400	266,600 *	305,100 *	46
48	75.6	164.3	158,700	206,300	253,100 *	290,100 *	48
50	74.9	163.7	146,800	191,900	240,600 *	276,200 *	50
55	73.0	162.1	121,800	161,800	213,300 *	245,700 *	55
60	71.1	160.4	101,900	137,800	188,200	220,100 *	60
65	69.2	158.5	85,700	118,200	163,900	198,400 *	65
70	67.2	156.4	72,300	102,000	143,800	179,600 *	70
75	65.3	154.1	61,000	88,400	126,900	163,300 *	75
80	63.3	151.6	51,300	76,700	112,400	149,000 *	80
85	61.2	148.8	43,000	66,600	99,900	136,300 *	85
90	59.1	145.8	35,700	57,800	89,000	124,100	90
95	57.0	142.6	29,300	50,100	79,400	111,200 *	95
100	54.8	139.1	23,400 *	43,200	70,900	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. Wheeled 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. Wheeled Counterweight Boom Capacity Pounds	55,000 Lb. Wheeled Counterweight Boom Capacity Pounds	135,000 Lb. Wheeled Counterweight Boom Capacity Pounds	225,000 Lb. Wheeled Counterweight Boom Capacity Pounds	Boom Oper. Rad. Feet
180 Ft. BOOM							
32	82.4	188.1	320,100 *	355,100 *	403,400 *	457,700 *	32
34	81.8	187.7	298,300 *	331,300 *	376,900 *	428,300 *	34
36	81.1	187.4	271,600	310,000 *	353,300 *	401,900 *	36
38	80.5	187.1	245,700	290,900 *	332,000 *	378,200 *	38
40	79.8	186.7	223,500	273,600 *	312,700 *	356,700 *	40
42	79.2	186.3	204,100	257,800 *	295,200 *	337,200 *	42
44	78.5	185.8	187,100	240,500	279,200 *	319,400 *	44
46	77.9	185.4	172,000	222,400	264,500 *	303,000 *	46
48	77.2	184.9	158,600	206,200	251,000 *	288,000 *	48
50	76.6	184.4	146,600	191,700	238,500 *	274,100 *	50
55	74.9	183.1	121,400	161,300	211,200 *	243,600 *	55
60	73.3	181.5	101,300	137,200	187,600	218,000 *	60
65	71.6	179.9	85,000	117,500	163,200	196,300 *	65
70	69.9	178.0	71,500	101,200	143,000	177,500 *	70
75	68.2	176.0	60,100	87,500	126,000	161,200 *	75
80	66.4	173.8	50,300	75,700	111,400	146,900 *	80
85	64.7	171.5	41,900	65,600	98,800	134,200 *	85
90	62.9	168.9	34,500	56,700	87,900	122,900 *	90
95	61.1	166.1	28,000	48,900	78,200	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. Wheeled 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. Wheeled Counterweight Boom Capacity Pounds	55,000 Lb. Wheeled Counterweight Boom Capacity Pounds	135,000 Lb. Wheeled Counterweight Boom Capacity Pounds	225,000 Lb. Wheeled Counterweight Boom Capacity Pounds	Boom Oper. Rad. Feet
200 Ft. BOOM							
34	82.6	208.0	298,600 *	331,600 *	377,200 *	428,600 *	34
36	82.0	207.7	274,000	310,400 *	353,600 *	402,200 *	36
38	81.5	207.4	247,900	291,200 *	332,300 *	378,500 *	38
40	80.9	207.0	225,600	273,900 *	313,100 *	357,100 *	40
42	80.3	206.6	206,100	258,200 *	295,500 *	337,600 *	42
44	79.7	206.3	189,000	242,400	279,500 *	319,700 *	44
46	79.1	205.9	173,900	224,200	264,900 *	303,400 *	46
48	78.5	205.4	160,400	208,000	251,400 *	288,400 *	48
50	78.0	205.0	148,300	193,400	238,900 *	274,500 *	50
55	76.5	203.8	123,000	162,900	211,600 *	244,000 *	55
60	75.0	202.4	102,800	138,700	188,600 *	218,500 *	60
65	73.5	200.9	86,400	118,900	164,600	196,700 *	65
70	72.0	199.3	72,800	102,500	144,300	178,000 *	70
75	70.5	197.5	61,300	88,700	127,200	161,700 *	75
80	68.9	195.6	51,500	76,900	112,600	147,400 *	80
85	67.4	193.5	43,000	66,700	100,000	134,700 *	85
90	65.8	191.3	35,600	57,800	89,000	123,400 *	90
95	64.2	188.8	29,100	49,900	79,200	112,200	95
100	62.6	186.2	23,100 *	43,000	70,600	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. Wheeled 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. Wheeled Counterweight Boom Capacity Pounds	135,000 Lb. Wheeled Counterweight Boom Capacity Pounds	225,000 Lb. Wheeled Counterweight Boom Capacity Pounds	Boom Oper. Rad. Feet
220 Ft. BOOM						
36	82.8	227.9	310,400 *	345,800 *	345,800 *	36
38	82.2	227.6	291,300 *	332,400 *	345,800 *	38
40	81.7	227.3	274,000 *	313,200 *	345,800 *	40
42	81.2	227.0	258,300 *	295,700 *	337,700 *	42
44	80.7	226.6	243,800	279,700 *	319,900 *	44
46	80.1	226.2	225,500	265,000 *	303,600 *	46
48	79.6	225.9	209,300	251,600 *	288,500 *	48
50	79.1	225.5	194,700	239,100 *	274,700 *	50
55	77.7	224.4	164,100	211,800 *	244,200 *	55
60	76.4	223.1	139,800	188,900 *	218,700 *	60
65	75.0	221.8	120,000	165,700	197,000 *	65
70	73.7	220.3	103,500	145,300	178,300 *	70
75	72.3	218.7	89,700	128,200	162,000 *	75
80	70.9	217.0	77,800	113,600	147,700 *	80
85	69.5	215.1	67,600	100,900	135,000 *	85
90	68.1	213.1	58,700	89,800	123,700 *	90
95	66.7	211.0	50,800	80,100	113,100	95
100	65.3	208.6	43,800	71,500	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. Wheeled 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. Wheeled Counterweight Boom Capacity Pounds	135,000 Lb. Wheeled Counterweight Boom Capacity Pounds	225,000 Lb. Wheeled Counterweight Boom Capacity Pounds	Boom Oper. Rad. Feet
240 Ft. BOOM						
38	82.9	247.8	291,400 *	320,000 *	320,000 *	38
40	82.4	247.5	274,100 *	313,200 *	320,000 *	40
42	81.9	247.2	258,400 *	295,700 *	320,000 *	42
44	81.4	246.9	244,000 *	279,800 *	320,000 *	44
46	81.0	246.6	226,600	265,100 *	303,600 *	46
48	80.5	246.2	210,300	251,700 *	288,600 *	48
50	80.0	245.8	195,700	239,200 *	274,800 *	50
55	78.8	244.8	165,000	211,900 *	244,400 *	55
60	77.5	243.7	140,600	189,000 *	218,900 *	60
65	76.3	242.5	120,800	166,500	197,200 *	65
70	75.1	241.2	104,300	146,100	178,500 *	70
75	73.8	239.7	90,400	128,900	162,200 *	75
80	72.6	238.1	78,500	114,300	147,900 *	80
85	71.3	236.4	68,300	101,600	135,200 *	85
90	70.1	234.6	59,300	90,500	123,900 *	90
95	68.8	232.7	51,400	80,700	113,700	95
100	67.5	230.6	44,400	72,100	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. Wheeled 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. Wheeled Counterweight Boom Capacity Pounds	225,000 Lb. Wheeled Counterweight Boom Capacity Pounds
260 Ft. BOOM				
40	83.0	267.7	262,200 *	262,200 *
42	82.5	267.4	258,600 *	258,600 *
44	82.1	267.1	255,000 *	255,000 *
46	81.7	266.8	251,400 *	251,400 *
48	81.2	266.5	247,800 *	247,800 *
50	80.8	266.2	238,800 *	244,300 *
55	79.6	265.2	211,600 *	235,500 *
60	78.5	264.2	188,700 *	218,500 *
65	77.4	263.1	166,800	196,900 *
70	76.3	261.9	146,400	178,200 *
75	75.1	260.5	129,200	161,900 *
80	74.0	259.1	114,500	147,600 *
85	72.8	257.5	101,800	135,000 *
90	71.7	255.9	90,700	123,700 *
95	70.5	254.1	80,900	113,600 *
100	69.3	252.2	72,300	103,400
105	68.1	250.2	64,500	94,000
110	66.9	248.1	57,500	85,500
115	65.7	245.8	51,200	77,800
120	64.5	243.4	45,500	70,900
125	63.3	240.9	39,900 *	64,600
130	62.0	238.2	34,300 *	58,400 *
135	60.7	235.4	29,000 *	52,300 *
140	59.5	232.5	24,200 *	46,600 *
145	58.2	229.4	19,700 *	41,300 *
150	56.9	226.1	15,600 *	36,300 *
155	55.5	222.7	11,700 *	31,700 *
160	54.2	219.1		27,400 *
165	52.8	215.3		23,400 *
170	51.4	211.3		19,600 *
175	49.9	207.1		16,100 *
180	48.5	202.7		12,700 *

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. Wheeled 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. Wheeled Counterweight Boom Capacity Pounds
280 Ft. BOOM			
44	82.7	287.3	224,900 *
46	82.3	287.1	221,700 *
48	81.8	286.8	218,500 *
50	81.4	286.4	215,300 *
55	80.4	285.6	207,400 *
60	79.4	284.6	199,600 *
65	78.3	283.6	191,900 *
70	77.3	282.5	178,100 *
75	76.2	281.2	161,800 *
80	75.1	279.9	147,500 *
85	74.1	278.5	134,900 *
90	73.0	276.9	123,600 *
95	71.9	275.3	113,500 *
100	70.9	273.6	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 *

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. Wheeled 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. Wheeled Counterweight Boom Capacity Pounds
300 Ft. BOOM			
46	82.8	307.3	165,800 *
48	82.4	307.0	163,400 *
50	82.0	306.7	161,100 *
55	81.0	305.9	155,100 *
60	80.1	305.0	149,100 *
65	79.1	304.0	143,200 *
70	78.1	303.0	137,300 *
75	77.1	301.8	131,500 *
80	76.2	300.6	125,700 *
85	75.2	299.3	120,100 *
90	74.2	297.8	114,600 *
95	73.2	296.3	109,200 *
100	72.2	294.7	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. Wheeled 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. Wheeled Counterweight Boom Capacity Pounds	55,000 Lb. Wheeled Counterweight Boom Capacity Pounds	135,000 Lb. Wheeled Counterweight Boom Capacity Pounds	225,000 Lb. Wheeled Counterweight Boom Capacity Pounds	Boom Oper. Rad. Feet
140 Ft. BOOM							
26	82.7	148.5	403,300 *	445,700 *	480,000 *	480,000 *	26
28	81.9	148.2	371,400 *	411,000 *	465,700 *	480,000 *	28
30	81.1	147.9	343,600 *	380,700 *	432,000 *	480,000 *	30
32	80.2	147.5	319,000 *	353,900 *	402,200 *	456,600 *	32
34	79.4	147.1	293,200 *	330,100 *	375,700 *	427,100 *	34
36	78.6	146.6	264,400	308,800 *	352,000 *	400,700 *	36
38	77.7	146.2	238,900	289,600 *	330,700 *	376,900 *	38
40	76.9	145.7	217,000	272,300 *	311,400 *	355,400 *	40
42	76.0	145.2	197,900	254,800	293,900 *	335,900 *	42
44	75.2	144.6	181,200	234,600	277,800 *	318,000 *	44
46	74.3	144.0	166,400	216,700	263,100 *	301,600 *	46
48	73.5	143.4	153,200	200,800	249,600 *	286,600 *	48
50	72.6	142.7	141,400	186,500	237,100 *	272,700 *	50
55	70.4	141.0	116,500	156,500	209,700 *	242,200 *	55
60	68.2	138.9	96,800	132,700	183,100	216,600 *	60
65	66.0	136.7	80,800	113,300	159,000	194,800 *	65
70	63.7	134.2	67,500	97,200	139,000	176,100 *	70
75	61.4	131.5	56,300	83,700	122,200	159,800 *	75
80	59.0	128.5	46,700	72,100	107,800	141,500 *	80
85	56.5	125.2	38,400	62,100	95,400	125,100 *	85
90	54.0	121.6	31,200	53,400	84,500	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. Wheeled 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. Wheeled Counterweight Boom Capacity Pounds	55,000 Lb. Wheeled Counterweight Boom Capacity Pounds	135,000 Lb. Wheeled Counterweight Boom Capacity Pounds	225,000 Lb. Wheeled Counterweight Boom Capacity Pounds	Boom Oper. Rad. Feet
160 Ft. BOOM							
28	82.9	168.4	371,700 *	411,300 *	466,100 *	480,000 *	28
30	82.2	168.1	344,000 *	381,100 *	432,400 *	480,000 *	30
32	81.5	167.8	319,500 *	354,400 *	402,700 *	457,100 *	32
34	80.7	167.5	297,000	330,700 *	376,300 *	427,600 *	34
36	80.0	167.1	266,900	309,400 *	352,700 *	401,300 *	36
38	79.3	166.7	241,400	290,300 *	331,400 *	377,600 *	38
40	78.6	166.2	219,400	273,000 *	312,100 *	356,100 *	40
42	77.8	165.8	200,300	257,200	294,600 *	336,600 *	42
44	77.1	165.3	183,500	236,900	278,600 *	318,800 *	44
46	76.3	164.8	168,700	219,000	264,000 *	302,500 *	46
48	75.6	164.3	155,400	203,000	250,500 *	287,500 *	48
50	74.9	163.7	143,600	188,700	238,000 *	273,600 *	50
55	73.0	162.1	118,700	158,700	210,700 *	243,200 *	55
60	71.1	160.4	98,900	134,800	185,200	217,600 *	60
65	69.2	158.5	82,900	115,400	161,100	195,900 *	65
70	67.2	156.4	69,500	99,200	141,000	177,200 *	70
75	65.3	154.1	58,300	85,700	124,200	160,900 *	75
80	63.3	151.6	48,600	74,100	109,800	146,600 *	80
85	61.2	148.8	40,300	64,000	97,300	134,000 *	85
90	59.1	145.8	33,100	55,300	86,400	121,300 *	90
95	57.0	142.6	26,700	47,600	76,900	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. Wheeled 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. Wheeled Counterweight Boom Capacity Pounds	55,000 Lb. Wheeled Counterweight Boom Capacity Pounds	135,000 Lb. Wheeled Counterweight Boom Capacity Pounds	225,000 Lb. Wheeled Counterweight Boom Capacity Pounds	Boom Oper. Rad. Feet
180 Ft. BOOM							
32	82.4	188.1	317,300 *	352,300 *	400,600 *	454,900 *	32
34	81.8	187.7	295,500 *	328,600 *	374,200 *	425,500 *	34
36	81.1	187.4	267,900	307,300 *	350,600 *	399,200 *	36
38	80.5	187.1	242,100	288,200 *	329,300 *	375,500 *	38
40	79.8	186.7	219,900	271,000 *	310,100 *	354,100 *	40
42	79.2	186.3	200,700	255,200 *	292,600 *	334,600 *	42
44	78.5	185.8	183,800	237,200	276,600 *	316,800 *	44
46	77.9	185.4	168,800	219,100	262,000 *	300,500 *	46
48	77.2	184.9	155,500	203,100	248,500 *	285,500 *	48
50	76.6	184.4	143,500	188,700	236,000 *	271,600 *	50
55	74.9	183.1	118,400	158,400	208,700 *	241,200 *	55
60	73.3	181.5	98,500	134,400	184,700	215,700 *	60
65	71.6	179.9	82,300	114,800	160,500	193,900 *	65
70	69.9	178.0	68,800	98,600	140,400	175,200 *	70
75	68.2	176.0	57,500	84,900	123,400	159,000 *	75
80	66.4	173.8	47,800	73,200	108,900	144,700 *	80
85	64.7	171.5	39,400	63,100	96,400	132,000 *	85
90	62.9	168.9	32,100	54,200	85,400	120,500	90
95	61.1	166.1	25,300 *	46,500	75,800	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. Wheeled 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. Wheeled Counterweight Boom Capacity Pounds	55,000 Lb. Wheeled Counterweight Boom Capacity Pounds	135,000 Lb. Wheeled Counterweight Boom Capacity Pounds	225,000 Lb. Wheeled Counterweight Boom Capacity Pounds	Boom Oper. Rad. Feet
200 Ft. BOOM							
34	82.6	208.0	295,900 *	328,900 *	374,600 *	425,900 *	34
36	82.0	207.7	270,300	307,800 *	351,000 *	399,600 *	36
38	81.5	207.4	244,400	288,700 *	329,700 *	376,000 *	38
40	80.9	207.0	222,200	271,400 *	310,500 *	354,500 *	40
42	80.3	206.6	202,800	255,700 *	293,000 *	335,100 *	42
44	79.7	206.3	185,800	239,200	277,100 *	317,300 *	44
46	79.1	205.9	170,800	221,100	262,400 *	301,000 *	46
48	78.5	205.4	157,400	205,000	249,000 *	285,900 *	48
50	78.0	205.0	145,400	190,500	236,500 *	272,100 *	50
55	76.5	203.8	120,100	160,100	209,300 *	241,700 *	55
60	75.0	202.4	100,100	136,000	186,300	216,200 *	60
65	73.5	200.9	83,800	116,300	162,000	194,500 *	65
70	72.0	199.3	70,300	100,000	141,800	175,800 *	70
75	70.5	197.5	58,800	86,200	124,800	159,500 *	75
80	68.9	195.6	49,100	74,500	110,200	145,200 *	80
85	67.4	193.5	40,700	64,300	97,600	132,600 *	85
90	65.8	191.3	33,300	55,500	86,600	121,300 *	90
95	64.2	188.8	26,800	47,600	76,900	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. Wheeled 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. Wheeled Counterweight Boom Capacity Pounds	135,000 Lb. Wheeled Counterweight Boom Capacity Pounds	225,000 Lb. Wheeled Counterweight Boom Capacity Pounds	Boom Oper. Rad. Feet
220 Ft. BOOM						
36	82.8	227.9	307,900 *	343,100 *	343,100 *	36
38	82.2	227.6	288,800 *	329,900 *	343,100 *	38
40	81.7	227.3	271,600 *	310,700 *	343,100 *	40
42	81.2	227.0	255,900 *	293,200 *	335,200 *	42
44	80.7	226.6	240,700	277,300 *	317,500 *	44
46	80.1	226.2	222,500	262,700 *	301,200 *	46
48	79.6	225.9	206,300	249,200 *	286,200 *	48
50	79.1	225.5	191,800	236,800 *	272,400 *	50
55	77.7	224.4	161,400	209,600 *	242,000 *	55
60	76.4	223.1	137,100	186,700 *	216,500 *	60
65	75.0	221.8	117,400	163,100	194,800 *	65
70	73.7	220.3	101,100	142,900	176,200 *	70
75	72.3	218.7	87,300	125,800	159,900 *	75
80	70.9	217.0	75,500	111,200	145,600 *	80
85	69.5	215.1	65,300	98,600	133,000 *	85
90	68.1	213.1	56,400	87,600	121,700 *	90
95	66.7	211.0	48,600	77,900	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. Wheeled 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. Wheeled Counterweight Boom Capacity Pounds	135,000 Lb. Wheeled Counterweight Boom Capacity Pounds	225,000 Lb. Wheeled Counterweight Boom Capacity Pounds	Boom Oper. Rad. Feet
240 Ft. BOOM						
38	82.9	247.8	288,900 *	316,600 *	316,600 *	38
40	82.4	247.5	271,700 *	310,800 *	316,600 *	40
42	81.9	247.2	256,000 *	293,400 *	316,600 *	42
44	81.4	246.9	241,700 *	277,400 *	316,600 *	44
46	81.0	246.6	223,600	262,800 *	301,300 *	46
48	80.5	246.2	207,400	249,400 *	286,400 *	48
50	80.0	245.8	192,900	237,000 *	272,500 *	50
55	78.8	244.8	162,300	209,800 *	242,200 *	55
60	77.5	243.7	138,100	186,900 *	216,700 *	60
65	76.3	242.5	118,300	164,000	195,100 *	65
70	75.1	241.2	101,900	143,700	176,400 *	70
75	73.8	239.7	88,100	126,600	160,200 *	75
80	72.6	238.1	76,300	112,000	145,900 *	80
85	71.3	236.4	66,100	99,400	133,200 *	85
90	70.1	234.6	57,200	88,300	122,000 *	90
95	68.8	232.7	49,300	78,600	111,600	95
100	67.5	230.6	42,300	70,000	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. Wheeled 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. Wheeled Counterweight Boom Capacity Pounds	225,000 Lb. Wheeled Counterweight Boom Capacity Pounds
260 Ft. BOOM				
40	83.0	267.7	260,100 *	260,100 *
42	82.5	267.4	256,500 *	256,500 *
44	82.1	267.1	252,900 *	252,900 *
46	81.7	266.8	249,300 *	249,300 *
48	81.2	266.5	245,800 *	245,800 *
50	80.8	266.2	236,600 *	242,200 *
55	79.6	265.2	209,400 *	233,500 *
60	78.5	264.2	186,600 *	216,500 *
65	77.4	263.1	164,400	194,800 *
70	76.3	261.9	144,100	176,200 *
75	75.1	260.5	127,000	159,900 *
80	74.0	259.1	112,300	145,700 *
85	72.8	257.5	99,700	133,100 *
90	71.7	255.9	88,600	121,800 *
95	70.5	254.1	78,900	111,700 *
100	69.3	252.2	70,200	101,300
105	68.1	250.2	62,500	92,000
110	66.9	248.1	55,600	83,500
115	65.7	245.8	49,300	75,900
120	64.5	243.4	43,600 *	69,000
125	63.3	240.9	37,400 *	62,700 *
130	62.0	238.2	31,800 *	56,000 *
135	60.7	235.4	26,600 *	49,800 *
140	59.5	232.5	21,800 *	44,100 *
145	58.2	229.4	17,300 *	38,900 *
150	56.9	226.1	13,200 *	33,900 *
155	55.5	222.7		29,400 *
160	54.2	219.1		25,100 *
165	52.8	215.3		21,100 *
170	51.4	211.3		17,300 *
175	49.9	207.1		13,700 *
180	48.5	202.7		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. Wheeled 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. Wheeled Counterweight Boom Capacity Pounds
280 Ft. BOOM			
44	82.7	287.3	222,600 *
46	82.3	287.1	219,400 *
48	81.8	286.8	216,200 *
50	81.4	286.4	213,000 *
55	80.4	285.6	205,100 *
60	79.4	284.6	197,300 *
65	78.3	283.6	189,700 *
70	77.3	282.5	176,100 *
75	76.2	281.2	159,900 *
80	75.1	279.9	145,600 *
85	74.1	278.5	133,000 *
90	73.0	276.9	121,800 *
95	71.9	275.3	111,700 *
100	70.9	273.6	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 *



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. Wheeled 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. Wheeled Counterweight Boom Capacity Pounds
300 Ft. BOOM			
46	82.8	307.3	163,700 *
48	82.4	307.0	161,300 *
50	82.0	306.7	159,000 *
55	81.0	305.9	153,000 *
60	80.1	305.0	147,000 *
65	79.1	304.0	141,100 *
70	78.1	303.0	135,200 *
75	77.1	301.8	129,400 *
80	76.2	300.6	123,700 *
85	75.2	299.3	118,100 *
90	74.2	297.8	112,500 *
95	73.2	296.3	107,100 *
100	72.2	294.7	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. Wheeled 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. Wheeled Counterweight Boom Capacity Pounds	55,000 Lb. Wheeled Counterweight Boom Capacity Pounds	135,000 Lb. Wheeled Counterweight Boom Capacity Pounds	225,000 Lb. Wheeled Counterweight Boom Capacity Pounds	Boom Oper. Rad. Feet
140 Ft. BOOM							
26	82.7	148.5	399,700 *	442,200 *	480,000 *	480,000 *	26
28	81.9	148.2	368,000 *	407,600 *	462,300 *	480,000 *	28
30	81.1	147.9	340,200 *	377,300 *	428,600 *	480,000 *	30
32	80.2	147.5	315,600 *	350,600 *	398,900 *	453,200 *	32
34	79.4	147.1	287,900 *	326,800 *	372,400 *	423,800 *	34
36	78.6	146.6	259,900	305,500 *	348,800 *	397,400 *	36
38	77.7	146.2	234,500	286,400 *	327,500 *	373,700 *	38
40	76.9	145.7	212,700	269,100 *	308,200 *	352,200 *	40
42	76.0	145.2	193,800	250,700	290,700 *	332,700 *	42
44	75.2	144.6	177,100	230,600	274,700 *	314,900 *	44
46	74.3	144.0	162,400	212,700	260,000 *	298,500 *	46
48	73.5	143.4	149,300	196,900	246,500 *	283,500 *	48
50	72.6	142.7	137,500	182,700	234,000 *	269,600 *	50
55	70.4	141.0	112,900	152,800	206,700 *	239,100 *	55
60	68.2	138.9	93,300	129,100	179,500	213,600 *	60
65	66.0	136.7	77,300	109,800	155,500	191,900 *	65
70	63.7	134.2	64,100	93,800	135,600	173,200 *	70
75	61.4	131.5	53,000	80,400	118,900	156,000 *	75
80	59.0	128.5	43,400	68,800	104,500	137,300 *	80
85	56.5	125.2	35,200	58,900	92,200	121,000 *	85
90	54.0	121.6	27,700 *	50,200	81,400	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. Wheeled 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. Wheeled Counterweight Boom Capacity Pounds	55,000 Lb. Wheeled Counterweight Boom Capacity Pounds	135,000 Lb. Wheeled Counterweight Boom Capacity Pounds	225,000 Lb. Wheeled Counterweight Boom Capacity Pounds	Boom Oper. Rad. Feet
160 Ft. BOOM							
28	82.9	168.4	368,400 *	408,000 *	462,800 *	480,000 *	28
30	82.2	168.1	340,700 *	377,800 *	429,200 *	480,000 *	30
32	81.5	167.8	316,300 *	351,200 *	399,500 *	453,800 *	32
34	80.7	167.5	292,600	327,500 *	373,100 *	424,500 *	34
36	80.0	167.1	262,700	306,300 *	349,500 *	398,200 *	36
38	79.3	166.7	237,200	287,200 *	328,300 *	374,500 *	38
40	78.6	166.2	215,400	270,000 *	309,100 *	353,100 *	40
42	77.8	165.8	196,400	253,300	291,600 *	333,600 *	42
44	77.1	165.3	179,700	233,100	275,600 *	315,800 *	44
46	76.3	164.8	164,900	215,300	261,000 *	299,500 *	46
48	75.6	164.3	151,800	199,400	247,500 *	284,500 *	48
50	74.9	163.7	140,000	185,100	235,100 *	270,700 *	50
55	73.0	162.1	115,200	155,200	207,800 *	240,300 *	55
60	71.1	160.4	95,600	131,400	181,800	214,800 *	60
65	69.2	158.5	79,600	112,100	157,800	193,100 *	65
70	67.2	156.4	66,300	96,100	137,900	174,400 *	70
75	65.3	154.1	55,100	82,500	121,100	158,200 *	75
80	63.3	151.6	45,600	71,000	106,700	143,900 *	80
85	61.2	148.8	37,300	61,000	94,300	131,300 *	85
90	59.1	145.8	30,100	52,300	83,500	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. Wheeled 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. Wheeled Counterweight Boom Capacity Pounds	55,000 Lb. Wheeled Counterweight Boom Capacity Pounds	135,000 Lb. Wheeled Counterweight Boom Capacity Pounds	225,000 Lb. Wheeled Counterweight Boom Capacity Pounds	Boom Oper. Rad. Feet
180 Ft. BOOM							
32	82.4	188.1	314,200 *	349,200 *	397,500 *	451,800 *	32
34	81.8	187.7	292,500 *	325,500 *	371,100 *	422,500 *	34
36	81.1	187.4	263,800	304,300 *	347,600 *	396,200 *	36
38	80.5	187.1	238,100	285,300 *	326,300 *	372,500 *	38
40	79.8	186.7	216,100	268,000 *	307,100 *	351,100 *	40
42	79.2	186.3	196,900	252,300 *	289,700 *	331,700 *	42
44	78.5	185.8	180,100	233,500	273,700 *	313,900 *	44
46	77.9	185.4	165,200	215,600	259,100 *	297,600 *	46
48	77.2	184.9	152,000	199,600	245,600 *	282,600 *	48
50	76.6	184.4	140,100	185,200	233,200 *	268,800 *	50
55	74.9	183.1	115,200	155,100	206,000 *	238,400 *	55
60	73.3	181.5	95,300	131,200	181,600	212,900 *	60
65	71.6	179.9	79,200	111,700	157,400	191,300 *	65
70	69.9	178.0	65,800	95,500	137,300	172,600 *	70
75	68.2	176.0	54,500	81,900	120,400	156,300 *	75
80	66.4	173.8	44,900	70,300	106,000	142,100 *	80
85	64.7	171.5	36,500	60,200	93,500	129,400 *	85
90	62.9	168.9	29,300	51,400	82,600	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. Wheeled 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. Wheeled Counterweight Boom Capacity Pounds	55,000 Lb. Wheeled Counterweight Boom Capacity Pounds	135,000 Lb. Wheeled Counterweight Boom Capacity Pounds	225,000 Lb. Wheeled Counterweight Boom Capacity Pounds	Boom Oper. Rad. Feet
200 Ft. BOOM							
34	82.6	208.0	293,000 *	326,000 *	371,600 *	422,900 *	34
36	82.0	207.7	266,400	304,800 *	348,100 *	396,700 *	36
38	81.5	207.4	240,600	285,800 *	326,900 *	373,100 *	38
40	80.9	207.0	218,500	268,500 *	307,700 *	351,700 *	40
42	80.3	206.6	199,200	252,900 *	290,200 *	332,200 *	42
44	79.7	206.3	182,300	235,700	274,300 *	314,500 *	44
46	79.1	205.9	167,300	217,700	259,700 *	298,200 *	46
48	78.5	205.4	154,000	201,600	246,200 *	283,200 *	48
50	78.0	205.0	142,100	187,200	233,800 *	269,400 *	50
55	76.5	203.8	117,000	156,900	206,600 *	239,000 *	55
60	75.0	202.4	97,000	132,900	183,300	213,600 *	60
65	73.5	200.9	80,800	113,300	159,000	191,900 *	65
70	72.0	199.3	67,400	97,100	138,900	173,200 *	70
75	70.5	197.5	56,000	83,400	121,900	157,000 *	75
80	68.9	195.6	46,300	71,700	107,400	142,700 *	80
85	67.4	193.5	37,900	61,600	94,900	130,100 *	85
90	65.8	191.3	30,600	52,800	83,900	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. Wheeled 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. Wheeled Counterweight Boom Capacity Pounds	135,000 Lb. Wheeled Counterweight Boom Capacity Pounds	225,000 Lb. Wheeled Counterweight Boom Capacity Pounds	Boom Oper. Rad. Feet
220 Ft. BOOM						
36	82.8	227.9	305,000 *	339,900 *	339,900 *	36
38	82.2	227.6	286,000 *	327,100 *	339,900 *	38
40	81.7	227.3	268,800 *	307,900 *	339,900 *	40
42	81.2	227.0	253,200 *	290,500 *	332,500 *	42
44	80.7	226.6	237,300	274,600 *	314,800 *	44
46	80.1	226.2	219,200	260,000 *	298,500 *	46
48	79.6	225.9	203,100	246,600 *	283,500 *	48
50	79.1	225.5	188,600	234,200 *	269,700 *	50
55	77.7	224.4	158,300	207,000 *	239,400 *	55
60	76.4	223.1	134,200	184,200 *	214,000 *	60
65	75.0	221.8	114,600	160,300	192,300 *	65
70	73.7	220.3	98,300	140,100	173,700 *	70
75	72.3	218.7	84,600	123,100	157,500 *	75
80	70.9	217.0	72,800	108,500	143,200 *	80
85	69.5	215.1	62,700	96,000	130,600 *	85
90	68.1	213.1	53,800	85,000	119,300 *	90
95	66.7	211.0	46,000	75,300	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. Wheeled 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. Wheeled Counterweight Boom Capacity Pounds	135,000 Lb. Wheeled Counterweight Boom Capacity Pounds	225,000 Lb. Wheeled Counterweight Boom Capacity Pounds	Boom Oper. Rad. Feet
240 Ft. BOOM						
38	82.9	247.8	286,200 *	312,600 *	312,600 *	38
40	82.4	247.5	269,000 *	308,100 *	312,600 *	40
42	81.9	247.2	253,300 *	290,700 *	312,600 *	42
44	81.4	246.9	238,500	274,800 *	312,600 *	44
46	81.0	246.6	220,400	260,200 *	298,700 *	46
48	80.5	246.2	204,300	246,800 *	283,800 *	48
50	80.0	245.8	189,800	234,400 *	270,000 *	50
55	78.8	244.8	159,400	207,200 *	239,700 *	55
60	77.5	243.7	135,200	184,400 *	214,300 *	60
65	76.3	242.5	115,500	161,200	192,700 *	65
70	75.1	241.2	99,200	141,000	174,000 *	70
75	73.8	239.7	85,500	124,000	157,800 *	75
80	72.6	238.1	73,700	109,400	143,600 *	80
85	71.3	236.4	63,500	96,800	130,900 *	85
90	70.1	234.6	54,700	85,800	119,700 *	90
95	68.8	232.7	46,800	76,100	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. Wheeled 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. Wheeled Counterweight Boom Capacity Pounds	225,000 Lb. Wheeled Counterweight Boom Capacity Pounds
260 Ft. BOOM				
40	83.0	267.7	257,600 *	257,600 *
42	82.5	267.4	254,100 *	254,100 *
44	82.1	267.1	250,500 *	250,500 *
46	81.7	266.8	246,900 *	246,900 *
48	81.2	266.5	243,400 *	243,400 *
50	80.8	266.2	234,100 *	239,900 *
55	79.6	265.2	207,000 *	231,200 *
60	78.5	264.2	184,200 *	214,100 *
65	77.4	263.1	161,700	192,400 *
70	76.3	261.9	141,500	173,800 *
75	75.1	260.5	124,400	157,600 *
80	74.0	259.1	109,800	143,400 *
85	72.8	257.5	97,200	130,800 *
90	71.7	255.9	86,200	119,600 *
95	70.5	254.1	76,500	109,400
100	69.3	252.2	67,900	99,000
105	68.1	250.2	60,200	89,600
110	66.9	248.1	53,300	81,200
115	65.7	245.8	47,000	73,600
120	64.5	243.4	40,600 *	66,700
125	63.3	240.9	34,500 *	59,700 *
130	62.0	238.2	28,900 *	53,100 *
135	60.7	235.4	23,700 *	46,900 *
140	59.5	232.5	18,900 *	41,200 *
145	58.2	229.4	14,500 *	36,000 *
150	56.9	226.1	10,300 *	31,100 *
155	55.5	222.7		26,500 *
160	54.2	219.1		22,200 *
165	52.8	215.3		18,200 *
170	51.4	211.3		14,500 *
175	49.9	207.1		11,000 *



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. Wheeled 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. Wheeled Counterweight Boom Capacity Pounds
280 Ft. BOOM			
44	82.7	287.3	219,900 *
46	82.3	287.1	216,700 *
48	81.8	286.8	213,500 *
50	81.4	286.4	210,400 *
55	80.4	285.6	202,500 *
60	79.4	284.6	194,700 *
65	78.3	283.6	187,100 *
70	77.3	282.5	173,800 *
75	76.2	281.2	157,600 *
80	75.1	279.9	143,400 *
85	74.1	278.5	130,800 *
90	73.0	276.9	119,600 *
95	71.9	275.3	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 *

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. Wheeled 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. Wheeled Counterweight Boom Capacity Pounds
300 Ft. BOOM			
46	82.8	307.3	161,200 *
48	82.4	307.0	158,900 *
50	82.0	306.7	156,500 *
55	81.0	305.9	150,600 *
60	80.1	305.0	144,700 *
65	79.1	304.0	138,700 *
70	78.1	303.0	132,900 *
75	77.1	301.8	127,100 *
80	76.2	300.6	121,400 *
85	75.2	299.3	115,700 *
90	74.2	297.8	110,200 *
95	73.2	296.3	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 *