

L. R. WILLSON & SONS, INC.

773 ANNAPOLIS ROAD • PO BOX 227

GAMBRILLS, MARYLAND 21054

www.lrwilsonandsons.com

Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Luffing Jib Capacities**

**Luffing Jib No. 133 or No. 133A On
Boom No. 44 With Heavy Lift Top
248,700 Lb. Crane Counterweight
120,000 Lb. Carbody Counterweight
360 Degree Rating**

LIFTING CAPACITIES: Lifting capacities for various boom lengths, boom angles, luffing jib lengths, and luffing jib 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 (*). Capacities indicated by (b) require 4,800 Lb. minimum block weight.

Upper luffing jib point capacity for liftcrane service with single part whip line is 30,000 Lbs. In all cases, upper luffing jib point capacities cannot exceed those listed for main luffing jib capacities.

200 Ft. boom length requires only the middle 3 sheaves to be used on lower boom point. All other sheaves must be removed from lower boom point.

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

OPERATING CONDITIONS: Machine to operate on a firm uniformly supporting surface with gantry up. During operation, boom must be maintained at one of the selected angles shown in chart. Refer to luffing jib assembly **No. 172894**, **No. 174308** or **No. 192086**, Wire Rope Specification chart **No. 7638-A**, Counterweight Arrangement chart **No. 7692-A** and Luffing Jib Raising Procedure chart **No. 7604-A**. Crane operator judgment must be used to allow for dynamic load effects of swinging, hoisting or

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M-250 SERIES 3

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 and luffing jib within angle range shown in capacity chart. Refer to Maximum Allowable Travel Specification chart **No. 7678-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. Luffing jib angle is angle between horizontal and centerline of luffing jib butt and inserts, and is an indication of operating radius. In all cases, operating radius shall govern capacity.

LUFFING JIB POINT ELEVATION: Luffing jib point elevation is vertical distance from ground level to centerline of luffing jib point shaft.

MACHINE EQUIPMENT: Machine equipped with 30 Ft. 9 in. crawlers, 48 in. treads, 28 Ft. retractable gantry, 12 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, 248,700 Lb. crane counterweight, two 30,000 Lb. and four 15,000 Lb. carbody counterweights.

Consult chart **No. 8054-A** for lifting off main boom point with luffing jib attached.

**Deduct From Luffing Jib Capacities
When Fixed Jib Is Attached**

Fixed Jib Length	Fixed Jib No.140
40 Ft.	7,200 Lbs.
60 Ft.	8,900 Lbs.
80 Ft.	11,100 Lbs.
100 Ft.	13,400 Lbs.
120 Ft.	16,000 Lbs.

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M-250 SERIES 3**80 Ft. Boom, 70 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
36	69.9	155.4	180,000 *b																			36
38	68.1	154.6	174,000 *b																			38
40	66.3	153.7	166,800 *b																			40
45	61.7	151.2	150,600 *b	68.2	154.0	173,500 *b																45
50	56.9	148.1	132,700 *b	63.7	151.7	156,800 *b	67.6	153.0	170,300 *b													50
55	51.8	144.4	117,400 *	59.0	148.8	142,600 *b	63.0	150.6	154,200 *b													55
60	46.3	139.9	104,200 *	54.0	145.4	124,000 *	58.3	147.6	139,500 *b													60
65	40.2	134.4	93,500 *	48.7	141.2	109,500 *	53.3	144.1	122,000 *	60.2	147.2	148,500 *b										65
70	33.2	127.4	84,700 *	42.9	136.2	97,900 *	47.9	139.8	108,000 *	55.3	143.9	128,600 *										70
75	24.4	117.9	77,200 *	36.3	129.9	88,300 *	42.0	134.6	96,700 *	50.1	140.0	113,200 *	57.1	142.9	129,700							75
80	9.3	100.1	65,200 *	28.5	121.7	80,300 *	35.3	128.1	87,400 *	44.4	135.2	100,900 *	52.0	139.2	118,400 *							80
85				17.5	109.3	73,500 *	27.1	119.5	79,500 *	38.0	129.2	90,900 *	46.5	134.7	105,100 *							85
90							15.2	105.8	72,800 *	30.6	121.6	82,500 *	40.4	129.3	94,300 *	48.3	133.4	101,300				90
95										20.7	110.7	75,400 *	33.5	122.3	85,400 *	42.4	128.3	94,800				95
100													24.7	113.0	77,900 *	35.8	121.9	88,100 *	44.0	126.3	87,100	100
105													10.2	96.0	71,400 *	27.8	113.5	80,200 *	37.6	120.3	82,000	105
110																16.4	100.5	73,400 *	30.1	112.5	77,400	110
115																			20.0	101.3	73,200	115



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 360 Degree Rating

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M-250 SERIES 3**80 Ft. Boom, 80 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
36	72.5	166.1	177,500 *b																			36
38	71.0	165.4	170,100 *b																			38
40	69.4	164.6	163,200 *b																			40
45	65.5	162.4	148,000 *b																			45
50	61.5	159.9	134,700 *	67.2	162.7	153,800 *b																50
55	57.3	156.8	118,000 *	63.3	160.3	140,200 *b	66.6	161.7	151,400 *b													55
60	52.9	153.2	104,800 *	59.1	157.5	124,800 *	62.6	159.2	138,200 *b													60
65	48.2	148.9	94,000 *	54.8	154.1	110,200 *	58.5	156.3	122,700 *													65
70	43.1	143.9	85,100 *	50.2	150.2	98,400 *	54.1	152.9	108,500 *	60.2	155.9	129,400 *										70
75	37.4	137.8	77,600 *	45.3	145.5	88,700 *	49.5	148.8	97,100 *	55.9	152.6	113,800 *										75
80	30.9	130.2	71,200 *	40.0	139.9	80,700 *	44.6	144.0	87,700 *	51.4	148.8	101,400 *	57.5	151.6	119,100 *							80
85	22.7	119.8	65,600 *	33.9	133.0	73,800 *	39.1	138.2	79,800 *	46.6	144.3	91,300 *	53.1	148.0	105,600 *							85
90	8.6	100.8	56,200 *	26.5	124.1	67,900 *	32.9	131.1	73,100 *	41.3	139.0	82,800 *	48.4	143.8	94,800 *							90
95				16.3	110.7	62,800 *	25.3	121.7	67,300 *	35.4	132.4	75,700 *	43.3	138.8	85,800 *	49.9	142.3	94,300				95
100							14.1	107.0	62,300 *	28.5	124.1	69,600 *	37.7	132.7	78,200 *	44.9	137.6	88,500 *				100
105										19.3	112.3	64,200 *	31.2	125.1	71,700 *	39.5	131.9	80,500 *	46.3	135.5	81,500	105
110													23.1	115.0	66,100 *	33.4	124.9	73,700 *	41.0	130.1	76,900	110
115													9.5	96.8	61,200 *	25.9	115.8	67,800 *	35.1	123.5	72,800	115
120																15.2	101.7	62,700 *	28.0	115.0	69,000	120



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 248,700 Lb. Crane Counterweight
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M-250 SERIES 3**80 Ft. Boom, 90 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
36	74.5	176.5	173,000 *b																			36
38	73.2	175.9	166,200 *b																			38
40	71.8	175.3	159,600 *b																			40
45	68.4	173.4	145,000 *b																			45
50	64.9	171.1	132,600 *	69.9	173.5	150,800 *b																50
55	61.3	168.5	118,500 *	66.4	171.5	137,800 *b																55
60	57.6	165.5	105,200 *	62.9	169.0	125,300 *	65.9	170.4	135,900 *													60
65	53.7	161.9	94,300 *	59.2	166.1	110,600 *	62.4	167.9	123,200 *													65
70	49.6	157.9	85,300 *	55.4	162.8	98,800 *	58.7	165.0	108,900 *													70
75	45.2	153.1	77,800 *	51.4	159.0	89,000 *	54.8	161.6	97,400 *	60.1	164.5	114,300 *										75
80	40.5	147.6	71,300 *	47.2	154.6	80,900 *	50.8	157.7	88,000 *	56.4	161.3	101,800 *										80
85	35.2	141.0	65,800 *	42.6	149.4	74,000 *	46.5	153.2	80,000 *	52.4	157.6	91,500 *	57.8	160.3	106,000 *							85
90	29.1	132.7	60,900 *	37.5	143.3	68,100 *	41.8	147.9	73,300 *	48.2	153.4	83,000 *	53.9	156.8	95,100 *							90
95	21.3	121.7	56,600 *	31.8	135.8	62,900 *	36.7	141.6	67,500 *	43.7	148.4	75,900 *	49.8	152.7	86,000 *							95
100	8.0	101.5	48,900 *	24.9	126.3	58,400 *	30.9	133.9	62,400 *	38.8	142.5	69,700 *	45.4	148.0	78,400 *	51.1	151.2	88,100				100
105				15.3	112.0	54,400 *	23.7	123.8	58,000 *	33.3	135.5	64,400 *	40.7	142.5	71,900 *	46.8	146.7	80,700 *				105
110							13.2	108.1	54,000 *	26.8	126.5	59,700 *	35.4	135.9	66,200 *	42.2	141.5	73,800 *	48.0	144.6	76,500	110
115										18.2	113.9	55,500 *	29.3	127.8	61,300 *	37.1	135.3	68,000 *	43.5	139.5	72,400	115
120													21.7	116.9	57,000 *	31.4	127.7	62,900 *	38.5	133.6	68,700	120
130																14.3	103.0	54,400 *	26.4	117.4	59,500 *	130



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M-250 SERIES 3**80 Ft. Boom, 100 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
38	74.9	186.4	157,100 *b																			38
40	73.7	185.8	153,700 *b																			40
45	70.7	184.1	141,900 *b																			45
50	67.6	182.1	130,000 *																			50
55	64.4	179.8	118,700 *	68.9	182.3	135,100 *																55
60	61.2	177.2	105,200 *	65.8	180.2	124,300 *																60
65	57.9	174.1	94,300 *	62.6	177.7	110,700 *	65.3	179.1	122,900 *													65
70	54.4	170.7	85,300 *	59.3	174.8	98,800 *	62.1	176.6	109,000 *													70
75	50.7	166.8	77,700 *	55.9	171.5	89,000 *	58.8	173.6	97,400 *													75
80	46.9	162.3	71,200 *	52.3	167.8	80,800 *	55.4	170.3	87,900 *	60.1	173.2	101,800 *										80
85	42.8	157.1	65,600 *	48.6	163.6	73,900 *	51.8	166.5	79,900 *	56.7	170.0	91,500 *										85
90	38.3	151.1	60,700 *	44.6	158.7	68,000 *	48.0	162.2	73,100 *	53.2	166.4	83,000 *	58.0	168.9	95,000 *							90
95	33.3	144.0	56,400 *	40.3	153.1	62,800 *	43.9	157.2	67,300 *	49.5	162.3	75,700 *	54.5	165.5	85,900 *							95
100	27.5	135.2	52,600 *	35.5	146.5	58,200 *	39.6	151.5	62,200 *	45.6	157.6	69,600 *	50.9	161.6	78,300 *							100
105	20.2	123.5	49,200 *	30.1	138.5	54,200 *	34.7	144.7	57,800 *	41.3	152.2	64,200 *	47.0	157.1	71,700 *	52.0	160.0	80,600 *				105
110	7.6	102.1	42,800 *	23.6	128.3	50,700 *	29.2	136.5	53,800 *	36.7	145.9	59,500 *	42.9	152.0	66,100 *	48.3	155.7	73,700 *				110
115				14.5	113.2	47,400 *	22.5	125.8	50,300 *	31.5	138.3	55,400 *	38.5	146.0	61,200 *	44.3	150.8	67,800 *				115
120							12.5	109.2	47,100 *	25.3	128.8	51,700 *	33.5	138.9	56,800 *	39.9	145.2	62,700 *	45.3	148.8	68,200	120
130													20.5	118.7	49,600 *	29.7	130.4	54,200 *	36.4	136.9	59,300 *	130
140																13.5	104.1	47,400 *	24.9	119.6	51,600 *	140



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80 Ft. Boom, 110 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
40	75.2	196.2	145,700 *b																			40
45	72.5	194.7	138,300 *b																			45
50	69.7	192.9	127,100 *																			50
55	66.9	190.9	117,300 *	70.9	193.0	132,000 *																55
60	64.0	188.5	108,300 *	68.1	191.1	121,800 *																60
65	61.1	185.8	97,000 *	65.3	188.9	112,800 *	67.7	190.1	120,400 *													65
70	58.1	182.8	87,600 *	62.4	186.3	101,600 *	64.9	187.8	111,700 *													70
75	54.9	179.4	79,800 *	59.4	183.5	91,500 *	61.9	185.2	100,100 *													75
80	51.6	175.6	73,100 *	56.3	180.2	83,000 *	58.9	182.3	90,300 *													80
85	48.2	171.3	67,300 *	53.1	176.6	75,900 *	55.8	179.0	82,000 *	60.1	181.8	94,000 *										85
90	44.5	166.4	62,300 *	49.7	172.5	69,700 *	52.6	175.3	75,000 *	57.0	178.7	85,200 *										90
95	40.7	160.8	57,900 *	46.1	167.9	64,400 *	49.2	171.2	69,000 *	53.9	175.2	77,700 *										95
100	36.4	154.4	54,000 *	42.4	162.6	59,700 *	45.6	166.4	63,800 *	50.5	171.2	71,300 *	55.0	174.2	80,300 *							100
105	31.7	146.8	50,500 *	38.3	156.6	55,600 *	41.8	161.1	59,200 *	47.0	166.7	65,800 *	51.7	170.4	73,600 *							105
110	26.2	137.5	47,300 *	33.8	149.6	51,900 *	37.6	154.9	55,100 *	43.3	161.6	61,000 *	48.3	166.1	67,700 *	52.8	168.8	75,600 *				110
115	19.2	125.1	44,400 *	28.6	141.1	48,600 *	33.1	147.7	51,500 *	39.3	155.8	56,700 *	44.7	161.3	62,700 *	49.4	164.7	69,500 *				115
120	7.2	102.6	35,800 *	22.5	130.3	45,700 *	27.8	138.9	48,300 *	34.9	149.0	52,900 *	40.8	155.7	58,200 *	45.9	160.0	64,200 *				120
130							11.9	110.2	42,700 *	24.1	130.9	46,500 *	31.9	141.8	50,800 *	38.0	148.6	55,500 *	43.1	152.8	60,800 *	130
140													19.5	120.4	44,700 *	28.2	132.9	48,600 *	34.7	140.1	52,800 *	140
150																12.9	105.2	42,900 *	23.7	121.7	46,400 *	150



A.I.S.C. Certified Erector



P.C.I. Qualified Erector

L. R. WILLSON & SONS, INC.

773 ANNAPOLIS ROAD • PO BOX 227

GAMBRILLS, MARYLAND 21054

www.lrwilsonandsons.com

Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Luffing Jib Capacities**

Luffing Jib No. 133 or No. 133A On
 Boom No. 44 With Heavy Lift Top
 248,700 Lb. Crane Counterweight
 120,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

M-250 SERIES 3**80 Ft. Boom, 120 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	74.0	205.2	130,000 *																			45
50	71.5	203.5	124,200 *																			50
55	69.0	201.7	114,900 *																			55
60	66.4	199.6	106,600 *	70.1	201.8	119,300 *																60
65	63.7	197.2	96,700 *	67.5	199.8	110,700 *																65
70	61.0	194.5	87,300 *	64.9	197.6	101,300 *	67.1	198.8	109,700 *													70
75	58.2	191.5	79,400 *	62.2	195.0	91,200 *	64.5	196.5	99,800 *													75
80	55.3	188.1	72,700 *	59.4	192.1	82,700 *	61.8	193.9	89,900 *													80
85	52.4	184.4	66,900 *	56.6	188.9	75,500 *	59.0	191.0	81,700 *	62.8	193.3	93,700 *										85
90	49.3	180.2	61,900 *	53.7	185.4	69,400 *	56.2	187.7	74,700 *	60.1	190.5	84,800 *										90
95	46.0	175.6	57,500 *	50.6	181.4	64,000 *	53.2	184.1	68,600 *	57.3	187.4	77,300 *										95
100	42.5	170.3	53,500 *	47.4	177.0	59,300 *	50.1	180.1	63,400 *	54.4	183.9	71,000 *										100
105	38.8	164.4	50,000 *	44.0	172.0	55,200 *	46.9	175.5	58,800 *	51.4	180.0	65,400 *	55.5	182.9	73,200 *							105
110	34.8	157.6	46,900 *	40.5	166.4	51,500 *	43.5	170.5	54,700 *	48.2	175.7	60,600 *	52.5	179.2	67,400 *							110
115	30.3	149.5	44,000 *	36.6	159.9	48,200 *	39.9	164.7	51,100 *	44.9	170.9	56,300 *	49.4	175.1	62,300 *							115
120	25.0	139.7	41,500 *	32.3	152.5	45,300 *	35.9	158.2	47,900 *	41.4	165.4	52,500 *	46.1	170.4	57,800 *	50.4	173.6	63,800 *				120
130	6.9	103.2	31,600 *	21.5	132.2	40,100 *	26.6	141.3	42,300 *	33.4	152.0	46,100 *	39.0	159.3	50,300 *	43.8	164.1	55,100 *	48.0	166.9	60,400 *	130
140							11.4	111.1	37,600 *	23.1	132.9	40,800 *	30.4	144.5	44,300 *	36.3	151.9	48,200 *	41.1	156.5	52,400 *	140
150													18.6	122.0	39,300 *	27.0	135.3	42,500 *	33.1	143.0	46,000 *	150
160																12.3	106.2	37,800 *	22.7	123.6	40,700 *	160



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Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Luffing Jib Capacities****M-250 SERIES 3**

Luffing Jib No. 133 or No. 133A On
 Boom No. 44 With Heavy Lift Top
 248,700 Lb. Crane Counterweight
 120,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

80 Ft. Boom, 130 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	75.3	215.6	122,000 *																			45
50	73.0	214.1	117,000 *																			50
55	70.6	212.4	112,200 *																			55
60	68.3	210.5	104,700 *																			60
65	65.9	208.3	96,600 *	69.3	210.6	108,600 *																65
70	63.4	205.9	87,200 *	66.9	208.6	101,300 *																70
75	60.9	203.2	79,400 *	64.5	206.2	91,100 *	66.6	207.5	99,700 *													75
80	58.4	200.2	72,600 *	62.0	203.7	82,600 *	64.1	205.2	89,900 *													80
85	55.7	196.8	66,800 *	59.5	200.8	75,400 *	61.6	202.5	81,600 *													85
90	53.0	193.2	61,800 *	56.9	197.6	69,300 *	59.1	199.6	74,600 *	62.6	202.0	84,700 *										90
95	50.1	189.1	57,300 *	54.2	194.1	63,900 *	56.5	196.4	68,500 *	60.1	199.2	77,300 *										95
100	47.2	184.6	53,400 *	51.4	190.2	59,200 *	53.8	192.9	63,300 *	57.5	196.1	70,800 *										100
105	44.1	179.7	49,900 *	48.5	185.9	55,100 *	50.9	188.9	58,700 *	54.8	192.6	65,300 *										105
110	40.8	174.1	46,700 *	45.4	181.2	51,400 *	48.0	184.6	54,600 *	52.1	188.9	60,400 *	55.8	191.6	67,200 *							110
115	37.2	167.8	43,900 *	42.2	175.9	48,100 *	45.0	179.7	51,000 *	49.2	184.7	56,200 *	53.1	188.0	62,200 *							115
120	33.4	160.6	41,300 *	38.8	169.9	45,100 *	41.7	174.3	47,700 *	46.2	180.0	52,400 *	50.3	184.0	57,700 *							120
130	24.0	141.8	36,800 *	31.0	155.2	40,000 *	34.5	161.3	42,100 *	39.6	169.1	45,900 *	44.2	174.5	50,200 *	48.2	178.1	55,000 *				130
140	6.6	103.7	28,100 *	20.6	134.0	35,700 *	25.5	143.5	37,500 *	32.0	154.9	40,700 *	37.4	162.7	44,200 *	42.0	167.9	48,000 *	46.0	171.2	52,200 *	140
150							10.9	112.1	33,500 *	22.1	134.8	36,200 *	29.2	147.1	39,200 *	34.8	155.1	42,400 *	39.4	160.2	45,800 *	150
160													17.9	123.5	35,000 *	25.9	137.6	37,700 *	31.8	145.9	40,600 *	160
170																11.8	107.2	33,700 *	21.8	125.6	36,200 *	170



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 248,700 Lb. Crane Counterweight
 120,000 Lb. Carbody Counterweight
 360 Degree Rating

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 With The Intent To Be In
 The Scope of ANSI B30.5

M-250 SERIES 3**80 Ft. Boom, 140 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	74.2	224.5	108,600 *																			50
55	72.1	223.0	104,300 *																			55
60	69.9	221.2	100,200 *																			60
65	67.7	219.2	95,400 *	70.8	221.3	103,000 *																65
70	65.5	217.0	87,500 *	68.7	219.4	98,900 *																70
75	63.2	214.5	79,500 *	66.4	217.3	91,400 *																75
80	60.9	211.8	72,700 *	64.2	214.9	82,800 *	66.1	216.2	90,200 *													80
85	58.5	208.8	66,800 *	61.9	212.3	75,500 *	63.8	213.9	81,800 *													85
90	56.0	205.5	61,700 *	59.5	209.5	69,300 *	61.5	211.2	74,600 *													90
95	53.5	201.9	57,200 *	57.1	206.3	63,800 *	59.1	208.3	68,500 *	62.4	210.6	77,400 *										95
100	50.9	198.0	53,200 *	54.6	202.8	59,100 *	56.7	205.1	63,200 *	60.1	207.8	70,900 *										100
105	48.2	193.6	49,700 *	52.0	199.1	54,900 *	54.2	201.6	58,500 *	57.7	204.7	65,200 *										105
110	45.4	188.9	46,500 *	49.4	194.9	51,200 *	51.6	197.7	54,400 *	55.2	201.4	60,300 *										110
115	42.4	183.6	43,600 *	46.6	190.3	47,800 *	49.0	193.5	50,700 *	52.7	197.6	56,000 *	56.1	200.3	62,100 *							115
120	39.2	177.7	41,000 *	43.7	185.2	44,800 *	46.2	188.9	47,500 *	50.0	193.6	52,200 *	53.6	196.8	57,500 *							120
130	32.1	163.4	36,500 *	37.3	173.3	39,700 *	40.1	178.0	41,800 *	44.4	184.1	45,700 *	48.3	188.5	50,000 *	51.8	191.3	54,800 *				130
140	23.1	143.9	32,600 *	29.8	157.9	35,300 *	33.2	164.3	37,100 *	38.1	172.5	40,300 *	42.5	178.4	43,900 *	46.4	182.4	47,800 *				140
150	6.3	104.2	25,000 *	19.8	135.7	31,600 *	24.5	145.7	33,200 *	30.8	157.7	35,900 *	35.9	166.0	38,900 *	40.3	171.6	42,100 *	44.2	175.3	45,600 *	150
160							10.5	112.9	29,800 *	21.3	136.7	32,100 *	28.1	149.6	34,700 *	33.4	158.1	37,400 *	37.9	163.6	40,300 *	160
170													17.2	125.0	31,100 *	24.9	139.8	33,400 *	30.6	148.6	35,900 *	170
180																11.3	108.2	29,900 *	20.9	127.4	32,100 *	180



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 360 Degree Rating

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M-250 SERIES 3**80 Ft. Boom, 150 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	75.3	234.9	103,900 *																			50
55	73.3	233.5	100,300 *																			55
60	71.3	231.8	96,600 *																			60
65	69.3	230.0	93,200 *																			65
70	67.2	227.9	87,700 *	70.1	230.1	95,600 *																70
75	65.1	225.7	80,300 *	68.1	228.2	90,900 *																75
80	63.0	223.2	73,400 *	66.0	226.0	83,700 *	67.8	227.2	90,200 *													80
85	60.8	220.5	67,400 *	63.9	223.6	76,300 *	65.7	225.0	82,600 *													85
90	58.6	217.5	62,200 *	61.7	221.0	69,900 *	63.6	222.5	75,300 *													90
95	56.3	214.2	57,700 *	59.5	218.1	64,400 *	61.4	219.9	69,100 *													95
100	54.0	210.7	53,700 *	57.3	215.0	59,600 *	59.2	217.0	63,700 *	62.3	219.3	71,500 *										100
105	51.5	206.8	50,100 *	55.0	211.6	55,400 *	56.9	213.8	58,900 *	60.1	216.5	65,800 *										105
110	49.0	202.6	46,800 *	52.6	207.8	51,600 *	54.6	210.3	54,700 *	57.8	213.4	60,800 *										110
115	46.4	198.0	43,900 *	50.1	203.8	48,200 *	52.2	206.5	51,000 *	55.5	210.1	56,300 *										115
120	43.7	192.9	41,200 *	47.6	199.3	45,100 *	49.8	202.4	47,600 *	53.2	206.4	52,400 *	56.4	209.0	57,900 *							120
130	37.8	181.1	36,500 *	42.1	189.1	39,800 *	44.5	193.0	41,900 *	48.2	198.1	45,800 *	51.6	201.6	50,100 *							130
140	31.0	166.2	32,500 *	36.0	176.5	35,300 *	38.7	181.5	37,100 *	42.8	188.1	40,300 *	46.5	192.8	43,900 *	49.9	196.0	47,800 *				140
150	22.3	145.8	29,100 *	28.7	160.5	31,500 *	32.0	167.1	33,000 *	36.8	175.9	35,800 *	41.0	182.2	38,800 *	44.7	186.6	42,000 *				150
160	6.1	104.7	20,900 *	19.1	137.4	28,200 *	23.7	147.8	29,500 *	29.7	160.3	31,900 *	34.7	169.1	34,500 *	38.9	175.2	37,200 *	42.6	179.2	40,100 *	160
170							10.1	113.8	26,100 *	20.5	138.5	28,500 *	27.1	152.0	30,800 *	32.3	161.0	33,100 *	36.6	166.9	35,600 *	170
180													16.6	126.5	27,500 *	24.0	141.9	29,600 *	29.5	151.3	31,700 *	180
190																10.9	109.1	26,400 *	20.2	129.1	28,400 *	190



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Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
55	74.4	243.9	94,100 *																			55
60	72.5	242.4	90,900 *																			60
65	70.6	240.7	87,700 *																			65
70	68.7	238.8	84,700 *																			70
75	66.8	236.7	79,800 *	69.5	238.9	86,800 *																75
80	64.8	234.4	72,900 *	67.6	236.9	83,200 *																80
85	62.8	231.9	66,900 *	65.6	234.7	75,800 *	67.3	235.9	82,100 *													85
90	60.8	229.1	61,700 *	63.7	232.3	69,400 *	65.4	233.7	74,800 *													90
95	58.7	226.2	57,200 *	61.6	229.7	63,900 *	63.4	231.2	68,600 *													95
100	56.5	222.9	53,100 *	59.6	226.8	59,100 *	61.3	228.5	63,200 *													100
105	54.4	219.4	49,500 *	57.5	223.7	54,800 *	59.3	225.6	58,500 *	62.1	228.0	65,300 *										105
110	52.1	215.6	46,300 *	55.3	220.3	51,100 *	57.1	222.5	54,300 *	60.1	225.1	60,300 *										110
115	49.8	211.5	43,400 *	53.1	216.6	47,700 *	55.0	219.0	50,500 *	58.0	222.1	55,900 *										115
120	47.4	207.0	40,800 *	50.8	212.6	44,600 *	52.7	215.3	47,200 *	55.8	218.8	52,000 *										120
130	42.3	196.8	36,100 *	46.0	203.6	39,400 *	48.1	206.9	41,400 *	51.4	211.3	45,300 *	54.4	214.2	49,700 *							130
140	36.6	184.4	32,100 *	40.7	192.8	34,900 *	43.0	196.9	36,600 *	46.6	202.4	39,900 *	49.9	206.3	43,400 *	52.9	208.8	47,400 *				140
150	29.9	168.9	28,700 *	34.8	179.7	31,100 *	37.4	184.9	32,600 *	41.4	191.9	35,300 *	45.0	197.0	38,300 *	48.2	200.5	41,600 *				150
160	21.5	147.7	25,700 *	27.8	162.9	27,800 *	30.9	169.9	29,100 *	35.6	179.1	31,500 *	39.6	185.8	34,000 *	43.2	190.6	36,700 *	46.4	193.6	39,700 *	160
170	5.9	105.2	18,300 *	18.5	139.0	24,900 *	22.9	149.8	26,000 *	28.7	162.9	28,100 *	33.5	172.1	30,300 *	37.6	178.6	32,700 *	41.2	183.0	35,100 *	170
180							9.8	114.6	23,100 *	19.9	140.2	25,200 *	26.2	154.4	27,100 *	31.2	163.8	29,200 *	35.4	170.1	31,300 *	180
190													16.1	127.8	24,300 *	23.2	143.9	26,100 *	28.5	153.8	28,000 *	190
200																10.6	110.0	23,400 *	19.5	130.9	25,100 *	200



A.I.S.C. Certified Erector



P.C.I. Qualified Erector

L. R. WILLSON & SONS, INC.

773 ANNAPOLIS ROAD • PO BOX 227

GAMBRILLS, MARYLAND 21054

www.lrwilsonandsons.com

Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Luffing Jib Capacities**

**Luffing Jib No. 133 or No. 133A On
Boom No. 44 With Heavy Lift Top
248,700 Lb. Crane Counterweight
120,000 Lb. Carbody Counterweight
360 Degree Rating**

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

M-250 SERIES 3**80 Ft. Boom, 170 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
55	75.3	254.3	87,400 *																			55
60	73.6	252.9	84,500 *																			60
65	71.8	251.3	81,600 *																			65
70	70.0	249.5	78,800 *																			70
75	68.2	247.5	76,200 *	70.8	249.6	80,600 *																75
80	66.4	245.4	73,100 *	69.0	247.7	78,000 *																80
85	64.5	243.1	67,300 *	67.2	245.7	75,000 *																85
90	62.6	240.5	62,000 *	65.3	243.4	69,800 *	66.9	244.6	74,400 *													90
95	60.7	237.8	57,400 *	63.4	241.0	64,200 *	65.0	242.4	69,000 *													95
100	58.7	234.8	53,300 *	61.5	238.3	59,300 *	63.2	239.9	63,500 *													100
105	56.7	231.6	49,600 *	59.6	235.4	55,000 *	61.2	237.2	58,600 *													105
110	54.7	228.1	46,400 *	57.6	232.3	51,200 *	59.3	234.3	54,400 *	62.0	236.6	60,500 *										110
115	52.6	224.4	43,400 *	55.6	229.0	47,700 *	57.3	231.1	50,600 *	60.1	233.8	56,000 *										115
120	50.4	220.4	40,700 *	53.5	225.4	44,600 *	55.3	227.8	47,200 *	58.1	230.8	52,000 *										120
130	45.9	211.3	36,000 *	49.2	217.2	39,300 *	51.0	220.1	41,300 *	54.0	223.9	45,300 *	56.8	226.4	49,700 *							130
140	40.9	200.5	32,000 *	44.5	207.7	34,800 *	46.5	211.2	36,500 *	49.7	215.9	39,800 *	52.7	219.2	43,400 *							140
150	35.4	187.6	28,600 *	39.4	196.4	31,000 *	41.6	200.8	32,400 *	45.1	206.6	35,200 *	48.3	210.9	38,200 *	51.2	213.7	41,500 *				150
160	29.0	171.5	25,600 *	33.7	182.7	27,700 *	36.2	188.2	29,000 *	40.1	195.6	31,300 *	43.5	201.0	33,900 *	46.7	204.8	36,700 *				160
170	20.9	149.5	23,000 *	26.9	165.3	24,800 *	30.0	172.6	25,900 *	34.4	182.2	28,000 *	38.4	189.3	30,200 *	41.8	194.4	32,600 *	45.0	197.8	35,000 *	170
180	5.7	105.7	16,200 *	17.9	140.5	22,300 *	22.2	151.8	23,300 *	27.8	165.4	25,100 *	32.5	175.0	27,000 *	36.4	181.9	29,100 *	39.9	186.7	31,200 *	180
190							9.5	115.4	20,700 *	19.2	141.9	22,500 *	25.4	156.6	24,200 *	30.2	166.5	26,000 *	34.3	173.2	27,900 *	190
200													15.6	129.2	21,700 *	22.5	145.9	23,300 *	27.6	156.2	25,000 *	200
210																10.2	110.9	20,900 *	18.9	132.5	22,400 *	210



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 248,700 Lb. Crane Counterweight
 120,000 Lb. Carbody Counterweight
 360 Degree Rating

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 With The Intent To Be In
 The Scope of ANSI B30.5

M-250 SERIES 3**80 Ft. Boom, 180 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
60	74.5	263.3	79,400 *																			60
65	72.9	261.8	76,800 *																			65
70	71.2	260.1	74,300 *																			70
75	69.5	258.3	71,300 *																			75
80	67.8	256.3	68,200 *	70.2	258.4	73,100 *																80
85	66.0	254.1	65,200 *	68.5	256.5	70,000 *																85
90	64.3	251.8	61,500 *	66.8	254.4	67,000 *																90
95	62.5	249.2	56,900 *	65.0	252.1	63,700 *	66.5	253.4	66,400 *													95
100	60.7	246.5	52,700 *	63.3	249.6	58,800 *	64.8	251.0	63,000 *													100
105	58.8	243.5	49,100 *	61.5	247.0	54,500 *	63.0	248.5	58,200 *													105
110	56.9	240.3	45,800 *	59.6	244.1	50,600 *	61.2	245.9	53,900 *													110
115	55.0	236.9	42,900 *	57.7	241.0	47,200 *	59.3	242.9	50,100 *	61.9	245.3	55,500 *										115
120	53.0	233.2	40,200 *	55.8	237.7	44,100 *	57.5	239.8	46,700 *	60.1	242.5	51,600 *										120
130	48.9	225.0	35,500 *	51.9	230.3	38,800 *	53.6	232.9	40,900 *	56.3	236.2	44,800 *										130
140	44.5	215.4	31,500 *	47.7	221.7	34,300 *	49.5	224.8	36,000 *	52.4	228.9	39,300 *	55.1	231.7	42,900 *							140
150	39.7	204.2	28,100 *	43.2	211.7	30,500 *	45.1	215.4	32,000 *	48.2	220.4	34,700 *	51.1	224.0	37,800 *							150
160	34.4	190.7	25,200 *	38.3	199.9	27,200 *	40.4	204.5	28,500 *	43.7	210.6	30,900 *	46.8	215.2	33,400 *	49.6	218.3	36,200 *				160
170	28.2	174.0	22,600 *	32.7	185.7	24,400 *	35.2	191.4	25,500 *	38.9	199.1	27,500 *	42.2	204.9	29,700 *	45.3	209.0	32,100 *				170
180	20.3	151.3	20,200 *	26.1	167.6	21,900 *	29.1	175.2	22,800 *	33.4	185.2	24,700 *	37.2	192.7	26,600 *	40.6	198.1	28,600 *	43.6	201.8	30,700 *	180
190	5.5	106.1	14,100 *	17.4	142.1	19,600 *	21.5	153.7	20,500 *	27.0	167.8	22,100 *	31.5	177.8	23,800 *	35.4	185.1	25,600 *	38.7	190.2	27,400 *	190
200							9.2	116.2	18,200 *	18.7	143.6	19,800 *	24.7	158.8	21,300 *	29.3	169.1	22,900 *	33.3	176.2	24,500 *	200
210													15.1	130.5	19,100 *	21.9	147.8	20,500 *	26.8	158.6	22,000 *	210
220																9.9	111.7	18,400 *	18.4	134.1	19,700 *	220



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 248,700 Lb. Crane Counterweight
 120,000 Lb. Carbody Counterweight
 360 Degree Rating

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 With The Intent To Be In
 The Scope of ANSI B30.5

80 Ft. Boom, 190 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
60	75.4	273.7	74,900 *																			60
65	73.8	272.2	72,300 *																			65
70	72.2	270.7	69,600 *																			70
75	70.6	269.0	66,800 *																			75
80	69.0	267.1	63,900 *																			80
85	67.4	265.0	61,200 *	69.7	267.2	65,500 *																85
90	65.7	262.8	58,300 *	68.1	265.3	62,700 *																90
95	64.1	260.4	55,600 *	66.4	263.1	60,000 *	67.8	264.2	62,100 *													95
100	62.4	257.9	52,300 *	64.8	260.8	57,200 *	66.2	262.1	59,400 *													100
105	60.6	255.1	48,600 *	63.1	258.3	54,000 *	64.5	259.7	56,800 *													105
110	58.9	252.2	45,300 *	61.4	255.6	50,100 *	62.8	257.2	53,400 *													110
115	57.1	249.0	42,400 *	59.6	252.8	46,700 *	61.1	254.5	49,600 *													115
120	55.3	245.6	39,700 *	57.9	249.7	43,600 *	59.4	251.6	46,200 *	61.8	253.9	51,100 *										120
130	51.5	238.0	35,000 *	54.2	242.9	38,300 *	55.8	245.2	40,400 *	58.3	248.1	44,300 *										130
140	47.5	229.4	31,100 *	50.4	235.0	33,800 *	52.0	237.8	35,600 *	54.7	241.4	38,800 *	57.2	243.8	42,500 *							140
150	43.2	219.4	27,700 *	46.3	226.0	30,000 *	48.1	229.3	31,500 *	50.9	233.7	34,300 *	53.5	236.8	37,300 *							150
160	38.6	207.7	24,700 *	42.0	215.6	26,800 *	43.9	219.5	28,000 *	46.8	224.8	30,400 *	49.6	228.7	33,000 *	52.2	231.3	35,700 *				160
170	33.4	193.7	22,100 *	37.2	203.3	23,900 *	39.3	208.0	25,000 *	42.5	214.6	27,100 *	45.5	219.4	29,300 *	48.2	222.8	31,600 *				170
180	27.4	176.4	19,800 *	31.8	188.5	21,500 *	34.2	194.5	22,400 *	37.8	202.5	24,200 *	41.1	208.7	26,100 *	44.0	213.1	28,100 *	46.7	216.0	30,200 *	180
190	19.7	153.0	17,800 *	25.4	169.9	19,200 *	28.3	177.7	20,100 *	32.5	188.1	21,700 *	36.2	196.0	23,400 *	39.5	201.7	25,100 *	42.4	205.7	26,900 *	190
200	5.3	106.5	12,100 *	16.9	143.5	17,200 *	20.9	155.5	18,000 *	26.3	170.1	19,400 *	30.6	180.6	20,900 *	34.4	188.2	22,500 *	37.7	193.6	24,100 *	200
210							8.9	116.9	16,000 *	18.2	145.1	17,400 *	24.0	160.9	18,800 *	28.5	171.6	20,100 *	32.3	179.1	21,600 *	210
220													14.7	131.8	16,800 *	21.3	149.7	18,000 *	26.1	160.9	19,300 *	220
230																9.6	112.5	16,100 *	17.9	135.7	17,300 *	230



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 248,700 Lb. Crane Counterweight
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 360 Degree Rating

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M-250 SERIES 3**80 Ft. Boom, 200 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
65	74.6	282.7	67,000 *																			65
70	73.1	281.2	64,800 *																			70
75	71.6	279.5	62,100 *																			75
80	70.1	277.8	59,400 *																			80
85	68.6	275.8	56,700 *	70.8	277.9	60,700 *																85
90	67.0	273.8	54,000 *	69.2	276.0	58,100 *																90
95	65.4	271.5	51,400 *	67.7	274.0	55,400 *																95
100	63.9	269.1	48,800 *	66.1	271.8	52,800 *	67.4	273.0	54,900 *													100
105	62.2	266.5	46,300 *	64.5	269.5	50,200 *	65.9	270.8	52,400 *													105
110	60.6	263.8	44,000 *	62.9	267.0	47,700 *	64.3	268.4	49,800 *													110
115	58.9	260.8	41,700 *	61.3	264.3	45,300 *	62.7	265.9	47,400 *													115
120	57.2	257.7	39,100 *	59.7	261.4	43,100 *	61.1	263.2	45,000 *													120
130	53.8	250.7	34,500 *	56.3	255.1	37,700 *	57.7	257.2	39,900 *	60.1	259.8	43,500 *										130
140	50.1	242.7	30,500 *	52.7	247.8	33,300 *	54.2	250.3	35,100 *	56.7	253.5	38,400 *										140
150	46.2	233.7	27,200 *	49.0	239.6	29,600 *	50.6	242.5	31,000 *	53.2	246.4	33,800 *	55.6	249.1	36,800 *							150
160	42.1	223.2	24,200 *	45.1	230.2	26,300 *	46.8	233.6	27,600 *	49.5	238.3	29,900 *	52.0	241.7	32,500 *							160
170	37.6	211.1	21,700 *	40.8	219.3	23,500 *	42.7	223.4	24,600 *	45.6	229.0	26,600 *	48.3	233.2	28,800 *	50.8	236.1	31,100 *				170
180	32.5	196.6	19,400 *	36.2	206.6	21,000 *	38.2	211.5	21,900 *	41.4	218.3	23,700 *	44.3	223.5	25,600 *	46.9	227.2	27,600 *				180
190	26.7	178.8	17,300 *	31.0	191.3	18,800 *	33.3	197.4	19,600 *	36.8	205.9	21,200 *	40.0	212.3	22,900 *	42.8	217.0	24,600 *	45.5	220.2	26,500 *	190
200	19.2	154.7	15,500 *	24.8	172.1	16,800 *	27.6	180.2	17,600 *	31.7	191.0	19,000 *	35.2	199.2	20,500 *	38.4	205.2	22,000 *	41.2	209.5	23,600 *	200
210	5.2	107.0	10,300 *	16.5	145.0	15,000 *	20.4	157.3	15,700 *	25.6	172.4	17,000 *	29.8	183.3	18,300 *	33.5	191.2	19,700 *	36.7	196.9	21,100 *	210
220							8.7	117.7	13,900 *	17.7	146.7	15,100 *	23.4	163.0	16,400 *	27.8	174.1	17,600 *	31.5	181.9	18,900 *	220
230													14.3	133.0	14,600 *	20.7	151.5	15,700 *	25.4	163.2	16,900 *	230
240																9.4	113.3	14,000 *	17.4	137.2	15,000 *	240



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M-250 SERIES 3**90 Ft. Boom, 70 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
38	68.4	164.8	175,400 *b																			38
40	66.6	163.9	168,500 *b																			40
45	62.1	161.4	152,900 *b	69.3	164.4	177,800 *b																45
50	57.3	158.3	135,100 *b	64.8	162.2	161,000 *b																50
55	52.2	154.7	118,400 *	60.2	159.5	146,800 *b	64.6	161.3	159,700 *b													55
60	46.7	150.2	105,000 *	55.3	156.2	128,100 *b	60.0	158.6	145,900 *b													60
65	40.7	144.8	94,200 *	50.1	152.2	112,800 *	55.0	155.3	127,700 *	62.6	158.3	157,400 b										65
70	33.7	137.9	85,300 *	44.4	147.4	100,500 *	49.8	151.3	112,500 *	57.9	155.3	138,200 *b										70
75	25.1	128.7	77,700 *	38.0	141.5	90,500 *	44.1	146.4	100,400 *	52.8	151.8	120,700 *										75
80	11.1	112.3	70,000 *	30.6	133.9	82,200 *	37.7	140.4	90,400 *	47.4	147.4	107,000 *	55.5	151.2	118,400							80
85				20.7	122.9	75,100 *	30.2	132.7	82,100 *	41.4	142.1	95,800 *	50.3	147.3	109,900							85
90							20.1	121.5	75,100 *	34.6	135.5	86,700 *	44.7	142.5	101,500 *	52.8	146.1	99,900				90
95										26.3	126.6	79,000 *	38.4	136.7	91,300 *	47.4	141.7	93,400				95
100										13.6	112.0	72,400 *	31.0	129.1	82,900 *	41.5	136.4	87,700				100
105													21.3	118.4	75,700 *	34.7	129.8	82,600	44.0	135.0	80,600	105
110																26.3	120.9	77,900	37.6	129.0	76,100	110
115																13.7	106.4	72,500 *	30.1	121.2	72,000	115
120																			20.0	110.0	68,200	120



A.I.S.C. Certified Erector



P.C.I. Qualified Erector

L. R. WILLSON & SONS, INC.

773 ANNAPOLIS ROAD • PO BOX 227

GAMBRILLS, MARYLAND 21054

www.lrwilsonandsons.com

Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Luffing Jib Capacities**

Luffing Jib No. 133 or No. 133A On
 Boom No. 44 With Heavy Lift Top
 248,700 Lb. Crane Counterweight
 120,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

M-250 SERIES 3**90 Ft. Boom, 80 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
38	71.2	175.5	171,400 *b																			38
40	69.7	174.7	164,700 *b																			40
45	65.8	172.6	149,800 *b																			45
50	61.8	170.0	136,200 *b	68.2	173.2	157,800 *b																50
55	57.6	167.0	119,100 *	64.2	170.9	144,200 *b	68.0	172.3	156,600 *b													55
60	53.2	163.4	105,600 *	60.2	168.2	128,900 *	64.1	170.0	143,200 *b													60
65	48.5	159.2	94,700 *	55.9	164.9	113,400 *	60.0	167.2	128,500 *													65
70	43.5	154.3	85,700 *	51.4	161.1	101,100 *	55.7	164.0	113,100 *	62.3	167.0	139,100 *b										70
75	37.9	148.2	78,100 *	46.6	156.6	90,900 *	51.2	160.1	100,800 *	58.1	164.0	121,400 *										75
80	31.4	140.7	71,600 *	41.3	151.3	82,500 *	46.3	155.6	90,800 *	53.8	160.5	107,500 *										80
85	23.4	130.7	66,000 *	35.4	144.7	75,400 *	41.1	150.2	82,400 *	49.1	156.4	96,300 *	56.1	159.9	109,300							85
90	10.3	113.1	60,300 *	28.5	136.4	69,300 *	35.1	143.6	75,300 *	44.1	151.5	87,000 *	51.6	156.1	101,900							90
95				19.3	124.6	64,000 *	28.1	135.2	69,300 *	38.6	145.7	79,300 *	46.8	151.7	91,700 *							95
100							18.8	123.1	64,000 *	32.3	138.4	72,600 *	41.6	146.4	83,200 *	49.1	150.7	87,200				100
105										24.5	128.8	66,900 *	35.7	139.9	76,000 *	44.1	145.8	82,100				105
110										12.7	113.0	61,900 *	28.8	131.7	69,900 *	38.6	140.0	77,500	46.3	144.2	75,500	110
115													19.8	120.2	64,500 *	32.3	132.7	72,700 *	41.0	138.7	71,500	115
120																24.5	123.1	67,000 *	35.1	132.1	67,800	120
130																			18.6	111.6	61,200	130



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**Liftcrane Luffing Jib Capacities**

Luffing Jib No. 133 or No. 133A On
 Boom No. 44 With Heavy Lift Top
 248,700 Lb. Crane Counterweight
 120,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

M-250 SERIES 3**90 Ft. Boom, 90 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
36	74.7	186.6	172,600 *b																			36
38	73.4	186.0	167,300 *b																			38
40	72.1	185.4	160,900 *b																			40
45	68.7	183.5	146,700 *b																			45
50	65.2	181.3	134,400 *	70.7	183.9	154,500 *b																50
55	61.6	178.7	119,600 *	67.3	181.9	141,500 *b																55
60	57.9	175.7	106,000 *	63.8	179.6	129,500 *	67.1	181.0	140,700 *b													60
65	54.0	172.2	95,000 *	60.1	176.8	113,900 *	63.6	178.7	128,700 *													65
70	49.9	168.2	85,900 *	56.4	173.6	101,400 *	60.0	175.9	113,500 *													70
75	45.5	163.5	78,300 *	52.4	169.9	91,200 *	56.2	172.7	101,200 *	62.0	175.7	121,900 *										75
80	40.8	158.0	71,800 *	48.2	165.7	82,800 *	52.2	169.0	91,100 *	58.3	172.7	107,900 *										80
85	35.6	151.5	66,100 *	43.7	160.7	75,600 *	48.0	164.7	82,600 *	54.5	169.3	96,600 *										85
90	29.5	143.4	61,200 *	38.8	154.8	69,500 *	43.5	159.6	75,500 *	50.4	165.3	87,300 *	56.5	168.6	101,500							90
95	22.0	132.6	56,900 *	33.3	147.7	64,100 *	38.6	153.7	69,400 *	46.1	160.7	79,400 *	52.6	164.9	92,000 *							95
100	9.6	113.9	52,400 *	26.8	138.8	59,500 *	33.0	146.6	64,100 *	41.4	155.3	72,800 *	48.4	160.7	83,400 *							100
105				18.1	126.2	55,300 *	26.4	137.5	59,400 *	36.3	149.0	67,000 *	43.9	155.8	76,200 *	50.4	159.6	81,700				105
110							17.6	124.6	55,300 *	30.3	141.1	62,000 *	39.1	149.9	70,000 *	46.1	155.0	77,100				110
115										23.0	130.8	57,600 *	33.6	142.9	64,600 *	41.5	149.7	72,900 *	48.0	153.2	71,100	115
120										11.9	114.0	53,700 *	27.1	134.1	59,900 *	36.3	143.3	67,100 *	43.5	148.2	67,400	120
130																23.1	125.1	57,700 *	33.0	135.1	61,000	130
140																			17.5	113.1	55,400 *	140



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 248,700 Lb. Crane Counterweight
 120,000 Lb. Carbody Counterweight
 360 Degree Rating

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 With The Intent To Be In
 The Scope of ANSI B30.5

M-250 SERIES 3**90 Ft. Boom, 100 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
38	75.1	196.5	156,700 *b																			38
40	73.9	195.9	153,300 *b																			40
45	70.9	194.2	143,400 *b																			45
50	67.8	192.3	131,800 *																			50
55	64.7	190.0	119,700 *	69.7	192.7	138,600 *b																55
60	61.4	187.4	106,100 *	66.6	190.7	127,700 *																60
65	58.1	184.4	95,000 *	63.4	188.2	114,000 *	66.4	189.8	127,200 *													65
70	54.6	180.9	85,900 *	60.1	185.5	101,500 *	63.2	187.3	113,600 *													70
75	51.0	177.0	78,200 *	56.7	182.3	91,200 *	60.0	184.5	101,200 *													75
80	47.2	172.6	71,600 *	53.2	178.7	82,700 *	56.6	181.4	91,000 *	61.8	184.3	107,900 *										80
85	43.1	167.5	66,000 *	49.5	174.6	75,500 *	53.0	177.7	82,500 *	58.5	181.4	96,600 *										85
90	38.6	161.5	61,100 *	45.6	169.9	69,300 *	49.3	173.6	75,400 *	55.1	178.0	87,200 *										90
95	33.7	154.5	56,700 *	41.3	164.5	64,000 *	45.4	168.9	69,200 *	51.4	174.2	79,300 *	56.9	177.3	92,000 *							95
100	27.9	145.9	52,900 *	36.7	158.2	59,300 *	41.1	163.4	63,900 *	47.6	169.8	72,600 *	53.4	173.7	83,400 *							100
105	20.8	134.4	49,400 *	31.5	150.6	55,200 *	36.5	157.0	59,300 *	43.6	164.8	66,900 *	49.7	169.6	76,100 *							105
110	9.1	114.7	45,800 *	25.3	141.0	51,500 *	31.2	149.4	55,100 *	39.2	158.9	61,900 *	45.8	165.0	69,900 *	51.5	168.5	76,600				110
115				17.2	127.7	48,200 *	25.0	139.7	51,500 *	34.3	152.1	57,500 *	41.5	159.6	64,500 *	47.7	164.1	72,400				115
120							16.7	126.1	48,200 *	28.7	143.7	53,500 *	36.9	153.3	59,800 *	43.6	159.1	67,000 *				120
130										11.2	115.0	46,900 *	25.7	136.4	51,900 *	34.3	146.4	57,500 *	41.1	152.0	60,400	130
140																21.8	127.0	50,100 *	31.2	137.9	55,000	140
150																			16.6	114.5	48,300 *	150



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Luffing Jib No. 133 or No. 133A On
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 248,700 Lb. Crane Counterweight
 120,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
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 The Scope of ANSI B30.5

M-250 SERIES 3**90 Ft. Boom, 110 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
40	75.4	206.3	145,000 *b																			40
45	72.7	204.8	138,500 *b																			45
50	69.9	203.0	128,600 *																			50
55	67.1	201.0	119,000 *																			55
60	64.3	198.7	109,200 *	68.8	201.5	125,000 *																60
65	61.3	196.0	97,700 *	66.0	199.4	115,900 *																65
70	58.3	193.0	88,200 *	63.1	196.9	104,400 *	65.9	198.5	115,600 *													70
75	55.1	189.7	80,300 *	60.1	194.1	93,800 *	63.0	196.0	104,000 *													75
80	51.9	185.9	73,500 *	57.0	191.0	85,000 *	60.0	193.2	93,500 *													80
85	48.4	181.6	67,700 *	53.8	187.5	77,500 *	56.9	190.1	84,700 *	61.7	193.0	99,300 *										85
90	44.8	176.8	62,600 *	50.5	183.5	71,200 *	53.7	186.5	77,400 *	58.6	190.0	89,600 *										90
95	40.9	171.2	58,200 *	47.0	179.0	65,600 *	50.4	182.5	71,000 *	55.5	186.7	81,400 *										95
100	36.7	164.9	54,200 *	43.3	173.9	60,800 *	46.9	178.0	65,500 *	52.3	183.0	74,500 *	57.2	186.0	85,600 *							100
105	32.0	157.4	50,700 *	39.3	168.1	56,600 *	43.1	172.9	60,700 *	48.9	178.8	68,600 *	54.0	182.5	78,100 *							105
110	26.6	148.2	47,500 *	34.9	161.3	52,800 *	39.1	167.0	56,500 *	45.3	174.0	63,400 *	50.7	178.5	71,600 *							110
115	19.8	136.2	44,600 *	30.0	153.2	49,400 *	34.7	160.2	52,700 *	41.4	168.6	58,900 *	47.2	174.1	66,100 *	52.3	177.3	71,900				115
120	8.6	115.4	38,500 *	24.1	143.2	46,400 *	29.7	152.0	49,400 *	37.3	162.3	54,900 *	43.5	169.0	61,200 *	48.9	173.1	68,200				120
130							15.9	127.4	43,600 *	27.3	146.1	48,000 *	35.1	156.5	53,100 *	41.4	162.9	58,900 *	46.8	166.6	59,900	130
140										10.7	115.9	42,500 *	24.4	138.5	46,700 *	32.7	149.3	51,300 *	39.1	155.5	54,600	140
150																20.8	128.9	45,200 *	29.7	140.6	49,400 *	150
160																			15.8	115.8	43,600 *	160



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 248,700 Lb. Crane Counterweight
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 360 Degree Rating

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M-250 SERIES 3**90 Ft. Boom, 120 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	74.2	215.3	129,400 *b																			45
50	71.7	213.7	124,000 *																			50
55	69.1	211.8	116,500 *																			55
60	66.5	209.7	108,400 *	70.7	212.2	122,200 *																60
65	63.9	207.3	97,400 *	68.1	210.3	113,700 *																65
70	61.2	204.7	87,900 *	65.5	208.1	104,100 *	68.0	209.4	113,400 *													70
75	58.4	201.7	80,000 *	62.8	205.6	93,500 *	65.4	207.2	103,700 *													75
80	55.5	198.4	73,200 *	60.1	202.8	84,600 *	62.7	204.7	93,200 *													80
85	52.6	194.7	67,300 *	57.3	199.7	77,200 *	60.0	201.9	84,400 *													85
90	49.5	190.5	62,200 *	54.4	196.2	70,800 *	57.2	198.7	77,000 *	61.5	201.6	89,200 *										90
95	46.2	185.9	57,800 *	51.4	192.3	65,300 *	54.2	195.2	70,600 *	58.8	198.7	81,100 *										95
100	42.8	180.7	53,800 *	48.2	188.0	60,400 *	51.2	191.4	65,100 *	55.9	195.4	74,100 *										100
105	39.1	174.8	50,300 *	44.9	183.2	56,200 *	48.1	187.0	60,300 *	52.9	191.8	68,200 *	57.4	194.7	77,700 *							105
110	35.1	168.1	47,100 *	41.4	177.7	52,400 *	44.7	182.1	56,100 *	49.9	187.7	63,000 *	54.5	191.2	71,300 *							110
115	30.6	160.1	44,200 *	37.5	171.5	49,000 *	41.2	176.7	52,300 *	46.6	183.1	58,500 *	51.5	187.4	65,700 *							115
120	25.4	150.5	41,600 *	33.4	164.3	46,000 *	37.4	170.4	49,000 *	43.2	178.0	54,400 *	48.4	183.1	60,800 *	53.0	186.1	67,700 *				120
130	8.2	116.1	34,100 *	23.0	145.2	40,700 *	28.4	154.6	43,200 *	35.6	165.6	47,600 *	41.5	172.8	52,700 *	46.7	177.4	58,500 *				130
140							15.1	128.7	38,400 *	26.1	148.4	42,100 *	33.6	159.5	46,200 *	39.6	166.5	50,900 *	44.7	170.7	54,000 *	140
150										10.2	116.7	37,400 *	23.3	140.6	40,900 *	31.2	152.1	44,800 *	37.3	158.9	49,000 *	150
160																19.9	130.6	39,700 *	28.4	143.1	43,200 *	160
170																			15.0	117.1	38,400 *	170



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360 Degree Rating**

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With The Intent To Be In
The Scope of ANSI B30.5**

M-250 SERIES 3**90 Ft. Boom, 130 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	75.4	225.6	120,000 *																			45
50	73.1	224.2	115,300 *																			50
55	70.8	222.5	110,600 *																			55
60	68.5	220.6	105,800 *																			60
65	66.1	218.4	98,200 *	69.9	221.0	110,200 *																65
70	63.6	216.0	88,500 *	67.5	219.0	103,700 *																70
75	61.1	213.3	80,400 *	65.1	216.8	94,200 *	67.4	218.1	103,400 *													75
80	58.5	210.4	73,600 *	62.6	214.2	85,200 *	65.0	215.9	93,900 *													80
85	55.9	207.1	67,600 *	60.1	211.5	77,600 *	62.5	213.3	84,900 *													85
90	53.2	203.4	62,500 *	57.5	208.4	71,100 *	60.0	210.5	77,400 *													90
95	50.3	199.4	57,900 *	54.8	204.9	65,500 *	57.4	207.4	71,000 *	61.4	210.3	81,600 *										95
100	47.4	195.0	53,900 *	52.1	201.1	60,600 *	54.7	204.0	65,400 *	58.9	207.4	74,500 *										100
105	44.3	190.0	50,400 *	49.2	197.0	56,300 *	51.9	200.2	60,500 *	56.2	204.1	68,500 *										105
110	41.0	184.5	47,200 *	46.2	192.3	52,500 *	49.1	196.0	56,200 *	53.5	200.5	63,200 *	57.6	203.3	71,600 *							110
115	37.5	178.2	44,300 *	43.0	187.1	49,100 *	46.0	191.3	52,400 *	50.7	196.5	58,600 *	55.0	199.9	66,000 *							115
120	33.6	171.1	41,700 *	39.6	181.3	46,000 *	42.9	186.1	49,000 *	47.8	192.2	54,600 *	52.2	196.2	61,000 *							120
130	24.4	152.6	37,100 *	32.0	167.2	40,700 *	35.8	173.7	43,200 *	41.4	181.8	47,700 *	46.3	187.4	52,800 *	50.7	190.9	58,700 *				130
140	7.9	116.7	30,500 *	22.1	147.1	36,300 *	27.2	157.0	38,400 *	34.1	168.6	42,100 *	39.8	176.5	46,300 *	44.7	181.6	51,000 *				140
150							14.5	130.0	34,300 *	25.0	150.6	37,500 *	32.2	162.4	41,000 *	38.0	170.0	44,800 *	42.8	174.7	49,100 *	150
160										9.8	117.5	33,500 *	22.4	142.5	36,500 *	29.9	154.8	39,700 *	35.8	162.2	43,300 *	160
170																19.0	132.2	35,500 *	27.2	145.5	38,400 *	170
180																			14.4	118.4	34,400 *	180

**A.I.S.C. Certified Erector****PCI P.C.I. Qualified Erector**

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Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Luffing Jib Capacities**

Luffing Jib No. 133 or No. 133A On
 Boom No. 44 With Heavy Lift Top
 248,700 Lb. Crane Counterweight
 120,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

M-250 SERIES 3**90 Ft. Boom, 140 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	74.4	234.6	108,100 *																			50
55	72.2	233.1	104,000 *																			55
60	70.1	231.3	100,000 *																			60
65	67.9	229.3	96,200 *																			65
70	65.6	227.1	88,100 *	69.2	229.8	99,700 *																70
75	63.4	224.7	80,000 *	67.0	227.8	93,800 *																75
80	61.0	222.0	73,100 *	64.7	225.5	84,800 *	66.9	226.9	93,500 *													80
85	58.6	219.0	67,200 *	62.4	222.9	77,200 *	64.6	224.6	84,500 *													85
90	56.2	215.8	62,000 *	60.1	220.1	70,700 *	62.3	222.0	77,000 *													90
95	53.7	212.2	57,500 *	57.7	217.0	65,100 *	60.0	219.2	70,500 *													95
100	51.1	208.3	53,500 *	55.2	213.6	60,200 *	57.6	216.1	65,000 *	61.3	219.0	74,100 *										100
105	48.4	204.0	49,900 *	52.7	209.9	55,900 *	55.1	212.7	60,100 *	58.9	216.0	68,100 *										105
110	45.6	199.2	46,700 *	50.0	205.9	52,100 *	52.5	209.0	55,800 *	56.5	212.8	62,800 *										110
115	42.6	193.9	43,800 *	47.3	201.4	48,600 *	49.9	204.9	52,000 *	54.0	209.3	58,200 *	57.8	212.0	65,500 *							115
120	39.4	188.1	41,200 *	44.4	196.4	45,600 *	47.1	200.4	48,600 *	51.4	205.4	54,100 *	55.3	208.6	60,600 *							120
130	32.4	174.0	36,600 *	38.1	184.8	40,200 *	41.2	189.9	42,700 *	45.9	196.4	47,200 *	50.2	200.9	52,400 *							130
140	23.5	154.7	32,700 *	30.8	169.9	35,800 *	34.5	176.8	37,900 *	39.8	185.5	41,600 *	44.5	191.5	45,800 *	48.7	195.4	50,600 *				140
150	7.6	117.3	27,000 *	21.3	149.0	32,100 *	26.2	159.3	33,800 *	32.8	171.6	37,000 *	38.3	180.0	40,500 *	43.0	185.5	44,400 *	47.1	188.9	48,600 *	150
160																						160
170							14.0	131.2	30,400 *	24.1	152.7	33,100 *	31.0	165.2	36,000 *	36.5	173.3	39,300 *	41.2	178.4	42,800 *	170
180										9.4	118.3	29,700 *	21.5	144.4	32,300 *	28.8	157.4	35,000 *	34.4	165.3	38,000 *	180
190																18.3	133.8	31,400 *	26.2	147.8	33,900 *	190



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Boom No. 44 With Heavy Lift Top
248,700 Lb. Crane Counterweight
120,000 Lb. Carbody Counterweight
360 Degree Rating**

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

M-250 SERIES 3**90 Ft. Boom, 150 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	75.4	245.0	103,300 *																			50
55	73.5	243.6	99,700 *																			55
60	71.4	241.9	96,300 *																			60
65	69.4	240.1	93,000 *																			65
70	67.4	238.1	89,100 *	70.6	240.5	95,800 *																70
75	65.3	235.8	80,800 *	68.6	238.6	92,700 *																75
80	63.1	233.4	73,800 *	66.5	236.5	85,700 *																80
85	61.0	230.7	67,800 *	64.4	234.1	78,000 *	66.4	235.6	85,400 *													85
90	58.7	227.7	62,600 *	62.3	231.6	71,400 *	64.3	233.2	77,700 *													90
95	56.5	224.5	58,000 *	60.1	228.8	65,700 *	62.2	230.7	71,200 *													95
100	54.1	220.9	53,900 *	57.8	225.7	60,700 *	60.0	227.9	65,500 *													100
105	51.7	217.1	50,300 *	55.5	222.4	56,400 *	57.7	224.8	60,600 *	61.2	227.6	68,700 *										105
110	49.2	212.9	47,100 *	53.2	218.7	52,500 *	55.4	221.4	56,200 *	59.0	224.7	63,300 *										110
115	46.6	208.3	44,100 *	50.7	214.7	49,000 *	53.1	217.7	52,400 *	56.7	221.5	58,700 *										115
120	43.9	203.3	41,500 *	48.2	210.4	45,900 *	50.6	213.7	48,900 *	54.4	218.0	54,500 *	57.9	220.7	61,100 *							120
130	38.0	191.5	36,800 *	42.8	200.4	40,500 *	45.4	204.6	43,000 *	49.5	210.0	47,600 *	53.3	213.7	52,800 *							130
140	31.2	176.8	32,900 *	36.8	188.2	36,000 *	39.7	193.5	38,100 *	44.3	200.5	41,900 *	48.3	205.4	46,100 *	52.0	208.5	50,900 *				140
150	22.6	156.7	29,400 *	29.7	172.6	32,200 *	33.2	179.8	33,900 *	38.4	189.0	37,200 *	42.9	195.5	40,700 *	47.0	199.8	44,600 *				150
160	7.3	117.9	22,700 *	20.5	150.8	28,800 *	25.3	161.5	30,300 *	31.7	174.4	33,100 *	36.9	183.3	36,200 *	41.4	189.4	39,500 *	45.4	193.1	43,100 *	160
170							13.5	132.3	27,100 *	23.2	154.8	29,600 *	29.9	167.9	32,200 *	35.2	176.5	35,100 *	39.7	182.1	38,100 *	170
180										9.0	119.1	26,400 *	20.8	146.3	28,800 *	27.8	159.8	31,300 *	33.2	168.3	33,900 *	180
190																17.7	135.4	28,000 *	25.2	150.0	30,300 *	190
200																			13.4	120.7	27,000 *	200



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 120,000 Lb. Carbody Counterweight
 360 Degree Rating

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 The Scope of ANSI B30.5

M-250 SERIES 3**90 Ft. Boom, 160 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
55	74.5	254.0	93,600 *																			55
60	72.6	252.5	90,500 *																			60
65	70.8	250.8	87,400 *																			65
70	68.8	248.9	84,500 *																			70
75	66.9	246.8	80,300 *	70.0	249.3	87,000 *																75
80	64.9	244.5	73,300 *	68.1	247.4	84,300 *																80
85	62.9	242.0	67,300 *	66.1	245.2	77,500 *	68.0	246.5	83,800 *													85
90	60.9	239.3	62,100 *	64.1	242.8	70,900 *	66.0	244.3	77,200 *													90
95	58.8	236.4	57,500 *	62.1	240.2	65,200 *	64.1	241.9	70,700 *													95
100	56.7	233.2	53,400 *	60.1	237.4	60,200 *	62.0	239.3	65,000 *													100
105	54.5	229.7	49,800 *	58.0	234.4	55,800 *	60.0	236.5	60,100 *													105
110	52.3	225.9	46,500 *	55.8	231.1	52,000 *	57.9	233.4	55,700 *	61.1	236.3	62,800 *										110
115	49.9	221.8	43,600 *	53.6	227.5	48,500 *	55.7	230.1	51,800 *	59.1	233.4	58,100 *										115
120	47.5	217.3	40,900 *	51.4	223.6	45,400 *	53.5	226.5	48,400 *	57.0	230.2	54,000 *										120
130	42.4	207.2	36,300 *	46.6	214.7	40,000 *	48.9	218.3	42,500 *	52.5	223.0	47,000 *	55.9	226.1	52,200 *							130
140	36.8	194.9	32,400 *	41.4	204.2	35,500 *	43.9	208.7	37,600 *	47.8	214.5	41,400 *	51.5	218.6	45,600 *							140
150	30.2	179.5	29,100 *	35.5	191.4	31,700 *	38.4	197.0	33,500 *	42.8	204.5	36,700 *	46.7	209.8	40,200 *	50.2	213.2	44,100 *				150
160	21.9	158.6	26,000 *	28.7	175.2	28,400 *	32.1	182.6	29,900 *	37.1	192.3	32,700 *	41.5	199.3	35,700 *	45.4	204.0	39,000 *				160
170	7.1	118.5	20,000 *	19.8	152.5	25,500 *	24.5	163.7	26,800 *	30.6	177.2	29,200 *	35.7	186.5	31,800 *	40.1	193.0	34,600 *	43.9	197.2	37,600 *	170
180							13.0	133.5	23,900 *	22.5	156.7	26,100 *	28.9	170.4	28,400 *	34.0	179.5	30,900 *	38.4	185.6	33,500 *	180
190										8.7	119.8	23,300 *	20.1	148.0	25,500 *	26.9	162.2	27,600 *	32.1	171.2	29,900 *	190
200																17.1	136.9	24,700 *	24.4	152.2	26,700 *	200
210																			12.9	121.8	23,900 *	210



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Luffing Jib No. 133 or No. 133A On
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 248,700 Lb. Crane Counterweight
 120,000 Lb. Carbody Counterweight
 360 Degree Rating

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 With The Intent To Be In
 The Scope of ANSI B30.5

90 Ft. Boom, 170 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
55	75.5	264.4	86,800 *																			55
60	73.7	263.0	84,000 *																			60
65	71.9	261.4	81,300 *																			65
70	70.1	259.6	78,600 *																			70
75	68.3	257.7	76,000 *																			75
80	66.5	255.5	73,100 *	69.4	258.1	78,300 *																80
85	64.7	253.2	67,700 *	67.6	256.1	75,500 *																85
90	62.8	250.7	62,400 *	65.8	253.9	71,300 *	67.5	255.2	75,100 *													90
95	60.8	248.0	57,700 *	63.9	251.5	65,500 *	65.7	253.0	71,100 *													95
100	58.9	245.0	53,600 *	62.0	248.9	60,500 *	63.8	250.6	65,400 *													100
105	56.9	241.8	49,900 *	60.1	246.1	56,000 *	61.9	248.0	60,300 *													105
110	54.8	238.4	46,600 *	58.1	243.0	52,100 *	60.0	245.2	55,900 *	63.0	247.6	63,100 *										110
115	52.7	234.7	43,600 *	56.1	239.8	48,600 *	58.0	242.1	52,000 *	61.1	244.9	58,400 *										115
120	50.6	230.7	40,900 *	54.0	236.2	45,400 *	56.0	238.8	48,500 *	59.1	242.0	54,200 *										120
130	46.0	221.6	36,200 *	49.7	228.2	39,900 *	51.8	231.4	42,500 *	55.1	235.4	47,100 *										130
140	41.1	210.9	32,300 *	45.1	218.9	35,400 *	47.3	222.7	37,500 *	50.8	227.8	41,300 *	54.1	231.2	45,600 *							140
150	35.6	198.1	28,900 *	40.1	207.8	31,600 *	42.5	212.6	33,400 *	46.3	218.8	36,600 *	49.8	223.3	40,200 *	53.0	226.1	44,100 *				150
160	29.3	182.1	25,900 *	34.4	194.5	28,300 *	37.2	200.4	29,800 *	41.4	208.3	32,600 *	45.2	214.0	35,600 *	48.6	217.8	38,900 *				160
170	21.2	160.5	23,200 *	27.8	177.6	25,400 *	31.1	185.4	26,700 *	36.0	195.6	29,100 *	40.2	203.0	31,700 *	43.9	208.1	34,500 *	47.3	211.3	37,600 *	170
180	6.8	119.1	17,800 *	19.2	154.2	22,800 *	23.7	165.8	23,900 *	29.7	179.8	26,000 *	34.6	189.7	28,300 *	38.8	196.6	30,800 *	42.5	201.1	33,300 *	180
190							12.6	134.5	21,400 *	21.8	158.7	23,400 *	28.0	172.9	25,400 *	33.0	182.5	27,500 *	37.2	188.9	29,700 *	190
200										8.5	120.5	20,900 *	19.5	149.7	22,800 *	26.0	164.5	24,700 *	31.1	174.0	26,600 *	200
210																16.6	138.3	22,100 *	23.7	154.3	23,900 *	210
220																			12.5	122.9	21,400 *	220



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 360 Degree Rating

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 The Scope of ANSI B30.5

M-250 SERIES 3**90 Ft. Boom, 180 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
60	74.6	273.4	79,000 *																			60
65	73.0	271.9	76,500 *																			65
70	71.3	270.2	74,000 *																			70
75	69.6	268.4	71,300 *																			75
80	67.9	266.4	68,200 *	70.6	268.8	73,500 *																80
85	66.2	264.3	65,300 *	68.9	266.9	70,400 *																85
90	64.4	261.9	61,800 *	67.2	264.8	67,500 *																90
95	62.6	259.4	57,200 *	65.5	262.6	64,700 *	67.1	264.0	67,200 *													95
100	60.8	256.6	53,000 *	63.7	260.2	59,900 *	65.4	261.7	64,400 *													100
105	59.0	253.7	49,300 *	61.9	257.6	55,500 *	63.6	259.3	59,800 *													105
110	57.1	250.5	46,000 *	60.1	254.8	51,500 *	61.8	256.7	55,400 *													110
115	55.1	247.1	43,100 *	58.2	251.7	48,000 *	60.0	253.8	51,400 *	62.8	256.3	57,800 *										115
120	53.2	243.4	40,400 *	56.3	248.4	44,900 *	58.1	250.8	47,900 *	61.0	253.6	53,600 *										120
130	49.0	235.3	35,700 *	52.4	241.2	39,400 *	54.3	244.0	41,900 *	57.3	247.5	46,500 *										130
140	44.7	225.7	31,700 *	48.2	232.7	34,900 *	50.2	236.1	37,000 *	53.4	240.5	40,800 *	56.4	243.4	45,100 *							140
150	39.9	214.6	28,400 *	43.7	222.9	31,000 *	45.9	227.0	32,800 *	49.3	232.4	36,000 *	52.5	236.2	39,600 *							150
160	34.6	201.2	25,400 *	38.9	211.4	27,800 *	41.3	216.3	29,300 *	44.9	223.0	32,000 *	48.3	227.8	35,100 *	51.4	230.9	38,400 *				160
170	28.4	184.6	22,800 *	33.4	197.5	24,900 *	36.1	203.7	26,200 *	40.2	211.9	28,600 *	43.9	218.0	31,200 *	47.2	222.2	34,000 *				170
180	20.6	162.3	20,500 *	27.0	180.0	22,400 *	30.2	188.1	23,500 *	34.9	198.7	25,600 *	39.0	206.5	27,900 *	42.6	212.0	30,300 *	45.9	215.6	32,900 *	180
190	6.6	119.6	15,600 *	18.7	155.8	20,100 *	23.0	167.8	21,100 *	28.8	182.4	23,000 *	33.6	192.7	25,000 *	37.7	200.0	27,100 *	41.2	204.9	29,300 *	190
200							12.3	135.6	18,800 *	21.2	160.5	20,600 *	27.2	175.3	22,400 *	32.0	185.4	24,200 *	36.1	192.2	26,200 *	200
210										8.2	121.2	18,400 *	18.9	151.4	20,100 *	25.3	166.8	21,700 *	30.2	176.7	23,500 *	210
220																16.1	139.7	19,500 *	23.0	156.3	21,000 *	220
230																			12.2	123.9	18,800 *	230



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Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Luffing Jib Capacities**

Luffing Jib No. 133 or No. 133A On
 Boom No. 44 With Heavy Lift Top
 248,700 Lb. Crane Counterweight
 120,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

M-250 SERIES 3**90 Ft. Boom, 190 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
60	75.5	283.7	74,200 *																			60
65	73.9	282.3	72,000 *																			65
70	72.3	280.8	69,400 *																			70
75	70.7	279.1	66,700 *																			75
80	69.1	277.2	63,900 *																			80
85	67.5	275.2	61,200 *	70.1	277.6	65,800 *																85
90	65.8	273.0	58,500 *	68.5	275.7	63,200 *																90
95	64.2	270.6	55,800 *	66.8	273.6	60,500 *																95
100	62.5	268.0	52,500 *	65.2	271.3	57,800 *	66.8	272.7	60,200 *													100
105	60.8	265.3	48,800 *	63.5	268.9	55,000 *	65.1	270.4	57,600 *													105
110	59.0	262.4	45,500 *	61.8	266.2	51,100 *	63.4	268.0	54,900 *													110
115	57.2	259.2	42,600 *	60.1	263.4	47,500 *	61.7	265.3	50,900 *													115
120	55.4	255.8	39,900 *	58.3	260.4	44,400 *	60.0	262.5	47,400 *	62.7	265.0	53,100 *										120
130	51.6	248.3	35,200 *	54.7	253.7	38,900 *	56.4	256.2	41,400 *	59.2	259.3	46,000 *										130
140	47.7	239.7	31,200 *	50.9	246.0	34,400 *	52.7	249.0	36,500 *	55.6	252.9	40,300 *										140
150	43.4	229.7	27,900 *	46.8	237.1	30,500 *	48.8	240.7	32,300 *	51.9	245.4	35,500 *	54.8	248.7	39,100 *							150
160	38.8	218.1	24,900 *	42.5	226.8	27,300 *	44.6	231.1	28,800 *	47.9	236.9	31,500 *	51.0	241.0	34,600 *							160
170	33.6	204.3	22,400 *	37.8	214.8	24,400 *	40.1	220.0	25,800 *	43.7	227.0	28,100 *	46.9	232.1	30,700 *	49.9	235.6	33,500 *				170
180	27.6	187.1	20,100 *	32.5	200.4	22,000 *	35.1	206.8	23,100 *	39.1	215.5	25,200 *	42.6	221.9	27,400 *	45.8	226.4	29,800 *				180
190	20.0	164.0	18,000 *	26.3	182.4	19,700 *	29.4	190.8	20,700 *	33.9	201.8	22,500 *	37.9	210.0	24,500 *	41.4	215.8	26,600 *	44.6	219.7	28,800 *	190
200	6.4	120.2	13,500 *	18.2	157.4	17,600 *	22.4	169.8	18,500 *	28.0	184.9	20,200 *	32.6	195.6	22,000 *	36.6	203.3	23,800 *	40.1	208.6	25,700 *	200
210							11.9	136.6	16,500 *	20.6	162.3	18,100 *	26.4	177.7	19,700 *	31.1	188.2	21,300 *	35.1	195.4	23,000 *	210
220										8.0	121.9	16,100 *	18.4	153.0	17,600 *	24.6	168.9	19,100 *	29.4	179.3	20,600 *	220
230																15.6	141.1	17,100 *	22.3	158.3	18,500 *	230
240																			11.8	125.0	16,500 *	240



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 360 Degree Rating

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M-250 SERIES 3**90 Ft. Boom, 200 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
65	74.7	292.7	66,200 *																			65
70	73.2	291.3	64,500 *																			70
75	71.7	289.7	62,000 *																			75
80	70.2	287.9	59,300 *																			80
85	68.7	286.0	56,700 *																			85
90	67.1	283.9	54,000 *	69.6	286.4	58,500 *																90
95	65.6	281.7	51,500 *	68.1	284.4	56,000 *																95
100	64.0	279.3	49,000 *	66.5	282.3	53,400 *	68.0	283.6	55,500 *													100
105	62.4	276.7	46,500 *	64.9	280.0	50,900 *	66.4	281.4	53,100 *													105
110	60.7	274.0	44,200 *	63.3	277.5	48,400 *	64.8	279.1	50,700 *													110
115	59.1	271.0	41,900 *	61.7	274.9	46,000 *	63.3	276.6	48,200 *													115
120	57.4	267.9	39,300 *	60.1	272.1	43,600 *	61.6	274.0	45,900 *													120
130	53.9	260.9	34,600 *	56.7	265.8	38,300 *	58.3	268.1	40,900 *	60.9	270.9	44,700 *										130
140	50.2	253.0	30,700 *	53.2	258.7	33,800 *	54.9	261.4	35,900 *	57.6	264.9	39,700 *										140
150	46.4	244.0	27,300 *	49.5	250.6	30,000 *	51.3	253.8	31,800 *	54.1	258.0	35,000 *	56.8	260.8	38,600 *							150
160	42.2	233.6	24,400 *	45.6	241.3	26,700 *	47.5	245.1	28,300 *	50.5	250.2	31,000 *	53.3	253.7	34,000 *							160
170	37.7	221.5	21,900 *	41.4	230.6	23,900 *	43.4	235.1	25,200 *	46.6	241.2	27,600 *	49.6	245.6	30,200 *	52.3	248.5	32,900 *				170
180	32.7	207.2	19,600 *	36.8	218.2	21,400 *	39.0	223.6	22,600 *	42.5	230.9	24,600 *	45.7	236.4	26,900 *	48.6	240.1	29,300 *				180
190	26.9	189.5	17,600 *	31.6	203.2	19,200 *	34.2	209.9	20,200 *	38.0	219.0	22,100 *	41.5	225.7	24,000 *	44.6	230.6	26,100 *	47.4	233.7	28,300 *	190
200	19.5	165.7	15,700 *	25.6	184.6	17,200 *	28.6	193.3	18,100 *	33.1	204.8	19,700 *	36.9	213.3	21,500 *	40.3	219.5	23,300 *	43.4	223.7	25,300 *	200
210	6.3	120.7	11,600 *	17.7	159.0	15,400 *	21.8	171.7	16,200 *	27.3	187.3	17,700 *	31.8	198.5	19,200 *	35.6	206.5	20,900 *	39.0	212.1	22,600 *	210
220							11.6	137.6	14,400 *	20.0	164.1	15,800 *	25.8	180.0	17,200 *	30.3	190.9	18,700 *	34.2	198.5	20,200 *	220
230										7.8	122.5	14,000 *	17.9	154.5	15,300 *	23.9	171.1	16,700 *	28.6	181.8	18,100 *	230
240																15.2	142.4	14,900 *	21.8	160.2	16,100 *	240
250																11.5	125.9	14,300 *	11.5	125.9	14,300 *	250



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	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
38	68.7	174.9	175,800 *b																			38
40	66.9	174.0	169,100 *b																			40
45	62.4	171.6	153,900 *b																			45
50	57.6	168.6	136,700 *b	65.9	172.7	164,200 *b																50
55	52.5	164.9	119,500 *	61.3	170.1	149,900 *b	66.2	172.0	173,100 *b													55
60	47.1	160.5	105,900 *	56.5	167.0	132,500 *b	61.6	169.4	155,600 *b													60
65	41.1	155.2	94,900 *	51.4	163.2	116,200 *	56.8	166.3	134,000 *b													65
70	34.2	148.5	85,900 *	45.8	158.6	103,300 *	51.7	162.6	117,400 *	60.4	166.6	142,100 b										70
75	25.8	139.4	78,200 *	39.7	153.0	92,800 *	46.1	158.0	104,300 *	55.5	163.4	129,300 *										75
80	12.6	124.1	71,700 *	32.5	145.9	84,100 *	40.0	152.5	93,700 *	50.3	159.4	113,700 *										80
85				23.5	136.0	76,700 *	33.0	145.5	84,800 *	44.6	154.7	101,300 *	53.9	159.4	108,500							85
90				6.3	115.8	70,400 *	24.1	135.9	77,400 *	38.3	148.8	91,200 *	48.6	155.3	101,100							90
95							8.4	117.5	71,000 *	30.9	141.2	82,800 *	42.8	150.2	94,600	52.0	154.5	91,900				95
100										21.2	130.5	75,700 *	36.2	143.9	88,500 *	46.5	150.0	86,300				100
105													28.2	135.6	80,500 *	40.5	144.6	81,300				105
110													17.1	123.0	73,700 *	33.5	137.7	76,700	44.0	143.6	74,600	110
115																24.8	128.3	72,600	37.6	137.6	70,600	115
120																10.4	111.5	68,700	30.1	129.9	66,900	120



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	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
38	71.5	185.6	171,700 *b																			38
40	70.0	184.9	165,200 *b																			40
45	66.1	182.8	150,700 *b																			45
50	62.1	180.2	137,500 *b	69.1	183.6	160,700 *b																50
55	57.9	177.2	120,200 *	65.2	181.4	147,100 *b																55
60	53.5	173.7	106,500 *	61.2	178.8	133,300 *b	65.4	180.7	155,300 *b													60
65	48.9	169.5	95,400 *	56.9	175.7	116,900 *	61.4	178.1	134,800 *b													65
70	43.8	164.6	86,200 *	52.5	172.0	103,800 *	57.2	175.0	118,100 *													70
75	38.3	158.7	78,600 *	47.8	167.7	93,200 *	52.8	171.4	104,800 *	60.3	175.3	129,900										75
80	31.9	151.3	72,000 *	42.7	162.6	84,500 *	48.1	167.1	94,100 *	56.1	172.1	114,300 *										80
85	24.0	141.5	66,400 *	36.9	156.4	77,100 *	43.0	162.0	85,200 *	51.6	168.3	101,800 *										85
90	11.7	125.1	61,400 *	30.3	148.6	70,700 *	37.3	155.9	77,700 *	46.8	163.8	91,600 *	54.7	168.2	100,600							90
95				21.9	138.0	65,200 *	30.7	148.2	71,300 *	41.5	158.5	83,100 *	50.1	164.2	94,100							95
100				5.8	116.2	60,400 *	22.4	137.8	65,700 *	35.7	152.0	75,900 *	45.2	159.5	88,300							100
105							7.8	118.1	60,800 *	28.8	143.8	69,800 *	39.8	153.9	80,800 *	48.4	159.1	80,700				105
110										19.7	132.2	64,400 *	33.7	146.9	74,000 *	43.3	154.1	76,200				110
115													26.3	138.0	68,100 *	37.7	148.0	72,100	46.3	152.8	70,000	115
120													15.9	124.4	63,000 *	31.2	140.5	68,400	41.0	147.4	66,400	120
130																9.7	112.3	61,300 *	28.0	132.3	60,000	130



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M-250 SERIES 3**100 Ft. Boom, 90 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
38	73.6	196.1	167,300 *b																			38
40	72.3	195.5	161,200 *b																			40
45	68.9	193.6	147,400 *b																			45
50	65.4	191.5	135,600 *b																			50
55	61.9	188.9	120,700 *	68.1	192.4	144,200 *b																55
60	58.1	185.9	106,900 *	64.6	190.1	133,000 *																60
65	54.3	182.5	95,700 *	61.0	187.4	117,400 *	64.8	189.4	135,400 *													65
70	50.2	178.5	86,500 *	57.3	184.4	104,200 *	61.2	186.7	118,500 *													70
75	45.9	173.8	78,800 *	53.4	180.8	93,600 *	57.5	183.7	105,200 *													75
80	41.2	168.4	72,200 *	49.3	176.7	84,700 *	53.6	180.2	94,400 *	60.3	183.9	114,800 *										80
85	36.0	162.0	66,500 *	44.9	171.9	77,300 *	49.5	176.1	85,400 *	56.5	180.8	102,200 *										85
90	30.0	154.0	61,500 *	40.1	166.3	70,900 *	45.1	171.3	77,900 *	52.6	177.1	91,900 *										90
95	22.6	143.5	57,200 *	34.7	159.5	65,400 *	40.3	165.7	71,400 *	48.4	172.8	83,300 *	55.3	176.9	93,700							95
100	11.0	126.0	53,300 *	28.5	151.1	60,600 *	35.0	159.1	65,900 *	43.9	167.9	76,100 *	51.3	173.1	87,900							100
105				20.6	139.7	56,300 *	28.9	150.8	61,000 *	39.0	162.1	69,900 *	47.0	168.6	81,000 *							105
110				5.5	116.6	52,500 *	21.1	139.7	56,700 *	33.5	155.0	64,600 *	42.5	163.4	74,200 *	49.8	168.0	75,800				110
115							7.3	118.7	52,800 *	27.0	146.2	59,900 *	37.4	157.3	68,200 *	45.4	163.3	71,700				115
120										18.5	133.8	55,700 *	31.7	149.8	63,100 *	40.7	157.8	68,000	48.0	161.9	65,900	120
130													15.0	125.6	54,500 *	29.4	143.1	61,400 *	38.5	150.9	59,700	130
140																9.1	113.0	53,200 *	26.4	134.7	54,300	140



A.I.S.C. Certified Erector



P.C.I. Qualified Erector

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www.lrwilsonandsons.com

Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Luffing Jib Capacities**

Luffing Jib No. 133 or No. 133A On
 Boom No. 44 With Heavy Lift Top
 248,700 Lb. Crane Counterweight
 120,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

M-250 SERIES 3**100 Ft. Boom, 100 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
38	75.3	206.6	156,000 *b																			38
40	74.1	206.0	152,800 *b																			40
45	71.1	204.3	143,900 *b																			45
50	68.0	202.4	132,600 *																			50
55	64.9	200.1	120,800 *	70.4	203.1	141,000 *b																55
60	61.7	197.6	106,900 *	67.3	201.1	130,400 *																60
65	58.3	194.6	95,700 *	64.2	198.8	117,500 *	67.5	200.4	135,600 *													65
70	54.9	191.2	86,500 *	60.9	196.1	104,300 *	64.4	198.1	118,600 *													70
75	51.3	187.3	78,700 *	57.6	193.0	93,500 *	61.1	195.4	105,200 *													75
80	47.4	182.9	72,100 *	54.1	189.6	84,700 *	57.8	192.4	94,300 *													80
85	43.4	177.9	66,400 *	50.4	185.6	77,200 *	54.3	188.9	85,300 *	60.2	192.6	102,200 *										85
90	38.9	172.0	61,400 *	46.5	181.0	70,800 *	50.6	185.0	77,700 *	56.9	189.5	91,800 *										90
95	34.0	165.0	57,000 *	42.4	175.8	65,200 *	46.8	180.4	71,300 *	53.3	185.9	83,200 *										95
100	28.4	156.5	53,100 *	37.9	169.7	60,400 *	42.6	175.3	65,700 *	49.6	181.8	76,000 *	55.8	185.6	87,400							100
105	21.4	145.4	49,700 *	32.8	162.5	56,100 *	38.2	169.2	60,800 *	45.7	177.1	69,800 *	52.2	181.9	80,900 *							105
110	10.4	126.9	46,500 *	27.0	153.5	52,400 *	33.1	162.1	56,500 *	41.5	171.7	64,400 *	48.5	177.6	74,000 *							110
115				19.5	141.4	49,000 *	27.3	153.2	52,700 *	36.9	165.4	59,700 *	44.5	172.8	68,100 *	50.9	176.9	71,100				115
120				5.1	117.0	45,800 *	20.0	141.4	49,300 *	31.7	157.9	55,500 *	40.1	167.1	62,900 *	47.1	172.4	67,500				120
130										17.5	135.3	48,500 *	30.0	152.5	54,400 *	38.5	161.3	61,000	45.3	166.1	59,100	130
140													14.2	126.9	47,600 *	27.8	145.6	53,100 *	36.4	154.2	53,800	140
150																8.6	113.7	46,500 *	24.9	136.9	49,200	150



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Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Luffing Jib Capacities****M-250 SERIES 3**

Luffing Jib No. 133 or No. 133A On
 Boom No. 44 With Heavy Lift Top
 248,700 Lb. Crane Counterweight
 120,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

100 Ft. Boom, 110 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
40	75.6	216.4	144,200 *b																			40
45	72.9	214.9	138,000 *b																			45
50	70.1	213.2	129,300 *																			50
55	67.3	211.1	119,900 *																			55
60	64.5	208.8	110,100 *	69.5	211.9	127,200 *																60
65	61.5	206.2	98,400 *	66.7	209.8	118,400 *																65
70	58.5	203.2	88,900 *	63.8	207.5	107,300 *	66.9	209.1	122,100 *													70
75	55.4	199.9	80,800 *	60.8	204.8	96,200 *	64.0	206.7	108,200 *													75
80	52.1	196.1	74,000 *	57.8	201.7	87,000 *	61.0	204.1	96,900 *													80
85	48.7	191.9	68,100 *	54.6	198.3	79,200 *	58.0	201.0	87,600 *													85
90	45.1	187.1	63,000 *	51.3	194.4	72,600 *	54.8	197.6	79,800 *	60.2	201.3	94,400 *										90
95	41.2	181.6	58,500 *	47.9	190.1	66,900 *	51.5	193.8	73,100 *	57.2	198.1	85,500 *										95
100	37.0	175.4	54,500 *	44.2	185.1	61,900 *	48.1	189.5	67,400 *	54.0	194.6	78,000 *										100
105	32.4	167.9	50,900 *	40.3	179.5	57,600 *	44.4	184.6	62,300 *	50.6	190.7	71,600 *	56.2	194.3	81,700 *							105
110	27.0	158.9	47,700 *	36.0	173.0	53,700 *	40.5	179.0	57,900 *	47.2	186.2	66,000 *	53.0	190.7	75,900 *							110
115	20.3	147.1	44,800 *	31.2	165.3	50,200 *	36.3	172.5	54,000 *	43.4	181.1	61,200 *	49.6	186.6	69,800 *							115
120	9.9	127.7	40,100 *	25.7	155.8	47,100 *	31.5	164.9	50,500 *	39.5	175.3	56,900 *	46.0	181.9	64,500 *	51.8	185.7	67,000				120
130				4.8	117.3	39,500 *	19.0	143.0	44,500 *	30.2	160.6	49,700 *	38.2	170.6	55,700 *	44.7	176.6	60,500				130
140										16.7	136.7	43,800 *	28.5	155.0	48,700 *	36.6	164.7	54,300 *	43.1	170.1	53,300	140
150													13.5	128.0	43,100 *	26.4	147.9	47,600 *	34.7	157.4	48,700	150
160																8.1	114.4	42,100 *	23.7	139.0	44,800	160



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 248,700 Lb. Crane Counterweight
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 360 Degree Rating

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 With The Intent To Be In
 The Scope of ANSI B30.5

M-250 SERIES 3**100 Ft. Boom, 120 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	74.4	225.4	128,700 *b																			45
50	71.9	223.8	123,500 *																			50
55	69.3	222.0	117,300 *																			55
60	66.7	219.9	109,300 *																			60
65	64.1	217.5	98,100 *	68.7	220.7	115,900 *																65
70	61.4	214.9	88,500 *	66.1	218.6	107,000 *																70
75	58.6	211.9	80,500 *	63.5	216.1	95,900 *	66.3	217.8	107,900 *													75
80	55.8	208.6	73,600 *	60.8	213.4	86,700 *	63.6	215.4	96,600 *													80
85	52.8	204.9	67,700 *	58.0	210.4	78,900 *	60.9	212.7	87,300 *													85
90	49.7	200.8	62,600 *	55.1	207.0	72,300 *	58.1	209.7	79,400 *	62.9	212.7	94,000 *										90
95	46.5	196.2	58,100 *	52.1	203.2	66,500 *	55.3	206.4	72,700 *	60.2	209.9	85,100 *										95
100	43.0	191.1	54,100 *	49.0	199.0	61,600 *	52.3	202.6	67,000 *	57.4	206.8	77,600 *										100
105	39.4	185.3	50,500 *	45.7	194.3	57,200 *	49.2	198.4	61,900 *	54.5	203.4	71,200 *										105
110	35.4	178.6	47,300 *	42.2	189.0	53,300 *	45.9	193.8	57,500 *	51.5	199.5	65,600 *	56.5	203.0	75,600 *							110
115	30.9	170.7	44,400 *	38.5	183.0	49,800 *	42.4	188.5	53,600 *	48.3	195.2	60,700 *	53.6	199.4	69,400 *							115
120	25.8	161.2	41,800 *	34.4	176.1	46,700 *	38.7	182.5	50,100 *	45.0	190.4	56,500 *	50.5	195.4	64,100 *							120
130	9.4	128.5	35,400 *	24.5	158.0	41,300 *	30.1	167.6	44,100 *	37.7	178.8	49,300 *	44.0	186.0	55,300 *	49.4	190.4	60,000				130
140				4.6	117.7	34,900 *	18.2	144.6	39,200 *	28.8	163.2	43,400 *	36.5	173.9	48,300 *	42.7	180.5	53,900 *	48.0	184.2	52,700	140
150										15.9	138.1	38,600 *	27.2	157.4	42,700 *	35.0	167.8	47,200 *	41.1	173.9	48,200	150
160													12.9	129.1	37,900 *	25.3	150.1	41,800 *	33.1	160.4	44,300	160
170																7.7	115.0	37,200 *	22.7	141.0	40,700 *	170



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248,700 Lb. Crane Counterweight
120,000 Lb. Carbody Counterweight
360 Degree Rating**

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With The Intent To Be In
The Scope of ANSI B30.5**

M-250 SERIES 3**100 Ft. Boom, 130 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	75.6	235.7	119,300 *																			45
50	73.3	234.3	114,700 *																			50
55	71.0	232.6	110,300 *																			55
60	68.6	230.7	106,000 *																			60
65	66.2	228.6	98,900 *	70.5	231.4	110,500 *																65
70	63.8	226.2	89,200 *	68.1	229.5	105,700 *																70
75	61.3	223.5	81,000 *	65.7	227.3	96,600 *																75
80	58.7	220.6	74,000 *	63.2	224.8	87,200 *	65.8	226.5	97,400 *													80
85	56.1	217.3	68,000 *	60.7	222.1	79,400 *	63.4	224.1	87,900 *													85
90	53.4	213.7	62,800 *	58.1	219.1	72,600 *	60.9	221.4	79,900 *													90
95	50.6	209.7	58,300 *	55.5	215.7	66,800 *	58.3	218.4	73,100 *	62.7	221.4	85,700 *										95
100	47.6	205.3	54,200 *	52.8	212.0	61,800 *	55.6	215.1	67,300 *	60.2	218.6	78,000 *										100
105	44.5	200.4	50,600 *	49.9	207.9	57,300 *	52.9	211.4	62,200 *	57.6	215.5	71,500 *										105
110	41.2	194.9	47,400 *	46.9	203.4	53,400 *	50.1	207.3	57,700 *	54.9	212.1	65,900 *										110
115	37.7	188.7	44,500 *	43.8	198.4	49,900 *	47.1	202.8	53,700 *	52.2	208.3	61,000 *	56.8	211.7	69,700 *							115
120	33.9	181.6	41,800 *	40.5	192.7	46,700 *	44.0	197.8	50,200 *	49.3	204.1	56,600 *	54.1	208.2	64,300 *							120
130	24.8	163.4	37,200 *	33.0	179.1	41,300 *	37.1	185.9	44,100 *	43.1	194.4	49,300 *	48.4	200.0	55,400 *							130
140	9.0	129.2	31,600 *	23.5	160.0	36,800 *	28.9	170.2	39,200 *	36.1	182.0	43,500 *	42.1	189.9	48,400 *	47.3	194.8	54,100 *				140
150				4.4	118.0	31,200 *	17.4	146.1	35,000 *	27.7	165.6	38,600 *	35.0	177.1	42,700 *	40.9	184.3	47,300 *	46.0	188.5	48,000	150
160										15.3	139.4	34,500 *	26.1	159.7	37,900 *	33.5	170.8	41,800 *	39.4	177.5	44,100	160
170													12.3	130.1	33,900 *	24.2	152.3	37,200 *	31.8	163.2	40,600 *	170
180																7.4	115.6	33,300 *	21.8	142.9	36,300 *	180

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 248,700 Lb. Crane Counterweight
 120,000 Lb. Carbody Counterweight
 360 Degree Rating

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 With The Intent To Be In
 The Scope of ANSI B30.5

M-250 SERIES 3**100 Ft. Boom, 140 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	74.5	244.7	107,500 *																			50
55	72.4	243.2	103,500 *																			55
60	70.2	241.4	99,700 *																			60
65	68.0	239.5	96,000 *																			65
70	65.8	237.3	88,800 *	69.7	240.2	100,000 *																70
75	63.5	234.9	80,500 *	67.5	238.2	96,300 *																75
80	61.2	232.2	73,600 *	65.3	236.0	86,800 *	67.7	237.5	97,000 *													80
85	58.8	229.2	67,600 *	63.0	233.5	78,900 *	65.4	235.2	87,500 *													85
90	56.4	226.0	62,400 *	60.7	230.7	72,200 *	63.1	232.8	79,500 *													90
95	53.9	222.5	57,800 *	58.3	227.7	66,400 *	60.8	230.0	72,700 *													95
100	51.3	218.6	53,800 *	55.8	224.4	61,300 *	58.4	227.1	66,800 *	62.5	230.0	77,600 *										100
105	48.6	214.3	50,200 *	53.3	220.8	56,900 *	56.0	223.8	61,700 *	60.2	227.2	71,100 *										105
110	45.8	209.5	46,900 *	50.7	216.8	53,000 *	53.4	220.2	57,200 *	57.8	224.2	65,400 *										110
115	42.8	204.3	44,000 *	48.0	212.4	49,400 *	50.8	216.2	53,300 *	55.3	220.8	60,500 *										115
120	39.7	198.5	41,400 *	45.1	207.6	46,300 *	48.1	211.8	49,700 *	52.8	217.1	56,200 *	57.0	220.4	63,900 *							120
130	32.6	184.5	36,800 *	38.9	196.3	40,800 *	42.3	201.7	43,700 *	47.4	208.6	48,900 *	52.0	213.1	55,000 *							130
140	23.8	165.5	32,900 *	31.8	181.9	36,300 *	35.7	189.1	38,700 *	41.5	198.2	43,000 *	46.5	204.3	47,900 *	51.0	208.1	53,600 *				140
150	8.7	129.9	28,000 *	22.6	162.0	32,500 *	27.8	172.6	34,500 *	34.8	185.2	38,100 *	40.5	193.6	42,200 *	45.5	199.0	46,800 *				150
160				4.2	118.3	27,700 *	16.8	147.6	30,900 *	26.6	168.0	34,000 *	33.6	180.1	37,500 *	39.4	187.9	41,300 *	44.2	192.6	43,500	160
170										14.7	140.7	30,500 *	25.2	162.0	33,500 *	32.3	173.7	36,700 *	37.9	180.9	40,000 *	170
180													11.9	131.1	30,100 *	23.3	154.3	32,900 *	30.6	165.9	35,900 *	180
190																7.1	116.2	29,500 *	20.9	144.7	32,100 *	190



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**Liftcrane Luffing Jib Capacities**

Luffing Jib No. 133 or No. 133A On
 Boom No. 44 With Heavy Lift Top
 248,700 Lb. Crane Counterweight
 120,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

M-250 SERIES 3**100 Ft. Boom, 150 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	75.6	255.1	102,500 *																			50
55	73.6	253.7	99,100 *																			55
60	71.6	252.1	95,800 *																			60
65	69.6	250.2	92,600 *																			65
70	67.5	248.2	89,500 *																			70
75	65.4	246.0	81,400 *	69.1	249.0	92,900 *																75
80	63.3	243.5	74,300 *	67.0	246.9	87,700 *																80
85	61.1	240.9	68,200 *	64.9	244.7	79,700 *	67.2	246.2	88,300 *													85
90	58.9	237.9	62,900 *	62.8	242.2	72,900 *	65.1	243.9	80,200 *													90
95	56.6	234.7	58,300 *	60.6	239.4	67,000 *	62.9	241.4	73,400 *													95
100	54.3	231.2	54,200 *	58.4	236.4	61,900 *	60.7	238.7	67,400 *													100
105	51.9	227.4	50,600 *	56.1	233.1	57,400 *	58.5	235.7	62,200 *	62.4	238.7	71,700 *										105
110	49.4	223.2	47,300 *	53.8	229.5	53,400 *	56.2	232.5	57,700 *	60.2	235.9	66,000 *										110
115	46.8	218.6	44,300 *	51.3	225.7	49,800 *	53.9	228.9	53,700 *	57.9	232.8	61,000 *										115
120	44.1	213.6	41,700 *	48.8	221.4	46,600 *	51.5	225.0	50,100 *	55.6	229.5	56,600 *										120
130	38.2	202.0	37,000 *	43.5	211.6	41,100 *	46.4	216.2	44,000 *	50.8	221.9	49,200 *	54.9	225.6	55,400 *							130
140	31.5	187.4	33,100 *	37.5	199.7	36,500 *	40.8	205.5	38,900 *	45.7	212.8	43,300 *	50.1	217.8	48,200 *							140
150	23.0	167.5	29,700 *	30.6	184.7	32,700 *	34.4	192.2	34,700 *	40.0	201.8	38,300 *	44.8	208.5	42,500 *	49.2	212.7	47,100 *				150
160	8.3	130.6	24,000 *	21.8	163.9	29,400 *	26.8	175.0	31,100 *	33.5	188.2	34,200 *	39.1	197.2	37,700 *	43.8	203.1	41,600 *				160
170				4.1	118.7	23,800 *	16.2	149.0	27,800 *	25.7	170.3	30,600 *	32.4	183.0	33,700 *	37.9	191.3	36,900 *	42.6	196.5	39,400 *	170
180										14.2	141.9	27,400 *	24.3	164.1	30,100 *	31.1	176.5	33,000 *	36.6	184.2	36,000 *	180
190													11.4	132.1	26,900 *	22.5	156.3	29,500 *	29.5	168.6	32,200 *	190
200																6.9	116.8	26,300 *	20.2	146.5	28,800 *	200



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120,000 Lb. Carbody Counterweight
360 Degree Rating

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With The Intent To Be In
The Scope of ANSI B30.5

M-250 SERIES 3**100 Ft. Boom, 160 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
55	74.7	264.1	92,900 *																			55
60	72.8	262.6	90,000 *																			60
65	70.9	260.9	87,000 *																			65
70	69.0	259.0	84,200 *																			70
75	67.0	257.0	80,900 *	70.5	259.7	87,000 *																75
80	65.1	254.7	73,800 *	68.5	257.8	84,400 *																80
85	63.1	252.2	67,700 *	66.6	255.7	79,200 *																85
90	61.0	249.5	62,400 *	64.6	253.3	72,400 *	66.7	254.9	79,700 *													90
95	59.0	246.6	57,800 *	62.6	250.8	66,500 *	64.7	252.6	72,800 *													95
100	56.8	243.4	53,700 *	60.6	248.1	61,400 *	62.7	250.1	66,900 *													100
105	54.7	239.9	50,000 *	58.5	245.1	56,900 *	60.7	247.4	61,700 *													105
110	52.4	236.2	46,800 *	56.4	241.8	52,900 *	58.6	244.4	57,200 *	62.2	247.4	65,500 *										110
115	50.1	232.1	43,800 *	54.2	238.3	49,300 *	56.5	241.1	53,100 *	60.2	244.6	60,500 *										115
120	47.7	227.7	41,100 *	51.9	234.5	46,100 *	54.3	237.6	49,600 *	58.1	241.5	56,100 *										120
130	42.6	217.6	36,500 *	47.2	225.8	40,600 *	49.7	229.7	43,400 *	53.7	234.6	48,700 *	57.4	237.7	54,900 *							130
140	37.0	205.4	32,500 *	42.0	215.5	36,000 *	44.8	220.3	38,400 *	49.1	226.5	42,700 *	53.0	230.7	47,700 *							140
150	30.4	190.1	29,200 *	36.3	203.0	32,200 *	39.4	209.1	34,200 *	44.1	216.9	37,800 *	48.4	222.3	41,900 *	52.2	225.7	46,600 *				150
160	22.2	169.5	26,300 *	29.6	187.3	28,800 *	33.3	195.2	30,600 *	38.7	205.4	33,700 *	43.3	212.5	37,100 *	47.5	217.2	41,000 *				160
170	8.1	131.3	21,200 *	21.1	165.8	26,000 *	26.0	177.3	27,500 *	32.4	191.1	30,200 *	37.8	200.6	33,100 *	42.4	207.0	36,400 *	46.4	210.9	38,600 *	170
180				3.9	119.0	21,100 *	15.6	150.3	24,600 *	24.8	172.4	27,100 *	31.4	185.8	29,700 *	36.7	194.7	32,500 *	41.2	200.3	35,500 *	180
190										13.7	143.1	24,200 *	23.5	166.2	26,600 *	30.1	179.2	29,100 *	35.4	187.4	31,700 *	190
200													11.1	133.1	23,800 *	21.8	158.2	26,100 *	28.5	171.1	28,400 *	200
210																6.6	117.3	23,300 *	19.5	148.2	25,500 *	210



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248,700 Lb. Crane Counterweight
120,000 Lb. Carbody Counterweight
360 Degree Rating**

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With The Intent To Be In
The Scope of ANSI B30.5

M-250 SERIES 3**100 Ft. Boom, 170 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
55	75.6	274.5	86,200 *																			55
60	73.8	273.1	83,500 *																			60
65	72.1	271.5	80,900 *																			65
70	70.3	269.7	78,300 *																			70
75	68.5	267.8	75,800 *																			75
80	66.6	265.7	73,100 *	69.9	268.5	78,300 *																80
85	64.8	263.4	68,100 *	68.1	266.5	75,900 *																85
90	62.9	260.9	62,700 *	66.2	264.4	72,900 *																90
95	61.0	258.2	58,000 *	64.4	262.0	66,900 *	66.3	263.6	73,300 *													95
100	59.0	255.2	53,800 *	62.5	259.5	61,700 *	64.5	261.3	67,300 *													100
105	57.0	252.1	50,100 *	60.5	256.7	57,100 *	62.6	258.8	62,000 *													105
110	55.0	248.6	46,800 *	58.6	253.7	53,000 *	60.7	256.0	57,400 *													110
115	52.9	244.9	43,800 *	56.6	250.5	49,400 *	58.7	253.1	53,300 *	62.1	256.0	60,800 *										115
120	50.7	240.9	41,100 *	54.5	247.0	46,100 *	56.7	249.8	49,600 *	60.1	253.2	56,300 *										120
130	46.2	231.9	36,400 *	50.2	239.2	40,600 *	52.5	242.6	43,400 *	56.2	246.9	48,800 *										130
140	41.3	221.3	32,400 *	45.7	230.0	35,900 *	48.1	234.2	38,300 *	52.0	239.5	42,700 *	55.5	243.1	47,800 *							140
150	35.8	208.6	29,000 *	40.7	219.2	32,000 *	43.4	224.3	34,000 *	47.5	230.9	37,700 *	51.3	235.5	41,900 *							150
160	29.5	192.7	26,100 *	35.2	206.2	28,700 *	38.2	212.5	30,400 *	42.7	220.8	33,600 *	46.8	226.7	37,100 *	50.5	230.5	41,000 *				160
170	21.5	171.4	23,500 *	28.7	189.9	25,800 *	32.3	198.1	27,300 *	37.4	208.8	30,000 *	42.0	216.3	33,000 *	46.0	221.4	36,300 *				170
180	7.8	132.0	18,900 *	20.5	167.6	23,200 *	25.2	179.6	24,500 *	31.4	193.9	27,000 *	36.6	203.9	29,500 *	41.0	210.7	32,400 *	45.0	215.1	35,100 *	180
190				3.8	119.2	18,800 *	15.1	151.6	22,000 *	24.1	174.6	24,200 *	30.4	188.6	26,500 *	35.5	197.9	29,000 *	39.9	204.0	31,600 *	190
200										13.3	144.2	21,700 *	22.7	168.2	23,800 *	29.2	181.8	26,000 *	34.3	190.5	28,300 *	200
210													10.7	134.0	21,300 *	21.1	160.1	23,300 *	27.6	173.6	25,400 *	210
220																6.4	117.8	20,800 *	18.9	149.8	22,800 *	220



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 120,000 Lb. Carbody Counterweight
 360 Degree Rating

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M-250 SERIES 3**100 Ft. Boom, 180 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
60	74.7	283.5	78,400 *																			60
65	73.1	282.0	76,000 *																			65
70	71.4	280.3	73,700 *																			70
75	69.7	278.5	71,200 *																			75
80	68.0	276.6	68,200 *	71.0	279.1	73,500 *																80
85	66.3	274.4	65,300 *	69.3	277.3	70,800 *																85
90	64.5	272.1	62,200 *	67.6	275.3	68,000 *																90
95	62.7	269.6	57,500 *	65.9	273.1	65,200 *	67.7	274.5	71,700 *													95
100	60.9	266.8	53,300 *	64.1	270.7	61,100 *	66.0	272.4	66,700 *													100
105	59.1	263.9	49,600 *	62.3	268.2	56,500 *	64.2	270.0	61,500 *													105
110	57.2	260.7	46,300 *	60.5	265.4	52,500 *	62.4	267.4	56,800 *													110
115	55.3	257.3	43,300 *	58.7	262.4	48,800 *	60.6	264.7	52,700 *													115
120	53.3	253.7	40,600 *	56.8	259.2	45,600 *	58.8	261.7	49,100 *	62.0	264.7	55,700 *										120
130	49.2	245.6	35,800 *	52.9	252.0	40,000 *	54.9	255.1	42,900 *	58.3	258.9	48,200 *										130
140	44.8	236.1	31,900 *	48.7	243.8	35,400 *	50.9	247.4	37,800 *	54.4	252.1	42,200 *	57.7	255.1	47,200 *							140
150	40.1	225.0	28,500 *	44.3	234.1	31,500 *	46.7	238.5	33,500 *	50.4	244.3	37,200 *	53.8	248.2	41,400 *							150
160	34.8	211.7	25,500 *	39.5	222.8	28,100 *	42.1	228.2	29,900 *	46.1	235.2	33,000 *	49.8	240.2	36,500 *							160
170	28.6	195.3	23,000 *	34.1	209.3	25,300 *	37.1	215.9	26,800 *	41.5	224.6	29,500 *	45.4	230.9	32,500 *	49.0	235.1	35,800 *				170
180	20.9	173.2	20,700 *	27.9	192.4	22,700 *	31.3	200.9	24,100 *	36.3	212.1	26,400 *	40.7	220.1	29,000 *	44.6	225.6	31,800 *				180
190	7.6	132.6	16,500 *	19.9	169.3	20,500 *	24.4	181.7	21,600 *	30.5	196.7	23,800 *	35.5	207.1	26,000 *	39.8	214.4	28,400 *	43.6	219.1	31,100 *	190
200				3.7	119.5	16,500 *	14.7	152.9	19,400 *	23.4	176.6	21,300 *	29.5	191.2	23,400 *	34.5	201.0	25,500 *	38.7	207.5	27,800 *	200
210										12.9	145.3	19,100 *	22.1	170.1	21,000 *	28.3	184.3	22,900 *	33.3	193.5	25,000 *	210
220													10.4	134.9	18,700 *	20.5	161.9	20,600 *	26.8	175.9	22,400 *	220
230																6.2	118.3	18,300 *	18.4	151.4	20,100 *	230



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 120,000 Lb. Carbody Counterweight
 360 Degree Rating

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 The Scope of ANSI B30.5

100 Ft. Boom, 190 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
60	75.6	293.8	73,200 *																			60
65	74.0	292.4	71,500 *																			65
70	72.4	290.9	69,100 *																			70
75	70.8	289.2	66,500 *																			75
80	69.2	287.3	63,900 *																			80
85	67.6	285.3	61,200 *	70.5	288.0	66,100 *																85
90	66.0	283.1	58,500 *	68.9	286.1	63,600 *																90
95	64.3	280.8	55,900 *	67.2	284.0	61,000 *																95
100	62.6	278.2	52,800 *	65.6	281.8	58,400 *	67.3	283.3	64,100 *													100
105	60.9	275.5	49,100 *	63.9	279.4	55,800 *	65.7	281.1	61,000 *													105
110	59.1	272.6	45,800 *	62.2	276.8	52,000 *	64.0	278.7	56,300 *													110
115	57.3	269.4	42,800 *	60.5	274.0	48,400 *	62.3	276.1	52,300 *													115
120	55.5	266.1	40,100 *	58.7	271.1	45,100 *	60.6	273.3	48,600 *													120
130	51.8	258.6	35,300 *	55.1	264.5	39,500 *	57.0	267.2	42,400 *	60.1	270.5	47,700 *										130
140	47.8	250.0	31,400 *	51.3	256.9	34,900 *	53.4	260.2	37,300 *	56.6	264.3	41,700 *										140
150	43.5	240.1	28,000 *	47.3	248.2	31,000 *	49.5	252.1	33,000 *	52.9	257.1	36,700 *	56.0	260.5	40,900 *							150
160	38.9	228.6	25,000 *	43.1	238.1	27,600 *	45.4	242.7	29,400 *	49.0	248.9	32,500 *	52.3	253.1	36,000 *							160
170	33.8	214.8	22,500 *	38.4	226.3	24,800 *	40.9	231.9	26,300 *	44.8	239.4	29,000 *	48.3	244.7	32,000 *	51.6	248.2	35,300 *				170
180	27.8	197.8	20,200 *	33.2	212.3	22,200 *	36.0	219.2	23,600 *	40.3	228.3	25,900 *	44.1	235.0	28,500 *	47.6	239.5	31,300 *				180
190	20.3	175.0	18,200 *	27.1	194.8	20,000 *	30.5	203.7	21,200 *	35.3	215.3	23,300 *	39.6	223.7	25,500 *	43.3	229.6	27,900 *	46.7	233.3	30,600 *	190
200	7.4	133.2	14,400 *	19.3	171.0	18,000 *	23.7	183.8	19,000 *	29.7	199.3	20,900 *	34.5	210.2	22,900 *	38.7	217.9	25,000 *	42.4	223.0	27,300 *	200
210				3.5	119.8	14,400 *	14.3	154.1	17,000 *	22.7	178.6	18,800 *	28.7	193.7	20,600 *	33.5	204.0	22,500 *	37.7	210.9	24,500 *	210
220										12.5	146.4	16,800 *	21.5	172.0	18,400 *	27.5	186.8	20,200 *	32.3	196.4	22,000 *	220
230													10.1	135.7	16,400 *	19.9	163.6	18,100 *	26.1	178.3	19,700 *	230
240																6.0	118.8	16,100 *	17.9	153.0	17,600 *	240



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Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Luffing Jib Capacities**

Luffing Jib No. 133 or No. 133A On
 Boom No. 44 With Heavy Lift Top
 248,700 Lb. Crane Counterweight
 120,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

M-250 SERIES 3**100 Ft. Boom, 200 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
65	74.8	302.8	65,400 *																			65
70	73.3	301.4	64,300 *																			70
75	71.8	299.8	61,800 *																			75
80	70.3	298.0	59,300 *																			80
85	68.8	296.1	56,700 *																			85
90	67.2	294.1	54,100 *	70.0	296.8	58,900 *																90
95	65.7	291.8	51,600 *	68.4	294.9	56,400 *																95
100	64.1	289.5	49,100 *	66.9	292.8	53,900 *																100
105	62.5	286.9	46,700 *	65.3	290.5	51,400 *	67.0	292.0	56,400 *													105
110	60.8	284.2	44,300 *	63.7	288.1	49,000 *	65.4	289.8	53,700 *													110
115	59.2	281.2	42,100 *	62.1	285.5	46,600 *	63.8	287.4	51,000 *													115
120	57.5	278.1	39,500 *	60.5	282.7	44,300 *	62.2	284.8	48,000 *													120
130	54.0	271.2	34,800 *	57.1	276.6	39,000 *	58.9	279.0	41,800 *	61.8	282.0	45,700 *										130
140	50.4	263.3	30,800 *	53.6	269.5	34,300 *	55.5	272.5	36,700 *	58.5	276.2	41,100 *										140
150	46.5	254.3	27,400 *	49.9	261.6	30,400 *	51.9	265.1	32,400 *	55.0	269.5	36,100 *	57.9	272.4	40,300 *							150
160	42.4	244.0	24,500 *	46.1	252.4	27,100 *	48.1	256.6	28,800 *	51.4	262.0	32,000 *	54.5	265.6	35,500 *							160
170	37.9	232.0	21,900 *	41.9	241.9	24,200 *	44.1	246.8	25,700 *	47.6	253.3	28,400 *	50.8	257.9	31,400 *							170
180	32.9	217.7	19,700 *	37.4	229.7	21,700 *	39.8	235.6	23,000 *	43.6	243.4	25,400 *	47.0	249.1	27,900 *	50.2	252.9	30,800 *				180
190	27.1	200.2	17,700 *	32.3	215.2	19,500 *	35.1	222.3	20,600 *	39.2	231.9	22,700 *	42.9	239.0	24,900 *	46.3	243.8	27,400 *				190
200	19.8	176.7	15,900 *	26.4	197.1	17,500 *	29.7	206.3	18,500 *	34.4	218.4	20,400 *	38.5	227.2	22,300 *	42.2	233.4	24,500 *	45.5	237.5	26,700 *	200
210	7.2	133.8	12,400 *	18.8	172.7	15,700 *	23.1	185.8	16,600 *	28.9	201.9	18,300 *	33.6	213.3	20,100 *	37.7	221.3	21,900 *	41.2	226.8	23,900 *	210
220				3.4	120.1	12,400 *	13.9	155.4	14,800 *	22.1	180.6	16,400 *	28.0	196.2	18,000 *	32.7	206.9	19,700 *	36.7	214.3	21,400 *	220
230										12.2	147.5	14,600 *	20.9	173.8	16,100 *	26.8	189.2	17,700 *	31.5	199.3	19,300 *	230
240													9.8	136.6	14,300 *	19.4	165.3	15,800 *	25.4	180.5	17,200 *	240
250																5.9	119.3	13,900 *	17.4	154.5	15,400 *	250



A.I.S.C. Certified Erector



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Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Luffing Jib Capacities****M-250 SERIES 3**

Luffing Jib No. 133 or No. 133A On
 Boom No. 44 With Heavy Lift Top
 248,700 Lb. Crane Counterweight
 120,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

110 Ft. Boom, 70 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
40	67.3	184.2	165,700 *b																			40
45	62.7	181.8	154,500 *b																			45
50	57.9	178.8	138,000 *b	67.0	183.2	161,900 *b																50
55	52.9	175.2	120,500 *	62.5	180.7	151,700 *b	67.8	182.6	166,200 *b													55
60	47.5	170.9	106,700 *	57.7	177.7	137,100 *b	63.2	180.2	155,400 *b													60
65	41.5	165.6	95,600 *	52.6	174.1	119,800 *	58.5	177.3	140,800 *b													65
70	34.8	159.0	86,400 *	47.2	169.7	106,200 *	53.5	173.8	122,700 *	62.8	177.7	140,900 b										70
75	26.4	150.2	78,700 *	41.2	164.4	95,100 *	48.1	169.6	108,500 *	58.0	174.8	129,200 b										75
80	13.9	135.7	72,100 *	34.4	157.7	86,000 *	42.2	164.4	97,100 *	53.0	171.2	119,300										80
85				26.0	148.7	78,400 *	35.6	158.0	87,700 *	47.6	166.9	107,400 *	57.3	171.3	107,100 b							85
90				13.0	133.7	71,800 *	27.5	149.5	79,800 *	41.7	161.6	96,200 *	52.3	167.6	99,900							90
95							15.8	136.2	73,100 *	34.9	155.1	87,000 *	46.8	163.2	93,400							95
100										26.6	146.3	79,200 *	40.8	157.8	87,700	51.2	162.9	84,900				100
105										14.3	132.1	72,600 *	33.8	150.9	82,600	45.7	158.3	79,900				105
110													25.3	141.7	77,900	39.5	152.7	75,500				110
115													11.5	125.7	71,700 *	32.3	145.5	71,400	44.0	152.3	69,100	115
120																23.2	135.6	67,700	37.6	146.3	65,600	120
130																			20.0	127.3	59,200	130



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 Boom No. 44 With Heavy Lift Top
 248,700 Lb. Crane Counterweight
 120,000 Lb. Carbody Counterweight
 360 Degree Rating

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 With The Intent To Be In
 The Scope of ANSI B30.5

M-250 SERIES 3**110 Ft. Boom, 80 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
40	70.2	195.0	160,400 *b																			40
45	66.4	192.9	150,000 *b																			45
50	62.4	190.4	138,900 *b	70.1	194.0	156,900 *b																50
55	58.2	187.5	121,200 *	66.2	191.9	147,400 *b																55
60	53.8	184.0	107,300 *	62.2	189.4	138,000 *b	66.8	191.3	151,700 *b													60
65	49.2	179.9	96,100 *	58.0	186.4	120,500 *	62.8	188.9	141,700 *b													65
70	44.2	175.0	86,800 *	53.6	182.9	106,800 *	58.7	186.0	123,400 *													70
75	38.7	169.1	79,000 *	49.0	178.8	95,600 *	54.3	182.6	109,100 *	62.4	186.4	128,700 b										75
80	32.4	161.9	72,400 *	43.9	173.8	86,400 *	49.7	178.5	97,600 *	58.3	183.5	118,800										80
85	24.6	152.3	66,700 *	38.4	167.9	78,700 *	44.8	173.8	88,100 *	53.9	180.0	108,000 *										85
90	13.0	136.8	61,700 *	32.0	160.6	72,200 *	39.3	168.0	80,100 *	49.3	175.9	96,600 *	57.7	179.9	99,300							90
95				24.2	150.9	66,500 *	33.1	161.0	73,400 *	44.3	171.0	87,300 *	53.3	176.4	92,900							95
100				12.1	134.7	61,500 *	25.6	151.7	67,600 *	38.8	165.2	79,500 *	48.6	172.2	87,200							100
105							14.7	137.4	62,500 *	32.5	158.0	72,800 *	43.6	167.2	82,100	52.4	171.8	79,300				105
110										24.8	148.5	67,100 *	38.0	161.2	77,500	47.6	167.4	74,900				110
115										13.3	133.2	62,100 *	31.5	153.8	72,000 *	42.5	162.3	70,900				115
120													23.5	143.8	66,400 *	36.8	156.0	67,200	46.3	161.5	65,000	120
130																21.6	137.4	60,800	35.1	149.5	58,800	130
140																			18.6	128.9	53,400	140



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**Liftcrane Luffing Jib Capacities****M-250 SERIES 3**

Luffing Jib No. 133 or No. 133A On
 Boom No. 44 With Heavy Lift Top
 248,700 Lb. Crane Counterweight
 120,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

110 Ft. Boom, 90 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
38	73.9	206.2	159,300 *b																			38
40	72.5	205.6	155,100 *b																			40
45	69.1	203.8	145,500 *b																			45
50	65.7	201.6	136,200 *b																			50
55	62.1	199.1	121,700 *	69.0	202.8	143,100 *b																55
60	58.4	196.1	107,700 *	65.5	200.6	135,000 *b																60
65	54.6	192.7	96,400 *	61.9	198.1	121,000 *	66.1	200.1	139,500 *b													65
70	50.5	188.8	87,100 *	58.2	195.1	107,200 *	62.5	197.6	123,900 *													70
75	46.2	184.2	79,300 *	54.4	191.6	96,000 *	58.8	194.7	109,500 *													75
80	41.5	178.8	72,600 *	50.3	187.7	86,700 *	55.0	191.3	97,900 *	62.2	195.1	118,300										80
85	36.4	172.4	66,900 *	46.0	183.1	78,900 *	51.0	187.4	88,300 *	58.5	192.1	108,300 *										85
90	30.4	164.6	61,900 *	41.3	177.6	72,300 *	46.7	182.9	80,300 *	54.6	188.7	96,900 *										90
95	23.2	154.4	57,500 *	36.1	171.2	66,600 *	42.1	177.6	73,500 *	50.6	184.8	87,600 *	57.9	188.6	92,400							95
100	12.2	137.8	53,500 *	30.1	163.3	61,700 *	37.0	171.4	67,700 *	46.3	180.2	79,700 *	54.1	185.1	86,800							100
105				22.8	152.9	57,300 *	31.1	163.8	62,600 *	41.6	174.9	73,000 *	50.0	181.1	81,700							105
110				11.3	135.7	53,400 *	24.1	153.9	58,100 *	36.5	168.5	67,200 *	45.6	176.5	77,100							110
115							13.8	138.6	54,100 *	30.6	160.7	62,200 *	40.9	171.0	72,200 *	49.1	176.4	70,500				115
120										23.3	150.5	57,800 *	35.7	164.5	66,500 *	44.7	171.6	66,800				120
130													22.1	145.7	57,200 *	34.6	159.2	60,500	43.5	165.5	58,400	130
140																20.3	139.2	55,000	33.0	152.4	53,100	140
150																			17.5	130.4	48,600	150



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M-250 SERIES 3**110 Ft. Boom, 100 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
38	75.5	216.6	153,400 *b																			38
40	74.3	216.1	149,600 *b																			40
45	71.3	214.5	140,700 *b																			45
50	68.3	212.5	132,600 *b																			50
55	65.1	210.3	121,900 *																			55
60	61.9	207.7	107,800 *	68.1	211.6	131,100 *b																60
65	58.6	204.8	96,400 *	65.0	209.3	121,200 *																65
70	55.1	201.4	87,000 *	61.7	206.7	107,200 *	65.5	208.8	124,000 *													70
75	51.5	197.6	79,200 *	58.4	203.8	96,000 *	62.3	206.2	109,500 *													75
80	47.7	193.2	72,500 *	54.9	200.4	86,700 *	58.9	203.3	97,900 *													80
85	43.6	188.2	66,700 *	51.3	196.5	78,900 *	55.5	200.0	88,300 *	62.0	203.7	108,400 *										85
90	39.3	182.4	61,700 *	47.5	192.1	72,200 *	51.9	196.2	80,200 *	58.6	200.8	96,900 *										90
95	34.4	175.6	57,300 *	43.4	187.1	66,500 *	48.1	191.9	73,400 *	55.2	197.4	87,500 *										95
100	28.8	167.2	53,400 *	39.0	181.2	61,500 *	44.1	187.0	67,500 *	51.6	193.6	79,600 *										100
105	21.9	156.3	49,900 *	34.1	174.3	57,100 *	39.8	181.3	62,400 *	47.8	189.3	72,900 *	54.7	193.9	81,100							105
110	11.5	138.8	46,700 *	28.5	165.8	53,200 *	35.0	174.6	57,900 *	43.7	184.3	67,100 *	51.1	190.0	76,600							110
115				21.5	154.8	49,800 *	29.5	166.4	54,000 *	39.3	178.5	62,000 *	47.2	185.6	72,000 *							115
120				10.7	136.6	46,600 *	22.8	155.9	50,400 *	34.5	171.6	57,600 *	43.1	180.5	66,400 *	50.3	185.3	66,200				120
130										22.1	152.5	50,200 *	33.8	167.5	57,100 *	42.3	175.5	59,900				130
140													20.9	147.6	49,700 *	32.7	162.1	54,500	41.1	169.3	52,500	140
150																19.2	140.9	49,100 *	31.2	155.2	48,100	150
160																			16.6	131.8	44,100	160



A.I.S.C. Certified Erector



P.C.I. Qualified Erector

L. R. WILLSON & SONS, INC.

773 ANNAPOLIS ROAD • PO BOX 227

GAMBRILLS, MARYLAND 21054

www.lrwilsonandsons.com

Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Luffing Jib Capacities****M-250 SERIES 3**

Luffing Jib No. 133 or No. 133A On
 Boom No. 44 With Heavy Lift Top
 248,700 Lb. Crane Counterweight
 120,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

110 Ft. Boom, 110 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
40	75.8	226.5	142,000 *b																			40
45	73.1	225.0	135,000 *b																			45
50	70.3	223.3	127,600 *																			50
55	67.5	221.3	120,500 *																			55
60	64.7	219.0	111,000 *	70.2	222.3	126,200 *																60
65	61.7	216.4	99,200 *	67.4	220.3	119,900 *																65
70	58.7	213.5	89,500 *	64.5	218.0	110,400 *	67.8	219.7	125,600 *													70
75	55.6	210.1	81,300 *	61.6	215.4	98,700 *	65.0	217.4	112,700 *													75
80	52.3	206.4	74,400 *	58.5	212.4	89,100 *	62.1	214.9	100,600 *													80
85	48.9	202.2	68,500 *	55.4	209.1	81,000 *	59.0	212.0	90,700 *													85
90	45.3	197.5	63,300 *	52.2	205.3	74,100 *	55.9	208.7	82,400 *	61.8	212.4	99,600 *										90
95	41.5	192.0	58,800 *	48.8	201.1	68,200 *	52.7	205.0	75,300 *	58.8	209.5	89,900 *										95
100	37.3	185.8	54,700 *	45.1	196.3	63,100 *	49.3	200.9	69,300 *	55.6	206.2	81,700 *										100
105	32.7	178.5	51,200 *	41.3	190.9	58,600 *	45.7	196.2	64,000 *	52.4	202.4	74,700 *										105
110	27.4	169.6	47,900 *	37.1	184.6	54,600 *	41.9	190.9	59,400 *	49.0	198.2	68,800 *	55.2	202.6	76,100							110
115	20.9	158.1	45,000 *	32.5	177.2	51,000 *	37.8	184.7	55,300 *	45.4	193.5	63,600 *	51.9	198.8	71,900							115
120	10.9	139.7	39,900 *	27.1	168.2	47,800 *	33.3	177.6	51,700 *	41.6	188.1	59,000 *	48.5	194.6	68,000 *							120
130				10.2	137.4	41,300 *	21.7	157.8	45,500 *	32.8	174.6	51,400 *	41.0	184.2	58,400 *	47.8	189.8	59,400				130
140										21.0	154.3	45,200 *	32.1	170.4	50,900 *	40.2	179.2	54,100	46.8	183.9	52,000	140
150													19.9	149.3	44,900 *	31.1	164.9	49,500	39.1	172.9	47,600	150
160																18.3	142.5	44,300 *	29.7	157.9	43,700	160
170																			15.8	133.2	40,300	170

**A.I.S.C. Certified Erector****PCI P.C.I. Qualified Erector**

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 Boom No. 44 With Heavy Lift Top
 248,700 Lb. Crane Counterweight
 120,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

M-250 SERIES 3**110 Ft. Boom, 120 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	74.5	235.4	126,800 *b																			45
50	72.0	233.9	121,900 *																			50
55	69.5	232.1	117,100 *																			55
60	66.9	230.0	109,900 *																			60
65	64.3	227.7	98,900 *	69.4	231.1	116,300 *																65
70	61.6	225.1	89,100 *	66.8	229.0	110,100 *																70
75	58.8	222.1	81,000 *	64.1	226.7	98,400 *	67.2	228.4	112,400 *													75
80	56.0	218.8	74,100 *	61.4	224.0	88,700 *	64.6	226.1	100,300 *													80
85	53.0	215.2	68,100 *	58.7	221.1	80,700 *	61.9	223.5	90,300 *													85
90	49.9	211.1	62,900 *	55.8	217.8	73,800 *	59.1	220.6	82,000 *													90
95	46.7	206.6	58,400 *	52.9	214.1	67,900 *	56.3	217.4	74,900 *	61.6	221.1	89,500 *										95
100	43.3	201.5	54,300 *	49.8	210.0	62,700 *	53.3	213.8	68,900 *	58.9	218.1	81,300 *										100
105	39.6	195.7	50,700 *	46.5	205.5	58,200 *	50.3	209.8	63,600 *	56.0	214.9	74,400 *										105
110	35.7	189.0	47,500 *	43.1	200.3	54,200 *	47.1	205.3	59,000 *	53.1	211.2	68,400 *										110
115	31.3	181.3	44,600 *	39.4	194.5	50,600 *	43.7	200.2	54,900 *	50.0	207.1	63,200 *	55.6	211.3	71,400 *							115
120	26.2	171.9	42,000 *	35.5	187.8	47,400 *	40.0	194.5	51,300 *	46.8	202.6	58,600 *	52.6	207.6	67,600 *							120
130	10.4	140.6	35,100 *	25.9	170.5	41,900 *	31.8	180.4	45,100 *	39.7	191.7	51,000 *	46.3	198.9	58,000 *	52.0	203.0	58,800				130
140				9.7	138.2	36,400 *	20.7	159.6	39,900 *	31.3	177.4	44,800 *	39.2	187.8	50,500 *	45.6	194.0	53,500				140
150										20.1	156.0	39,800 *	30.7	173.2	44,500 *	38.4	182.7	48,900	44.7	188.0	47,000	150
160													19.0	151.0	39,500 *	29.7	167.5	43,900 *	37.3	176.3	43,200	160
170																17.5	144.0	39,000 *	28.4	160.4	39,800	170
180																			15.0	134.5	36,600 *	180



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**Luffing Jib No. 133 or No. 133A On
Boom No. 44 With Heavy Lift Top
248,700 Lb. Crane Counterweight
120,000 Lb. Carbody Counterweight
360 Degree Rating**

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

M-250 SERIES 3**110 Ft. Boom, 130 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	75.8	245.8	117,400 *b																			45
50	73.5	244.4	113,100 *																			50
55	71.1	242.7	108,900 *																			55
60	68.8	240.9	104,900 *																			60
65	66.4	238.7	99,700 *	71.0	241.8	109,800 *																65
70	64.0	236.4	89,800 *	68.7	239.9	106,100 *																70
75	61.5	233.7	81,500 *	66.3	237.7	99,200 *																75
80	58.9	230.8	74,400 *	63.8	235.4	89,400 *	66.7	237.2	101,100 *													80
85	56.3	227.5	68,400 *	61.3	232.7	81,100 *	64.2	234.8	91,000 *													85
90	53.6	224.0	63,100 *	58.8	229.8	74,200 *	61.7	232.2	82,500 *													90
95	50.8	220.0	58,500 *	56.1	226.5	68,200 *	59.2	229.3	75,300 *													95
100	47.8	215.6	54,500 *	53.4	222.9	62,900 *	56.6	226.1	69,200 *	61.5	229.7	81,800 *										100
105	44.7	210.7	50,800 *	50.6	218.9	58,400 *	53.9	222.6	63,800 *	58.9	226.8	74,800 *										105
110	41.5	205.3	47,600 *	47.7	214.5	54,300 *	51.1	218.6	59,200 *	56.3	223.6	68,700 *										110
115	38.0	199.1	44,700 *	44.6	209.6	50,700 *	48.2	214.3	55,000 *	53.6	220.0	63,400 *										115
120	34.2	192.1	42,000 *	41.3	204.1	47,500 *	45.1	209.5	51,400 *	50.8	216.0	58,800 *	56.0	220.0	67,400							120
130	25.1	174.2	37,400 *	34.0	190.9	41,900 *	38.4	198.0	45,100 *	44.8	206.8	51,100 *	50.4	212.4	58,200 *							130
140	10.0	141.4	31,300 *	24.9	172.7	37,300 *	30.5	183.1	39,900 *	38.1	195.2	44,900 *	44.4	203.0	50,600 *	49.8	207.7	53,300				140
150				9.3	139.0	32,600 *	19.9	161.3	35,600 *	30.1	180.1	39,800 *	37.5	191.2	44,500 *	43.7	198.1	48,700				150
160										19.2	157.7	35,500 *	29.4	175.8	39,500 *	36.8	186.0	44,000 *	42.8	192.0	43,000	160
170													18.3	152.5	35,200 *	28.5	170.1	39,000 *	35.8	179.5	39,600 *	170
180																16.8	145.4	34,900 *	27.2	162.8	36,500 *	180
190																			14.4	135.7	33,600 *	190



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 Boom No. 44 With Heavy Lift Top
 248,700 Lb. Crane Counterweight
 120,000 Lb. Carbody Counterweight
 360 Degree Rating

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 With The Intent To Be In
 The Scope of ANSI B30.5

M-250 SERIES 3**110 Ft. Boom, 140 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	74.7	254.8	105,800 *																			50
55	72.5	253.3	102,100 *																			55
60	70.4	251.6	98,500 *																			60
65	68.2	249.6	95,000 *																			65
70	65.9	247.5	89,400 *	70.3	250.6	99,300 *																70
75	63.7	245.0	81,100 *	68.1	248.6	96,100 *																75
80	61.4	242.4	74,000 *	65.8	246.5	89,000 *																80
85	59.0	239.5	68,000 *	63.6	244.0	80,700 *	66.2	245.9	90,600 *													85
90	56.5	236.2	62,700 *	61.2	241.4	73,700 *	63.9	243.5	82,100 *													90
95	54.0	232.7	58,100 *	58.9	238.4	67,700 *	61.6	240.9	74,900 *													95
100	51.5	228.8	54,000 *	56.4	235.2	62,500 *	59.2	238.0	68,700 *													100
105	48.8	224.6	50,400 *	53.9	231.6	57,900 *	56.8	234.8	63,400 *	61.4	238.4	74,300 *										105
110	46.0	219.9	47,100 *	51.3	227.7	53,900 *	54.3	231.3	58,700 *	59.0	235.5	68,200 *										110
115	43.0	214.7	44,200 *	48.6	223.5	50,200 *	51.7	227.5	54,600 *	56.6	232.2	63,000 *										115
120	39.9	208.9	41,500 *	45.8	218.8	47,000 *	49.1	223.2	50,900 *	54.1	228.7	58,300 *										120
130	32.9	195.1	36,900 *	39.7	207.7	41,400 *	43.3	213.5	44,600 *	48.8	220.6	50,600 *	53.7	225.1	57,800 *							130
140	24.2	176.3	33,000 *	32.7	193.8	36,800 *	36.9	201.4	39,500 *	43.1	210.7	44,400 *	48.4	216.9	50,100 *							140
150	9.6	142.2	27,700 *	23.9	174.8	32,900 *	29.3	185.8	35,200 *	36.6	198.5	39,300 *	42.6	206.9	44,000 *	47.9	212.2	48,200				150
160				8.9	139.8	28,900 *	19.1	163.0	31,500 *	28.9	182.7	35,000 *	36.1	194.5	39,000 *	42.0	202.0	43,500 *	47.1	206.3	42,400	160
170										18.5	159.3	31,400 *	28.3	178.3	34,800 *	35.4	189.2	38,600 *	41.2	195.8	39,000 *	170
180													17.6	154.1	31,200 *	27.4	172.5	34,400 *	34.4	182.6	35,900 *	180
190																16.1	146.8	30,900 *	26.2	165.1	33,100 *	190
200																			13.9	136.9	30,400 *	200



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360 Degree Rating**

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With The Intent To Be In
The Scope of ANSI B30.5

M-250 SERIES 3**110 Ft. Boom, 150 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	75.7	265.2	100,700 *																			50
55	73.7	263.8	97,600 *																			55
60	71.7	262.2	94,500 *																			60
65	69.7	260.4	91,400 *																			65
70	67.6	258.4	88,500 *																			70
75	65.6	256.2	81,900 *	69.6	259.4	92,200 *																75
80	63.4	253.7	74,800 *	67.5	257.4	89,500 *																80
85	61.3	251.0	68,600 *	65.5	255.2	81,600 *	67.9	256.8	91,500 *													85
90	59.1	248.1	63,300 *	63.3	252.7	74,500 *	65.8	254.6	82,900 *													90
95	56.8	244.9	58,600 *	61.2	250.0	68,400 *	63.7	252.2	75,600 *													95
100	54.5	241.4	54,500 *	58.9	247.1	63,100 *	61.5	249.5	69,400 *													100
105	52.1	237.6	50,800 *	56.7	243.9	58,400 *	59.3	246.6	63,900 *													105
110	49.6	233.5	47,500 *	54.3	240.4	54,300 *	57.0	243.5	59,200 *	61.3	247.0	68,900 *										110
115	47.0	229.0	44,500 *	51.9	236.6	50,600 *	54.7	240.0	55,000 *	59.1	244.1	63,500 *										115
120	44.3	224.0	41,800 *	49.5	232.4	47,400 *	52.3	236.3	51,300 *	56.8	240.9	58,800 *										120
130	38.5	212.4	37,100 *	44.2	222.8	41,700 *	47.3	227.7	44,900 *	52.1	233.7	51,000 *	56.5	237.4	58,200 *							130
140	31.7	197.9	33,200 *	38.3	211.2	37,100 *	41.8	217.3	39,700 *	47.0	225.0	44,700 *	51.8	230.0	50,500 *							140
150	23.3	178.4	29,800 *	31.6	196.7	33,100 *	35.6	204.6	35,400 *	41.5	214.6	39,500 *	46.7	221.3	44,300 *	51.3	225.4	47,700				150
160	9.3	143.0	23,700 *	23.1	176.9	29,700 *	28.3	188.3	31,700 *	35.3	201.7	35,200 *	41.1	210.7	39,200 *	46.1	216.4	43,800 *				160
170				8.6	140.5	24,800 *	18.5	164.6	28,500 *	27.9	185.2	31,500 *	34.8	197.7	34,900 *	40.5	205.7	38,800 *	45.4	210.5	38,300 *	170
180										17.9	160.9	28,400 *	27.3	180.7	31,300 *	34.2	192.3	34,600 *	39.7	199.4	35,200 *	180
190													17.0	155.5	28,200 *	26.5	174.9	31,000 *	33.2	185.6	32,500 *	190
200																15.6	148.2	27,900 *	25.2	167.4	29,900 *	200
210																			13.4	138.0	27,500 *	210



A.I.S.C. Certified Erector



P.C.I. Qualified Erector

L. R. WILLSON & SONS, INC.

773 ANNAPOLIS ROAD • PO BOX 227

GAMBRILLS, MARYLAND 21054

www.lrwilsonandsons.com

Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Luffing Jib Capacities**

Luffing Jib No. 133 or No. 133A On
 Boom No. 44 With Heavy Lift Top
 248,700 Lb. Crane Counterweight
 120,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

M-250 SERIES 3**110 Ft. Boom, 160 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
55	74.8	274.2	91,400 *																			55
60	72.9	272.7	88,600 *																			60
65	71.0	271.0	85,900 *																			65
70	69.1	269.2	83,100 *																			70
75	67.2	267.1	80,500 *	70.9	270.1	86,300 *																75
80	65.2	264.9	74,200 *	69.0	268.2	83,800 *																80
85	63.2	262.4	68,100 *	67.1	266.1	81,100 *																85
90	61.2	259.7	62,800 *	65.1	263.9	74,000 *	67.4	265.5	82,400 *													90
95	59.1	256.8	58,100 *	63.1	261.4	67,900 *	65.4	263.3	75,100 *													95
100	57.0	253.6	53,900 *	61.1	258.7	62,500 *	63.4	260.9	68,900 *													100
105	54.8	250.2	50,300 *	59.0	255.7	57,900 *	61.4	258.2	63,400 *													105
110	52.6	246.4	47,000 *	56.9	252.6	53,800 *	59.3	255.3	58,700 *													110
115	50.3	242.4	44,000 *	54.7	249.1	50,100 *	57.2	252.2	54,500 *	61.2	255.7	63,000 *										115
120	47.9	238.0	41,300 *	52.5	245.4	46,800 *	55.1	248.7	50,700 *	59.1	252.8	58,300 *										120
130	42.8	227.9	36,600 *	47.8	236.9	41,200 *	50.5	241.0	44,400 *	54.9	246.2	50,400 *										130
140	37.2	215.8	32,700 *	42.7	226.8	36,500 *	45.7	231.9	39,200 *	50.3	238.4	44,100 *	54.5	242.6	50,000 *							140
150	30.7	200.7	29,300 *	37.0	214.6	32,600 *	40.4	221.0	34,800 *	45.5	229.2	39,000 *	50.0	234.7	43,800 *							150
160	22.6	180.3	26,300 *	30.5	199.4	29,200 *	34.4	207.7	31,200 *	40.1	218.2	34,700 *	45.1	225.5	38,700 *	49.5	230.0	43,200 *				160
170	9.0	143.8	20,900 *	22.3	178.8	26,300 *	27.4	190.7	28,000 *	34.1	204.8	31,000 *	39.7	214.3	34,400 *	44.6	220.6	38,200 *				170
180				8.3	141.2	22,000 *	17.8	166.1	25,200 *	27.0	187.5	27,900 *	33.7	200.7	30,800 *	39.2	209.2	34,000 *	43.9	214.5	34,500 *	180
190										17.3	162.4	25,100 *	26.4	183.1	27,700 *	33.0	195.3	30,500 *	38.4	202.9	31,700 *	190
200													16.4	157.0	25,000 *	25.6	177.1	27,400 *	32.1	188.5	29,300 *	200
210																15.0	149.5	24,700 *	24.4	169.5	27,000 *	210
220																			12.9	139.1	24,400 *	220



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 Boom No. 44 With Heavy Lift Top
 248,700 Lb. Crane Counterweight
 120,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

M-250 SERIES 3**110 Ft. Boom, 170 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
55	75.7	284.6	84,700 *																			55
60	73.9	283.2	82,200 *																			60
65	72.2	281.6	79,700 *																			65
70	70.4	279.9	77,300 *																			70
75	68.6	277.9	74,900 *																			75
80	66.8	275.8	72,500 *	70.3	278.9	77,700 *																80
85	64.9	273.6	68,500 *	68.5	277.0	75,500 *																85
90	63.0	271.1	63,100 *	66.7	274.9	73,000 *																90
95	61.1	268.4	58,300 *	64.8	272.6	68,300 *	67.0	274.3	75,700 *													95
100	59.2	265.4	54,100 *	62.9	270.1	62,900 *	65.1	272.0	69,300 *													100
105	57.2	262.3	50,400 *	61.0	267.3	58,100 *	63.2	269.5	63,700 *													105
110	55.1	258.9	47,000 *	59.1	264.4	53,900 *	61.3	266.9	58,900 *													110
115	53.0	255.2	44,000 *	57.1	261.2	50,200 *	59.4	264.0	54,600 *													115
120	50.9	251.2	41,300 *	55.0	257.8	46,900 *	57.4	260.8	50,800 *	61.1	264.4	58,500 *										120
130	46.4	242.3	36,500 *	50.8	250.1	41,200 *	53.3	253.8	44,400 *	57.2	258.3	50,500 *										130
140	41.5	231.7	32,500 *	46.2	241.2	36,400 *	48.9	245.6	39,100 *	53.1	251.2	44,200 *	56.9	254.8	50,100 *							140
150	36.0	219.1	29,100 *	41.3	230.6	32,500 *	44.2	236.0	34,700 *	48.7	243.0	38,900 *	52.8	247.6	43,800 *							150
160	29.7	203.3	26,200 *	35.9	217.8	29,100 *	39.1	224.6	31,000 *	44.0	233.3	34,600 *	48.4	239.3	38,600 *	52.4	243.0	42,900				160
170	21.9	182.3	23,600 *	29.6	202.0	26,100 *	33.4	210.7	27,800 *	38.9	221.8	30,900 *	43.7	229.5	34,300 *	47.9	234.5	38,200 *				170
180	8.7	144.5	18,600 *	21.6	180.7	23,500 *	26.5	193.1	25,000 *	33.1	207.8	27,700 *	38.5	217.8	30,700 *	43.2	224.6	33,900 *	47.3	228.6	34,100 *	180
190				8.1	141.8	19,600 *	17.3	167.6	22,600 *	26.2	189.9	24,900 *	32.6	203.6	27,500 *	37.9	212.7	30,300 *	42.5	218.4	31,400 *	190
200										16.7	163.8	22,500 *	25.6	185.3	24,800 *	32.0	198.2	27,200 *	37.2	206.3	28,900 *	200
210													15.9	158.3	22,400 *	24.8	179.3	24,500 *	31.1	191.3	26,700 *	210
220																14.6	150.7	22,200 *	23.7	171.6	24,200 *	220
230																			12.5	140.2	21,900 *	230



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 120,000 Lb. Carbody Counterweight
 360 Degree Rating

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 The Scope of ANSI B30.5

M-250 SERIES 3**110 Ft. Boom, 180 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
60	74.9	293.6	77,100 *																			60
65	73.2	292.1	74,900 *																			65
70	71.5	290.5	72,600 *																			70
75	69.8	288.7	70,400 *																			75
80	68.1	286.7	67,700 *																			80
85	66.4	284.6	64,900 *	69.8	287.7	70,800 *																85
90	64.6	282.2	62,200 *	68.0	285.7	68,000 *																90
95	62.9	279.7	57,800 *	66.3	283.6	65,300 *																95
100	61.1	277.0	53,600 *	64.6	281.2	62,300 *	66.6	283.0	68,700 *													100
105	59.2	274.1	49,800 *	62.8	278.7	57,600 *	64.8	280.7	63,200 *													105
110	57.3	271.0	46,500 *	61.0	276.0	53,400 *	63.1	278.2	58,400 *													110
115	55.4	267.6	43,500 *	59.1	273.1	49,700 *	61.3	275.5	54,100 *													115
120	53.4	264.0	40,700 *	57.2	269.9	46,400 *	59.4	272.6	50,300 *	62.9	275.7	58,000 *										120
130	49.3	255.9	36,000 *	53.3	262.9	40,600 *	55.6	266.2	43,900 *	59.2	270.1	50,000 *										130
140	45.0	246.4	32,000 *	49.2	254.8	35,900 *	51.7	258.7	38,600 *	55.4	263.6	43,600 *										140
150	40.2	235.4	28,600 *	44.9	245.3	31,900 *	47.4	250.0	34,200 *	51.5	256.1	38,400 *	55.2	260.1	43,200 *							150
160	35.0	222.2	25,600 *	40.1	234.2	28,500 *	42.9	239.9	30,500 *	47.2	247.4	34,000 *	51.2	252.5	38,100 *							160
170	28.9	205.9	23,100 *	34.8	221.0	25,600 *	38.0	228.0	27,300 *	42.7	237.2	30,300 *	46.9	243.6	33,800 *	50.8	247.8	37,600 *				170
180	21.2	184.1	20,800 *	28.7	204.6	23,000 *	32.4	213.6	24,500 *	37.7	225.2	27,200 *	42.4	233.4	30,100 *	46.5	238.8	33,400 *				180
190	8.4	145.2	16,300 *	21.0	182.6	20,800 *	25.7	195.3	22,100 *	32.1	210.7	24,400 *	37.4	221.2	27,000 *	41.9	228.4	29,800 *	45.9	232.9	30,800 *	190
200				7.8	142.5	17,200 *	16.8	169.1	19,900 *	25.4	192.1	22,000 *	31.7	206.5	24,200 *	36.8	216.0	26,700 *	41.2	222.2	28,300 *	200
210										16.3	165.3	19,800 *	24.9	187.5	21,800 *	31.1	200.9	24,000 *	36.1	209.5	26,100 *	210
220													15.4	159.7	19,700 *	24.1	181.5	21,600 *	30.2	194.0	23,700 *	220
230																14.2	151.9	19,500 *	23.0	173.6	21,400 *	230
240																			12.2	141.3	19,300 *	240



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248,700 Lb. Crane Counterweight
120,000 Lb. Carbody Counterweight
360 Degree Rating

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With The Intent To Be In
The Scope of ANSI B30.5

110 Ft. Boom, 190 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
60	75.7	303.9	71,400 *																			60
65	74.1	302.5	70,500 *																			65
70	72.5	301.0	68,300 *																			70
75	70.9	299.3	65,800 *																			75
80	69.3	297.5	63,300 *																			80
85	67.7	295.5	60,800 *	70.9	298.3	65,800 *																85
90	66.1	293.3	58,300 *	69.3	296.5	63,500 *																90
95	64.4	290.9	55,700 *	67.6	294.5	61,000 *																95
100	62.7	288.4	53,100 *	66.0	292.3	58,600 *	67.9	293.9	64,500 *													100
105	61.0	285.7	49,300 *	64.3	289.9	56,100 *	66.3	291.7	61,800 *													105
110	59.3	282.8	46,000 *	62.6	287.4	52,900 *	64.6	289.4	57,900 *													110
115	57.5	279.6	43,000 *	60.9	284.7	49,200 *	62.9	286.9	53,600 *													115
120	55.7	276.3	40,200 *	59.2	281.7	45,900 *	61.2	284.2	49,800 *													120
130	51.9	268.9	35,500 *	55.6	275.2	40,100 *	57.7	278.2	43,400 *	61.0	281.7	49,500 *										130
140	47.9	260.3	31,500 *	51.8	267.8	35,400 *	54.0	271.3	38,100 *	57.5	275.6	43,100 *										140
150	43.7	250.5	28,100 *	47.8	259.2	31,400 *	50.2	263.4	33,700 *	53.8	268.7	37,900 *	57.3	272.1	42,700 *							150
160	39.1	239.0	25,100 *	43.6	249.3	28,000 *	46.1	254.3	30,000 *	50.0	260.8	33,500 *	53.6	265.1	37,600 *							160
170	34.0	225.3	22,600 *	39.0	237.8	25,100 *	41.7	243.8	26,800 *	45.9	251.6	29,800 *	49.7	257.1	33,300 *							170
180	28.1	208.4	20,300 *	33.9	224.0	22,500 *	36.9	231.4	24,000 *	41.5	241.0	26,700 *	45.6	247.9	29,600 *	49.3	252.4	32,900 *				180
190	20.6	185.9	18,300 *	27.9	207.1	20,300 *	31.5	216.5	21,600 *	36.7	228.5	23,900 *	41.2	237.2	26,500 *	45.2	243.0	29,300 *				190
200	8.2	145.9	14,100 *	20.4	184.4	18,300 *	25.0	197.6	19,400 *	31.2	213.5	21,500 *	36.3	224.5	23,700 *	40.7	232.1	26,200 *	44.6	237.0	27,700 *	200
210				7.6	143.1	15,000 *	16.3	170.5	17,500 *	24.7	194.3	19,400 *	30.8	209.2	21,400 *	35.8	219.3	23,500 *	40.1	225.9	25,500 *	210
220										15.8	166.6	17,400 *	24.2	189.7	19,200 *	30.2	203.6	21,100 *	35.1	212.7	23,200 *	220
230													15.0	161.0	17,300 *	23.4	183.5	19,100 *	29.4	196.6	20,900 *	230
240																13.8	153.1	17,200 *	22.3	175.6	18,800 *	240
250																			11.8	142.3	16,900 *	250



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 120,000 Lb. Carbody Counterweight
 360 Degree Rating

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 The Scope of ANSI B30.5

M-250 SERIES 3**110 Ft. Boom, 200 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
65	74.9	312.9	63,900 *																			65
70	73.4	311.5	63,200 *																			70
75	71.9	309.9	61,200 *																			75
80	70.4	308.1	58,800 *																			80
85	68.9	306.2	56,300 *																			85
90	67.3	304.2	53,900 *	70.3	307.2	58,800 *																90
95	65.8	302.0	51,400 *	68.8	305.3	56,400 *																95
100	64.2	299.6	49,000 *	67.3	303.2	54,100 *																100
105	62.6	297.1	46,600 *	65.7	301.0	51,700 *	67.5	302.6	56,900 *													105
110	60.9	294.3	44,300 *	64.1	298.6	49,300 *	65.9	300.4	54,300 *													110
115	59.3	291.4	42,100 *	62.5	296.1	46,900 *	64.4	298.1	51,700 *													115
120	57.6	288.3	39,700 *	60.9	293.3	44,700 *	62.8	295.5	49,100 *													120
130	54.1	281.4	34,900 *	57.5	287.3	39,600 *	59.5	289.9	42,800 *	62.6	293.1	46,600 *										130
140	50.5	273.6	30,900 *	54.0	280.4	34,800 *	56.1	283.5	37,500 *	59.3	287.4	42,400 *										140
150	46.6	264.7	27,500 *	50.4	272.5	30,900 *	52.5	276.3	33,100 *	55.9	281.0	37,300 *										150
160	42.5	254.4	24,600 *	46.5	263.5	27,500 *	48.8	268.0	29,400 *	52.4	273.7	33,000 *	55.7	277.5	37,000 *							160
170	38.1	242.4	22,000 *	42.4	253.2	24,500 *	44.9	258.5	26,200 *	48.6	265.3	29,300 *	52.1	270.1	32,700 *							170
180	33.1	228.3	19,800 *	38.0	241.2	22,000 *	40.6	247.5	23,500 *	44.7	255.8	26,100 *	48.4	261.6	29,100 *	51.7	265.4	32,300 *				180
190	27.3	210.9	17,800 *	33.0	227.0	19,700 *	35.9	234.6	21,000 *	40.4	244.7	23,400 *	44.4	252.0	25,900 *	48.0	256.9	28,700 *				190
200	20.1	187.7	16,000 *	27.2	209.5	17,700 *	30.7	219.2	18,900 *	35.7	231.8	20,900 *	40.1	240.8	23,200 *	44.0	247.1	25,600 *	47.4	251.0	26,900 *	200
210	8.0	146.6	12,200 *	19.9	186.1	15,900 *	24.4	199.7	17,000 *	30.4	216.2	18,800 *	35.4	227.7	20,800 *	39.6	235.8	23,000 *	43.4	241.0	24,700 *	210
220				7.4	143.8	13,000 *	15.9	171.9	15,300 *	24.1	196.4	16,900 *	30.0	211.9	18,700 *	34.9	222.4	20,600 *	39.0	229.4	22,600 *	220
230										15.4	168.0	15,200 *	23.6	191.8	16,800 *	29.4	206.3	18,500 *	34.2	215.8	20,300 *	230
240													14.6	162.2	15,100 *	22.8	185.5	16,600 *	28.6	199.1	18,300 *	240
250																13.4	154.3	15,000 *	21.8	177.5	16,400 *	250
260																			11.5	143.3	14,700 *	260

**A.I.S.C. Certified Erector****PCI P.C.I. Qualified Erector**

L. R. WILLSON & SONS, INC.

773 ANNAPOLIS ROAD • PO BOX 227

GAMBRILLS, MARYLAND 21054

www.lrwilsonandsons.com

Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Luffing Jib Capacities****M-250 SERIES 3**

Luffing Jib No. 133 or No. 133A On
 Boom No. 44 With Heavy Lift Top
 248,700 Lb. Crane Counterweight
 120,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

120 Ft. Boom, 70 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
40	67.6	194.3	165,800 *b																			40
45	63.0	191.9	154,200 *b																			45
50	58.3	189.0	139,400 *b	68.1	193.7	163,600 *b																50
55	53.3	185.5	121,600 *	63.6	191.3	153,600 *b																55
60	47.9	181.2	107,600 *	58.9	188.4	142,100 *b	64.8	191.0	158,600 *b													60
65	42.0	176.0	96,300 *	53.9	185.0	123,600 *	60.2	188.2	148,300 *b													65
70	35.3	169.5	87,000 *	48.6	180.8	109,200 *	55.3	184.9	128,500 *b													70
75	27.1	160.9	79,200 *	42.8	175.7	97,600 *	50.0	181.0	113,100 *	60.5	186.0	127,900 b										75
80	15.2	147.2	72,500 *	36.2	169.4	88,100 *	44.4	176.2	100,800 *	55.6	182.8	118,100 b										80
85				28.2	161.2	80,200 *	38.0	170.2	90,800 *	50.4	178.9	109,600										85
90				17.1	148.6	73,400 *	30.5	162.6	82,400 *	44.8	174.2	101,700 *	55.8	179.6	98,400 b							90
95							20.6	151.6	75,300 *	38.5	168.3	91,500 *	50.6	175.7	92,100							95
100										31.2	160.9	83,100 *	45.0	171.0	86,500							100
105										21.6	150.3	75,900 *	38.7	165.2	81,400	50.4	171.3	78,400				105
110													31.4	157.8	76,800	44.7	166.6	74,100				110
115													21.9	147.3	72,700	38.4	160.7	70,100				115
120																31.1	153.3	66,500	44.0	160.9	64,000	120
130																			30.1	147.2	57,900	130



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 Boom No. 44 With Heavy Lift Top
 248,700 Lb. Crane Counterweight
 120,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

M-250 SERIES 3**120 Ft. Boom, 80 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
40	70.5	205.1	160,100 *b																			40
45	66.6	203.1	150,100 *b																			45
50	62.7	200.6	138,900 *b	71.0	204.4	158,200 *b																50
55	58.5	197.7	122,300 *	67.1	202.4	148,900 *b																55
60	54.1	194.2	108,200 *	63.2	200.0	139,500 *b																60
65	49.5	190.2	96,800 *	59.0	197.1	124,400 *	64.2	199.6	145,400 *b													65
70	44.6	185.4	87,400 *	54.7	193.7	109,800 *	60.1	196.9	129,200 *													70
75	39.1	179.6	79,600 *	50.1	189.8	98,100 *	55.9	193.7	113,700 *													75
80	32.9	172.5	72,900 *	45.2	185.0	88,500 *	51.4	189.8	101,300 *	60.5	194.7	117,500										80
85	25.3	163.1	67,100 *	39.8	179.4	80,500 *	46.5	185.4	91,200 *	56.2	191.5	109,000										85
90	14.1	148.4	62,000 *	33.7	172.5	73,700 *	41.3	180.0	82,700 *	51.7	187.7	101,600										90
95				26.3	163.5	67,800 *	35.4	173.5	75,600 *	46.9	183.3	91,900 *	56.3	188.3	91,500							95
100				15.9	149.9	62,700 *	28.4	165.1	69,500 *	41.7	178.0	83,400 *	51.8	184.5	85,900							100
105							19.2	153.3	64,200 *	35.9	171.6	76,200 *	47.1	180.1	80,900							105
110										29.0	163.4	70,000 *	41.9	174.9	76,400	51.7	180.2	73,400				110
115										20.1	152.0	64,600 *	36.1	168.5	72,300	46.9	175.7	69,500				115
120													29.2	160.4	68,500	41.7	170.4	65,900				120
130																29.0	155.8	59,600	41.0	164.7	57,300	130
140																			28.0	149.7	52,200	140



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Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Luffing Jib Capacities**

Luffing Jib No. 133 or No. 133A On
 Boom No. 44 With Heavy Lift Top
 248,700 Lb. Crane Counterweight
 120,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

M-250 SERIES 3**120 Ft. Boom, 90 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
38	74.1	216.3	158,500 *b																			38
40	72.8	215.7	154,600 *b																			40
45	69.4	213.9	145,400 *b																			45
50	65.9	211.8	136,000 *b																			50
55	62.4	209.3	122,900 *	69.8	213.2	144,300 *b																55
60	58.7	206.3	108,600 *	66.4	211.1	136,400 *b																60
65	54.8	203.0	97,100 *	62.8	208.6	124,900 *	67.3	210.7	141,900 *b													65
70	50.8	199.0	87,700 *	59.1	205.8	110,300 *	63.8	208.3	129,800 *													70
75	46.5	194.5	79,800 *	55.3	202.5	98,500 *	60.1	205.6	114,100 *													75
80	41.9	189.2	73,000 *	51.3	198.6	88,800 *	56.3	202.4	101,600 *													80
85	36.7	182.9	67,200 *	47.0	194.2	80,700 *	52.4	198.7	91,400 *	60.4	203.4	108,600										85
90	30.9	175.2	62,200 *	42.5	189.0	73,900 *	48.2	194.4	83,000 *	56.6	200.2	101,200										90
95	23.7	165.2	57,700 *	37.4	182.8	68,000 *	43.7	189.4	75,800 *	52.7	196.5	92,200 *										95
100	13.2	149.5	53,800 *	31.7	175.3	62,800 *	38.8	183.5	69,600 *	48.5	192.3	83,600 *	56.7	197.0	85,400							100
105				24.7	165.7	58,300 *	33.3	176.5	64,300 *	44.1	187.4	76,300 *	52.8	193.3	80,400							105
110				15.0	151.2	54,300 *	26.7	167.5	59,600 *	39.2	181.6	70,100 *	48.6	189.1	75,900							110
115							18.1	154.9	55,500 *	33.7	174.6	64,700 *	44.2	184.2	71,900	52.7	189.0	69,100				115
120										27.3	165.9	60,000 *	39.3	178.5	68,200	48.5	184.8	65,500				120
130													27.5	162.8	60,200 *	39.1	174.0	59,200	48.0	179.2	56,900	130
140																27.2	158.2	53,900	38.5	168.2	51,800	140
150																			26.4	152.0	47,400	150



A.I.S.C. Certified Erector



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www.lrwilsonandsons.com

Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Luffing Jib Capacities**

Luffing Jib No. 133 or No. 133A On
 Boom No. 44 With Heavy Lift Top
 248,700 Lb. Crane Counterweight
 120,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

M-250 SERIES 3**120 Ft. Boom, 100 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
38	75.7	226.7	152,400 *b																			38
40	74.5	226.2	148,800 *b																			40
45	71.5	224.6	140,400 *b																			45
50	68.5	222.7	132,600 *b																			50
55	65.3	220.5	123,000 *																			55
60	62.1	217.9	108,700 *	68.9	222.0	132,200 *b																60
65	58.8	215.0	97,100 *	65.7	219.8	124,400 *																65
70	55.4	211.7	87,600 *	62.5	217.3	110,400 *	66.6	219.4	129,900 *													70
75	51.8	207.9	79,700 *	59.2	214.4	98,500 *	63.4	217.0	114,200 *													75
80	48.0	203.6	72,900 *	55.8	211.2	88,800 *	60.1	214.2	101,600 *													80
85	43.9	198.6	67,100 *	52.2	207.4	80,600 *	56.7	211.1	91,400 *													85
90	39.6	192.8	62,000 *	48.5	203.2	73,700 *	53.2	207.4	82,900 *	60.4	212.0	100,600										90
95	34.7	186.1	57,600 *	44.5	198.3	67,800 *	49.5	203.3	75,700 *	57.0	208.9	92,200 *										95
100	29.2	177.8	53,600 *	40.1	192.7	62,700 *	45.5	198.6	69,500 *	53.5	205.3	83,500 *										100
105	22.5	167.2	50,100 *	35.4	186.0	58,100 *	41.3	193.2	64,100 *	49.8	201.3	76,200 *	57.1	205.7	79,800							105
110	12.5	150.6	46,900 *	30.0	178.0	54,100 *	36.7	186.9	59,400 *	45.9	196.6	70,000 *	53.6	202.1	75,400							110
115				23.4	167.7	50,600 *	31.5	179.3	55,300 *	41.7	191.2	64,600 *	49.9	198.1	71,300							115
120				14.2	152.4	47,300 *	25.3	169.7	51,600 *	37.1	185.0	59,800 *	46.0	193.4	67,600							120
130										25.8	168.2	51,900 *	37.2	181.9	60,000 *	45.8	189.0	58,700				130
140													26.0	165.1	52,100 *	37.0	177.4	53,400	45.3	183.4	51,200	140
150																25.8	160.5	48,800	36.4	171.6	46,800	150
160																			24.9	154.2	43,000	160



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 248,700 Lb. Crane Counterweight
 120,000 Lb. Carbody Counterweight
 360 Degree Rating

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 With The Intent To Be In
 The Scope of ANSI B30.5

120 Ft. Boom, 110 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
40	76.0	236.5	140,800 *b																			40
45	73.3	235.1	134,500 *b																			45
50	70.5	233.4	127,400 *																			50
55	67.7	231.4	120,300 *																			55
60	64.9	229.2	111,900 *	70.9	232.7	127,000 *																60
65	61.9	226.6	99,900 *	68.1	230.7	120,900 *																65
70	58.9	223.7	90,100 *	65.2	228.5	113,600 *																70
75	55.8	220.4	81,900 *	62.3	226.0	101,300 *	66.0	228.1	117,500 *													75
80	52.6	216.7	74,900 *	59.3	223.1	91,300 *	63.1	225.7	104,500 *													80
85	49.2	212.5	68,900 *	56.2	219.9	82,800 *	60.1	222.9	93,900 *													85
90	45.6	207.8	63,600 *	53.0	216.2	75,700 *	57.0	219.7	85,100 *													90
95	41.8	202.4	59,100 *	49.6	212.1	69,600 *	53.8	216.2	77,600 *	60.3	220.7	93,600										95
100	37.6	196.3	55,000 *	46.0	207.5	64,300 *	50.5	212.2	71,300 *	57.3	217.6	85,700 *										100
105	33.1	189.0	51,400 *	42.3	202.2	59,600 *	47.0	207.7	65,700 *	54.1	214.1	78,200 *										105
110	27.8	180.3	48,200 *	38.2	196.1	55,500 *	43.3	202.6	60,900 *	50.8	210.1	71,800 *	57.3	214.3	74,800							110
115	21.4	169.0	45,200 *	33.7	189.1	51,900 *	39.3	196.8	56,700 *	47.3	205.7	66,200 *	54.2	210.9	70,800							115
120	11.9	151.6	40,700 *	28.5	180.5	48,600 *	34.9	190.0	52,900 *	43.6	200.6	61,300 *	50.9	206.9	67,100							120
130				13.5	153.5	42,900 *	24.1	171.9	46,500 *	35.3	188.2	53,200 *	43.7	197.5	60,700	50.7	202.6	58,100				130
140										24.6	170.3	46,700 *	35.4	185.1	53,300 *	43.5	193.1	52,900				140
150													24.8	167.3	46,800 *	35.2	180.6	48,400	43.1	187.4	46,300	150
160																24.5	162.7	44,400	34.7	174.7	42,500	160
170																			23.7	156.3	39,200	170



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 120,000 Lb. Carbody Counterweight
 360 Degree Rating

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 The Scope of ANSI B30.5

M-250 SERIES 3**120 Ft. Boom, 120 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	74.7	245.5	125,900 *b																			45
50	72.2	244.0	121,100 *																			50
55	69.7	242.2	116,700 *																			55
60	67.1	240.2	110,000 *																			60
65	64.5	237.9	99,600 *	70.0	241.5	117,000 *																65
70	61.8	235.2	89,800 *	67.4	239.5	111,200 *																70
75	59.0	232.3	81,500 *	64.8	237.2	101,000 *																75
80	56.2	229.1	74,500 *	62.1	234.6	90,900 *	65.5	236.8	104,200 *													80
85	53.2	225.5	68,500 *	59.4	231.8	82,500 *	62.8	234.3	93,600 *													85
90	50.1	221.4	63,300 *	56.5	228.6	75,400 *	60.1	231.5	84,700 *													90
95	46.9	216.9	58,700 *	53.6	225.0	69,200 *	57.3	228.4	77,300 *	63.0	232.1	93,000										95
100	43.5	211.8	54,600 *	50.5	221.0	63,900 *	54.4	224.9	70,900 *	60.3	229.3	85,400 *										100
105	39.9	206.1	51,000 *	47.3	216.5	59,200 *	51.3	221.1	65,400 *	57.5	226.3	77,800 *										105
110	36.0	199.5	47,700 *	44.0	211.5	55,100 *	48.2	216.8	60,500 *	54.6	222.8	71,400 *										110
115	31.6	191.9	44,800 *	40.4	205.9	51,400 *	44.9	211.9	56,300 *	51.6	219.0	65,800 *	57.6	223.0	70,200							115
120	26.6	182.7	42,200 *	36.5	199.5	48,200 *	41.3	206.4	52,500 *	48.4	214.7	60,900 *	54.7	219.6	66,600							120
130	11.4	152.5	35,900 *	27.2	183.0	42,500 *	33.3	193.0	46,000 *	41.6	204.5	52,800 *	48.5	211.5	60,200							130
140				12.9	154.6	37,800 *	23.0	173.9	40,800 *	33.7	191.2	46,300 *	41.7	201.3	52,900 *	48.4	207.1	52,300				140
150										23.5	172.4	41,000 *	33.8	188.1	46,400 *	41.6	196.9	47,800	48.0	201.6	45,700	150
160													23.7	169.4	41,100 *	33.6	183.6	44,000	41.1	191.2	42,000	160
170																23.4	164.7	40,500	33.1	177.7	38,700 *	170
180																22.7	158.3	35,600 *	22.7	158.3	35,600 *	180



A.I.S.C. Certified Erector



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www.lrwilsonandsons.com

Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Luffing Jib Capacities**

Luffing Jib No. 133 or No. 133A On
 Boom No. 44 With Heavy Lift Top
 248,700 Lb. Crane Counterweight
 120,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

M-250 SERIES 3**120 Ft. Boom, 130 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	75.9	255.9	116,400 *b																			45
50	73.6	254.5	112,300 *																			50
55	71.3	252.9	108,300 *																			55
60	68.9	251.0	104,500 *																			60
65	66.6	248.9	100,400 *																			65
70	64.1	246.5	90,400 *	69.2	250.3	106,300 *																70
75	61.6	243.9	82,000 *	66.9	248.2	101,900 *																75
80	59.1	241.0	74,900 *	64.4	245.9	91,600 *	67.5	247.8	105,100 *													80
85	56.5	237.8	68,800 *	61.9	243.3	83,000 *	65.1	245.5	94,300 *													85
90	53.8	234.2	63,500 *	59.4	240.4	75,800 *	62.6	243.0	85,300 *													90
95	51.0	230.3	58,800 *	56.8	237.2	69,600 *	60.1	240.2	77,700 *													95
100	48.0	225.9	54,700 *	54.1	233.7	64,200 *	57.5	237.1	71,200 *	62.8	240.8	86,000 *										100
105	45.0	221.1	51,100 *	51.3	229.8	59,400 *	54.8	233.7	65,600 *	60.3	238.0	78,300 *										105
110	41.7	215.7	47,800 *	48.4	225.5	55,300 *	52.1	229.9	60,700 *	57.7	234.9	71,700 *										110
115	38.2	209.6	44,900 *	45.4	220.8	51,600 *	49.2	225.7	56,400 *	55.0	231.5	66,100 *										115
120	34.5	202.7	42,200 *	42.1	215.4	48,200 *	46.2	221.1	52,600 *	52.3	227.8	61,100 *	57.8	231.7	66,300							120
130	25.5	184.9	37,500 *	35.0	202.6	42,500 *	39.6	210.1	46,100 *	46.4	219.0	52,900 *	52.3	224.6	59,900							130
140	10.9	153.4	32,000 *	26.1	185.3	37,800 *	32.0	195.9	40,800 *	39.9	208.1	46,300 *	46.5	215.8	53,000 *	52.2	220.2	52,100				140
150				12.3	155.7	33,800 *	22.1	175.8	36,300 *	32.3	194.1	41,000 *	40.0	205.0	46,500 *	46.4	211.4	47,600				150
160										22.5	174.4	36,500 *	32.4	191.0	41,100 *	39.9	200.6	43,700	46.0	205.8	41,700	160
170													22.7	171.4	36,600 *	32.3	186.5	40,300	39.4	194.8	38,400 *	170
180																22.5	166.7	36,500 *	31.8	180.5	35,400 *	180
190																			21.8	160.2	32,600 *	190



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 248,700 Lb. Crane Counterweight
 120,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
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M-250 SERIES 3**120 Ft. Boom, 140 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	74.8	264.9	105,000 *																			50
55	72.7	263.4	101,500 *																			55
60	70.5	261.7	97,900 *																			60
65	68.3	259.8	94,600 *																			65
70	66.1	257.6	90,000 *	70.8	261.0	99,300 *																70
75	63.8	255.2	81,600 *	68.6	259.1	96,300 *																75
80	61.5	252.6	74,500 *	66.4	256.9	91,200 *																80
85	59.1	249.7	68,400 *	64.1	254.6	82,600 *	67.0	256.5	93,900 *													85
90	56.7	246.5	63,100 *	61.8	252.0	75,400 *	64.7	254.2	84,900 *													90
95	54.2	243.0	58,400 *	59.4	249.1	69,100 *	62.4	251.7	77,300 *													95
100	51.6	239.1	54,300 *	57.0	245.9	63,700 *	60.1	248.9	70,800 *													100
105	49.0	234.9	50,600 *	54.5	242.5	59,000 *	57.7	245.8	65,200 *	62.6	249.4	77,900 *										105
110	46.2	230.2	47,300 *	52.0	238.7	54,800 *	55.2	242.4	60,300 *	60.3	246.7	71,300 *										110
115	43.2	225.1	44,400 *	49.3	234.5	51,100 *	52.7	238.7	56,000 *	57.9	243.6	65,600 *										115
120	40.1	219.3	41,700 *	46.5	229.9	47,800 *	50.0	234.6	52,100 *	55.4	240.2	60,700 *										120
130	33.2	205.6	37,100 *	40.5	219.1	42,100 *	44.4	225.2	45,600 *	50.2	232.5	52,400 *	55.5	237.0	59,300							130
140	24.5	187.1	33,100 *	33.6	205.6	37,300 *	38.1	213.5	40,300 *	44.6	223.1	45,900 *	50.3	229.3	52,600 *							140
150	10.5	154.3	28,300 *	25.1	187.5	33,400 *	30.8	198.7	35,900 *	38.4	211.6	40,500 *	44.7	220.0	46,000 *	50.2	225.0	47,000				150
160				11.9	156.7	29,900 *	21.2	177.7	32,100 *	31.1	196.9	36,100 *	38.5	208.5	40,600 *	44.6	215.6	43,200				160
170										21.7	176.3	32,300 *	31.2	193.8	36,100 *	38.3	204.0	39,800	44.2	209.9	37,800 *	170
180													21.8	173.3	32,300 *	31.0	189.3	36,100 *	37.9	198.2	34,700 *	180
190																21.6	168.6	32,300 *	30.6	183.3	32,000 *	190
200																			20.9	162.0	29,500 *	200



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Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Luffing Jib Capacities****M-250 SERIES 3**

Luffing Jib No. 133 or No. 133A On
 Boom No. 44 With Heavy Lift Top
 248,700 Lb. Crane Counterweight
 120,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

120 Ft. Boom, 150 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	75.9	275.3	99,800 *																			50
55	73.9	273.9	96,800 *																			55
60	71.9	272.3	93,800 *																			60
65	69.8	270.5	90,900 *																			65
70	67.8	268.5	88,100 *																			70
75	65.7	266.3	82,400 *	70.1	269.8	92,000 *																75
80	63.6	263.9	75,200 *	68.0	267.8	89,500 *																80
85	61.4	261.2	69,000 *	66.0	265.6	83,500 *																85
90	59.2	258.3	63,600 *	63.8	263.3	76,100 *	66.5	265.2	85,700 *													90
95	56.9	255.1	58,900 *	61.7	260.6	69,800 *	64.4	262.9	78,000 *													95
100	54.6	251.7	54,700 *	59.5	257.7	64,300 *	62.3	260.3	71,400 *													100
105	52.2	247.9	51,000 *	57.2	254.6	59,500 *	60.1	257.5	65,700 *													105
110	49.8	243.8	47,700 *	54.9	251.2	55,300 *	57.8	254.4	60,800 *	62.4	258.1	71,900 *										110
115	47.2	239.3	44,700 *	52.5	247.4	51,500 *	55.5	251.1	56,400 *	60.2	255.3	66,200 *										115
120	44.5	234.3	42,000 *	50.1	243.4	48,100 *	53.2	247.4	52,500 *	58.0	252.3	61,200 *										120
130	38.7	222.9	37,300 *	44.8	234.0	42,400 *	48.2	239.1	45,900 *	53.4	245.3	52,800 *										130
140	32.0	208.5	33,300 *	39.1	222.7	37,600 *	42.8	229.1	40,600 *	48.4	237.0	46,200 *	53.4	242.1	53,000 *							140
150	23.7	189.2	29,900 *	32.4	208.6	33,600 *	36.8	216.9	36,100 *	43.0	227.1	40,800 *	48.5	233.8	46,300 *							150
160	10.1	155.2	24,300 *	24.3	189.6	30,100 *	29.7	201.3	32,300 *	37.0	215.0	36,300 *	43.1	223.9	40,900 *	48.4	229.5	42,700				160
170				11.4	157.7	26,200 *	20.5	179.5	29,000 *	30.0	199.6	32,400 *	37.1	211.9	36,300 *	43.0	219.5	39,300				170
180										20.9	178.1	29,200 *	30.1	196.5	32,500 *	37.0	207.4	36,300 *	42.6	213.9	34,100 *	180
190													21.1	175.1	29,200 *	29.9	192.0	32,500 *	36.6	201.6	31,400 *	190
200																20.9	170.4	29,200 *	29.5	185.9	28,900 *	200
210																			20.2	163.8	26,700 *	210



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 248,700 Lb. Crane Counterweight
 120,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

M-250 SERIES 3**120 Ft. Boom, 160 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
55	74.9	284.3	89,300 *																			55
60	73.0	282.8	86,700 *																			60
65	71.2	281.1	84,100 *																			65
70	69.2	279.3	81,500 *																			70
75	67.3	277.3	79,000 *																			75
80	65.4	275.0	75,500 *	69.5	278.6	82,600 *																80
85	63.4	272.6	69,200 *	67.6	276.6	80,300 *																85
90	61.3	269.9	63,700 *	65.6	274.4	76,400 *																90
95	59.3	267.0	58,900 *	63.6	271.9	70,000 *	66.1	273.9	78,400 *													95
100	57.1	263.8	54,700 *	61.6	269.3	64,400 *	64.1	271.6	71,700 *													100
105	55.0	260.4	50,900 *	59.5	266.4	59,500 *	62.1	269.0	65,900 *													105
110	52.7	256.7	47,500 *	57.4	263.3	55,200 *	60.1	266.2	60,800 *													110
115	50.4	252.7	44,500 *	55.2	259.9	51,400 *	58.0	263.1	56,400 *	62.3	266.8	66,300 *										115
120	48.1	248.3	41,800 *	53.0	256.2	48,000 *	55.8	259.8	52,400 *	60.2	264.0	61,200 *										120
130	43.0	238.3	37,000 *	48.4	247.9	42,100 *	51.3	252.3	45,700 *	56.0	257.6	52,700 *										130
140	37.4	226.3	33,000 *	43.3	238.0	37,300 *	46.6	243.4	40,300 *	51.5	250.2	46,000 *	56.0	254.4	52,900 *							140
150	30.9	211.3	29,500 *	37.8	226.1	33,200 *	41.4	232.9	35,800 *	46.7	241.4	40,500 *	51.6	247.0	46,100 *							150
160	22.9	191.2	26,600 *	31.4	211.4	29,800 *	35.5	220.1	31,900 *	41.6	230.9	35,900 *	46.8	238.2	40,600 *	51.5	242.6	42,100				160
170	9.8	156.0	21,500 *	23.5	191.7	26,800 *	28.7	203.9	28,700 *	35.8	218.2	32,100 *	41.6	227.8	36,000 *	46.7	233.8	38,800				170
180				11.1	158.6	23,200 *	19.8	181.2	25,800 *	29.0	202.2	28,800 *	35.9	215.1	32,200 *	41.5	223.4	35,800	46.4	228.2	33,300 *	180
190										20.2	179.9	25,900 *	29.1	199.1	28,800 *	35.7	210.6	32,100 *	41.2	217.6	30,600 *	190
200													20.4	176.9	26,000 *	29.0	194.6	28,800 *	35.4	204.8	28,200 *	200
210																20.2	172.2	25,900 *	28.5	188.4	26,000 *	210
220																			19.5	165.5	24,000 *	220



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 120,000 Lb. Carbody Counterweight
 360 Degree Rating

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 With The Intent To Be In
 The Scope of ANSI B30.5

120 Ft. Boom, 170 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
55	75.8	294.6	83,900 *																			55
60	74.1	293.3	81,500 *																			60
65	72.3	291.7	79,200 *																			65
70	70.5	290.0	76,900 *																			70
75	68.7	288.1	74,600 *																			75
80	66.9	286.0	72,300 *	70.7	289.2	77,600 *																80
85	65.0	283.7	68,900 *	68.9	287.4	75,500 *																85
90	63.2	281.2	63,400 *	67.1	285.3	73,300 *																90
95	61.2	278.6	58,600 *	65.3	283.1	69,700 *	67.6	284.9	78,100 *													95
100	59.3	275.6	54,400 *	63.4	280.6	64,100 *	65.8	282.7	71,400 *													100
105	57.3	272.5	50,600 *	61.5	277.9	59,200 *	63.9	280.3	65,600 *													105
110	55.3	269.1	47,200 *	59.5	275.1	54,900 *	62.0	277.7	60,500 *													110
115	53.2	265.5	44,200 *	57.6	272.0	51,100 *	60.1	274.8	56,100 *													115
120	51.0	261.5	41,500 *	55.5	268.6	47,700 *	58.1	271.8	52,100 *	62.1	275.4	60,900 *										120
130	46.5	252.6	36,700 *	51.3	261.1	41,800 *	54.0	264.9	45,400 *	58.2	269.6	52,400 *										130
140	41.6	242.1	32,700 *	46.8	252.3	37,000 *	49.7	257.0	40,000 *	54.2	262.8	45,700 *										140
150	36.2	229.6	29,200 *	42.0	241.9	32,900 *	45.1	247.6	35,400 *	49.9	254.9	40,200 *	54.2	259.6	45,800 *							150
160	30.0	214.0	26,300 *	36.6	229.5	29,400 *	40.1	236.6	31,600 *	45.3	245.6	35,600 *	49.9	251.7	40,300 *							160
170	22.2	193.1	23,700 *	30.4	214.1	26,500 *	34.4	223.2	28,300 *	40.3	234.6	31,800 *	45.3	242.4	35,700 *	49.8	247.3	38,500				170
180	9.5	156.8	19,100 *	22.7	193.7	23,800 *	27.8	206.4	25,500 *	34.7	221.4	28,500 *	40.3	231.5	31,800 *	45.2	238.0	35,500				180
190				10.7	159.5	20,700 *	19.2	182.9	23,000 *	28.1	204.7	25,600 *	34.7	218.2	28,500 *	40.2	227.0	31,800 *	45.0	232.4	30,200 *	190
200										19.6	181.6	23,100 *	28.2	201.6	25,700 *	34.6	213.8	28,500 *	39.9	221.3	27,800 *	200
210													19.8	178.7	23,200 *	28.1	197.1	25,600 *	34.3	207.9	25,700 *	210
220																19.6	173.9	23,100 *	27.6	190.9	23,700 *	220
230																			18.9	167.2	21,800 *	230



A.I.S.C. Certified Erector



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Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Luffing Jib Capacities**

Luffing Jib No. 133 or No. 133A On
 Boom No. 44 With Heavy Lift Top
 248,700 Lb. Crane Counterweight
 120,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

M-250 SERIES 3**120 Ft. Boom, 180 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
60	75.0	303.6	76,400 *																			60
65	73.3	302.2	74,300 *																			65
70	71.6	300.6	72,200 *																			70
75	70.0	298.8	70,100 *																			75
80	68.2	296.8	67,600 *																			80
85	66.5	294.7	64,900 *	70.2	298.1	70,700 *																85
90	64.8	292.4	62,200 *	68.5	296.1	68,300 *																90
95	63.0	289.9	58,100 *	66.7	294.0	65,700 *																95
100	61.2	287.2	53,900 *	65.0	291.8	63,200 *	67.2	293.6	69,700 *													100
105	59.3	284.3	50,100 *	63.2	289.3	58,700 *	65.5	291.4	65,100 *													105
110	57.5	281.2	46,700 *	61.4	286.6	54,400 *	63.7	288.9	60,000 *													110
115	55.5	277.8	43,700 *	59.6	283.7	50,600 *	61.9	286.3	55,500 *													115
120	53.6	274.2	40,900 *	57.7	280.6	47,100 *	60.1	283.5	51,600 *													120
130	49.5	266.2	36,100 *	53.8	273.7	41,300 *	56.3	277.2	44,900 *	60.2	281.3	51,900 *										130
140	45.1	256.8	32,100 *	49.8	265.7	36,400 *	52.4	269.9	39,400 *	56.4	275.0	45,100 *										140
150	40.4	245.8	28,700 *	45.4	256.5	32,400 *	48.2	261.5	34,900 *	52.5	267.8	39,700 *	56.5	271.8	45,300 *							150
160	35.2	232.7	25,700 *	40.7	245.6	28,900 *	43.7	251.7	31,100 *	48.4	259.4	35,100 *	52.6	264.6	39,700 *							160
170	29.1	216.6	23,100 *	35.5	232.7	25,900 *	38.9	240.1	27,800 *	43.9	249.6	31,200 *	48.4	256.2	35,200 *	52.5	260.2	37,900				170
180	21.5	195.0	20,900 *	29.5	216.7	23,300 *	33.4	226.2	25,000 *	39.1	238.2	27,900 *	44.0	246.5	31,300 *	48.3	251.8	35,000				180
190	9.2	157.6	16,700 *	22.1	195.7	21,000 *	27.0	208.8	22,500 *	33.6	224.4	25,100 *	39.1	235.0	28,000 *	43.9	242.1	31,300 *				190
200				10.4	160.4	18,200 *	18.7	184.5	20,300 *	27.3	207.1	22,600 *	33.7	221.3	25,100 *	39.0	230.6	28,000 *	43.6	236.4	27,200 *	200
210										19.0	183.3	20,400 *	27.4	204.0	22,600 *	33.6	216.8	25,100 *	38.7	224.8	25,000 *	210
220													19.2	180.3	20,400 *	27.2	199.5	22,600 *	33.3	210.9	23,100 *	220
230																19.0	175.6	20,400 *	26.8	193.3	21,300 *	230
240																			18.4	168.8	19,600 *	240



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120,000 Lb. Carbody Counterweight
360 Degree Rating**

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With The Intent To Be In
The Scope of ANSI B30.5**

M-250 SERIES 3**120 Ft. Boom, 190 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
60	75.8	314.0	70,400 *																			60
65	74.2	312.6	69,700 *																			65
70	72.6	311.1	67,800 *																			70
75	71.1	309.4	65,500 *																			75
80	69.5	307.6	63,200 *																			80
85	67.8	305.6	60,700 *																			85
90	66.2	303.4	58,300 *	69.7	306.9	63,700 *																90
95	64.5	301.1	55,800 *	68.0	304.9	61,400 *																95
100	62.8	298.6	53,400 *	66.4	302.8	59,000 *																100
105	61.1	295.9	49,600 *	64.7	300.4	56,600 *	66.8	302.3	62,400 *													105
110	59.4	293.0	46,200 *	63.0	298.0	53,900 *																110
115	57.6	289.9	43,200 *	61.3	295.3	50,100 *	65.2	300.1	59,500 *													115
120	55.8	286.5	40,400 *	59.6	292.4	46,600 *	63.5	297.6	55,000 *													120
130	52.0	279.1	35,600 *	56.0	286.0	40,800 *	61.8	295.0	51,100 *													130
140	48.1	270.6	31,600 *	52.3	278.7	35,900 *	58.3	289.1	44,400 *	61.9	292.8	51,400 *										140
150	43.9	260.8	28,200 *	48.3	270.3	31,900 *	54.7	282.4	38,900 *	58.4	286.9	44,700 *										150
160	39.3	249.4	25,200 *	44.1	260.5	28,400 *	50.9	274.7	34,400 *	54.8	280.3	39,200 *										160
170	34.2	235.8	22,700 *	39.6	249.2	25,400 *	51.0	272.6	34,600 *	54.9	277.0	39,200 *	51.1	269.4	34,700 *							170
180	28.3	219.1	20,400 *	34.5	235.8	22,800 *	47.0	263.8	30,700 *	51.0	265.0	34,500 *	47.0	260.6	30,800 *	51.0	265.0	34,500 *				180
190	21.0	196.9	18,400 *	28.7	219.3	20,500 *	42.7	253.6	27,400 *	47.0	255.2	27,500 *	42.7	250.4	27,500 *	47.0	256.2	30,700 *				190
200																						200
210	8.9	158.3	14,500 *	21.5	197.5	18,500 *	38.0	241.6	24,600 *	42.7	250.4	27,500 *	38.0	238.5	24,600 *	42.6	246.0	27,500 *	46.7	250.6	26,500 *	210
220				10.1	161.3	16,000 *	26.5	209.5	19,900 *	32.7	219.7	22,100 *	26.6	206.4	19,900 *	37.9	234.1	24,600 *	42.4	240.3	24,400 *	220
230							18.5	184.9	17,900 *	26.6	206.4	19,900 *	18.7	182.0	18,000 *	32.7	219.7	22,100 *	37.7	228.2	22,500 *	230
240																						240
250																						250

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Luffing Jib No. 133 or No. 133A On
 Boom No. 44 With Heavy Lift Top
 248,700 Lb. Crane Counterweight
 120,000 Lb. Carbody Counterweight
 360 Degree Rating

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 The Scope of ANSI B30.5

M-250 SERIES 3**120 Ft. Boom, 200 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
65	75.0	323.0	63,000 *																			65
70	73.5	321.6	62,400 *																			70
75	72.0	320.0	60,900 *																			75
80	70.5	318.3	58,600 *																			80
85	69.0	316.4	56,300 *																			85
90	67.4	314.3	53,900 *	70.7	317.5	58,900 *																90
95	65.9	312.1	51,500 *	69.2	315.7	56,700 *																95
100	64.3	309.8	49,100 *	67.6	313.7	54,500 *																100
105	62.7	307.3	46,800 *	66.1	311.5	52,100 *																105
110	61.1	304.5	44,500 *	64.5	309.1	49,800 *	66.5	311.1	55,000 *													110
115	59.4	301.6	42,300 *	62.9	306.6	47,500 *	64.9	308.8	52,400 *													115
120	57.7	298.5	39,900 *	61.3	303.9	45,200 *	63.3	306.3	49,900 *													120
130	54.2	291.7	35,100 *	57.9	298.0	40,200 *	60.1	300.8	43,800 *													130
140	50.6	283.9	31,100 *	54.5	291.2	35,400 *	56.7	294.6	38,400 *	60.2	298.6	44,100 *										140
150	46.8	275.0	27,600 *	50.8	283.5	31,300 *	53.2	287.4	33,800 *	56.8	292.4	38,600 *										150
160	42.7	264.8	24,700 *	47.0	274.6	27,900 *	49.5	279.3	30,000 *	53.3	285.3	34,000 *	56.9	289.2	38,700 *							160
170	38.2	252.9	22,100 *	42.9	264.5	24,900 *	45.6	270.1	26,700 *	49.6	277.2	30,200 *	53.3	282.1	34,100 *							170
180	33.3	238.8	19,800 *	38.5	252.7	22,300 *	41.4	259.4	23,900 *	45.7	268.0	26,900 *	49.7	274.0	30,200 *							180
190	27.6	221.5	17,800 *	33.6	238.8	20,000 *	36.8	246.9	21,400 *	41.5	257.4	24,000 *	45.8	264.8	26,900 *	49.6	269.7	30,200 *				190
200	20.4	198.7	16,000 *	27.9	221.8	18,000 *	31.6	232.0	19,200 *	37.0	245.0	21,500 *	41.6	254.2	24,100 *	45.7	260.5	26,900 *				200
210	8.7	159.1	12,500 *	20.9	199.4	16,100 *	25.6	213.3	17,300 *	31.8	230.2	19,300 *	37.0	241.9	21,600 *	41.5	249.8	24,000 *	45.5	254.8	23,600 *	210
220				9.8	162.1	13,900 *	17.7	187.6	15,500 *	25.8	211.7	17,400 *	31.9	227.1	19,400 *	36.9	237.4	21,600 *	41.2	244.1	21,700 *	220
230										18.0	186.4	15,600 *	25.9	208.7	17,400 *	31.8	222.6	19,400 *	36.7	231.6	19,900 *	230
240													18.2	183.5	15,700 *	25.8	204.1	17,400 *	31.5	216.6	18,300 *	240
250																18.0	178.8	15,700 *	25.4	197.8	16,800 *	250
260																			17.4	171.8	15,400 *	260



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M-250 SERIES 3**130 Ft. Boom, 70 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
40	67.9	204.5	165,500 *b																			40
45	63.4	202.1	153,500 *b																			45
50	58.6	199.2	140,900 *b																			50
55	53.6	195.7	122,700 *b	64.7	201.9	155,100 *b																55
60	48.3	191.5	108,500 *	60.1	199.1	143,700 *b	66.4	201.6	161,200 *b													60
65	42.4	186.4	97,000 *	55.2	195.8	127,700 *b	61.8	199.1	151,700 *b													65
70	35.8	180.0	87,600 *	49.9	191.8	112,400 *	57.0	196.0	134,800 *b													70
75	27.7	171.6	79,700 *	44.2	187.0	100,300 *	51.9	192.3	118,000 *	63.0	197.2	126,800 b										75
80	16.3	158.5	73,000 *	37.9	181.0	90,300 *	46.4	187.8	104,800 *	58.2	194.2	117,100 b										80
85				30.4	173.4	82,000 *	40.3	182.3	94,100 *	53.2	190.7	108,600										85
90				20.4	162.3	74,900 *	33.3	175.4	85,200 *	47.8	186.4	101,200										90
95							24.5	165.9	77,700 *	41.9	181.2	94,700	54.2	187.8	91,000							95
100							9.7	148.5	71,200 *	35.1	174.6	87,300 *	48.9	183.7	85,400							100
105										27.0	166.0	79,500 *	43.1	178.7	80,400							105
110										14.9	152.1	72,800 *	36.5	172.5	75,900	49.5	179.7	72,900				110
115													28.7	164.3	71,800	43.8	174.8	69,000				115
120													17.9	152.1	68,100	37.4	168.8	65,400				120
130																19.5	149.5	59,100	37.6	163.6	56,800	130
140																		51,600	20.0	144.6		140



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Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
40	70.8	215.2	159,600 *b																			40
45	66.9	213.2	149,800 *b																			45
50	62.9	210.8	138,600 *b																			50
55	58.8	207.9	123,400 *	68.1	212.8	150,000 *b																55
60	54.5	204.5	109,100 *	64.1	210.5	140,700 *b																60
65	49.9	200.5	97,500 *	60.0	207.8	128,500 *b	65.6	210.3	147,700 *b													65
70	44.9	195.7	88,000 *	55.8	204.5	113,100 *	61.6	207.8	135,600 *b													70
75	39.5	190.0	80,100 *	51.3	200.7	100,800 *	57.4	204.7	118,700 *													75
80	33.3	183.0	73,300 *	46.4	196.2	90,700 *	53.0	201.1	105,300 *	62.6	205.8	116,500 b										80
85	25.9	173.9	67,500 *	41.2	190.8	82,300 *	48.3	196.8	94,500 *	58.4	202.9	108,100										85
90	15.2	159.8	62,400 *	35.3	184.2	75,300 *	43.2	191.8	85,500 *	54.1	199.4	100,700										90
95				28.3	175.9	69,200 *	37.5	185.7	78,000 *	49.5	195.4	94,200										95
100				19.0	163.9	63,900 *	31.0	178.1	71,500 *	44.5	190.5	87,600 *	54.9	196.6	84,800							100
105							22.9	167.9	66,000 *	39.0	184.7	79,800 *	50.4	192.6	79,800							105
110							9.0	149.2	61,000 *	32.7	177.6	73,100 *	45.5	188.0	75,400							110
115										25.1	168.2	67,300 *	40.1	182.4	71,300	51.0	188.6	68,300				115
120										13.8	153.3	62,200 *	34.0	175.5	67,700	46.1	184.1	64,800				120
130													16.7	153.5	61,100	34.8	171.9	58,600	46.3	178.8	56,100	130
140																18.2	151.1	53,300	35.1	166.8	51,100	140
150																			18.6	146.2	46,700	150



A.I.S.C. Certified Erector



PCI P.C.I. Qualified Erector

L. R. WILLSON & SONS, INC.

773 ANNAPOLIS ROAD • PO BOX 227

GAMBRILLS, MARYLAND 21054

www.lrwilsonandsons.com

Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Luffing Jib Capacities****M-250 SERIES 3**

Luffing Jib No. 133 or No. 133A On
 Boom No. 44 With Heavy Lift Top
 248,700 Lb. Crane Counterweight
 120,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

130 Ft. Boom, 90 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
40	73.0	225.8	153,700 *b																			40
45	69.6	224.0	144,900 *b																			45
50	66.2	221.9	135,400 *b																			50
55	62.6	219.4	124,000 *	70.6	223.6	145,000 *b																55
60	58.9	216.6	109,500 *	67.2	221.6	137,500 *b																60
65	55.1	213.2	97,900 *	63.7	219.2	128,200 *																65
70	51.1	209.3	88,300 *	60.0	216.4	113,600 *	65.0	219.0	136,200 *b													70
75	46.8	204.8	80,300 *	56.3	213.2	101,200 *	61.4	216.4	119,100 *													75
80	42.2	199.6	73,500 *	52.3	209.5	91,000 *	57.7	213.4	105,700 *													80
85	37.1	193.4	67,600 *	48.1	205.2	82,600 *	53.8	209.9	94,800 *	62.3	214.5	107,600										85
90	31.3	185.8	62,500 *	43.6	200.2	75,400 *	49.7	205.8	85,700 *	58.6	211.6	100,200										90
95	24.3	176.0	58,000 *	38.7	194.4	69,300 *	45.3	201.1	78,100 *	54.8	208.2	93,800										95
100	14.2	161.0	54,000 *	33.1	187.2	64,000 *	40.6	195.5	71,700 *	50.7	204.2	87,900 *										100
105				26.6	178.2	59,400 *	35.3	188.9	66,100 *	46.4	199.7	80,000 *	55.5	205.3	79,400							105
110				17.9	165.5	55,200 *	29.2	180.7	61,200 *	41.8	194.4	73,200 *	51.5	201.5	74,900							110
115							21.5	169.8	56,900 *	36.6	188.1	67,400 *	47.3	197.1	70,900							115
120							8.4	149.9	53,000 *	30.8	180.4	62,400 *	42.7	191.9	67,300	52.0	197.4	64,400				120
130										13.0	154.4	54,000 *	32.0	178.4	60,800	43.3	188.1	58,200				130
140													15.6	154.8	54,700 *	32.7	174.9	53,000	43.5	182.8	50,700	140
150																17.1	152.5	48,400	33.0	169.7	46,400	150
160																			17.5	147.7	42,600	160



A.I.S.C. Certified Erector



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Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Luffing Jib Capacities**

Luffing Jib No. 133 or No. 133A On
 Boom No. 44 With Heavy Lift Top
 248,700 Lb. Crane Counterweight
 120,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

M-250 SERIES 3**130 Ft. Boom, 100 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
40	74.7	236.3	147,700 *b																			40
45	71.7	234.7	139,700 *b																			45
50	68.7	232.8	132,000 *b																			50
55	65.6	230.6	123,100 *																			55
60	62.3	228.1	109,600 *	69.6	232.4	132,800 *b																60
65	59.0	225.2	97,900 *	66.5	230.3	125,400 *																65
70	55.6	221.9	88,300 *	63.3	227.9	113,700 *	67.6	230.0	132,400 *													70
75	52.0	218.2	80,200 *	60.0	225.1	101,200 *	64.5	227.7	120,100 *													75
80	48.2	213.9	73,400 *	56.6	221.9	91,000 *	61.3	225.1	106,400 *													80
85	44.2	209.0	67,500 *	53.1	218.3	82,500 *	57.9	222.0	95,300 *													85
90	39.9	203.3	62,400 *	49.4	214.2	75,300 *	54.4	218.6	86,100 *	62.1	223.1	99,700										90
95	35.1	196.6	57,900 *	45.5	209.5	69,200 *	50.8	214.7	78,400 *	58.7	220.2	93,200										95
100	29.6	188.5	53,900 *	41.2	204.0	63,900 *	46.9	210.2	71,800 *	55.3	216.9	87,500										100
105	23.0	178.0	50,400 *	36.6	197.7	59,200 *	42.8	205.0	66,200 *	51.7	213.1	80,200 *										105
110	13.5	162.2	47,100 *	31.4	190.1	55,100 *	38.4	199.1	61,200 *	47.9	208.8	73,400 *	56.0	214.0	74,300							110
115				25.2	180.5	51,400 *	33.4	191.9	56,900 *	43.9	203.8	67,500 *	52.4	210.3	70,300							115
120				16.9	166.9	48,100 *	27.6	183.2	53,000 *	39.5	198.0	62,400 *	48.7	206.1	66,700							120
130							7.9	150.5	46,400 *	29.1	182.9	54,000 *	40.4	195.6	60,300	49.1	202.1	57,600				130
140										12.3	155.4	47,200 *	30.3	181.1	54,800 *	40.9	191.8	52,400				140
150													14.8	156.1	47,900 *	31.0	177.7	48,000	41.1	186.6	45,700	150
160																16.2	153.9	44,000	31.2	172.5	42,000	160
170																			16.6	149.1	38,700	170



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 Boom No. 44 With Heavy Lift Top
 248,700 Lb. Crane Counterweight
 120,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

M-250 SERIES 3**130 Ft. Boom, 110 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	73.5	245.2	133,700 *b																			45
50	70.7	243.5	126,900 *																			50
55	67.9	241.6	119,800 *																			55
60	65.1	239.3	112,300 *																			60
65	62.1	236.8	100,700 *	68.8	241.2	121,600 *																65
70	59.1	233.9	90,700 *	65.9	239.0	114,600 *																70
75	56.0	230.6	82,400 *	63.0	236.5	104,100 *	67.0	238.7	121,500 *													75
80	52.8	227.0	75,300 *	60.0	233.8	93,500 *	64.1	236.4	108,700 *													80
85	49.4	222.8	69,300 *	57.0	230.6	84,800 *	61.1	233.7	97,400 *													85
90	45.8	218.1	64,000 *	53.8	227.1	77,400 *	58.1	230.7	88,000 *													90
95	42.0	212.8	59,400 *	50.4	223.1	71,000 *	55.0	227.3	80,100 *	61.9	231.8	92,700										95
100	37.9	206.7	55,300 *	46.9	218.6	65,500 *	51.7	223.5	73,400 *	58.9	228.9	87,000										100
105	33.4	199.6	51,600 *	43.2	213.5	60,700 *	48.2	219.2	67,600 *	55.7	225.6	81,800										105
110	28.2	191.0	48,400 *	39.2	207.6	56,500 *	44.6	214.3	62,500 *	52.5	221.9	75,000 *										110
115	21.9	179.9	45,400 *	34.8	200.8	52,700 *	40.7	208.8	58,100 *	49.1	217.7	69,000 *	56.4	222.7	69,800							115
120	12.8	163.2	41,500 *	29.8	192.7	49,300 *	36.5	202.4	54,200 *	45.5	213.0	63,800 *	53.1	219.1	66,200							120
130				16.1	168.3	43,500 *	26.3	185.5	47,500 *	37.6	201.4	55,100 *	46.2	210.4	59,800							130
140							7.5	151.1	41,400 *	27.7	185.4	48,300 *	38.4	199.1	54,400	46.7	206.4	51,900				140
150										11.7	156.4	42,700 *	28.8	183.7	48,900 *	38.9	195.4	47,500	46.8	201.2	45,200	150
160													14.1	157.3	43,200 *	29.5	180.3	43,600	39.1	190.2	41,500	160
170																15.4	155.2	40,200	29.7	175.2	38,300	170
180																			15.8	150.5	35,400 *	180



A.I.S.C. Certified Erector



P.C.I. Qualified Erector

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Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Luffing Jib Capacities**

Luffing Jib No. 133 or No. 133A On
 Boom No. 44 With Heavy Lift Top
 248,700 Lb. Crane Counterweight
 120,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

M-250 SERIES 3**130 Ft. Boom, 120 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	74.9	255.6	124,800 *b																			45
50	72.4	254.1	120,300 *																			50
55	69.8	252.3	116,000 *																			55
60	67.3	250.3	109,700 *																			60
65	64.6	248.0	100,400 *	70.6	251.9	117,300 *																65
70	62.0	245.4	90,400 *	68.0	249.9	111,900 *																70
75	59.2	242.5	82,000 *	65.4	247.7	103,800 *																75
80	56.4	239.3	75,000 *	62.8	245.2	93,200 *	66.4	247.5	108,400 *													80
85	53.4	235.7	68,900 *	60.0	242.4	84,400 *	63.8	245.1	97,000 *													85
90	50.4	231.7	63,600 *	57.2	239.3	77,000 *	61.0	242.4	87,600 *													90
95	47.2	227.2	59,000 *	54.3	235.8	70,600 *	58.3	239.4	79,700 *													95
100	43.8	222.2	54,900 *	51.3	231.9	65,100 *	55.4	236.0	73,000 *	61.7	240.5	86,400										100
105	40.2	216.5	51,200 *	48.1	227.6	60,300 *	52.4	232.3	67,200 *	59.0	237.6	81,300										105
110	36.2	210.0	48,000 *	44.8	222.7	56,100 *	49.3	228.2	62,100 *	56.1	234.3	74,600 *										110
115	31.9	202.5	45,000 *	41.3	217.3	52,300 *	46.0	223.5	57,700 *	53.2	230.7	68,600 *										115
120	27.0	193.4	42,300 *	37.4	211.0	48,900 *	42.6	218.3	53,700 *	50.1	226.6	63,400 *	56.7	231.4	65,600							120
130	12.2	164.3	36,600 *	28.5	195.3	43,100 *	34.8	205.5	47,100 *	43.5	217.0	54,700 *	50.7	223.9	59,300							130
140				15.4	169.6	38,300 *	25.1	187.7	41,600 *	35.9	204.7	47,800 *	44.1	214.5	53,900	51.1	219.8	51,300				140
150							7.2	151.7	36,600 *	26.5	187.8	42,300 *	36.7	202.5	48,500 *	44.6	210.6	46,900				150
160										11.2	157.3	37,600 *	27.5	186.1	42,800 *	37.2	198.8	43,100	44.7	205.3	40,900	160
170													13.4	158.5	38,000 *	28.2	182.8	39,700	37.3	193.6	37,700	170
180																14.7	156.5	36,700	28.4	177.7	34,700 *	180
190																			15.0	151.8	31,900 *	190



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 248,700 Lb. Crane Counterweight
 120,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

130 Ft. Boom, 130 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	73.8	264.6	111,400 *																			50
55	71.5	263.0	107,600 *																			55
60	69.1	261.1	103,900 *																			60
65	66.7	259.0	100,400 *																			65
70	64.3	256.7	91,100 *	69.8	260.7	106,200 *																70
75	61.8	254.1	82,600 *	67.4	258.7	102,700 *																75
80	59.3	251.2	75,400 *	65.0	256.4	93,900 *																80
85	56.6	248.0	69,200 *	62.6	253.9	85,000 *	65.9	256.2	97,800 *													85
90	53.9	244.5	63,800 *	60.0	251.1	77,400 *	63.5	253.7	88,200 *													90
95	51.2	240.6	59,200 *	57.4	248.0	71,000 *	61.0	251.0	80,200 *													95
100	48.2	236.2	55,000 *	54.8	244.5	65,400 *	58.4	248.1	73,400 *													100
105	45.2	231.4	51,300 *	52.0	240.7	60,500 *	55.8	244.8	67,500 *	61.6	249.1	81,000										105
110	41.9	226.1	48,000 *	49.1	236.6	56,200 *	53.0	241.1	62,400 *	59.0	246.2	75,000 *										110
115	38.5	220.0	45,100 *	46.1	231.9	52,400 *	50.2	237.1	57,900 *	56.4	243.0	68,900 *										115
120	34.7	213.2	42,400 *	42.9	226.7	49,000 *	47.2	232.6	53,900 *	53.7	239.4	63,600 *										120
130	25.9	195.7	37,700 *	35.9	214.3	43,200 *	40.8	222.0	47,100 *	48.0	231.1	54,800 *	54.2	236.6	59,000							130
140	11.7	165.3	32,600 *	27.4	197.7	38,300 *	33.4	208.5	41,600 *	41.7	220.8	47,900 *	48.6	228.4	53,700							140
150				14.7	170.9	34,300 *	24.1	189.9	37,100 *	34.4	207.8	42,300 *	42.3	218.4	48,500 *	48.9	224.4	46,700				150
160							6.9	152.3	32,700 *	25.4	190.0	37,600 *	35.2	205.6	42,800 *	42.7	214.5	42,900				160
170										10.7	158.2	33,600 *	26.4	188.5	38,100 *	35.6	202.0	39,500	42.8	209.3	37,500 *	170
180													12.9	159.6	34,000 *	27.0	185.2	36,600	35.8	196.8	34,500 *	180
190																14.1	157.7	33,900	27.2	180.1	31,800 *	190
200																			14.4	153.0	29,300 *	200



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120,000 Lb. Carbody Counterweight
360 Degree Rating**

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

M-250 SERIES 3**130 Ft. Boom, 140 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	75.0	275.0	104,100 *																			50
55	72.8	273.5	100,700 *																			55
60	70.7	271.8	97,400 *																			60
65	68.5	269.9	94,200 *																			65
70	66.3	267.8	90,700 *																			70
75	64.0	265.4	82,100 *	69.1	269.5	96,200 *																75
80	61.7	262.8	74,900 *	66.9	267.4	93,300 *																80
85	59.3	259.9	68,800 *	64.7	265.1	84,600 *	67.7	267.1	97,400 *													85
90	56.9	256.7	63,400 *	62.4	262.5	77,000 *	65.5	264.9	87,800 *													90
95	54.4	253.2	58,700 *	60.0	259.7	70,600 *	63.2	262.4	79,800 *													95
100	51.8	249.4	54,600 *	57.6	256.7	65,000 *	60.9	259.7	72,900 *													100
105	49.1	245.2	50,900 *	55.2	253.3	60,100 *	58.5	256.7	67,000 *													105
110	46.4	240.6	47,600 *	52.6	249.5	55,800 *	56.1	253.4	61,900 *	61.5	257.8	74,600 *										110
115	43.4	235.4	44,600 *	50.0	245.5	52,000 *	53.5	249.9	57,400 *	59.1	254.9	68,500 *										115
120	40.3	229.8	41,900 *	47.2	241.0	48,600 *	50.9	245.9	53,400 *	56.7	251.7	63,100 *										120
130	33.4	216.2	37,200 *	41.3	230.5	42,700 *	45.4	236.8	46,700 *	51.6	244.3	54,400 *	57.2	248.7	58,400							130
140	24.9	197.9	33,200 *	34.5	217.4	37,900 *	39.3	225.6	41,200 *	46.1	235.4	47,400 *	52.1	241.5	53,100							140
150	11.3	166.2	28,900 *	26.3	200.0	33,800 *	32.1	211.4	36,600 *	40.1	224.5	41,800 *	46.7	232.8	48,100 *	52.4	237.5	46,100				150
160				14.2	172.1	30,300 *	23.2	191.9	32,700 *	33.1	210.8	37,100 *	40.7	222.1	42,300 *	47.0	228.8	42,300				160
170							6.6	152.8	29,100 *	24.4	192.2	33,200 *	33.8	208.7	37,600 *	41.1	218.3	39,000	47.1	223.6	36,800 *	170
180										10.3	159.1	29,800 *	25.4	190.7	33,600 *	34.3	205.1	36,000	41.2	213.1	33,800 *	180
190													12.4	160.6	30,100 *	26.0	187.5	33,400	34.4	199.9	31,100 *	190
200																13.6	158.9	30,400 *	26.2	182.5	28,700 *	200
210																			13.9	154.2	26,400 *	210



A.I.S.C. Certified Erector



P.C.I. Qualified Erector

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Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Luffing Jib Capacities****M-250 SERIES 3**

Luffing Jib No. 133 or No. 133A On
 Boom No. 44 With Heavy Lift Top
 248,700 Lb. Crane Counterweight
 120,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

130 Ft. Boom, 150 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	76.0	285.4	98,700 *																			50
55	74.0	284.0	95,900 *																			55
60	72.0	282.4	93,100 *																			60
65	70.0	280.6	90,300 *																			65
70	67.9	278.7	87,700 *																			70
75	65.8	276.5	83,000 *	70.6	280.2	91,800 *																75
80	63.7	274.1	75,700 *	68.5	278.2	89,400 *																80
85	61.6	271.4	69,400 *	66.5	276.1	85,500 *																85
90	59.4	268.5	64,000 *	64.4	273.8	77,800 *	67.2	275.8	88,700 *													90
95	57.1	265.4	59,200 *	62.2	271.2	71,200 *	65.1	273.6	80,600 *													95
100	54.8	261.9	55,000 *	60.0	268.4	65,600 *	63.0	271.1	73,600 *													100
105	52.4	258.2	51,300 *	57.8	265.3	60,600 *	60.8	268.4	67,600 *													105
110	49.9	254.1	47,900 *	55.5	262.0	56,300 *	58.6	265.4	62,400 *													110
115	47.4	249.6	44,900 *	53.1	258.3	52,400 *	56.3	262.1	57,900 *	61.4	266.5	69,100 *										115
120	44.7	244.7	42,200 *	50.7	254.3	48,900 *	54.0	258.6	53,800 *	59.2	263.5	63,700 *										120
130	38.9	233.3	37,400 *	45.5	245.2	43,000 *	49.1	250.5	47,000 *	54.6	256.9	54,800 *										130
140	32.2	219.1	33,400 *	39.8	234.1	38,100 *	43.8	240.8	41,400 *	49.7	249.0	47,800 *	55.0	254.0	52,600							140
150	24.0	200.0	30,000 *	33.3	220.4	34,000 *	37.9	229.1	36,800 *	44.5	239.5	42,100 *	50.2	246.2	48,100							150
160	10.9	167.1	24,800 *	25.4	202.3	30,500 *	31.0	214.2	32,900 *	38.6	228.0	37,400 *	45.0	236.9	42,600 *	50.5	242.2	41,800				160
170				13.7	173.3	27,300 *	22.4	193.9	29,600 *	31.9	213.6	33,400 *	39.2	225.7	37,800 *	45.3	233.0	38,500				170
180							6.4	153.3	25,100 *	23.6	194.2	30,000 *	32.6	211.6	33,700 *	39.6	221.9	35,600	45.4	227.8	33,100 *	180
190										9.9	160.0	27,000 *	24.5	192.9	30,300 *	33.1	208.1	33,000	39.7	216.7	30,400 *	190
200													12.0	161.6	27,300 *	25.1	189.7	30,500 *	33.2	202.9	28,100 *	200
210																13.1	160.0	27,500 *	25.2	184.7	25,900 *	210
220																			13.4	155.4	23,900 *	220

**A.I.S.C. Certified Erector****PCI P.C.I. Qualified Erector**

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Luffing Jib No. 133 or No. 133A On
 Boom No. 44 With Heavy Lift Top
 248,700 Lb. Crane Counterweight
 120,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

M-250 SERIES 3**130 Ft. Boom, 160 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
55	75.0	294.4	88,500 *																			55
60	73.2	292.9	86,000 *																			60
65	71.3	291.3	83,500 *																			65
70	69.4	289.4	81,000 *																			70
75	67.4	287.4	78,700 *																			75
80	65.5	285.2	76,000 *	70.0	289.0	82,400 *																80
85	63.5	282.7	69,600 *	68.0	287.0	80,200 *																85
90	61.5	280.1	64,100 *	66.1	284.8	78,100 *																90
95	59.4	277.2	59,200 *	64.1	282.5	71,500 *	66.8	284.6	81,000 *													95
100	57.3	274.1	55,000 *	62.1	279.9	65,700 *	64.8	282.3	73,900 *													100
105	55.1	270.6	51,200 *	60.0	277.1	60,700 *	62.8	279.8	67,800 *													105
110	52.9	267.0	47,800 *	57.9	274.0	56,200 *	60.8	277.0	62,500 *													110
115	50.6	262.9	44,700 *	55.8	270.7	52,300 *	58.7	274.1	57,900 *													115
120	48.2	258.6	41,900 *	53.6	267.1	48,800 *	56.6	270.8	53,700 *	61.3	275.1	63,800 *										120
130	43.2	248.7	37,100 *	48.9	258.9	42,800 *	52.1	263.5	46,800 *	57.1	269.0	54,700 *										130
140	37.6	236.7	33,100 *	44.0	249.3	37,800 *	47.4	254.9	41,200 *	52.7	261.9	47,600 *	57.5	266.1	52,000							140
150	31.2	221.9	29,600 *	38.5	237.6	33,700 *	42.3	244.7	36,500 *	48.0	253.5	41,800 *	53.1	259.1	47,500							150
160	23.2	202.0	26,700 *	32.2	223.3	30,200 *	36.6	232.4	32,600 *	43.0	243.5	37,000 *	48.5	250.8	42,400 *							160
170	10.5	168.0	22,000 *	24.6	204.4	27,100 *	30.0	216.9	29,200 *	37.3	231.4	33,000 *	43.5	241.0	37,500 *	48.8	246.8	37,900				170
180				13.2	174.4	24,300 *	21.6	195.8	26,300 *	30.9	216.4	29,600 *	37.9	229.1	33,400 *	43.8	237.1	35,000				180
190							6.1	153.8	22,300 *	22.8	196.3	26,600 *	31.6	214.5	29,900 *	38.3	225.4	32,400	43.9	231.8	29,700 *	190
200										9.6	160.8	24,000 *	23.7	195.0	26,900 *	32.0	210.9	30,100 *	38.4	220.2	27,300 *	200
210													11.6	162.6	24,300 *	24.3	191.9	27,100 *	32.1	205.8	25,200 *	210
220																12.6	161.1	24,400 *	24.4	186.8	23,200 *	220
230																			12.9	156.5	21,400 *	230



A.I.S.C. Certified Erector



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Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Luffing Jib Capacities****M-250 SERIES 3**

Luffing Jib No. 133 or No. 133A On
 Boom No. 44 With Heavy Lift Top
 248,700 Lb. Crane Counterweight
 120,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

130 Ft. Boom, 170 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
55	75.9	304.7	83,000 *																			55
60	74.2	303.3	80,800 *																			60
65	72.4	301.8	78,600 *																			65
70	70.6	300.1	76,400 *																			70
75	68.8	298.2	74,100 *																			75
80	67.0	296.1	72,000 *																			80
85	65.2	293.9	69,300 *	69.4	297.8	75,400 *																85
90	63.3	291.4	63,800 *	67.6	295.8	73,400 *																90
95	61.4	288.7	58,900 *	65.7	293.5	71,000 *																95
100	59.4	285.9	54,700 *	63.9	291.1	65,400 *	66.4	293.3	73,600 *													100
105	57.5	282.7	50,900 *	62.0	288.5	60,400 *	64.5	291.0	67,500 *													105
110	55.4	279.4	47,500 *	60.0	285.7	55,900 *	62.7	288.4	62,200 *													110
115	53.3	275.7	44,400 *	58.0	282.7	52,000 *	60.7	285.7	57,600 *													115
120	51.2	271.8	41,600 *	56.0	279.4	48,500 *	58.8	282.7	53,400 *													120
130	46.7	262.9	36,800 *	51.8	272.0	42,500 *	54.7	276.1	46,500 *	59.3	280.9	54,400 *										130
140	41.8	252.5	32,800 *	47.4	263.3	37,500 *	50.5	268.3	40,900 *	55.2	274.3	47,300 *										140
150	36.4	240.0	29,300 *	42.6	253.2	33,400 *	45.9	259.2	36,200 *	51.0	266.7	41,500 *	55.6	271.4	47,200 *							150
160	30.2	224.6	26,400 *	37.3	241.0	29,800 *	41.0	248.5	32,200 *	46.5	257.8	36,700 *	51.4	263.9	42,000 *							160
170	22.5	204.0	23,800 *	31.2	226.1	26,800 *	35.5	235.6	28,900 *	41.6	247.3	32,700 *	46.9	255.1	37,200 *	51.7	259.9	37,600 *				170
180	10.2	168.9	19,500 *	23.8	206.5	24,100 *	29.1	219.5	26,000 *	36.2	234.7	29,300 *	42.1	244.8	33,100 *	47.2	251.2	34,700 *				180
190				12.8	175.5	21,600 *	21.0	197.6	23,400 *	29.9	219.1	26,300 *	36.7	232.5	29,600 *	42.4	241.0	32,100 *	47.3	245.9	29,300 *	190
200							5.9	154.3	19,900 *	22.1	198.2	23,700 *	30.6	217.2	26,600 *	37.1	228.8	29,800 *	42.5	235.8	26,900 *	200
210										9.3	161.5	21,400 *	23.0	197.0	24,000 *	31.0	213.7	26,800 *	37.2	223.6	24,800 *	210
220													11.2	163.6	21,700 *	23.5	193.9	24,200 *	31.1	208.6	22,900 *	220
230																12.3	162.1	21,800 *	23.7	188.9	21,100 *	230
240																			12.5	157.5	19,400 *	240

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 360 Degree Rating

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 The Scope of ANSI B30.5

M-250 SERIES 3**130 Ft. Boom, 180 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
60	75.1	313.7	75,700 *																			60
65	73.4	312.3	73,700 *																			65
70	71.8	310.7	71,700 *																			70
75	70.1	308.9	69,600 *																			75
80	68.4	307.0	67,400 *																			80
85	66.6	304.9	64,800 *	70.6	308.4	70,500 *																85
90	64.9	302.6	62,200 *	68.9	306.6	68,600 *																90
95	63.1	300.1	58,400 *	67.2	304.5	66,000 *																95
100	61.3	297.4	54,100 *	65.4	302.3	63,600 *	67.8	304.2	70,100 *													100
105	59.5	294.5	50,300 *	63.6	299.8	59,800 *	66.1	302.0	67,000 *													105
110	57.6	291.4	46,900 *	61.9	297.2	55,400 *	64.3	299.6	61,700 *													110
115	55.7	288.1	43,900 *	60.0	294.4	51,500 *	62.5	297.1	57,000 *													115
120	53.7	284.5	41,100 *	58.2	291.3	47,900 *	60.7	294.4	52,900 *													120
130	49.6	276.4	36,300 *	54.3	284.5	41,900 *	57.0	288.2	46,000 *	61.2	292.4	53,900 *										130
140	45.3	267.1	32,200 *	50.3	276.7	37,000 *	53.1	281.1	40,300 *	57.4	286.4	46,800 *										140
150	40.6	256.2	28,800 *	46.0	267.6	32,800 *	48.9	272.9	35,600 *	53.5	279.4	41,000 *	57.8	283.4	46,700 *							150
160	35.4	243.2	25,800 *	41.3	257.0	29,300 *	44.5	263.3	31,700 *	49.5	271.3	36,200 *	53.9	276.6	41,500 *							160
170	29.3	227.2	23,200 *	36.2	244.3	26,300 *	39.7	252.1	28,300 *	45.1	262.0	32,200 *	49.9	268.6	36,600 *							170
180	21.8	205.9	20,900 *	30.3	228.8	23,600 *	34.4	238.7	25,400 *	40.4	251.0	28,700 *	45.5	259.4	32,600 *	50.1	264.6	34,200 *				180
190	9.9	169.7	17,100 *	23.1	208.6	21,300 *	28.2	222.0	22,900 *	35.1	237.9	25,800 *	40.8	248.6	29,100 *	45.8	255.5	31,600 *				190
200				12.4	176.6	19,100 *	20.3	199.4	20,600 *	29.0	221.7	23,200 *	35.7	235.7	26,100 *	41.1	244.8	29,300 *	45.9	250.2	26,300 *	200
210							5.8	154.8	17,500 *	21.5	200.1	20,900 *	29.7	219.8	23,500 *	36.0	232.0	26,300 *	41.2	239.5	24,200 *	210
220										9.0	162.3	18,900 *	22.3	199.0	21,200 *	30.1	216.4	23,600 *	36.1	226.9	22,200 *	220
230													10.9	164.5	19,100 *	22.8	195.9	21,300 *	30.2	211.3	20,500 *	230
240																11.9	163.1	19,200 *	23.0	191.0	18,900 *	240
250																			12.2	158.6	17,300 *	250



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Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Luffing Jib Capacities**

**Luffing Jib No. 133 or No. 133A On
Boom No. 44 With Heavy Lift Top
248,700 Lb. Crane Counterweight
120,000 Lb. Carbody Counterweight
360 Degree Rating**

**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**

M-250 SERIES 3**130 Ft. Boom, 190 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
60	75.9	324.1	69,300 *																			60
65	74.3	322.7	68,700 *																			65
70	72.8	321.2	67,400 *																			70
75	71.2	319.5	65,200 *																			75
80	69.6	317.7	62,900 *																			80
85	67.9	315.7	60,600 *																			85
90	66.3	313.6	58,200 *	70.0	317.3	63,700 *																90
95	64.6	311.3	55,800 *	68.4	315.3	61,600 *																95
100	63.0	308.8	53,400 *	66.8	313.2	59,300 *																100
105	61.2	306.1	49,800 *	65.1	311.0	57,000 *	67.4	312.9	62,900 *													105
110	59.5	303.2	46,400 *	63.5	308.5	54,700 *	65.7	310.7	60,400 *													110
115	57.7	300.1	43,400 *	61.8	305.9	51,000 *	64.1	308.3	56,500 *													115
120	55.9	296.8	40,600 *	60.0	303.0	47,400 *	62.4	305.8	52,400 *													120
130	52.2	289.4	35,800 *	56.5	296.8	41,400 *	58.9	300.1	45,500 *	62.8	303.8	53,400 *										130
140	48.2	281.0	31,700 *	52.7	289.5	36,500 *	55.3	293.5	39,800 *	59.3	298.2	46,300 *										140
150	44.0	271.2	28,300 *	48.8	281.3	32,300 *	51.5	286.0	35,100 *	55.8	291.7	40,500 *										150
160	39.4	259.8	25,300 *	44.7	271.7	28,800 *	47.5	277.3	31,200 *	52.0	284.3	35,700 *	56.1	288.8	41,000 *							160
170	34.4	246.3	22,700 *	40.2	260.6	25,800 *	43.3	267.3	27,800 *	48.0	275.8	31,700 *	52.4	281.5	36,100 *							170
180	28.5	229.7	20,500 *	35.2	247.5	23,100 *	38.6	255.6	24,900 *	43.8	266.0	28,200 *	48.4	273.1	32,100 *	52.6	277.5	33,700				180
190	21.2	207.8	18,400 *	29.5	231.4	20,800 *	33.5	241.7	22,400 *	39.2	254.6	25,300 *	44.2	263.5	28,600 *	48.7	269.2	31,100				190
200	9.6	170.6	14,900 *	22.5	210.6	18,700 *	27.4	224.4	20,200 *	34.1	241.0	22,700 *	39.7	252.2	25,600 *	44.5	259.6	28,800 *				200
210				12.1	177.6	16,700 *	19.8	201.1	18,200 *	28.2	224.2	20,400 *	34.7	238.8	23,000 *	40.0	248.4	25,800 *	44.6	254.3	23,500 *	210
220							5.6	155.2	15,300 *	20.9	201.9	18,400 *	28.9	222.4	20,700 *	35.0	235.2	23,100 *	40.1	243.2	21,600 *	220
230										8.8	163.0	16,600 *	21.7	200.9	18,600 *	29.3	219.0	20,800 *	35.1	230.0	19,900 *	230
240													10.6	165.4	16,800 *	22.2	197.9	18,800 *	29.4	213.9	18,300 *	240
250																11.6	164.1	16,900 *	22.3	192.9	16,800 *	250
260																			11.8	159.6	15,300 *	260

**A.I.S.C. Certified Erector****PCI P.C.I. Qualified Erector**

L. R. WILLSON & SONS, INC.

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Manitowoc Cranes, Inc.

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**Liftcrane Luffing Jib Capacities**

**Luffing Jib No. 133 or No. 133A On
Boom No. 44 With Heavy Lift Top
248,700 Lb. Crane Counterweight
120,000 Lb. Carbody Counterweight
360 Degree Rating**

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

M-250 SERIES 3**130 Ft. Boom, 200 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
65	75.1	333.1	62,100 *																			65
70	73.6	331.7	61,500 *																			70
75	72.1	330.1	60,600 *																			75
80	70.6	328.4	58,400 *																			80
85	69.1	326.5	56,100 *																			85
90	67.6	324.5	53,800 *																			90
95	66.0	322.3	51,500 *	69.6	326.1	56,900 *																95
100	64.4	320.0	49,200 *	68.0	324.1	54,800 *																100
105	62.8	317.4	46,900 *	66.5	321.9	52,600 *																105
110	61.2	314.7	44,700 *	64.9	319.6	50,300 *	67.0	321.7	55,600 *													110
115	59.5	311.8	42,500 *	63.3	317.2	48,000 *	65.5	319.4	53,100 *													115
120	57.8	308.8	40,100 *	61.7	314.5	45,800 *	63.9	317.0	50,700 *													120
130	54.4	301.9	35,200 *	58.3	308.7	40,900 *	60.6	311.7	44,900 *													130
140	50.7	294.2	31,200 *	54.9	302.0	35,900 *	57.3	305.6	39,300 *	61.0	309.8	45,700 *										140
150	46.9	285.3	27,700 *	51.3	294.4	31,800 *	53.8	298.6	34,600 *	57.7	303.8	39,900 *										150
160	42.8	275.1	24,800 *	47.5	285.7	28,300 *	50.1	290.7	30,600 *	54.2	296.9	35,100 *	58.0	300.8	40,500 *							160
170	38.4	263.3	22,200 *	43.5	275.7	25,200 *	46.3	281.6	27,300 *	50.6	289.1	31,100 *	54.6	294.0	35,600 *							170
180	33.5	249.3	19,900 *	39.1	264.2	22,600 *	42.1	271.2	24,400 *	46.7	280.2	27,700 *	50.9	286.3	31,500 *							180
190	27.8	232.2	17,900 *	34.2	250.6	20,300 *	37.6	259.1	21,800 *	42.6	269.9	24,700 *	47.1	277.5	28,000 *	51.2	282.3	30,600				190
200	20.7	209.6	16,100 *	28.7	234.0	18,200 *	32.6	244.6	19,600 *	38.2	258.1	22,200 *	43.1	267.4	25,000 *	47.4	273.6	28,200 *				200
210	9.4	171.3	12,900 *	21.9	212.5	16,400 *	26.7	226.8	17,600 *	33.2	244.0	19,900 *	38.6	255.7	22,400 *	43.3	263.6	25,200 *	47.4	268.3	22,700 *	210
220				11.8	178.6	14,600 *	19.3	202.8	15,800 *	27.5	226.6	17,900 *	33.7	241.9	20,100 *	38.9	252.0	22,600 *	43.4	258.3	20,800 *	220
230							5.4	155.7	13,300 *	20.3	203.7	16,100 *	28.1	224.9	18,100 *	34.1	238.3	20,300 *	39.0	246.8	19,100 *	230
240										8.5	163.8	14,400 *	21.1	202.7	16,300 *	28.5	221.6	18,200 *	34.2	233.1	17,500 *	240
250													10.3	166.3	14,600 *	21.6	199.8	16,400 *	28.6	216.5	16,100 *	250
260																11.3	165.1	14,700 *	21.8	194.8	14,700 *	260
270																			11.5	160.6	13,400 *	270



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**Liftcrane Luffing Jib Capacities**

Luffing Jib No. 133 or No. 133A On
 Boom No. 44 With Heavy Lift Top
 248,700 Lb. Crane Counterweight
 120,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

M-250 SERIES 3**140 Ft. Boom, 70 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	63.7	212.3	152,200 *b																			45
50	59.0	209.4	140,800 *b																			50
55	54.0	206.0	123,800 *b	65.8	212.4	155,800 *b																55
60	48.7	201.8	109,400 *	61.2	209.8	144,400 *b	67.9	212.3	162,200 *b													60
65	42.8	196.8	97,800 *	56.4	206.6	132,000 *b	63.4	209.9	151,600 *b													65
70	36.3	190.5	88,200 *	51.2	202.8	115,800 *	58.7	207.0	140,700 *b													70
75	28.4	182.3	80,200 *	45.7	198.2	103,000 *	53.7	203.5	123,400 *b													75
80	17.3	169.8	73,400 *	39.5	192.6	92,500 *	48.4	199.3	109,100 *	60.7	205.5	115,800 b										80
85				32.3	185.4	83,900 *	42.5	194.2	97,500 *	55.8	202.2	107,400 b										85
90				23.2	175.4	76,600 *	35.9	187.8	88,100 *	50.6	198.4	100,100										90
95				5.1	153.9	69,400 *	27.9	179.4	80,100 *	45.0	193.7	93,700	57.6	199.6	89,500 b							95
100							16.5	166.5	73,400 *	38.8	187.9	87,900	52.5	196.0	84,000							100
105										31.4	180.5	82,800	47.1	191.6	79,100							105
110										22.0	170.1	76,100 *	41.1	186.3	74,700							110
115													34.2	179.5	70,700	48.7	188.1	67,500				115
120													25.8	170.5	67,000	42.9	183.0	64,000	44.0	178.3	55,300	120
130																28.4	168.6	57,900	30.1	164.5	50,300	130
140																						140



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M-250 SERIES 3**140 Ft. Boom, 80 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	67.2	223.4	148,300 *b																			45
50	63.2	221.0	137,600 *b																			50
55	59.1	218.1	124,600 *b	69.0	223.3	150,300 *b																55
60	54.8	214.7	110,000 *	65.1	221.1	141,200 *b																60
65	50.2	210.8	98,300 *	61.1	218.4	131,400 *b	67.0	221.0	147,400 *b													65
70	45.3	206.1	88,600 *	56.8	215.3	116,500 *	63.0	218.5	138,500 *b													70
75	39.9	200.4	80,600 *	52.4	211.6	103,500 *	58.9	215.7	125,000 *													75
80	33.8	193.5	73,700 *	47.7	207.3	93,000 *	54.5	212.3	110,300 *													80
85	26.4	184.6	67,900 *	42.5	202.1	84,300 *	49.9	208.3	98,600 *	60.6	214.1	106,800 b										85
90	16.1	171.1	62,700 *	36.8	195.9	76,900 *	45.0	203.5	88,900 *	56.4	210.9	99,600										90
95				30.1	188.1	70,600 *	39.6	197.8	80,800 *	51.9	207.2	93,100										95
100				21.6	177.3	65,100 *	33.4	190.8	74,000 *	47.1	202.8	87,400	57.9	208.3	83,400							100
105				4.7	154.2	59,700 *	26.0	181.7	68,100 *	41.9	197.5	82,300	53.5	204.8	78,500							105
110							15.4	167.8	62,900 *	36.1	191.2	76,800 *	48.9	200.6	74,100							110
115										29.3	183.1	70,500 *	43.8	195.7	70,200							115
120										20.5	171.8	65,000 *	38.3	189.8	66,500	50.2	197.0	63,400				120
130													24.0	172.6	60,200	39.9	186.7	57,400				130
140																26.5	170.9	52,200	41.0	182.0	49,700	140
150																28.0			28.0	167.0	45,400	150



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 248,700 Lb. Crane Counterweight
 120,000 Lb. Carbody Counterweight
 360 Degree Rating

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 The Scope of ANSI B30.5

140 Ft. Boom, 90 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
40	73.2	235.9	152,500 *b																			40
45	69.9	234.2	144,100 *b																			45
50	66.4	232.1	134,400 *b																			50
55	62.9	229.6	125,100 *																			55
60	59.2	226.8	110,400 *	68.0	232.0	136,800 *b																60
65	55.4	223.4	98,600 *	64.6	229.7	128,800 *b																65
70	51.4	219.6	88,900 *	60.9	227.1	117,000 *	66.2	229.7	134,900 *b													70
75	47.1	215.2	80,800 *	57.2	224.0	103,900 *	62.7	227.2	125,500 *													75
80	42.5	210.0	73,900 *	53.3	220.4	93,300 *	59.0	224.3	110,700 *													80
85	37.5	203.9	68,000 *	49.2	216.3	84,500 *	55.2	221.0	98,900 *													85
90	31.8	196.4	62,900 *	44.7	211.5	77,100 *	51.1	217.1	89,200 *	60.5	222.8	99,100										90
95	24.9	186.8	58,300 *	39.9	205.8	70,700 *	46.9	212.6	81,000 *	56.8	219.6	92,700										95
100	15.2	172.4	54,300 *	34.6	199.0	65,200 *	42.3	207.4	74,100 *	52.8	216.0	87,000										100
105				28.3	190.6	60,500 *	37.2	201.2	68,200 *	48.7	211.8	81,900										105
110				20.3	179.1	56,200 *	31.4	193.7	63,000 *	44.2	206.9	76,900 *	54.3	213.5	73,700							110
115				4.3	154.5	52,000 *	24.4	183.9	58,500 *	39.4	201.2	70,600 *	50.2	209.5	69,700							115
120							14.4	169.0	54,500 *	33.9	194.2	65,200 *	45.9	204.9	66,100							120
130										19.2	173.5	56,200 *	36.0	193.0	59,800	47.1	201.4	56,900				130
140													22.6	174.6	54,400	37.5	190.1	51,800	48.0	196.5	49,200	140
150																24.9	173.1	47,400	38.5	185.6	45,000	150
160																			26.4	169.3	41,400	160



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 360 Degree Rating

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 The Scope of ANSI B30.5

M-250 SERIES 3**140 Ft. Boom, 100 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
40	75.0	246.4	145,200 *b																			40
45	72.0	244.8	137,700 *b																			45
50	68.9	243.0	130,200 *b																			50
55	65.8	240.8	121,800 *																			55
60	62.6	238.3	111,200 *	70.4	242.8	132,100 *b																60
65	59.3	235.4	99,200 *	67.3	240.8	125,200 *																65
70	55.9	232.2	89,300 *	64.1	238.4	117,500 *																70
75	52.3	228.4	81,100 *	60.8	235.7	104,600 *	65.6	238.4	123,900 *													75
80	48.5	224.2	74,100 *	57.5	232.7	93,800 *	62.4	235.9	110,800 *													80
85	44.5	219.3	68,100 *	54.0	229.2	84,900 *	59.1	233.0	98,900 *													85
90	40.2	213.7	62,900 *	50.3	225.2	77,300 *	55.7	229.7	89,100 *													90
95	35.5	207.1	58,400 *	46.4	220.6	70,900 *	52.1	225.9	80,900 *	60.5	231.4	92,100										95
100	30.1	199.1	54,400 *	42.3	215.4	65,400 *	48.3	221.7	74,000 *	57.1	228.3	86,400										100
105	23.5	188.9	50,700 *	37.8	209.3	60,500 *	44.3	216.8	68,000 *	53.6	224.8	81,400										105
110	14.3	173.6	47,500 *	32.7	202.0	56,200 *	40.0	211.1	62,900 *	49.9	220.7	76,800 *										110
115				26.8	193.0	52,400 *	35.2	204.4	58,300 *	46.0	216.1	70,500 *	54.9	222.3	69,100							115
120				19.2	180.8	49,000 *	29.7	196.3	54,300 *	41.8	210.8	65,000 *	51.3	218.4	65,500							120
130							13.6	170.2	47,500 *	32.1	197.1	56,000 *	43.4	208.9	59,300	52.3	214.7	56,200				130
140										18.2	175.1	48,900 *	34.0	196.1	53,900	44.5	205.6	51,200				140
150													21.4	176.5	49,300	35.5	193.4	46,800	45.3	200.7	44,400	150
160																23.6	175.2	43,000	36.4	188.9	40,800	160
170																			24.9	171.5	37,600	170



A.I.S.C. Certified Erector



P.C.I. Qualified Erector

L. R. WILLSON & SONS, INC.

773 ANNAPOLIS ROAD • PO BOX 227

GAMBRILLS, MARYLAND 21054

www.lrwilsonandsons.com

Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Luffing Jib Capacities****M-250 SERIES 3**

Luffing Jib No. 133 or No. 133A On
 Boom No. 44 With Heavy Lift Top
 248,700 Lb. Crane Counterweight
 120,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

140 Ft. Boom, 110 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	73.7	255.3	132,500 *b																			45
50	70.9	253.6	126,100 *b																			50
55	68.1	251.7	118,900 *																			55
60	65.3	249.5	111,700 *																			60
65	62.3	247.0	101,500 *	69.4	251.6	121,200 *																65
70	59.3	244.1	91,400 *	66.6	249.5	115,000 *																70
75	56.2	240.9	82,900 *	63.7	247.1	107,000 *	68.0	249.3	121,000 *													75
80	53.0	237.2	75,800 *	60.8	244.4	95,900 *	65.1	247.1	113,300 *													80
85	49.7	233.1	69,700 *	57.7	241.3	86,800 *	62.2	244.5	101,100 *													85
90	46.1	228.5	64,300 *	54.6	237.9	79,100 *	59.2	241.7	91,000 *													90
95	42.3	223.2	59,700 *	51.3	234.0	72,500 *	56.1	238.4	82,700 *													95
100	38.2	217.2	55,600 *	47.8	229.7	66,800 *	52.8	234.7	75,600 *	60.4	240.1	85,900										100
105	33.7	210.1	51,900 *	44.1	224.7	61,800 *	49.5	230.6	69,500 *	57.4	237.0	80,800										105
110	28.6	201.6	48,600 *	40.2	219.1	57,500 *	45.9	225.9	64,200 *	54.2	233.5	76,300										110
115	22.4	190.8	45,600 *	35.9	212.5	53,600 *	42.1	220.6	59,600 *	50.9	229.6	72,000 *										115
120	13.6	174.8	42,300 *	31.1	204.8	50,100 *	38.0	214.6	55,500 *	47.4	225.2	66,400 *	55.4	231.0	65,000							120
130				18.3	182.3	44,200 *	28.3	198.8	48,600 *	39.8	214.4	57,200 *	48.7	223.0	58,800							130
140							13.0	171.3	42,900 *	30.5	199.8	49,900 *	41.2	212.7	53,500	49.7	219.4	50,700				140
150										17.3	176.6	44,000 *	32.4	199.0	48,900	42.3	209.5	46,300				150
160													20.3	178.2	44,900	33.8	196.4	42,600	43.1	204.7	40,200	160
170																22.4	177.1	39,200	34.7	192.0	37,100	170
180																			23.7	173.6	34,200 *	180



A.I.S.C. Certified Erector



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Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Luffing Jib Capacities**

Luffing Jib No. 133 or No. 133A On
 Boom No. 44 With Heavy Lift Top
 248,700 Lb. Crane Counterweight
 120,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

M-250 SERIES 3**140 Ft. Boom, 120 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	75.1	265.7	123,500 *b																			45
50	72.6	264.2	119,300 *																			50
55	70.0	262.5	115,200 *																			55
60	67.5	260.5	108,900 *																			60
65	64.8	258.2	101,200 *																			65
70	62.1	255.6	91,000 *	68.7	260.3	111,300 *																70
75	59.4	252.7	82,600 *	66.1	258.2	105,900 *																75
80	56.6	249.5	75,400 *	63.4	255.8	95,600 *	67.3	258.1	111,500 *													80
85	53.6	246.0	69,300 *	60.7	253.1	86,400 *	64.7	255.8	100,800 *													85
90	50.6	242.0	63,900 *	57.9	250.0	78,700 *	62.0	253.2	90,700 *													90
95	47.4	237.6	59,300 *	55.0	246.6	72,100 *	59.2	250.3	82,300 *													95
100	44.0	232.6	55,100 *	52.0	242.8	66,400 *	56.4	247.1	75,200 *													100
105	40.4	226.9	51,500 *	48.9	238.6	61,400 *	53.5	243.5	69,100 *	60.4	248.8	80,300										105
110	36.5	220.5	48,200 *	45.6	233.9	57,100 *	50.4	239.5	63,800 *	57.6	245.7	75,700										110
115	32.2	213.0	45,200 *	42.1	228.6	53,200 *	47.2	235.0	59,200 *	54.7	242.3	71,600 *										115
120	27.3	204.1	42,500 *	38.4	222.6	49,700 *	43.8	230.0	55,100 *	51.7	238.4	66,000 *										120
130	13.0	175.9	37,200 *	29.7	207.4	43,800 *	36.3	217.8	48,100 *	45.3	229.4	56,800 *	52.8	236.0	58,200							130
140				17.5	183.9	38,900 *	27.0	201.2	42,500 *	38.0	217.9	49,500 *	46.5	227.3	52,900							140
150							12.4	172.3	37,800 *	29.2	202.5	43,600 *	39.4	216.3	48,400	47.4	223.8	45,700				150
160										16.6	178.0	38,700 *	30.9	201.8	44,400	40.4	213.2	42,000	48.0	218.9	39,600	160
170													19.4	179.9	39,600 *	32.3	199.3	38,700	41.1	208.5	36,400 *	170
180																21.4	179.0	35,800	33.1	195.0	33,500 *	180
190																			22.7	175.6	30,800 *	190



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**Liftcrane Luffing Jib Capacities**

Luffing Jib No. 133 or No. 133A On
Boom No. 44 With Heavy Lift Top
248,700 Lb. Crane Counterweight
120,000 Lb. Carbody Counterweight
360 Degree Rating

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

M-250 SERIES 3**140 Ft. Boom, 130 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	73.9	274.7	110,400 *																			50
55	71.6	273.1	106,700 *																			55
60	69.3	271.3	103,300 *																			60
65	66.9	269.2	99,800 *																			65
70	64.5	266.9	91,700 *	70.4	271.1	105,900 *																70
75	62.0	264.3	83,100 *	68.0	269.1	102,800 *																75
80	59.4	261.4	75,800 *	65.6	266.9	96,400 *																80
85	56.8	258.2	69,600 *	63.2	264.4	87,000 *	66.8	266.8	101,600 *													85
90	54.1	254.7	64,200 *	60.7	261.7	79,200 *	64.3	264.5	91,400 *													90
95	51.3	250.8	59,500 *	58.1	258.7	72,500 *	61.8	261.9	82,800 *													95
100	48.4	246.5	55,300 *	55.4	255.3	66,700 *	59.3	259.0	75,600 *													100
105	45.4	241.8	51,600 *	52.7	251.6	61,700 *	56.7	255.8	69,400 *	62.9	260.2	80,000										105
110	42.2	236.5	48,300 *	49.8	247.5	57,200 *	54.0	252.3	64,100 *	60.4	257.4	75,500										110
115	38.7	230.5	45,300 *	46.9	243.0	53,300 *	51.2	248.3	59,400 *	57.8	254.4	71,400										115
120	35.0	223.7	42,500 *	43.7	238.0	49,800 *	48.3	244.0	55,200 *	55.1	251.0	66,300 *										120
130	26.2	206.4	37,800 *	36.8	225.9	43,800 *	42.0	233.9	48,200 *	49.5	243.1	56,900 *	56.1	248.4	57,900							130
140	12.5	177.0	33,200 *	28.5	210.0	38,900 *	34.8	221.0	42,500 *	43.4	233.4	49,600 *	50.6	240.8	52,700							140
150				16.8	185.3	34,700 *	25.9	203.5	37,800 *	36.4	221.2	43,600 *	44.5	231.5	48,200	51.4	237.1	45,500				150
160							11.9	173.3	33,800 *	28.0	204.9	38,700 *	37.7	219.8	44,200	45.4	228.0	41,800				160
170										15.9	179.4	34,600 *	29.7	204.4	39,600 *	38.8	216.8	38,500	46.0	223.2	36,100 *	170
180													18.6	181.5	35,300 *	30.9	202.1	35,600	39.4	212.1	33,200 *	180
190																20.6	180.8	33,000	31.8	197.8	30,600 *	190
200																			21.8	177.5	28,200 *	200



A.I.S.C. Certified Erector



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**Liftcrane Luffing Jib Capacities**

Luffing Jib No. 133 or No. 133A On
 Boom No. 44 With Heavy Lift Top
 248,700 Lb. Crane Counterweight
 120,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

M-250 SERIES 3**140 Ft. Boom, 140 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	75.1	285.1	103,000 *																			50
55	73.0	283.6	99,800 *																			55
60	70.8	281.9	96,700 *																			60
65	68.6	280.0	93,600 *																			65
70	66.4	277.9	90,600 *																			70
75	64.2	275.6	82,700 *	69.7	279.9	95,900 *																75
80	61.8	272.9	75,400 *	67.5	277.8	93,300 *																80
85	59.5	270.1	69,200 *	65.2	275.6	86,600 *																85
90	57.1	266.9	63,800 *	62.9	273.1	78,800 *	66.3	275.5	91,000 *													90
95	54.6	263.5	59,000 *	60.6	270.4	72,000 *	64.0	273.2	82,400 *													95
100	52.0	259.7	54,800 *	58.2	267.4	66,300 *	61.7	270.5	75,200 *													100
105	49.3	255.5	51,100 *	55.8	264.0	61,200 *	59.3	267.6	69,000 *													105
110	46.6	250.9	47,800 *	53.2	260.4	56,800 *	56.9	264.5	63,600 *	62.7	268.9	74,900										110
115	43.6	245.8	44,800 *	50.6	256.4	52,900 *	54.4	261.0	58,900 *	60.3	266.1	70,800										115
120	40.6	240.2	42,100 *	47.9	252.0	49,400 *	51.9	257.2	54,700 *	57.9	263.0	65,800 *										120
130	33.7	226.7	37,400 *	42.0	241.8	43,400 *	46.4	248.4	47,700 *	52.9	256.0	56,500 *										130
140	25.2	208.6	33,400 *	35.4	229.1	38,400 *	40.4	237.6	42,000 *	47.6	247.5	49,100 *	53.9	253.5	52,100							140
150	12.0	178.0	29,400 *	27.4	212.4	34,300 *	33.5	224.0	37,300 *	41.7	237.2	43,200 *	48.6	245.3	47,600							150
160				16.1	186.7	30,700 *	24.9	205.7	33,400 *	35.0	224.3	38,300 *	42.8	235.4	43,700	49.4	241.7	41,200				160
170							11.4	174.3	29,900 *	26.9	207.3	34,200 *	36.3	223.1	39,100 *	43.7	232.1	37,900				170
180										15.3	180.7	30,600 *	28.5	207.0	34,900 *	37.3	220.1	35,100	44.2	227.3	32,400 *	180
190													17.9	183.1	31,300 *	29.8	204.7	32,500	37.9	215.6	29,900 *	190
200																19.8	182.5	30,200	30.6	200.6	27,500 *	200
210																			20.9	179.3	25,400 *	210



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 248,700 Lb. Crane Counterweight
 120,000 Lb. Carbody Counterweight
 360 Degree Rating

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 The Scope of ANSI B30.5

M-250 SERIES 3**140 Ft. Boom, 150 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
55	74.2	294.1	94,900 *																			55
60	72.2	292.5	92,300 *																			60
65	70.1	290.7	89,700 *																			65
70	68.1	288.8	87,100 *																			70
75	66.0	286.6	83,600 *																			75
80	63.9	284.2	76,200 *	69.0	288.7	89,000 *																80
85	61.7	281.6	69,800 *	67.0	286.6	86,900 *																85
90	59.5	278.7	64,300 *	64.9	284.3	79,500 *	68.0	286.4	91,900 *													90
95	57.3	275.6	59,500 *	62.7	281.8	72,700 *	65.9	284.2	83,200 *													95
100	54.9	272.2	55,300 *	60.6	279.0	66,900 *	63.8	281.8	75,900 *													100
105	52.6	268.4	51,500 *	58.3	276.0	61,800 *	61.6	279.2	69,600 *													105
110	50.1	264.4	48,200 *	56.1	272.7	57,300 *	59.4	276.3	64,200 *													110
115	47.5	259.9	45,100 *	53.7	269.2	53,300 *	57.1	273.2	59,400 *	62.5	277.5	70,300										115
120	44.9	255.0	42,400 *	51.3	265.3	49,700 *	54.8	269.7	55,200 *	60.3	274.7	66,400 *										120
130	39.1	243.7	37,600 *	46.2	256.3	43,700 *	50.0	261.9	48,100 *	55.8	268.4	56,900 *										130
140	32.5	229.6	33,600 *	40.5	245.5	38,700 *	44.7	252.5	42,300 *	51.0	260.8	49,500 *	56.6	265.8	51,600							140
150	24.3	210.8	30,100 *	34.2	232.2	34,500 *	38.9	241.1	37,500 *	45.9	251.8	43,400 *	51.9	258.4	47,100							150
160	11.6	179.0	25,300 *	26.5	214.8	30,900 *	32.3	226.9	33,500 *	40.2	240.9	38,500 *	46.8	249.7	43,200	52.6	254.7	40,600				160
170				15.6	188.1	27,800 *	24.1	207.9	30,100 *	33.8	227.4	34,300 *	41.3	239.2	39,300 *	47.6	246.2	37,400				170
180							11.0	175.2	27,000 *	26.0	209.6	30,800 *	35.0	226.2	35,100 *	42.1	236.0	34,600				180
190										14.7	182.0	27,700 *	27.5	209.4	31,400 *	36.0	223.4	32,000	42.6	231.2	29,200 *	190
200													17.3	184.6	28,300 *	28.7	207.3	29,700	36.6	218.9	26,900 *	200
210																19.1	184.2	27,600	29.5	203.2	24,800 *	210
220																			20.2	181.1	22,800 *	220



A.I.S.C. Certified Erector



P.C.I. Qualified Erector

L. R. WILLSON & SONS, INC.

773 ANNAPOLIS ROAD • PO BOX 227

GAMBRILLS, MARYLAND 21054

www.lrwilsonandsons.com

Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Luffing Jib Capacities**

Luffing Jib No. 133 or No. 133A On
 Boom No. 44 With Heavy Lift Top
 248,700 Lb. Crane Counterweight
 120,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

M-250 SERIES 3**140 Ft. Boom, 160 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
55	75.2	304.5	87,600 *																			55
60	73.3	303.0	85,200 *																			60
65	71.4	301.4	82,800 *																			65
70	69.5	299.6	80,500 *																			70
75	67.6	297.5	78,200 *																			75
80	65.6	295.3	76,000 *	70.4	299.3	82,000 *																80
85	63.6	292.9	70,000 *	68.5	297.4	80,000 *																85
90	61.6	290.3	64,500 *	66.6	295.3	78,000 *																90
95	59.5	287.4	59,600 *	64.6	293.0	73,000 *	67.5	295.2	83,700 *													95
100	57.4	284.3	55,300 *	62.6	290.5	67,000 *	65.5	292.9	76,200 *													100
105	55.3	280.9	51,400 *	60.5	287.7	61,800 *	63.5	290.5	69,800 *													105
110	53.1	277.2	48,000 *	58.4	284.7	57,300 *	61.5	287.9	64,300 *													110
115	50.8	273.2	44,900 *	56.3	281.4	53,200 *	59.4	285.0	59,400 *													115
120	48.4	268.9	42,100 *	54.1	277.9	49,600 *	57.3	281.8	55,100 *	62.4	286.2	66,000										120
130	43.4	259.0	37,300 *	49.5	269.9	43,400 *	52.9	274.7	47,900 *	58.2	280.4	56,900 *										130
140	37.8	247.2	33,200 *	44.6	260.4	38,400 *	48.3	266.4	42,100 *	53.9	273.5	49,300 *										140
150	31.4	232.4	29,800 *	39.2	249.1	34,200 *	43.2	256.5	37,200 *	49.3	265.5	43,200 *	54.7	271.0	46,500							150
160	23.5	212.8	26,800 *	33.0	235.2	30,600 *	37.6	244.6	33,200 *	44.3	255.9	38,200 *	50.1	263.2	42,700							160
170	11.2	179.9	22,400 *	25.6	217.0	27,500 *	31.2	229.7	29,700 *	38.9	244.4	34,000 *	45.2	253.9	39,100 *	50.8	259.5	36,800				170
180				15.1	189.4	24,700 *	23.3	209.9	26,800 *	32.7	230.3	30,400 *	39.9	242.8	34,700 *	45.9	250.5	34,000				180
190							10.6	176.1	24,000 *	25.1	211.9	27,400 *	33.9	229.3	31,100 *	40.7	239.7	31,500	46.4	245.6	28,300 *	190
200										14.2	183.2	24,700 *	26.6	211.8	27,900 *	34.8	226.5	29,200	41.2	235.0	26,100 *	200
210													16.7	186.1	25,100 *	27.8	209.8	27,100	35.4	222.1	24,000 *	210
220																18.5	185.8	25,200	28.5	205.8	22,100 *	220
230																			19.5	182.8	20,400 *	230



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**Liftcrane Luffing Jib Capacities****M-250 SERIES 3**

Luffing Jib No. 133 or No. 133A On
 Boom No. 44 With Heavy Lift Top
 248,700 Lb. Crane Counterweight
 120,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

140 Ft. Boom, 170 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
60	74.3	313.4	80,000 *																			60
65	72.6	311.9	77,900 *																			65
70	70.8	310.2	75,800 *																			70
75	69.0	308.3	73,700 *																			75
80	67.2	306.3	71,600 *																			80
85	65.3	304.0	69,000 *	69.8	308.2	75,100 *																85
90	63.4	301.6	64,200 *	68.0	306.2	73,200 *																90
95	61.5	298.9	59,300 *	66.2	304.0	71,300 *																95
100	59.6	296.1	55,000 *	64.3	301.7	66,700 *	67.0	303.9	76,000 *													100
105	57.6	293.0	51,100 *	62.4	299.1	61,500 *	65.2	301.6	69,500 *													105
110	55.6	289.6	47,700 *	60.5	296.4	57,000 *	63.3	299.2	64,000 *													110
115	53.5	286.0	44,600 *	58.5	293.4	52,900 *	61.4	296.5	59,100 *													115
120	51.3	282.1	41,800 *	56.5	290.1	49,300 *	59.5	293.6	54,800 *													120
130	46.9	273.3	37,000 *	52.4	282.9	43,100 *	55.4	287.1	47,600 *	60.3	292.1	56,600 *										130
140	42.0	262.9	32,900 *	47.9	274.4	38,100 *	51.2	279.6	41,800 *	56.3	285.8	49,000 *										140
150	36.6	250.5	29,500 *	43.2	264.4	33,800 *	46.7	270.7	36,900 *	52.1	278.5	42,900 *	57.0	283.1	46,200							150
160	30.5	235.2	26,500 *	38.0	252.6	30,200 *	41.9	260.3	32,900 *	47.7	269.9	37,900 *	52.9	276.0	42,400							160
170	22.8	214.8	23,800 *	32.0	238.0	27,200 *	36.5	247.9	29,400 *	42.9	259.9	33,700 *	48.5	267.7	38,700 *							170
180	10.9	180.9	19,900 *	24.8	219.2	24,500 *	30.3	232.4	26,400 *	37.6	247.9	30,100 *	43.8	257.9	34,400 *	49.1	264.1	33,700				180
190				14.6	190.6	22,100 *	22.6	211.9	23,800 *	31.6	233.2	27,100 *	38.6	246.4	30,700 *	44.5	254.6	31,200				190
200							10.3	177.0	21,400 *	24.4	214.0	24,400 *	32.8	232.2	27,600 *	39.4	243.3	28,900	45.0	249.7	25,800 *	200
210										13.8	184.4	22,000 *	25.8	214.1	24,800 *	33.7	229.6	26,900	39.9	238.6	23,700 *	210
220													16.2	187.5	22,400 *	26.9	212.2	25,000	34.3	225.2	21,900 *	220
230																17.9	187.4	22,800 *	27.6	208.2	20,100 *	230
240																			18.9	184.5	18,500 *	240



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 248,700 Lb. Crane Counterweight
 120,000 Lb. Carbody Counterweight
 360 Degree Rating

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 The Scope of ANSI B30.5

M-250 SERIES 3**140 Ft. Boom, 180 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
60	75.2	323.8	74,000 *																			60
65	73.6	322.4	72,400 *																			65
70	71.9	320.8	70,700 *																			70
75	70.2	319.0	68,800 *																			75
80	68.5	317.1	66,800 *																			80
85	66.8	315.0	64,600 *	71.0	318.8	70,100 *																85
90	65.0	312.7	62,200 *	69.3	317.0	68,500 *																90
95	63.2	310.3	58,700 *	67.6	314.9	66,200 *																95
100	61.4	307.6	54,400 *	65.8	312.7	63,900 *																100
105	59.6	304.7	50,600 *	64.1	310.4	61,000 *	66.7	312.6	68,000 *													105
110	57.7	301.6	47,200 *	62.3	307.8	56,400 *	64.9	310.3	63,400 *													110
115	55.8	298.3	44,100 *	60.5	305.0	52,400 *	63.1	307.9	58,600 *													115
120	53.9	294.7	41,300 *	58.6	302.0	48,800 *	61.3	305.2	54,300 *													120
130	49.8	286.7	36,400 *	54.8	295.4	42,600 *	57.6	299.2	47,100 *	62.1	303.5	56,000 *										130
140	45.4	277.5	32,400 *	50.8	287.6	37,500 *	53.7	292.3	41,200 *	58.4	297.7	48,500 *										140
150	40.8	266.6	28,900 *	46.5	278.7	33,300 *	49.7	284.2	36,400 *	54.6	291.0	42,400 *										150
160	35.5	253.7	25,900 *	41.9	268.3	29,700 *	45.3	274.9	32,300 *	50.5	283.2	37,400 *	55.3	288.4	41,800							160
170	29.6	237.8	23,300 *	36.8	255.9	26,600 *	40.6	264.0	28,900 *	46.3	274.2	33,200 *	51.3	280.9	38,200 *							170
180	22.1	216.8	21,000 *	31.1	240.8	23,900 *	35.4	251.1	25,900 *	41.6	263.7	29,600 *	47.0	272.1	33,900 *	51.9	277.1	33,100				180
190	10.5	181.8	17,500 *	24.1	221.3	21,600 *	29.4	235.0	23,300 *	36.5	251.2	26,500 *	42.5	261.9	30,200 *	47.7	268.6	30,600				190
200				14.2	191.8	19,500 *	21.9	213.8	21,000 *	30.7	235.9	23,800 *	37.5	249.8	27,100 *	43.2	258.6	28,400				200
210							10.0	177.9	18,900 *	23.7	216.1	21,500 *	31.8	235.1	24,300 *	38.2	246.8	26,400	43.6	253.7	23,000 *	210
220										13.4	185.5	19,400 *	25.1	216.3	21,900 *	32.7	232.5	24,500 *	38.7	242.1	21,100 *	220
230													15.7	188.8	19,800 *	26.1	214.5	22,300 *	33.3	228.2	19,400 *	230
240																17.4	188.9	20,100 *	26.8	210.6	17,800 *	240
250																			18.4	186.1	16,400 *	250



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 360 Degree Rating

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M-250 SERIES 3**140 Ft. Boom, 190 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
60	76.0	334.2	67,800 *																			60
65	74.4	332.8	66,600 *																			65
70	72.9	331.3	65,200 *																			70
75	71.3	329.7	63,600 *																			75
80	69.7	327.8	62,000 *																			80
85	68.1	325.9	60,300 *																			85
90	66.4	323.7	58,100 *	70.4	327.6	63,700 *																90
95	64.8	321.4	55,800 *	68.8	325.7	61,700 *																95
100	63.1	318.9	53,500 *	67.2	323.7	59,500 *																100
105	61.4	316.3	50,100 *	65.5	321.4	57,400 *	68.0	323.5	63,300 *													105
110	59.6	313.4	46,700 *	63.9	319.0	55,100 *	66.3	321.3	60,900 *													110
115	57.8	310.3	43,600 *	62.2	316.5	51,900 *	64.7	319.0	58,100 *													115
120	56.0	307.0	40,800 *	60.4	313.7	48,300 *	63.0	316.5	53,800 *													120
130	52.3	299.7	35,900 *	56.9	307.5	42,100 *	59.5	311.0	46,600 *													130
140	48.4	291.3	31,900 *	53.2	300.4	37,000 *	55.9	304.5	40,700 *	60.3	309.4	48,000 *										140
150	44.2	281.6	28,400 *	49.3	292.3	32,800 *	52.2	297.2	35,900 *	56.7	303.2	41,900 *										150
160	39.6	270.3	25,400 *	45.2	282.9	29,200 *	48.2	288.7	31,800 *	53.0	296.0	36,900 *	57.3	300.5	41,300							160
170	34.6	256.8	22,800 *	40.7	272.0	26,100 *	44.0	279.0	28,400 *	49.1	287.8	32,700 *	53.7	293.5	37,700 *							170
180	28.7	240.4	20,500 *	35.8	259.1	23,400 *	39.5	267.7	25,400 *	44.9	278.4	29,100 *	49.8	285.5	33,400 *							180
190	21.5	218.7	18,500 *	30.2	243.5	21,100 *	34.4	254.2	22,800 *	40.5	267.4	26,000 *	45.7	276.3	29,700 *	50.4	281.9	30,100				190
200	10.2	182.6	15,300 *	23.4	223.4	19,000 *	28.6	237.6	20,500 *	35.5	254.4	23,300 *	41.3	265.6	26,600 *	46.3	272.9	27,900				200
210				13.8	193.0	17,100 *	21.3	215.7	18,500 *	29.9	238.6	21,000 *	36.5	253.1	23,800 *	41.9	262.4	25,900 *	46.7	267.9	22,300 *	210
220							9.7	178.7	16,600 *	23.0	218.1	18,900 *	31.0	237.9	21,400 *	37.2	250.1	23,900 *	42.4	257.6	20,400 *	220
230										13.0	186.7	17,000 *	24.4	218.5	19,300 *	31.8	235.4	21,800 *	37.7	245.6	18,800 *	230
240													15.3	190.2	17,400 *	25.4	216.7	19,600 *	32.3	231.1	17,200 *	240
250																16.9	190.3	17,700 *	26.1	212.9	15,800 *	250
260																			17.9	187.6	14,400 *	260



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 120,000 Lb. Carbody Counterweight
 360 Degree Rating

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M-250 SERIES 3**140 Ft. Boom, 200 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
65	75.2	343.2	61,100 *																			65
70	73.8	341.8	59,900 *																			70
75	72.3	340.2	58,700 *																			75
80	70.7	338.5	57,300 *																			80
85	69.2	336.6	55,900 *																			85
90	67.7	334.6	53,800 *																			90
95	66.1	332.5	51,500 *	69.9	336.4	57,000 *																95
100	64.5	330.1	49,300 *	68.4	334.5	55,000 *																100
105	62.9	327.6	47,000 *	66.8	332.4	52,900 *																105
110	61.3	324.9	44,800 *	65.3	330.1	50,700 *	67.6	332.2	56,000 *													110
115	59.6	322.0	42,700 *	63.7	327.7	48,500 *	66.0	330.1	53,700 *													115
120	58.0	319.0	40,200 *	62.1	325.1	46,300 *	64.4	327.7	51,400 *													120
130	54.5	312.2	35,400 *	58.8	319.4	41,500 *	61.2	322.5	46,000 *													130
140	50.9	304.5	31,300 *	55.3	312.8	36,500 *	57.9	316.5	40,200 *	61.9	320.9	46,800 *										140
150	47.1	295.6	27,900 *	51.7	305.3	32,200 *	54.4	309.7	35,300 *	58.6	315.0	41,300 *										150
160	43.0	285.5	24,900 *	48.0	296.7	28,700 *	50.8	302.0	31,300 *	55.1	308.4	36,300 *										160
170	38.6	273.8	22,300 *	44.0	287.0	25,600 *	46.9	293.1	27,800 *	51.5	300.9	32,100 *	55.8	305.8	37,200 *							170
180	33.7	259.9	20,000 *	39.6	275.6	22,900 *	42.9	283.0	24,900 *	47.8	292.3	28,500 *	52.2	298.5	32,800 *							180
190	28.0	242.9	18,000 *	34.9	262.3	20,500 *	38.4	271.1	22,300 *	43.7	282.4	25,500 *	48.5	290.1	29,100 *	52.7	294.7	29,600				190
200	21.0	220.5	16,100 *	29.4	246.2	18,400 *	33.5	257.2	20,000 *	39.4	271.0	22,800 *	44.5	280.4	26,000 *	49.0	286.5	27,300				200
210	10.0	183.5	13,200 *	22.8	225.4	16,600 *	27.8	240.1	18,000 *	34.6	257.5	20,400 *	40.2	269.3	23,300 *	45.1	277.0	25,100 *				210
220				13.4	194.2	14,900 *	20.7	217.5	16,100 *	29.1	241.2	18,400 *	35.5	256.3	20,900 *	40.8	266.2	23,100 *	45.5	272.2	19,700 *	220
230							9.5	179.5	14,500 *	22.4	220.1	16,500 *	30.1	240.5	18,700 *	36.2	253.4	21,200 *	41.2	261.4	18,000 *	230
240										12.7	187.8	14,800 *	23.7	220.6	16,900 *	31.0	238.1	19,000 *	36.7	248.9	16,500 *	240
250													14.9	191.4	15,100 *	24.7	218.9	17,100 *	31.5	233.9	15,100 *	250
260																16.5	191.8	15,400 *	25.4	215.2	13,700 *	260
270																			17.4	189.2	12,500 *	270



A.I.S.C. Certified Erector



P.C.I. Qualified Erector

L. R. WILLSON & SONS, INC.

773 ANNAPOLIS ROAD • PO BOX 227

GAMBRILLS, MARYLAND 21054

www.lrwilsonandsons.com

Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Luffing Jib Capacities****M-250 SERIES 3**

Luffing Jib No. 133 or No. 133A On
 Boom No. 44 With Heavy Lift Top
 248,700 Lb. Crane Counterweight
 120,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

150 Ft. Boom, 70 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	64.0	222.5	137,700 *b																			45
50	59.3	219.6	129,700 *b																			50
55	54.3	216.2	122,400 *b	66.9	222.9	139,300 *b																55
60	49.0	212.1	110,300 *	62.4	220.4	131,600 *b																60
65	43.3	207.2	98,500 *	57.6	217.4	124,500 *b	65.0	220.6	137,200 *b													65
70	36.8	201.0	88,800 *	52.5	213.7	118,000 *b	60.4	217.9	129,500 *b													70
75	29.0	192.9	80,700 *	47.1	209.3	105,900 *	55.5	214.6	122,500 *b													75
80	18.3	180.9	73,900 *	41.1	204.0	94,900 *	50.3	210.7	114,400 *													80
85				34.2	197.2	85,800 *	44.6	205.9	101,900 *	58.4	213.6	106,200 b										85
90				25.7	188.2	78,200 *	38.3	200.1	91,600 *	53.4	210.1	99,000 b										90
95				12.5	172.8	71,700 *	30.9	192.5	83,100 *	48.0	205.9	92,600										95
100							21.2	181.8	75,900 *	42.1	200.7	86,900	56.0	208.0	82,700 b							100
105										35.4	194.2	81,900	50.9	204.1	77,900							105
110										27.3	185.7	77,200	45.3	199.4	73,500							110
115										15.5	172.2	73,000	39.1	193.7	69,600							115
120													31.8	186.4	66,000	47.8	196.4	62,700				120
130																35.2	184.7	56,700				130
140																15.0	162.3	51,500	37.6	180.9	48,900	140
150																			20.0	161.9	44,700	150



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 Boom No. 44 With Heavy Lift Top
 248,700 Lb. Crane Counterweight
 120,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

M-250 SERIES 3**150 Ft. Boom, 80 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	67.5	233.5	132,200 *b																			45
50	63.5	231.1	124,700 *b																			50
55	59.4	228.3	118,000 *b	70.0	233.7	133,600 *b																55
60	55.1	225.0	111,600 *	66.1	231.6	126,600 *b																60
65	50.5	221.0	99,600 *	62.1	229.0	120,000 *b																65
70	45.6	216.4	89,700 *	57.9	226.0	114,000 *b	64.4	229.3	126,500 *b													70
75	40.3	210.9	81,500 *	53.5	222.5	107,100 *	60.3	226.6	119,800 *b													75
80	34.3	204.1	74,500 *	48.8	218.3	95,900 *	56.1	223.4	113,700 *													80
85	27.0	195.3	68,500 *	43.8	213.4	86,700 *	51.6	219.6	102,400 *	62.7	225.2	105,600 b										85
90	17.1	182.4	63,300 *	38.3	207.5	78,900 *	46.8	215.1	92,000 *	58.6	222.3	98,400 b										90
95				31.9	200.1	72,300 *	41.5	209.8	83,500 *	54.2	218.9	92,000										95
100				24.0	190.3	66,600 *	35.7	203.3	76,200 *	49.6	214.8	86,400										100
105				11.6	173.8	61,600 *	28.8	195.1	70,000 *	44.7	210.0	81,400	56.5	216.7	77,200							105
110							19.7	183.5	64,600 *	39.2	204.3	76,800	52.1	212.9	72,900							110
115										33.0	197.2	72,700	47.3	208.6	69,000							115
120										25.4	187.9	67,800 *	42.2	203.3	65,400							120
130													29.6	189.1	59,200	44.5	200.6	56,100				130
140																32.8	187.7	51,000	46.3	196.1	48,300	140
150																14.0	163.5	46,600	35.1	184.1	44,200	150
160																			18.6	163.5	40,500	160



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Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Luffing Jib Capacities**

Luffing Jib No. 133 or No. 133A On
 Boom No. 44 With Heavy Lift Top
 248,700 Lb. Crane Counterweight
 120,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

M-250 SERIES 3**150 Ft. Boom, 90 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	70.1	244.3	127,900 *b																			45
50	66.7	242.2	121,000 *b																			50
55	63.1	239.8	114,600 *b																			55
60	59.5	237.0	108,800 *	68.9	242.5	122,800 *b																60
65	55.6	233.7	99,900 *	65.4	240.3	116,700 *b																65
70	51.7	229.9	90,000 *	61.8	237.7	111,000 *	67.4	240.3	123,500 *b													70
75	47.4	225.5	81,700 *	58.1	234.7	105,700 *	63.9	238.0	117,200 *b													75
80	42.9	220.4	74,700 *	54.3	231.3	96,200 *	60.3	235.2	111,400 *													80
85	37.9	214.3	68,700 *	50.2	227.3	86,900 *	56.5	232.0	102,700 *													85
90	32.2	207.0	63,400 *	45.8	222.6	79,100 *	52.6	228.4	92,300 *	62.4	233.9	97,900										90
95	25.4	197.6	58,800 *	41.1	217.2	72,500 *	48.4	224.1	83,700 *	58.7	231.0	91,600										95
100	16.0	183.7	54,700 *	35.9	210.7	66,800 *	43.9	219.2	76,400 *	54.9	227.6	86,000										100
105				30.0	202.8	61,800 *	39.0	213.4	70,200 *	50.9	223.7	80,900										105
110				22.5	192.3	57,400 *	33.5	206.3	64,700 *	46.6	219.2	76,400	56.9	225.3	72,400							110
115				10.9	174.7	53,400 *	27.0	197.5	60,000 *	41.9	213.9	72,300	53.0	221.7	68,500							115
120							18.5	185.1	55,800 *	36.8	207.6	67,900 *	48.9	217.6	65,000							120
130										23.9	190.0	58,300 *	39.6	207.0	58,800	50.7	214.3	55,600				130
140													27.9	191.5	53,500	41.8	204.5	50,600				140
150																30.8	190.4	46,300	43.5	200.2	43,700	150
160																13.1	164.6	42,500	33.0	187.1	40,200	160
170																			17.5	165.0	37,000	170



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Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Luffing Jib Capacities**

Luffing Jib No. 133 or No. 133A On
 Boom No. 44 With Heavy Lift Top
 248,700 Lb. Crane Counterweight
 120,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

M-250 SERIES 3**150 Ft. Boom, 100 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
40	75.2	256.5	130,400 *b																			40
45	72.2	254.9	123,500 *b																			45
50	69.1	253.1	117,100 *b																			50
55	66.0	250.9	111,200 *																			55
60	62.8	248.5	105,700 *																			60
65	59.5	245.6	99,900 *	68.0	251.2	113,200 *b																65
70	56.1	242.4	89,900 *	64.9	249.0	107,900 *																70
75	52.5	238.7	81,600 *	61.7	246.4	102,900 *	66.7	249.0	114,300 *													75
80	48.8	234.5	74,600 *	58.3	243.4	96,200 *	63.5	246.6	108,800 *													80
85	44.8	229.7	68,500 *	54.9	240.0	86,900 *	60.2	243.9	102,700 *													85
90	40.5	224.1	63,300 *	51.2	236.1	79,000 *	56.9	240.7	92,300 *													90
95	35.8	217.6	58,700 *	47.4	231.7	72,400 *	53.3	237.2	83,600 *	62.2	242.6	91,000										95
100	30.5	209.7	54,600 *	43.3	226.6	66,600 *	49.6	233.1	76,300 *	58.9	239.7	85,400										100
105	24.0	199.7	51,000 *	38.9	220.8	61,600 *	45.7	228.4	70,000 *	55.4	236.3	80,400										105
110	15.2	185.0	47,700 *	34.0	213.8	57,200 *	41.5	223.0	64,600 *	51.8	232.5	75,800										110
115				28.3	205.3	53,300 *	36.9	216.7	59,800 *	48.1	228.2	71,800	57.3	234.0	67,900							115
120				21.3	194.1	49,800 *	31.7	209.2	55,700 *	44.0	223.3	67,700 *	53.7	230.5	64,400							120
130							17.5	186.6	48,600 *	34.8	210.8	58,100 *	46.2	221.9	58,200							130
140										22.6	192.0	50,500 *	37.4	210.4	53,000	47.9	218.8	50,000				140
150													26.4	193.9	48,400	39.5	208.1	45,700				150
160																29.2	193.0	42,000	41.1	203.9	39,500	160
170																12.4	165.6	38,600	31.2	189.9	36,400	170
180																			16.6	166.5	33,500 *	180



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 248,700 Lb. Crane Counterweight
 120,000 Lb. Carbody Counterweight
 360 Degree Rating

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 With The Intent To Be In
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150 Ft. Boom, 110 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	73.8	265.4	118,000 *b																			45
50	71.1	263.8	112,200 *b																			50
55	68.3	261.8	106,800 *																			55
60	65.5	259.6	101,700 *																			60
65	62.5	257.1	97,000 *	70.1	262.0	108,600 *b																65
70	59.6	254.3	92,700 *	67.3	259.9	103,800 *																70
75	56.5	251.1	84,100 *	64.4	257.6	99,200 *																75
80	53.2	247.5	76,700 *	61.5	255.0	95,000 *	66.1	257.8	106,400 *													80
85	49.9	243.4	70,500 *	58.5	252.0	89,500 *	63.2	255.3	101,600 *													85
90	46.4	238.8	65,000 *	55.3	248.7	81,400 *	60.2	252.5	95,100 *													90
95	42.6	233.6	60,300 *	52.1	244.9	74,500 *	57.2	249.4	86,100 *													95
100	38.5	227.6	56,100 *	48.7	240.7	68,500 *	54.0	245.9	78,500 *	62.0	251.2	84,800										100
105	34.1	220.7	52,400 *	45.1	235.9	63,300 *	50.6	241.9	72,000 *	59.0	248.3	79,800										105
110	29.0	212.3	49,000 *	41.2	230.4	58,800 *	47.2	237.5	66,300 *	55.9	245.0	75,300										110
115	22.9	201.7	46,000 *	37.0	224.1	54,800 *	43.4	232.4	61,400 *	52.6	241.3	71,300										115
120	14.4	186.3	42,100 *	32.3	216.7	51,200 *	39.5	226.6	57,100 *	49.2	237.2	67,600	57.5	242.7	63,800							120
130				20.3	195.9	45,000 *	30.2	211.9	49,900 *	41.8	227.1	59,600 *	51.0	235.3	57,700							130
140							16.7	188.0	44,000 *	33.1	213.8	51,900 *	43.9	225.9	52,500	52.5	231.9	49,400				140
150										21.5	193.9	45,600 *	35.6	213.6	48,000	45.6	223.1	45,200				150
160													25.1	196.1	44,100	37.6	211.5	41,500	46.8	218.5	39,000	160
170																27.8	195.5	38,200	39.1	207.5	35,800 *	170
180																11.8	166.6	35,300	29.7	192.5	32,900 *	180
190																			15.8	167.8	30,300 *	190



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 120,000 Lb. Carbody Counterweight
 360 Degree Rating

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 The Scope of ANSI B30.5

M-250 SERIES 3**150 Ft. Boom, 120 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	75.2	275.8	113,600 *b																			45
50	72.7	274.3	108,300 *b																			50
55	70.2	272.6	103,300 *																			55
60	67.6	270.6	98,600 *																			60
65	65.0	268.3	94,200 *																			65
70	62.3	265.8	90,100 *	69.3	270.8	100,500 *																70
75	59.6	263.0	83,700 *	66.7	268.7	96,300 *																75
80	56.8	259.8	76,400 *	64.1	266.3	92,300 *																80
85	53.8	256.2	70,100 *	61.4	263.7	88,600 *	65.6	266.5	99,100 *													85
90	50.8	252.3	64,700 *	58.6	260.7	81,000 *	62.9	264.0	94,700 *													90
95	47.6	247.9	59,900 *	55.7	257.4	74,100 *	60.2	261.2	85,700 *													95
100	44.3	242.9	55,700 *	52.8	253.7	68,100 *	57.4	258.1	78,100 *													100
105	40.7	237.3	52,000 *	49.7	249.6	62,900 *	54.5	254.6	71,600 *	61.8	259.9	79,200										105
110	36.8	231.0	48,600 *	46.4	245.0	58,400 *	51.5	250.8	66,000 *	59.1	257.0	74,800										110
115	32.5	223.6	45,600 *	43.0	239.9	54,400 *	48.3	246.5	61,000 *	56.2	253.7	70,700										115
120	27.7	214.7	42,900 *	39.3	234.0	50,800 *	45.0	241.7	56,700 *	53.3	250.1	67,000										120
130	13.8	187.4	37,000 *	30.9	219.5	44,600 *	37.7	230.1	49,400 *	47.0	241.6	59,200 *	54.8	248.0	57,100							130
140				28.8	214.4	43,600 *	28.8	214.4	43,600 *	40.0	230.8	51,400 *	48.7	239.9	51,900							140
150				19.4	197.6	39,600 *	15.9	189.4	38,700 *	31.7	216.6	45,200 *	41.9	229.8	47,500	50.1	236.7	44,600				150
160										20.6	195.7	40,100 *	34.0	216.7	43,600	43.5	227.1	40,900				160
170													24.0	198.2	40,200	35.9	214.8	37,700	44.7	222.7	35,000 *	170
180																26.5	197.9	34,800	37.3	210.9	32,100 *	180
190																11.2	167.6	32,200	28.4	195.0	29,600 *	190
200																			15.0	169.1	27,200 *	200



A.I.S.C. Certified Erector



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GAMBRILLS, MARYLAND 21054

www.lrwilsonandsons.com

Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Luffing Jib Capacities****M-250 SERIES 3**

Luffing Jib No. 133 or No. 133A On
 Boom No. 44 With Heavy Lift Top
 248,700 Lb. Crane Counterweight
 120,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

150 Ft. Boom, 130 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	74.1	284.8	104,400 *																			50
55	71.8	283.2	100,000 *																			55
60	69.4	281.4	95,600 *																			60
65	67.1	279.3	91,500 *																			65
70	64.6	277.0	87,700 *	71.0	281.4	97,300 *																70
75	62.2	274.5	83,700 *	68.6	279.5	93,500 *																75
80	59.6	271.6	76,300 *	66.2	277.4	89,800 *																80
85	57.0	268.5	70,000 *	63.8	275.0	86,300 *	67.6	277.4	95,300 *													85
90	54.3	265.0	64,500 *	61.3	272.3	81,000 *	65.2	275.2	91,500 *													90
95	51.5	261.1	59,800 *	58.7	269.4	74,000 *	62.7	272.6	85,600 *													95
100	48.7	256.9	55,600 *	56.1	266.1	68,000 *	60.2	269.9	78,000 *													100
105	45.6	252.1	51,800 *	53.4	262.5	62,800 *	57.6	266.8	71,500 *													105
110	42.4	246.8	48,500 *	50.5	258.5	58,300 *	54.9	263.4	65,800 *	61.7	268.5	74,500										110
115	39.0	240.9	45,500 *	47.6	254.1	54,200 *	52.2	259.6	60,900 *	59.1	265.6	70,400										115
120	35.3	234.2	42,700 *	44.5	249.2	50,600 *	49.3	255.4	56,600 *	56.5	262.4	66,800										120
130	26.6	217.1	38,000 *	37.7	237.5	44,500 *	43.1	245.7	49,300 *	51.0	254.9	59,100 *	57.9	260.1	56,800							130
140	13.2	188.6	32,900 *	29.6	222.1	39,400 *	36.1	233.3	43,400 *	45.0	245.8	51,300 *	52.5	253.0	51,600							140
150				18.6	199.2	35,200 *	27.7	216.9	38,600 *	38.3	234.3	45,100 *	46.7	244.3	47,200							150
160							15.3	190.7	34,400 *	30.4	219.3	39,900 *	40.2	233.5	43,400	48.0	241.2	40,700				160
170										19.7	197.4	35,600 *	32.6	219.6	40,000	41.7	230.9	37,500				170
180													23.0	200.2	36,700 *	34.4	217.9	34,600	42.8	226.6	31,900 *	180
190																25.4	200.1	32,100	35.8	214.1	29,400 *	190
200																10.8	168.5	29,800	27.2	197.5	27,100 *	200
210																			14.4	170.3	24,900 *	210



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Luffing Jib No. 133 or No. 133A On
 Boom No. 44 With Heavy Lift Top
 248,700 Lb. Crane Counterweight
 120,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

M-250 SERIES 3**150 Ft. Boom, 140 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	75.3	295.2	100,400 *																			50
55	73.1	293.7	96,300 *																			55
60	71.0	292.0	92,400 *																			60
65	68.8	290.2	88,500 *																			65
70	66.6	288.1	85,000 *																			70
75	64.3	285.7	81,600 *	70.2	290.2	90,300 *																75
80	62.0	283.1	75,900 *	68.0	288.3	86,900 *																80
85	59.6	280.3	69,600 *	65.8	286.1	83,700 *																85
90	57.2	277.1	64,100 *	63.5	283.7	80,500 *	67.1	286.1	89,000 *													90
95	54.8	273.7	59,300 *	61.2	281.0	73,600 *	64.8	283.8	85,200 *													95
100	52.2	269.9	55,100 *	58.8	278.0	67,600 *	62.5	281.3	77,600 *													100
105	49.5	265.8	51,400 *	56.4	274.8	62,400 *	60.2	278.5	71,000 *													105
110	46.8	261.2	48,000 *	53.9	271.2	57,800 *	57.8	275.5	65,400 *													110
115	43.9	256.2	45,000 *	51.3	267.3	53,800 *	55.3	272.1	60,500 *	61.6	277.2	69,900										115
120	40.8	250.6	42,300 *	48.6	263.1	50,200 *	52.8	268.4	56,100 *	59.2	274.3	66,200										120
130	34.0	237.2	37,500 *	42.8	253.1	44,000 *	47.4	259.9	48,800 *	54.3	267.6	58,600 *										130
140	25.6	219.4	33,500 *	36.3	240.8	39,000 *	41.5	249.5	42,900 *	49.0	259.5	50,800 *	55.6	265.4	51,000							140
150	12.7	189.7	29,100 *	28.5	224.7	34,700 *	34.8	236.5	38,100 *	43.3	249.8	44,600 *	50.4	257.7	46,600							150
160				17.9	200.8	31,100 *	26.6	219.3	34,000 *	36.8	237.6	39,400 *	44.8	248.4	42,800	51.6	254.4	40,000				160
170							14.7	192.0	30,500 *	29.2	222.0	35,200 *	38.6	237.0	39,500	46.1	245.5	36,900				170
180										19.0	199.0	31,500 *	31.4	222.4	36,200 *	40.1	234.6	34,100	47.1	240.9	31,100 *	180
190													22.1	202.2	32,400 *	33.1	220.9	31,600	41.2	230.4	28,600 *	190
200																24.5	202.3	29,300	34.4	217.3	26,300 *	200
210																10.4	169.3	27,200	26.2	199.8	24,300 *	210
220																			13.9	171.5	22,300 *	220



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 Boom No. 44 With Heavy Lift Top
 248,700 Lb. Crane Counterweight
 120,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

M-250 SERIES 3**150 Ft. Boom, 150 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
55	74.3	304.2	91,000 *																			55
60	72.3	302.6	88,400 *																			60
65	70.3	300.9	85,500 *																			65
70	68.2	298.9	82,300 *																			70
75	66.1	296.8	79,000 *																			75
80	64.0	294.4	75,500 *	69.5	299.1	84,200 *																80
85	61.9	291.8	70,200 *	67.5	297.0	81,200 *																85
90	59.7	288.9	64,700 *	65.4	294.8	78,400 *																90
95	57.4	285.8	59,900 *	63.3	292.3	74,300 *	66.6	294.9	83,400 *													95
100	55.1	282.4	55,600 *	61.1	289.7	68,200 *	64.5	292.5	78,300 *													100
105	52.7	278.7	51,800 *	58.9	286.7	62,900 *	62.4	290.0	71,700 *													105
110	50.3	274.7	48,400 *	56.6	283.5	58,300 *	60.2	287.2	66,000 *													110
115	47.7	270.2	45,300 *	54.3	280.0	54,200 *	57.9	284.1	61,000 *													115
120	45.1	265.4	42,600 *	51.9	276.2	50,600 *	55.6	280.8	56,600 *	61.5	285.9	65,700										120
130	39.3	254.2	37,700 *	46.8	267.4	44,300 *	50.8	273.2	49,200 *	57.0	279.8	59,100 *										130
140	32.8	240.2	33,700 *	41.3	256.9	39,200 *	45.7	264.1	43,200 *	52.3	272.6	51,200 *										140
150	24.7	221.5	30,200 *	35.0	243.9	35,000 *	40.0	253.1	38,300 *	47.2	264.0	44,900 *	53.5	270.5	46,100							150
160	12.3	190.7	25,000 *	27.5	227.1	31,300 *	33.5	239.5	34,200 *	41.7	253.6	39,700 *	48.6	262.3	42,300							160
170				17.3	202.3	28,200 *	25.7	221.5	30,700 *	35.5	240.9	35,300 *	43.2	252.4	39,000	49.7	259.0	36,400				170
180							14.2	193.2	27,600 *	28.2	224.5	31,700 *	37.3	240.4	36,000	44.5	249.6	33,600				180
190										18.3	200.6	28,500 *	30.3	225.2	32,600 *	38.7	238.1	31,100	45.4	245.1	27,900 *	190
200													21.4	204.0	29,300 *	32.0	223.7	28,900	39.7	234.0	25,600 *	200
210																23.6	204.3	26,800	33.2	220.2	23,600 *	210
220																10.0	170.2	24,900	25.2	202.0	21,700 *	220
230																			13.4	172.7	20,000 *	230



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248,700 Lb. Crane Counterweight
120,000 Lb. Carbody Counterweight
360 Degree Rating

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

M-250 SERIES 3**150 Ft. Boom, 160 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
55	75.3	314.5	83,400 *																			55
60	73.4	313.1	81,400 *																			60
65	71.6	311.5	79,100 *																			65
70	69.6	309.7	76,600 *																			70
75	67.7	307.7	73,900 *																			75
80	65.8	305.5	71,000 *	70.9	309.7	80,000 *																80
85	63.8	303.1	68,100 *	69.0	307.8	77,400 *																85
90	61.8	300.5	64,800 *	67.0	305.8	74,800 *																90
95	59.7	297.6	59,900 *	65.1	303.5	72,300 *																95
100	57.6	294.5	55,500 *	63.1	301.0	68,400 *	66.2	303.6	78,100 *													100
105	55.4	291.1	51,700 *	61.0	298.3	63,000 *	64.2	301.2	71,900 *													105
110	53.2	287.5	48,200 *	59.0	295.4	58,300 *	62.2	298.6	66,100 *													110
115	50.9	283.5	45,100 *	56.8	292.2	54,100 *	60.2	295.8	61,000 *													115
120	48.6	279.2	42,300 *	54.7	288.7	50,400 *	58.1	292.8	56,500 *													120
130	43.5	269.4	37,400 *	50.1	280.9	44,100 *	53.7	285.9	49,000 *	59.3	291.6	58,700 *										130
140	38.0	257.6	33,400 *	45.2	271.6	38,900 *	49.1	277.8	43,000 *	55.0	285.1	51,100 *										140
150	31.7	243.0	29,900 *	39.9	260.5	34,600 *	44.1	268.2	38,000 *	50.5	277.3	44,700 *	56.2	282.8	45,500 *							150
160	23.9	223.6	26,900 *	33.8	247.0	31,000 *	38.7	256.6	33,800 *	45.6	268.2	39,400 *	51.7	275.4	41,800 *							160
170	11.9	191.7	22,100 *	26.6	229.5	27,800 *	32.4	242.4	30,300 *	40.3	257.3	35,000 *	46.9	266.6	38,400 *	52.7	271.9	35,800 *				170
180				16.7	203.7	25,100 *	24.8	223.7	27,200 *	34.4	244.0	31,300 *	41.8	256.3	35,500 *	48.0	263.5	33,000 *				180
190							13.7	194.4	24,600 *	27.3	226.9	28,100 *	36.0	243.7	32,200 *	43.0	253.5	30,500 *				190
200										17.7	202.2	25,300 *	29.3	227.8	28,900 *	37.4	241.5	28,300 *	43.9	249.2	24,800 *	200
210													20.7	205.8	26,000 *	30.9	226.5	26,300 *	38.4	237.5	22,800 *	210
220																22.8	206.4	24,500 *	32.1	223.1	21,000 *	220
230																9.7	171.0	22,600 *	24.4	204.2	19,300 *	230
240																			12.9	173.8	17,700 *	240



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 120,000 Lb. Carbody Counterweight
 360 Degree Rating

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 With The Intent To Be In
 The Scope of ANSI B30.5

M-250 SERIES 3**150 Ft. Boom, 170 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
60	74.4	323.5	75,100 *																			60
65	72.7	322.0	73,200 *																			65
70	70.9	320.3	71,200 *																			70
75	69.1	318.5	69,000 *																			75
80	67.3	316.4	66,700 *																			80
85	65.4	314.2	64,300 *	70.3	318.5	73,900 *																85
90	63.6	311.8	61,700 *	68.5	316.6	72,300 *																90
95	61.7	309.1	59,100 *	66.6	314.5	70,100 *																95
100	59.7	306.3	55,200 *	64.8	312.2	67,900 *	67.7	314.5	74,400 *													100
105	57.7	303.2	51,400 *	62.9	309.7	62,700 *	65.8	312.3	71,700 *													105
110	55.7	299.8	47,900 *	61.0	307.0	58,000 *	64.0	309.9	65,800 *													110
115	53.6	296.2	44,800 *	59.0	304.0	53,800 *	62.1	307.3	60,700 *													115
120	51.5	292.3	42,000 *	57.0	300.9	50,100 *	60.1	304.5	56,200 *													120
130	47.0	283.6	37,100 *	52.9	293.7	43,800 *	56.2	298.2	48,700 *	61.3	303.2	58,400 *										130
140	42.2	273.3	33,000 *	48.5	285.4	38,600 *	52.0	290.8	42,700 *	57.3	297.2	50,800 *										140
150	36.8	261.0	29,600 *	43.8	275.7	34,300 *	47.5	282.2	37,700 *	53.2	290.1	44,400 *										150
160	30.7	245.8	26,600 *	38.6	264.1	30,600 *	42.7	272.1	33,500 *	48.9	281.9	39,100 *	54.3	288.0	41,500 *							160
170	23.1	225.7	23,900 *	32.8	249.9	27,500 *	37.4	260.1	30,000 *	44.2	272.3	34,700 *	50.0	280.1	38,100 *							170
180	11.5	192.7	19,600 *	25.8	231.8	24,800 *	31.4	245.2	26,900 *	39.1	260.9	31,000 *	45.5	270.9	35,200 *	51.0	276.8	32,700 *				180
190				16.2	205.1	22,300 *	24.1	225.9	24,300 *	33.3	247.0	27,800 *	40.5	260.0	31,900 *	46.5	267.9	30,200 *				190
200							13.3	195.5	21,900 *	26.4	229.2	25,000 *	34.9	246.8	28,600 *	41.6	257.4	28,000 *	47.3	263.3	24,500 *	200
210										17.2	203.7	22,600 *	28.4	230.3	25,700 *	36.2	244.8	26,000 *	42.5	253.1	22,500 *	210
220													20.0	207.6	23,200 *	29.9	229.2	24,200 *	37.2	240.9	20,700 *	220
230																22.1	208.3	22,400 *	31.1	225.9	19,100 *	230
240																9.4	171.8	20,700 *	23.7	206.2	17,500 *	240
250																			12.5	174.9	16,000 *	250



A.I.S.C. Certified Erector



P.C.I. Qualified Erector

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GAMBRILLS, MARYLAND 21054

www.lrwilsonandsons.com

Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Luffing Jib Capacities**

Luffing Jib No. 133 or No. 133A On
Boom No. 44 With Heavy Lift Top
248,700 Lb. Crane Counterweight
120,000 Lb. Carbody Counterweight
360 Degree Rating

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

M-250 SERIES 3**150 Ft. Boom, 180 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
60	75.3	333.9	69,000 *																			60
65	73.7	332.5	67,500 *																			65
70	72.0	330.9	65,900 *																			70
75	70.3	329.2	64,200 *																			75
80	68.6	327.2	62,300 *																			80
85	66.9	325.2	60,300 *																			85
90	65.1	322.9	58,200 *	69.7	327.3	67,400 *																90
95	63.4	320.4	56,000 *	68.0	325.4	65,900 *																95
100	61.6	317.8	53,800 *	66.3	323.2	63,600 *																100
105	59.7	314.9	50,800 *	64.5	320.9	61,400 *	67.3	323.2	67,800 *													105
110	57.9	311.8	47,400 *	62.7	318.4	57,500 *	65.5	321.0	65,300 *													110
115	56.0	308.5	44,300 *	60.9	315.6	53,300 *	63.8	318.6	60,200 *													115
120	54.0	305.0	41,500 *	59.1	312.7	49,600 *	62.0	316.0	55,700 *													120
130	49.9	297.0	36,600 *	55.3	306.1	43,300 *	58.3	310.1	48,200 *	63.0	314.5	57,900										130
140	45.6	287.8	32,500 *	51.3	298.6	38,100 *	54.4	303.4	42,100 *	59.4	309.0	50,300 *										140
150	40.9	277.0	29,000 *	47.0	289.8	33,800 *	50.4	295.6	37,200 *	55.6	302.5	43,800 *										150
160	35.7	264.2	26,000 *	42.5	279.6	30,100 *	46.1	286.5	33,000 *	51.6	295.0	38,600 *	56.6	300.2	40,900							160
170	29.8	248.4	23,400 *	37.5	267.5	27,000 *	41.5	275.9	29,400 *	47.4	286.3	34,200 *	52.7	293.0	37,600							170
180	22.4	227.7	21,100 *	31.8	252.8	24,200 *	36.3	263.3	26,400 *	42.9	276.2	30,500 *	48.5	284.6	34,700							180
190	11.1	193.6	17,200 *	25.0	234.0	21,800 *	30.5	248.0	23,700 *	37.9	264.3	27,300 *	44.1	274.9	31,400 *	49.5	281.4	29,700				190
200				15.7	206.5	19,700 *	23.4	227.9	21,400 *	32.3	249.9	24,500 *	39.3	263.5	28,100 *	45.1	272.0	27,500				200
210							12.9	196.6	19,300 *	25.7	231.5	22,100 *	33.9	249.9	25,200 *	40.4	261.1	25,500	45.9	267.5	21,700 *	210
220										16.7	205.1	19,900 *	27.6	232.7	22,700 *	35.1	248.0	23,600 *	41.2	256.9	19,900 *	220
230													19.4	209.3	20,500 *	29.1	231.8	21,700 *	36.1	244.2	18,300 *	230
240																21.5	210.2	20,000 *	30.2	228.6	16,800 *	240
250																9.1	172.6	18,400 *	23.0	208.3	15,400 *	250
260																			12.2	175.9	14,000 *	260



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 248,700 Lb. Crane Counterweight
 120,000 Lb. Carbody Counterweight
 360 Degree Rating

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 The Scope of ANSI B30.5

150 Ft. Boom, 190 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
65	74.6	342.9	62,300 *																			65
70	73.0	341.4	61,000 *																			70
75	71.4	339.8	59,500 *																			75
80	69.8	338.0	58,000 *																			80
85	68.2	336.0	56,400 *																			85
90	66.5	333.9	54,700 *	70.8	338.0	62,900 *																90
95	64.9	331.6	52,800 *	69.2	336.1	61,100 *																95
100	63.2	329.1	51,000 *	67.6	334.1	59,200 *																100
105	61.5	326.4	49,100 *	65.9	331.9	57,200 *																105
110	59.7	323.6	46,900 *	64.3	329.6	55,100 *	66.9	332.0	61,000 *													110
115	58.0	320.5	43,800 *	62.6	327.0	52,800 *	65.2	329.7	58,700 *													115
120	56.2	317.2	41,000 *	60.9	324.3	49,100 *	63.6	327.3	55,200 *													120
130	52.4	309.9	36,100 *	57.3	318.2	42,800 *	60.1	321.8	47,700 *													130
140	48.5	301.6	32,000 *	53.7	311.2	37,600 *	56.6	315.6	41,600 *	61.2	320.5	49,800 *										140
150	44.3	291.9	28,500 *	49.8	303.2	33,300 *	52.9	308.4	36,700 *	57.6	314.5	43,300 *										150
160	39.8	280.7	25,500 *	45.7	294.0	29,600 *	49.0	300.1	32,500 *	54.0	307.6	38,100 *										160
170	34.7	267.3	22,900 *	41.3	283.4	26,500 *	44.8	290.7	28,900 *	50.1	299.7	33,700 *	54.9	305.4	37,100							170
180	29.0	251.0	20,600 *	36.4	270.8	23,700 *	40.3	279.6	25,900 *	46.0	290.6	29,900 *	51.2	297.8	34,200							180
190	21.8	229.6	18,600 *	30.9	255.5	21,300 *	35.3	266.5	23,200 *	41.7	280.1	26,800 *	47.1	289.0	30,900 *	52.0	294.4	29,200				190
200	10.8	194.6	15,000 *	24.4	236.1	19,200 *	29.7	250.6	20,900 *	36.9	267.6	24,000 *	42.8	278.9	27,600 *	48.1	285.9	27,000				200
210				15.3	207.8	17,300 *	22.7	229.9	18,800 *	31.4	252.7	21,600 *	38.2	267.0	24,700 *	43.8	276.1	24,900 *				210
220							12.5	197.7	17,000 *	25.0	233.7	19,400 *	32.9	252.8	22,200 *	39.3	264.6	22,900 *	44.6	271.7	19,300 *	220
230										16.2	206.5	17,500 *	26.8	235.1	20,000 *	34.2	251.0	21,100 *	40.1	260.5	17,600 *	230
240													18.9	210.9	18,000 *	28.3	234.3	19,500 *	35.1	247.3	16,200 *	240
250																20.9	212.0	17,900 *	29.4	231.2	14,800 *	250
260																8.8	173.3	16,400 *	22.3	210.2	13,500 *	260
270																			11.8	176.9	12,200 *	270



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 248,700 Lb. Crane Counterweight
 120,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

M-250 SERIES 3**150 Ft. Boom, 200 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
65	75.3	353.3	57,000 *																			65
70	73.9	351.9	56,000 *																			70
75	72.4	350.3	54,800 *																			75
80	70.8	348.6	53,600 *																			80
85	69.3	346.8	52,300 *																			85
90	67.8	344.8	50,900 *																			90
95	66.2	342.6	49,400 *	70.3	346.8	55,100 *																95
100	64.6	340.3	47,600 *	68.8	344.9	53,200 *																100
105	63.0	337.8	45,400 *	67.2	342.9	51,300 *																105
110	61.4	335.1	43,300 *	65.7	340.6	49,300 *																110
115	59.8	332.2	41,300 *	64.1	338.3	47,200 *	66.6	340.7	53,900 *													115
120	58.1	329.2	39,400 *	62.5	335.7	45,100 *	65.0	338.4	51,700 *													120
130	54.6	322.4	35,600 *	59.2	330.0	41,100 *	61.8	333.3	47,200 *													130
140	51.0	314.7	31,800 *	55.8	323.6	37,300 *	58.5	327.5	41,700 *	62.7	331.9	47,500 *										140
150	47.2	306.0	28,300 *	52.2	316.2	33,100 *	55.0	320.8	36,600 *	59.4	326.3	43,400 *										150
160	43.1	295.9	25,200 *	48.4	307.8	29,400 *	51.4	313.2	32,300 *	56.0	319.9	38,000 *										160
170	38.7	284.2	22,600 *	44.5	298.1	26,200 *	47.6	304.6	28,700 *	52.5	312.6	33,500 *	56.9	317.5	36,500							170
180	33.8	270.4	20,200 *	40.2	287.0	23,400 *	43.6	294.7	25,600 *	48.8	304.3	29,700 *	53.4	310.5	33,600							180
190	28.2	253.5	18,200 *	35.5	274.0	21,000 *	39.2	283.2	22,900 *	44.8	294.7	26,500 *	49.8	302.5	30,700 *							190
200	21.3	231.4	16,300 *	30.1	258.2	18,800 *	34.4	269.6	20,500 *	40.6	283.8	23,700 *	45.9	293.3	27,300 *	50.6	299.1	26,300 *				200
210	10.6	195.5	13,000 *	23.7	238.2	16,900 *	28.9	253.2	18,400 *	35.9	270.9	21,200 *	41.7	282.7	24,400 *	46.8	290.2	24,100 *				210
220				14.9	209.1	15,200 *	22.1	231.9	16,600 *	30.6	255.4	19,000 *	37.2	270.4	21,800 *	42.7	280.0	22,200 *	47.4	285.6	18,500 *	220
230							12.2	198.7	14,900 *	24.3	235.9	17,100 *	32.1	255.7	19,600 *	38.2	268.1	20,400 *	43.4	275.6	16,800 *	230
240										15.8	207.9	15,400 *	26.1	237.4	17,600 *	33.3	254.0	18,800 *	39.0	264.1	15,400 *	240
250													18.4	212.5	15,800 *	27.5	236.7	17,200 *	34.2	250.4	14,000 *	250
260																20.4	213.8	15,800 *	28.6	233.8	12,700 *	260
270																8.6	174.0	14,400 *	21.8	212.2	11,600 *	270
280																			11.5	177.9	10,400 *	280



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 Boom No. 44 With Heavy Lift Top
 248,700 Lb. Crane Counterweight
 120,000 Lb. Carbody Counterweight
 360 Degree Rating

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 The Scope of ANSI B30.5

160 Ft. Boom, 70 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	64.3	232.6	135,600 *b																			45
50	59.6	229.9	128,000 *b																			50
55	54.7	226.5	121,100 *b																			55
60	49.4	222.4	111,900 *	63.5	230.9	131,000 *b																60
65	43.7	217.5	99,800 *	58.8	228.1	124,200 *b	66.6	231.3	138,800 *b													65
70	37.2	211.4	89,900 *	53.8	224.6	118,000 *b	62.0	228.8	131,300 *b													70
75	29.6	203.6	81,600 *	48.4	220.4	109,600 *	57.2	225.7	124,400 *b													75
80	19.3	192.0	74,600 *	42.6	215.3	97,900 *	52.1	222.0	115,600 *b													80
85				36.0	209.0	88,400 *	46.6	217.6	105,900 *	60.9	224.9	104,900 b										85
90				28.0	200.6	80,300 *	40.6	212.1	95,000 *	56.0	221.7	97,800 b										90
95				16.7	187.8	73,500 *	33.6	205.2	85,900 *	50.8	217.8	91,500										95
100							24.9	195.9	78,300 *	45.2	213.2	85,900										100
105							10.7	179.3	71,800 *	39.0	207.4	80,800	54.4	216.2	76,500 b							105
110										31.7	200.1	76,300	49.2	212.1	72,200							110
115										22.4	189.8	72,200	43.4	207.2	68,300							115
120													36.9	201.0	64,800	52.4	209.2	61,200				120
130													18.6	181.1	58,500	40.9	199.4	55,300				130
140																25.5	183.5	50,300				140
150																			44.0	195.6	47,400	150
																			30.1	181.8	43,400	



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 360 Degree Rating

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M-250 SERIES 3**160 Ft. Boom, 80 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	67.7	243.7	131,000 *b																			45
50	63.8	241.3	123,900 *b																			50
55	59.7	238.5	117,400 *b																			55
60	55.4	235.2	111,500 *	67.0	242.0	126,900 *b																60
65	50.9	231.3	100,300 *	63.1	239.6	120,600 *b																65
70	46.0	226.8	90,300 *	58.9	236.7	114,700 *b	65.8	240.0	127,900 *b													70
75	40.7	221.3	82,000 *	54.6	233.3	109,300 *	61.7	237.4	121,400 *b													75
80	34.7	214.6	74,900 *	50.0	229.3	98,400 *	57.6	234.4	114,800 *													80
85	27.6	206.0	68,900 *	45.1	224.6	88,800 *	53.1	230.8	106,500 *													85
90	17.9	193.5	63,600 *	39.7	219.0	80,700 *	48.5	226.6	95,400 *	60.7	233.5	97,100 b										90
95				33.5	212.0	73,800 *	43.4	221.6	86,300 *	56.5	230.4	90,900										95
100				26.1	202.9	67,900 *	37.8	215.6	78,600 *	52.0	226.7	85,300										100
105				15.6	189.1	62,800 *	31.3	208.0	72,100 *	47.3	222.3	80,300										105
110							23.3	198.0	66,400 *	42.1	217.1	75,800	55.2	224.9	71,500							110
115							10.0	180.2	61,400 *	36.3	210.7	71,700	50.6	221.0	67,700							115
120										29.6	202.7	68,000	45.7	216.4	64,200							120
130													34.4	204.1	58,100	48.7	213.8	54,700				130
140													17.3	182.6	52,800	38.1	202.9	49,700				140
150																23.8	185.6	45,500	41.0	199.4	42,700	150
160																			28.0	184.3	39,200	160



A.I.S.C. Certified Erector



P.C.I. Qualified Erector

L. R. WILLSON & SONS, INC.

773 ANNAPOLIS ROAD • PO BOX 227

GAMBRILLS, MARYLAND 21054

www.lrwilsonandsons.com

Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Luffing Jib Capacities****M-250 SERIES 3**

Luffing Jib No. 133 or No. 133A On
 Boom No. 44 With Heavy Lift Top
 248,700 Lb. Crane Counterweight
 120,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

160 Ft. Boom, 90 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	70.3	254.4	126,600 *b																			45
50	66.9	252.4	120,000 *b																			50
55	63.4	250.0	114,000 *b																			55
60	59.7	247.2	108,400 *	69.7	252.9	122,800 *b																60
65	55.9	243.9	100,700 *	66.3	250.8	117,000 *b																65
70	51.9	240.2	90,600 *	62.7	248.3	111,500 *																70
75	47.7	235.8	82,200 *	59.0	245.4	106,400 *	65.1	248.7	118,500 *b													75
80	43.2	230.8	75,100 *	55.2	242.1	98,800 *	61.5	246.1	112,800 *													80
85	38.2	224.8	69,000 *	51.2	238.2	89,000 *	57.8	243.1	106,000 *													85
90	32.6	217.5	63,800 *	46.9	233.7	80,900 *	53.9	239.6	95,700 *													90
95	25.9	208.3	59,100 *	42.3	228.5	74,000 *	49.9	235.5	86,500 *	60.7	242.2	90,400										95
100	16.9	195.0	55,000 *	37.3	222.4	68,100 *	45.5	230.8	78,800 *	56.9	239.1	84,800										100
105				31.5	214.8	62,900 *	40.8	225.3	72,200 *	53.0	235.5	79,900										105
110				24.5	205.1	58,400 *	35.5	218.8	66,500 *	48.8	231.3	75,400										110
115				14.6	190.4	54,400 *	29.4	210.7	61,600 *	44.4	226.4	71,400	55.7	233.7	67,200							115
120							21.9	199.9	57,200 *	39.5	220.7	67,700	51.7	229.9	63,800							120
130										27.8	205.2	60,500 *	43.0	220.4	57,700							130
140													32.3	207.0	52,500	45.8	218.1	49,300				140
150													16.3	184.0	48,000	35.8	206.1	45,100	48.0	213.8	42,200	150
160																22.4	187.5	41,400	38.5	202.9	38,800	160
170																			26.4	186.6	35,800	170



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Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Luffing Jib Capacities**

Luffing Jib No. 133 or No. 133A On
 Boom No. 44 With Heavy Lift Top
 248,700 Lb. Crane Counterweight
 120,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

M-250 SERIES 3**160 Ft. Boom, 100 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	72.4	265.0	122,100 *b																			45
50	69.3	263.2	116,000 *b																			50
55	66.2	261.1	110,300 *																			55
60	63.0	258.6	105,100 *																			60
65	59.7	255.8	100,100 *	68.8	261.6	113,200 *b																65
70	56.3	252.6	90,600 *	65.7	259.5	108,100 *																70
75	52.8	249.0	82,200 *	62.4	256.9	103,400 *	67.8	259.6	115,200 *b													75
80	49.1	244.8	75,000 *	59.1	254.1	98,800 *	64.6	257.4	109,800 *													80
85	45.1	240.0	68,900 *	55.7	250.8	89,000 *	61.4	254.7	104,300 *													85
90	40.8	234.5	63,600 *	52.1	247.0	80,800 *	58.1	251.7	95,700 *													90
95	36.2	228.1	59,000 *	48.4	242.8	73,900 *	54.6	248.3	86,400 *													95
100	30.9	220.3	54,900 *	44.4	237.9	68,000 *	50.9	244.4	78,700 *	60.6	250.9	84,200										100
105	24.5	210.5	51,200 *	40.0	232.2	62,800 *	47.1	239.9	72,100 *	57.2	247.8	79,300										105
110	16.0	196.3	47,900 *	35.3	225.6	58,200 *	43.0	234.8	66,400 *	53.7	244.2	74,800										110
115				29.8	217.5	54,200 *	38.5	228.9	61,400 *	50.0	240.2	70,800										115
120				23.2	207.1	50,600 *	33.6	221.8	57,100 *	46.1	235.6	67,100	56.2	242.4	63,100							120
130							20.7	201.7	49,700 *	37.4	224.1	60,400 *	48.9	234.5	57,000							130
140										26.3	207.5	52,300 *	40.6	224.1	51,900	51.2	231.6	48,600				140
150													30.6	209.8	47,500	43.3	222.1	44,500				150
160													15.4	185.3	43,500	33.9	209.2	40,800	45.3	218.1	38,100	160
170																21.2	189.4	37,600	36.4	206.2	35,000 *	170
180																24.9	188.8	32,200 *	24.9	188.8	32,200 *	180



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 248,700 Lb. Crane Counterweight
 120,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

M-250 SERIES 3**160 Ft. Boom, 110 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	74.0	275.5	116,500 *b																			45
50	71.3	273.9	111,000 *b																			50
55	68.5	272.0	105,900 *																			55
60	65.7	269.8	101,000 *																			60
65	62.8	267.3	96,500 *	70.8	272.3	108,300 *b																65
70	59.8	264.5	92,400 *	68.0	270.4	103,800 *																70
75	56.7	261.3	84,600 *	65.1	268.2	99,500 *																75
80	53.5	257.7	77,200 *	62.2	265.6	95,400 *	67.1	268.4	106,700 *													80
85	50.1	253.7	70,900 *	59.2	262.7	91,400 *	64.2	266.0	101,700 *													85
90	46.6	249.2	65,400 *	56.1	259.5	83,200 *	61.3	263.4	96,900 *													90
95	42.9	244.0	60,600 *	52.9	255.8	76,100 *	58.2	260.4	89,000 *													95
100	38.8	238.1	56,400 *	49.5	251.7	69,900 *	55.1	257.0	81,000 *													100
105	34.4	231.2	52,600 *	46.0	247.1	64,500 *	51.8	253.2	74,100 *	60.5	259.5	78,700										105
110	29.4	222.9	49,200 *	42.2	241.8	59,800 *	48.4	248.9	68,200 *	57.5	256.4	74,300										110
115	23.3	212.5	46,200 *	38.1	235.7	55,700 *	44.8	244.1	63,100 *	54.3	253.0	70,300										115
120	15.2	197.6	42,700 *	33.5	228.6	52,000 *	40.9	238.6	58,600 *	51.0	249.1	66,600										120
130				22.1	209.1	45,700 *	32.0	224.7	51,000 *	43.9	239.7	60,200 *	53.3	247.5	56,500							130
140							19.7	203.4	44,900 *	35.6	227.3	53,700 *	46.4	238.8	51,400							140
150										25.0	209.7	47,100 *	38.6	227.7	47,000	48.6	236.1	43,900				150
160													29.1	212.4	43,200	41.1	225.8	40,300				160
170													14.6	186.6	39,700	32.2	212.1	37,200	43.1	222.0	34,300 *	170
180																20.1	191.1	34,300	34.7	209.3	31,500 *	180
190																			23.7	190.9	29,000 *	190



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 Boom No. 44 With Heavy Lift Top
 248,700 Lb. Crane Counterweight
 120,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

M-250 SERIES 3**160 Ft. Boom, 120 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	75.4	285.9	112,000 *b																			45
50	72.9	284.4	107,000 *b																			50
55	70.4	282.7	102,200 *																			55
60	67.8	280.7	97,700 *																			60
65	65.2	278.5	93,600 *																			65
70	62.5	276.0	89,700 *	69.9	281.1	100,200 *																70
75	59.8	273.2	84,300 *	67.4	279.1	96,300 *																75
80	57.0	270.0	76,900 *	64.7	276.8	92,600 *																80
85	54.0	266.5	70,500 *	62.0	274.3	88,900 *	66.5	277.1	98,500 *													85
90	51.0	262.6	65,000 *	59.3	271.4	82,900 *	63.9	274.7	94,500 *													90
95	47.8	258.2	60,200 *	56.4	268.2	75,700 *	61.2	272.1	88,700 *													95
100	44.5	253.3	56,000 *	53.5	264.6	69,500 *	58.4	269.1	80,600 *													100
105	40.9	247.8	52,200 *	50.5	260.6	64,100 *	55.5	265.7	73,700 *													105
110	37.1	241.4	48,800 *	47.3	256.1	59,400 *	52.5	262.0	67,800 *	60.5	268.2	73,700										110
115	32.9	234.1	45,800 *	43.9	251.1	55,300 *	49.4	257.9	62,700 *	57.7	265.1	69,700										115
120	28.1	225.4	43,000 *	40.3	245.5	51,600 *	46.2	253.3	58,200 *	54.8	261.7	66,100										120
130	14.5	198.9	37,600 *	32.0	231.5	45,300 *	39.0	242.1	50,600 *	48.7	253.6	59,700 *	56.8	259.7	55,900							130
140				21.1	210.9	40,100 *	30.5	227.4	44,500 *	41.9	243.5	53,300 *	50.9	252.3	50,800							140
150							18.8	205.0	39,500 *	34.0	230.4	46,700 *	44.3	242.9	46,400	52.7	249.2	43,300				150
160										23.9	211.9	41,300 *	36.9	231.0	42,600	46.4	240.5	39,700				160
170													27.8	214.8	39,300	39.3	229.4	36,600	48.0	236.2	33,500 *	170
180													14.0	187.8	36,300	30.8	214.9	33,800	41.1	225.8	30,800 *	180
190																19.2	192.8	31,300	33.1	212.3	28,300 *	190
200																			22.7	192.9	26,000 *	200



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 120,000 Lb. Carbody Counterweight
 360 Degree Rating

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160 Ft. Boom, 130 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	74.3	294.9	103,100 *																			50
55	72.0	293.3	98,800 *																			55
60	69.6	291.5	94,700 *																			60
65	67.2	289.5	90,800 *																			65
70	64.8	287.2	87,100 *																			70
75	62.3	284.6	83,600 *	69.2	289.9	93,200 *																75
80	59.8	281.8	76,800 *	66.8	287.9	89,800 *																80
85	57.2	278.7	70,400 *	64.4	285.5	86,500 *																85
90	54.5	275.2	64,900 *	61.9	282.9	82,800 *	66.0	285.8	92,100 *													90
95	51.7	271.4	60,100 *	59.3	280.1	75,600 *	63.6	283.4	88,600 *													95
100	48.9	267.2	55,800 *	56.7	276.9	69,400 *	61.1	280.7	80,500 *													100
105	45.8	262.5	52,100 *	54.0	273.3	64,000 *	58.5	277.7	73,600 *													105
110	42.6	257.2	48,700 *	51.2	269.4	59,300 *	55.9	274.4	67,700 *	63.0	279.6	73,400										110
115	39.2	251.3	45,700 *	48.3	265.1	55,200 *	53.1	270.8	62,600 *	60.5	276.8	69,400										115
120	35.6	244.7	42,900 *	45.3	260.3	51,500 *	50.3	266.8	58,000 *	57.9	273.8	65,800										120
130	26.9	227.8	38,100 *	38.6	249.0	45,200 *	44.3	257.4	50,500 *	52.5	266.7	59,400 *										130
140	13.9	200.1	33,400 *	30.7	234.2	40,000 *	37.4	245.6	44,400 *	46.6	258.0	53,200 *	54.4	264.9	50,500							140
150				20.3	212.7	35,700 *	29.3	230.0	39,300 *	40.1	247.2	46,600 *	48.7	256.8	46,200							150
160							18.0	206.6	35,100 *	32.6	233.3	41,200 *	42.5	246.8	42,400	50.5	253.9	39,500				160
170										22.9	213.9	36,700 *	35.4	234.2	39,100	44.4	244.6	36,300				170
180													26.7	217.2	36,200	37.6	232.9	33,600	46.0	240.5	30,400 *	180
190													13.4	188.9	33,500	29.6	217.5	31,100	39.4	229.4	28,000 *	190
200																18.5	194.4	28,900	31.8	215.2	25,800 *	200
210																			21.8	194.8	23,700 *	210



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M-250 SERIES 3**160 Ft. Boom, 140 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	75.4	305.3	97,000 *																			50
55	73.3	303.8	94,200 *																			55
60	71.1	302.2	91,100 *																			60
65	68.9	300.3	87,700 *																			65
70	66.7	298.2	84,100 *																			70
75	64.5	295.9	80,200 *	70.7	300.6	89,900 *																75
80	62.2	293.3	76,200 *	68.5	298.7	86,700 *																80
85	59.8	290.5	70,000 *	66.3	296.6	83,700 *																85
90	57.4	287.4	64,500 *	64.1	294.2	80,800 *	67.8	296.7	89,200 *													90
95	54.9	283.9	59,600 *	61.7	291.6	75,200 *	65.6	294.5	85,800 *													95
100	52.4	280.2	55,400 *	59.4	288.7	69,000 *	63.3	292.1	80,100 *													100
105	49.7	276.1	51,600 *	57.0	285.5	63,600 *	61.0	289.4	73,200 *													105
110	47.0	271.5	48,200 *	54.5	282.1	58,900 *	58.6	286.4	67,300 *													110
115	44.1	266.5	45,200 *	51.9	278.3	54,700 *	56.2	283.1	62,100 *	62.8	288.3	68,800										115
120	41.0	261.0	42,400 *	49.2	274.1	51,000 *	53.7	279.6	57,600 *	60.4	285.5	65,100 *										120
130	34.2	247.8	37,700 *	43.5	264.4	44,700 *	48.3	271.3	50,000 *	55.6	279.1	58,600 *										130
140	25.9	230.1	33,600 *	37.1	252.4	39,500 *	42.5	261.3	43,900 *	50.4	271.4	52,700 *	57.3	277.1	49,900							140
150	13.4	201.2	29,600 *	29.6	236.8	35,200 *	36.0	248.8	38,900 *	44.8	262.1	46,100 *	52.2	269.9	45,600							150
160				19.5	214.4	31,600 *	28.2	232.5	34,700 *	38.6	250.7	40,700 *	46.8	261.2	41,900							160
170							17.4	208.1	31,100 *	31.4	236.1	36,200 *	40.8	250.6	38,600	48.5	258.5	35,700				170
180										22.1	215.8	32,400 *	34.0	237.3	35,700	42.7	248.5	33,000				180
190													25.7	219.5	33,000	36.2	236.2	30,600	44.2	244.6	27,100 *	190
200													12.9	190.0	30,200 *	28.4	220.0	28,400	37.9	232.9	25,000 *	200
210																17.8	196.0	26,400	30.6	217.9	23,000 *	210
220																			20.9	196.7	21,200 *	220



A.I.S.C. Certified Erector



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Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Luffing Jib Capacities**

**Luffing Jib No. 133 or No. 133A On
Boom No. 44 With Heavy Lift Top
248,700 Lb. Crane Counterweight
120,000 Lb. Carbody Counterweight
360 Degree Rating**

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

M-250 SERIES 3**160 Ft. Boom, 150 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
55	74.4	314.3	86,900 *																			55
60	72.4	312.7	84,400 *																			60
65	70.4	311.0	81,600 *																			65
70	68.4	309.1	78,700 *																			70
75	66.3	306.9	75,600 *																			75
80	64.2	304.6	72,300 *	70.0	309.4	82,700 *																80
85	62.0	302.0	68,900 *	68.0	307.5	80,000 *																85
90	59.8	299.1	65,500 *	65.9	305.3	77,300 *																90
95	57.6	296.0	60,700 *	63.8	302.9	74,700 *	67.3	305.5	83,000 *													95
100	55.3	292.7	56,300 *	61.6	300.3	70,400 *	65.2	303.2	80,000 *													100
105	52.9	289.0	52,500 *	59.4	297.4	64,800 *	63.1	300.7	74,700 *													105
110	50.5	284.9	49,000 *	57.2	294.2	59,900 *	60.9	298.0	68,600 *													110
115	47.9	280.6	45,900 *	54.9	290.8	55,600 *	58.7	295.1	63,200 *													115
120	45.3	275.7	43,000 *	52.5	287.0	51,800 *	56.4	291.8	58,600 *	62.6	296.9	64,400 *										120
130	39.5	264.6	38,100 *	47.4	278.5	45,400 *	51.7	284.4	50,800 *	58.2	291.1	57,900 *										130
140	33.0	250.7	34,000 *	42.0	268.2	40,100 *	46.6	275.6	44,500 *	53.5	284.2	52,400 *										140
150	25.0	232.3	30,500 *	35.8	255.6	35,600 *	41.0	265.0	39,400 *	48.6	276.0	46,700 *	55.2	282.4	45,100							150
160	12.9	202.3	25,500 *	28.5	239.4	31,900 *	34.7	252.0	35,100 *	43.2	266.1	41,200 *	50.3	274.6	41,300							160
170				18.8	216.0	28,700 *	27.2	235.0	31,400 *	37.2	254.1	36,600 *	45.1	265.4	38,100	51.8	271.6	35,200				170
180							16.7	209.5	28,300 *	30.3	238.8	32,700 *	39.4	254.2	35,200	46.7	262.9	32,500				180
190										21.3	217.7	29,400 *	32.8	240.2	32,600 *	41.2	252.3	30,100				190
200													24.8	221.7	30,000 *	34.9	239.3	27,900	42.6	248.5	24,200 *	200
210													12.4	191.1	27,500 *	27.4	222.5	25,900	36.6	236.2	22,300 *	210
220																17.1	197.5	24,100	29.5	220.5	20,500 *	220
230																			20.2	198.4	18,900 *	230



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 248,700 Lb. Crane Counterweight
 120,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

M-250 SERIES 3**160 Ft. Boom, 160 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
55	75.4	324.6	79,900 *																			55
60	73.6	323.2	78,000 *																			60
65	71.7	321.6	75,800 *																			65
70	69.8	319.8	73,400 *																			70
75	67.9	317.8	70,900 *																			75
80	65.9	315.6	68,200 *																			80
85	63.9	313.2	65,300 *	69.4	318.2	77,100 *																85
90	61.9	310.6	62,400 *	67.5	316.2	74,700 *																90
95	59.8	307.8	59,500 *	65.5	314.0	72,300 *																95
100	57.7	304.7	55,800 *	63.6	311.6	69,800 *	66.9	314.2	77,200 *													100
105	55.6	301.4	51,900 *	61.5	308.9	64,300 *	64.9	311.9	74,200 *													105
110	53.4	297.7	48,400 *	59.5	306.0	59,400 *	62.9	309.4	68,000 *													110
115	51.1	293.8	45,300 *	57.4	302.9	55,100 *	60.9	306.7	62,700 *													115
120	48.7	289.5	42,500 *	55.2	299.5	51,300 *	58.8	303.7	58,000 *													120
130	43.7	279.8	37,600 *	50.7	291.8	44,800 *	54.5	297.0	50,200 *	60.4	302.8	57,100 *										130
140	38.2	268.1	33,500 *	45.8	282.8	39,500 *	49.9	289.1	44,000 *	56.1	296.5	51,600 *										140
150	31.9	253.6	30,000 *	40.6	271.9	35,100 *	45.0	279.8	38,800 *	51.7	289.1	46,200 *	57.6	294.5	44,500							150
160	24.2	234.4	27,000 *	34.6	258.7	31,400 *	39.7	268.7	34,500 *	46.9	280.4	40,700 *	53.3	287.5	40,800							160
170	12.5	203.4	22,500 *	27.6	241.8	28,200 *	33.6	255.0	30,900 *	41.8	270.0	36,100 *	48.6	279.2	37,500							170
180				18.2	217.6	25,400 *	26.3	237.3	27,700 *	36.0	257.4	32,200 *	43.6	269.4	34,600 *	50.1	276.3	31,900				180
190							16.2	210.9	25,000 *	29.3	241.5	28,900 *	38.1	257.7	31,800 *	45.2	267.0	29,500				190
200										20.6	219.5	26,000 *	31.7	243.1	29,300 *	39.8	256.0	27,300	46.4	262.9	23,400 *	200
210													23.9	223.8	27,000 *	38.8	242.4	25,400	41.2	252.3	21,500 *	210
220													12.0	192.1	24,300 *	26.5	224.8	23,500 *	35.4	239.4	19,700 *	220
230																16.6	198.9	21,700 *	28.5	223.1	18,100 *	230
240																			19.5	200.1	16,600 *	240



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 248,700 Lb. Crane Counterweight
 120,000 Lb. Carbody Counterweight
 360 Degree Rating

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M-250 SERIES 3**160 Ft. Boom, 170 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
60	74.6	333.6	72,000 *																			60
65	72.8	332.1	70,300 *																			65
70	71.0	330.4	68,400 *																			70
75	69.2	328.6	66,300 *																			75
80	67.4	326.6	64,100 *																			80
85	65.6	324.3	61,800 *	70.7	328.9	73,300 *																85
90	63.7	321.9	59,300 *	68.9	327.0	71,800 *																90
95	61.8	319.3	56,800 *	67.1	325.0	70,000 *																95
100	59.8	316.5	54,300 *	65.2	322.7	67,900 *																100
105	57.9	313.4	51,600 *	63.4	320.2	64,000 *	66.5	322.9	72,300 *													105
110	55.8	310.1	48,100 *	61.4	317.6	59,100 *	64.6	320.6	67,700 *													110
115	53.8	306.5	45,000 *	59.5	314.7	54,800 *	62.7	318.1	62,400 *													115
120	51.6	302.6	42,200 *	57.5	311.6	51,000 *	60.8	315.4	57,700 *													120
130	47.2	293.9	37,300 *	53.4	304.6	44,500 *	56.9	309.2	49,900 *	62.3	314.3	57,200 *										130
140	42.4	283.7	33,200 *	49.0	296.4	39,200 *	52.7	302.0	43,600 *	58.4	308.5	51,600 *										140
150	37.0	271.4	29,700 *	44.4	286.9	34,800 *	48.3	293.7	38,500 *	54.3	301.7	45,900 *										150
160	30.9	256.4	26,700 *	39.3	275.5	31,100 *	43.6	283.8	34,200 *	50.0	293.8	40,400 *	55.7	299.8	40,500							160
170	23.4	236.5	24,000 *	33.5	261.7	27,900 *	38.4	272.2	30,600 *	45.4	284.6	35,800 *	51.5	292.3	37,200							170
180	12.1	204.4	20,000 *	26.7	244.2	25,100 *	32.5	257.9	27,400 *	40.4	273.7	31,900 *	47.1	283.6	34,300	52.8	289.2	31,600				180
190				17.6	219.1	22,600 *	25.5	239.5	24,700 *	34.9	260.5	28,600 *	42.2	273.3	31,600 *	48.5	280.9	29,200				190
200							15.7	212.3	22,300 *	28.4	244.0	25,700 *	36.9	261.0	29,200 *	43.7	271.1	27,000				200
210										20.0	221.2	23,200 *	30.8	245.8	26,700 *	38.6	259.5	25,100	45.0	267.0	21,200 *	210
220																			39.9	255.9	19,400 *	220
230																			34.3	242.5	17,800 *	230
240																			27.6	225.5	16,400 *	240
250																			18.9	201.8	15,000 *	250



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 120,000 Lb. Carbody Counterweight
 360 Degree Rating

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M-250 SERIES 3**160 Ft. Boom, 180 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
60	75.4	344.0	66,300 *																			60
65	73.8	342.6	64,900 *																			65
70	72.1	341.0	63,400 *																			70
75	70.4	339.3	61,700 *																			75
80	68.7	337.4	59,900 *																			80
85	67.0	335.3	58,000 *																			85
90	65.3	333.0	56,000 *	70.1	337.7	66,900 *																90
95	63.5	330.6	53,900 *	68.4	335.8	65,500 *																95
100	61.7	328.0	51,800 *	66.7	333.7	63,700 *																100
105	59.9	325.1	49,600 *	64.9	331.4	61,600 *	67.9	333.8	67,900 *													105
110	58.0	322.1	47,400 *	63.2	328.9	58,600 *	66.1	331.6	65,700 *													110
115	56.1	318.8	44,500 *	61.4	326.2	54,300 *	64.4	329.3	61,900 *													115
120	54.1	315.2	41,700 *	59.5	323.4	50,500 *	62.6	326.8	57,200 *													120
130	50.1	307.3	36,800 *	55.7	316.9	44,000 *	58.9	321.1	49,400 *													130
140	45.8	298.2	32,600 *	51.8	309.5	38,700 *	55.1	314.5	43,100 *	60.3	320.1	50,800 *										140
150	41.1	287.4	29,100 *	47.6	300.9	34,300 *	51.1	306.9	38,000 *	56.6	313.9	45,400 *										150
160	35.9	274.7	26,100 *	43.1	290.8	30,500 *	46.9	298.0	33,700 *	52.7	306.7	39,800 *	57.9	311.8	39,900							160
170	30.0	259.0	23,500 *	38.1	279.0	27,300 *	42.3	287.7	30,000 *	48.5	298.4	35,200 *	54.0	304.9	36,600							170
180	22.7	238.5	21,200 *	32.6	264.7	24,500 *	37.3	275.5	26,900 *	44.1	288.7	31,400 *	50.0	297.0	33,600 *							180
190	11.7	205.4	17,500 *	26.0	246.5	22,100 *	31.6	260.7	24,200 *	39.2	277.3	28,000 *	45.6	287.8	30,900 *	51.2	294.0	28,600				190
200				17.1	220.6	19,900 *	24.7	241.7	21,800 *	33.8	263.6	25,200 *	41.0	277.1	28,400 *	47.0	285.2	26,500				200
210							15.2	213.6	19,700 *	27.5	246.4	22,700 *	35.8	264.2	26,100 *	42.4	275.0	24,400 *				210
220										19.4	222.9	20,500 *	29.9	248.5	23,500 *	37.4	262.9	22,500 *	43.6	271.1	18,600 *	220
230													22.5	227.8	21,200 *	31.8	248.1	20,700 *	38.7	259.5	17,100 *	230
240													11.3	194.1	19,100 *	25.0	229.3	19,100 *	33.3	245.5	15,600 *	240
250																15.6	201.6	17,600 *	26.8	227.9	14,300 *	250
260																			18.4	203.4	13,000 *	260



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M-250 SERIES 3**160 Ft. Boom, 190 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
65	74.7	353.0	59,800 *																			65
70	73.1	351.5	58,500 *																			70
75	71.5	349.9	57,200 *																			75
80	69.9	348.1	55,700 *																			80
85	68.3	346.1	54,100 *																			85
90	66.6	344.0	52,500 *																			90
95	65.0	341.7	50,800 *	69.6	346.5	59,500 *																95
100	63.3	339.3	49,000 *	68.0	344.6	57,700 *																100
105	61.6	336.6	47,200 *	66.3	342.4	55,700 *																105
110	59.9	333.8	45,400 *	64.7	340.1	53,700 *	67.5	342.6	61,100 *													110
115	58.1	330.7	43,500 *	63.0	337.6	51,700 *	65.8	340.4	59,000 *													115
120	56.3	327.5	41,700 *	61.3	334.9	49,600 *	64.1	338.0	56,900 *													120
130	52.6	320.2	36,700 *	57.8	328.9	44,100 *	60.7	332.7	49,700 *													130
140	48.6	311.9	32,500 *	54.1	322.1	38,700 *	57.2	326.6	43,200 *	62.0	331.6	50,100 *										140
150	44.5	302.3	28,900 *	50.3	314.2	34,200 *	53.5	319.6	38,000 *	58.6	325.8	45,400 *										150
160	39.9	291.1	25,900 *	46.2	305.2	30,400 *	49.6	311.5	33,600 *	54.9	319.1	39,900 *										160
170	34.9	277.8	23,200 *	41.8	294.7	27,100 *	45.5	302.3	29,800 *	51.1	311.5	35,200 *	56.2	317.2	36,000 *							170
180	29.2	261.6	20,900 *	37.1	282.3	24,300 *	41.1	291.5	26,700 *	47.1	302.7	31,200 *	52.5	309.9	33,000 *							180
190	22.1	240.4	18,800 *	31.7	267.5	21,800 *	36.2	278.8	23,900 *	42.8	292.6	27,800 *	48.5	301.6	30,200 *							190
200	11.4	206.4	15,400 *	25.2	248.7	19,600 *	30.7	263.5	21,500 *	38.1	280.7	24,900 *	44.4	291.9	27,800 *	49.8	298.7	25,900 *				200
210				16.7	222.1	17,700 *	24.1	243.9	19,300 *	32.9	266.5	22,400 *	39.8	280.7	25,600 *	45.7	289.5	23,800 *				210
220							14.8	214.9	17,400 *	26.8	248.8	20,100 *	34.8	267.4	23,200 *	41.2	278.8	21,900 *	46.7	285.3	17,900 *	220
230										18.9	224.6	18,100 *	29.0	251.1	20,900 *	36.4	266.2	20,100 *	42.4	275.0	16,400 *	230
240													21.9	229.7	18,800 *	30.9	250.9	18,500 *	37.7	262.9	15,000 *	240
250													11.0	195.0	16,900 *	24.3	231.4	17,000 *	32.3	248.4	13,600 *	250
260																15.2	202.9	15,600 *	26.1	230.2	12,400 *	260
270																			17.9	205.0	11,200 *	270



A.I.S.C. Certified Erector



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www.lrwilsonandsons.com

Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Luffing Jib Capacities**

Luffing Jib No. 133 or No. 133A On
 Boom No. 44 With Heavy Lift Top
 248,700 Lb. Crane Counterweight
 120,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

M-250 SERIES 3**160 Ft. Boom, 200 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
65	75.4	363.4	55,000 *																			65
70	74.0	362.0	54,000 *																			70
75	72.5	360.4	52,900 *																			75
80	70.9	358.7	51,700 *																			80
85	69.4	356.9	50,500 *																			85
90	67.9	354.9	49,100 *																			90
95	66.3	352.8	47,700 *	70.7	352.2	55,000 *																95
100	64.7	350.4	46,200 *	69.1	355.3	53,300 *																100
105	63.1	348.0	44,700 *	67.6	353.3	51,400 *																105
110	61.5	345.3	43,100 *	66.0	351.1	49,500 *																110
115	59.9	342.4	41,400 *	64.5	348.8	47,600 *	67.1	351.3	54,300 *													115
120	58.2	339.4	39,500 *	62.9	346.3	45,500 *	65.5	349.1	52,200 *													120
130	54.7	332.7	35,800 *	59.6	340.7	41,600 *	62.3	344.1	47,800 *													130
140	51.1	325.0	32,000 *	56.2	334.3	37,800 *	59.0	338.4	42,700 *													140
150	47.3	316.3	28,400 *	52.6	327.1	33,600 *	55.6	331.9	37,400 *	60.3	337.5	44,400 *										150
160	43.3	306.3	25,300 *	48.9	318.8	29,800 *	52.1	324.5	33,000 *	56.9	331.3	39,300 *										160
170	38.9	294.6	22,600 *	45.0	309.3	26,500 *	48.3	316.0	29,300 *	53.4	324.2	34,600 *										170
180	34.0	280.9	20,300 *	40.7	298.4	23,700 *	44.3	306.3	26,100 *	49.7	316.2	30,600 *	54.7	322.4	32,200 *							180
190	28.4	264.2	18,200 *	36.1	285.6	21,300 *	40.0	295.2	23,300 *	45.9	307.0	27,300 *	51.0	314.7	29,500 *							190
200	21.5	242.3	16,400 *	30.8	270.3	19,100 *	35.3	282.0	20,900 *	41.7	296.4	24,400 *	47.2	306.0	27,000 *	52.2	311.6	25,100 *				200
210	11.1	207.4	13,300 *	24.6	250.9	17,100 *	29.9	266.2	18,800 *	37.1	284.1	21,800 *	43.2	295.9	24,800 *	48.4	303.2	23,000 *				210
220				16.2	223.5	15,400 *	23.4	245.9	16,900 *	32.0	269.4	19,600 *	38.8	284.2	22,700 *	44.4	293.6	21,100 *				220
230							14.4	216.1	15,200 *	26.1	251.1	17,600 *	33.9	270.4	20,300 *	40.1	282.4	19,400 *	45.5	289.5	15,600 *	230
240										18.4	226.2	15,800 *	28.3	253.6	18,300 *	35.4	269.4	17,800 *	41.2	278.7	14,200 *	240
250													21.3	231.6	16,400 *	30.1	253.6	16,300 *	36.7	266.2	12,800 *	250
260													10.7	195.9	14,700 *	23.6	233.5	14,900 *	31.5	251.2	11,600 *	260
270																14.8	204.2	13,600 *	25.4	232.5	10,500 *	270
280																			17.4	206.5	9,400 *	280

**A.I.S.C. Certified Erector****PCI P.C.I. Qualified Erector**

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Luffing Jib No. 133 or No. 133A On
 Boom No. 44 With Heavy Lift Top
 248,700 Lb. Crane Counterweight
 120,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

M-250 SERIES 3**170 Ft. Boom, 70 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	64.6	242.8	134,400 *b																			45
50	60.0	240.1	127,200 *b																			50
55	55.1	236.7	120,600 *b																			55
60	49.8	232.7	112,800 *	64.6	241.5	129,100 *b																60
65	44.1	227.9	100,600 *	59.9	238.7	121,900 *b																65
70	37.7	221.9	90,500 *	55.0	235.4	115,200 *b	63.6	239.5	128,900 *b													70
75	30.2	214.2	82,200 *	49.8	231.4	109,000 *	58.9	236.7	121,400 *b													75
80	20.2	203.0	75,100 *	44.1	226.6	100,600 *	53.9	233.2	113,500 *b													80
85				37.7	220.6	90,500 *	48.6	229.0	105,400 *													85
90				30.1	212.8	82,200 *	42.8	224.0	98,200 *	58.5	233.1	96,700 b										90
95				20.1	201.6	75,100 *	36.2	217.7	88,900 *	53.5	229.6	90,400 b										95
100							28.2	209.4	80,800 *	48.2	225.4	84,900										100
105							17.1	196.8	74,000 *	42.3	220.2	79,900	57.9	228.0	75,200 b							105
110										35.7	213.8	75,500	52.8	224.4	71,000 b							110
115										27.6	205.3	71,400	47.4	220.1	67,200							115
120										16.0	192.1	67,600 *	41.4	214.8	63,800							120
130													26.3	199.3	57,600	46.1	213.1	54,100				130
140																32.9	200.5	49,300				140
150																8.0	172.0	44,900	37.6	198.2	42,200	150
160																			20.0	179.2	38,700	160



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 360 Degree Rating

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M-250 SERIES 3**170 Ft. Boom, 80 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	68.0	253.8	129,700 *b																			45
50	64.1	251.5	122,900 *b																			50
55	60.0	248.7	116,700 *b																			55
60	55.7	245.5	111,100 *	68.0	252.5	124,700 *b																60
65	51.2	241.6	101,100 *	64.0	250.2	118,100 *b																65
70	46.3	237.1	91,000 *	59.9	247.4	111,900 *b	67.1	250.6	125,200 *b													70
75	41.1	231.7	82,500 *	55.7	244.1	106,100 *	63.2	248.2	118,200 *b													75
80	35.1	225.1	75,400 *	51.2	240.3	100,700 *	59.0	245.3	111,600 *b													80
85	28.1	216.7	69,300 *	46.3	235.8	91,000 *	54.7	242.0	104,600 *													85
90	18.8	204.6	64,000 *	41.0	230.4	82,500 *	50.1	238.0	97,500 *	62.9	244.6	96,000 b										90
95				35.1	223.8	75,400 *	45.2	233.3	89,300 *	58.7	241.7	89,800 b										95
100				28.1	215.3	69,300 *	39.8	227.6	81,100 *	54.4	238.3	84,300										100
105				18.7	203.3	64,000 *	33.7	220.7	74,200 *	49.8	234.3	79,400										105
110							26.3	211.7	68,300 *	44.8	229.5	74,900										110
115							15.9	198.1	63,100 *	39.4	223.8	70,900 *	53.8	233.2	66,600							115
120										33.2	216.8	67,100 *	49.1	229.1	63,100							120
130										14.9	193.4	60,400 *	38.6	218.3	57,100	52.7	226.4	53,400				130
140													24.5	201.4	51,900	42.9	217.0	48,600				140
150																30.6	203.2	44,500	46.3	213.4	41,500	150
160																7.4	172.6	40,700	35.1	201.4	38,100	160
170																			18.6	180.8	35,100 *	170



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Luffing Jib No. 133 or No. 133A On
 Boom No. 44 With Heavy Lift Top
 248,700 Lb. Crane Counterweight
 120,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

M-250 SERIES 3**170 Ft. Boom, 90 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	70.6	264.5	125,100 *b																			45
50	67.1	262.5	119,000 *b																			50
55	63.6	260.2	113,100 *b																			55
60	60.0	257.4	107,800 *	70.6	263.2	120,300 *b																60
65	56.2	254.2	101,500 *	67.1	261.2	114,300 *b																65
70	52.2	250.4	91,300 *	63.6	258.8	108,600 *b																70
75	48.0	246.1	82,800 *	60.0	256.1	103,300 *	66.4	259.3	115,100 *b													75
80	43.5	241.1	75,600 *	56.2	252.8	98,300 *	62.8	256.9	109,100 *b													80
85	38.6	235.2	69,400 *	52.2	249.1	91,300 *	59.1	254.0	103,400 *													85
90	33.0	228.1	64,100 *	48.0	244.8	82,800 *	55.3	250.7	96,900 *													90
95	26.4	219.0	59,400 *	43.5	239.8	75,600 *	51.3	246.8	89,500 *	62.6	253.3	89,300 *										95
100	17.6	206.2	55,300 *	38.6	233.9	69,500 *	47.0	242.4	81,300 *	58.9	250.4	83,800 *										100
105				33.0	226.7	64,100 *	42.5	237.2	74,400 *	55.0	247.1	78,800 *										105
110				26.4	217.7	59,500 *	37.4	231.1	68,400 *	51.0	243.2	74,400 *										110
115				17.6	204.8	55,300 *	31.7	223.6	63,200 *	46.7	238.7	70,300 *										115
120							24.7	213.9	58,700 *	42.1	233.4	66,600 *	54.5	241.9	62,700							120
130										31.2	219.6	60,100 *	46.1	233.4	56,700							130
140										14.0	194.6	54,400 *	36.3	221.6	51,600	49.4	231.1	48,100				140
150													23.0	203.4	47,200	40.3	220.8	44,000				150
160																28.8	205.8	40,500	43.5	217.5	37,600	160
170																6.9	173.2	37,200	33.0	204.4	34,600 *	170
180																			17.5	182.4	31,800 *	180



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 248,700 Lb. Crane Counterweight
 120,000 Lb. Carbody Counterweight
 360 Degree Rating

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M-250 SERIES 3**170 Ft. Boom, 100 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	72.6	275.1	120,500 *b																			45
50	69.5	273.3	114,800 *b																			50
55	66.4	271.3	109,300 *b																			55
60	63.3	268.8	104,400 *																			60
65	60.0	266.0	99,700 *	69.5	272.0	110,200 *b																65
70	56.6	262.9	91,200 *	66.4	269.9	105,100 *																70
75	53.0	259.2	82,700 *	63.2	267.5	100,200 *																75
80	49.3	255.1	75,500 *	60.0	264.7	95,500 *	65.7	268.0	106,000 *													80
85	45.4	250.4	69,300 *	56.6	261.5	91,100 *	62.5	265.5	100,800 *													85
90	41.1	244.9	64,000 *	53.0	257.9	82,700 *	59.2	262.7	95,900 *													90
95	36.5	238.5	59,300 *	49.3	253.8	75,500 *	55.8	259.4	89,500 *													95
100	31.3	230.9	55,100 *	45.4	249.1	69,300 *	52.2	255.7	81,200 *	62.3	262.0	82,900 *										100
105	25.0	221.2	51,500 *	41.1	243.6	64,000 *	48.5	251.4	74,300 *	59.0	259.1	77,900 *										105
110	16.7	207.6	48,100 *	36.5	237.2	59,300 *	44.5	246.5	68,300 *	55.6	255.8	73,500 *										110
115				31.2	229.5	55,200 *	40.1	240.9	63,100 *	52.0	252.0	69,500 *										115
120				25.0	219.9	51,500 *	35.4	234.3	58,500 *	48.2	247.7	65,800 *										120
130							23.4	216.0	50,900 *	39.8	237.1	59,300 *	51.4	246.8	56,000							130
140										29.5	222.2	53,800 *	43.6	237.4	51,000							140
150										13.3	195.7	47,400 *	34.3	224.7	46,600	46.7	235.5	43,400				150
160													21.8	205.3	42,800	38.1	224.2	39,800				160
170																27.2	208.2	36,700	41.1	221.3	33,700 *	170
180																6.5	173.7	33,800	31.2	207.2	31,000 *	180
190																			16.6	183.8	28,400 *	190



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 The Scope of ANSI B30.5

170 Ft. Boom, 110 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	74.2	285.6	114,900 *b																			45
50	71.5	284.0	109,700 *b																			50
55	68.7	282.1	104,800 *																			55
60	65.9	280.0	100,200 *																			60
65	63.0	277.5	95,900 *																			65
70	60.0	274.7	91,900 *	68.7	280.8	102,200 *																70
75	56.9	271.5	85,200 *	65.8	278.7	97,700 *																75
80	53.7	268.0	77,700 *	62.9	276.2	93,400 *																80
85	50.4	264.0	71,300 *	60.0	273.4	89,200 *	65.2	276.7	98,200 *													85
90	46.9	259.5	65,800 *	56.9	270.2	85,200 *	62.3	274.2	93,600 *													90
95	43.1	254.4	60,900 *	53.7	266.7	77,700 *	59.3	271.3	89,200 *													95
100	39.1	248.5	56,700 *	50.4	262.7	71,300 *	56.2	268.1	83,600 *													100
105	34.7	241.7	52,900 *	46.8	258.2	65,800 *	53.0	264.4	76,400 *	62.1	270.6	77,200 *										105
110	29.7	233.5	49,500 *	43.1	253.0	60,900 *	49.6	260.3	70,200 *	59.1	267.7	72,800 *										110
115	23.8	223.3	46,400 *	39.1	247.2	56,700 *	46.0	255.7	64,800 *	56.0	264.5	68,700 *										115
120	15.9	209.0	43,400 *	34.7	240.3	52,900 *	42.3	250.4	60,100 *	52.7	260.8	65,100 *										120
130				23.8	222.0	46,400 *	33.7	237.3	52,200 *	45.8	252.0	58,700 *	55.5	259.4	55,500							130
140							22.3	217.9	45,900 *	37.9	240.5	53,200 *	48.9	251.4	50,400							140
150										28.1	224.7	48,500 *	41.4	241.2	46,100	51.5	248.8	42,800				150
160										12.6	196.8	43,000 *	32.6	227.6	42,400	44.4	239.6	39,300				160
170													20.7	207.1	39,000	36.2	227.5	36,200	46.8	235.8	33,000 *	170
180																25.9	210.5	33,500	39.1	224.8	30,300 *	180
190																6.2	174.2	30,900	29.7	209.8	27,900 *	190
200																			15.8	185.1	25,600 *	200



A.I.S.C. Certified Erector



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Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Luffing Jib Capacities**

Luffing Jib No. 133 or No. 133A On
 Boom No. 44 With Heavy Lift Top
 248,700 Lb. Crane Counterweight
 120,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

M-250 SERIES 3**170 Ft. Boom, 120 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	75.6	296.0	110,200 *b																			45
50	73.1	294.5	105,500 *b																			50
55	70.6	292.8	101,100 *																			55
60	68.0	290.9	96,900 *																			60
65	65.4	288.7	92,800 *																			65
70	62.7	286.2	89,100 *	70.5	291.5	98,500 *																70
75	60.0	283.4	84,600 *	68.0	289.6	94,300 *																75
80	57.2	280.2	77,300 *	65.4	287.4	90,400 *																80
85	54.3	276.7	70,900 *	62.7	284.9	86,600 *	67.4	287.7	95,900 *													85
90	51.2	272.8	65,400 *	60.0	282.0	83,000 *	64.8	285.4	91,700 *													90
95	48.1	268.5	60,500 *	57.1	278.9	77,300 *	62.1	282.9	87,700 *													95
100	44.7	263.6	56,300 *	54.2	275.4	70,900 *	59.4	280.0	83,300 *													100
105	41.2	258.2	52,500 *	51.2	271.5	65,400 *	56.5	276.8	76,000 *													105
110	37.4	251.9	49,100 *	48.0	267.2	60,500 *	53.6	273.2	69,800 *	61.9	279.3	72,300 *										110
115	33.2	244.7	46,000 *	44.7	262.3	56,300 *	50.5	269.2	64,400 *	59.2	276.4	68,300 *										115
120	28.4	236.1	43,200 *	41.2	256.8	52,500 *	47.3	264.8	59,700 *	56.3	273.2	64,600 *										120
130	15.2	210.3	38,100 *	33.1	243.3	46,000 *	40.4	254.1	51,800 *	50.3	265.6	58,200 *										130
140				22.7	224.0	40,700 *	32.2	240.2	45,500 *	43.7	256.0	52,700 *	52.9	264.4	49,800							140
150							21.3	219.8	40,300 *	36.2	243.8	48,000 *	46.6	255.8	45,500							150
160										26.9	227.1	42,600 *	39.6	244.8	41,800	49.1	253.5	38,700				160
170										12.0	197.8	37,900 *	31.2	230.4	38,500	42.4	243.5	35,600				170
180													19.8	208.9	35,600	34.6	230.7	32,900	44.7	240.0	29,500 *	180
190																24.8	212.7	30,500	37.3	228.2	27,100 *	190
200																5.9	174.6	28,200	28.4	212.4	24,900 *	200
210																			15.0	186.4	22,900 *	210



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**Luffing Jib No. 133 or No. 133A On
Boom No. 44 With Heavy Lift Top
248,700 Lb. Crane Counterweight
120,000 Lb. Carbody Counterweight
360 Degree Rating**

**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**

M-250 SERIES 3**170 Ft. Boom, 130 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	74.4	305.0	100,200 *b																			50
55	72.1	303.4	96,900 *																			55
60	69.8	301.6	93,300 *																			60
65	67.4	299.6	89,300 *																			65
70	65.0	297.4	85,100 *																			70
75	62.5	294.8	80,800 *	69.8	300.3	91,100 *																75
80	60.0	292.0	76,400 *	67.4	298.3	87,500 *																80
85	57.4	288.9	70,800 *	65.0	296.0	84,000 *																85
90	54.7	285.5	65,300 *	62.5	293.5	80,700 *	66.9	296.4	89,100 *													90
95	51.9	281.7	60,400 *	60.0	290.7	77,300 *	64.4	294.1	85,400 *													95
100	49.1	277.5	56,100 *	57.4	287.6	70,800 *	61.9	291.5	81,800 *													100
105	46.0	272.8	52,300 *	54.7	284.2	65,300 *	59.4	288.7	75,900 *													105
110	42.9	267.6	48,900 *	51.9	280.3	60,400 *	56.8	285.5	69,700 *													110
115	39.5	261.8	45,900 *	49.0	276.1	56,100 *	54.1	282.0	64,300 *	61.8	288.0	67,900 *										115
120	35.8	255.2	43,100 *	46.0	271.5	52,300 *	51.3	278.1	59,500 *	59.2	285.1	64,300 *										120
130	27.3	238.5	38,300 *	39.5	260.4	45,900 *	45.4	269.0	51,600 *	53.9	278.3	57,800 *										130
140	14.5	211.5	33,900 *	31.8	246.2	40,600 *	38.7	257.7	45,300 *	48.2	270.1	52,400 *	56.2	276.8	49,600							140
150				21.8	225.9	36,200 *	30.8	242.9	40,100 *	41.9	259.9	47,700 *	50.7	269.2	45,300							150
160							20.4	221.6	35,800 *	34.7	247.0	42,500 *	44.7	259.9	41,600	52.9	266.4	38,400				160
170										25.8	229.4	37,800 *	37.9	248.3	38,300	47.1	257.9	35,400				170
180										11.5	198.8	33,800 *	29.9	233.1	35,400	40.6	247.2	32,700				180
190													19.0	210.5	32,700 *	33.2	233.6	30,300	42.8	243.9	26,800 *	190
200																23.8	214.8	28,100	35.8	231.5	24,600 *	200
210																5.7	175.1	26,000	27.2	214.8	22,700 *	210
220																			14.4	187.7	20,900 *	220

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M-250 SERIES 3**170 Ft. Boom, 140 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	75.6	315.4	92,300 *																			50
55	73.4	313.9	89,700 *																			55
60	71.3	312.3	86,800 *																			60
65	69.1	310.4	83,600 *																			65
70	66.9	308.4	80,200 *																			70
75	64.6	306.0	76,500 *																			75
80	62.3	303.5	72,800 *	69.1	309.1	84,300 *																80
85	60.0	300.7	69,100 *	66.9	307.0	81,100 *																85
90	57.6	297.6	64,800 *	64.6	304.7	78,100 *																90
95	55.1	294.2	60,000 *	62.3	302.2	75,100 *	66.4	305.2	82,700 *													95
100	52.5	290.5	55,700 *	60.0	299.4	70,400 *	64.1	302.8	79,400 *													100
105	49.9	286.4	51,900 *	57.6	296.3	64,800 *	61.8	300.2	75,500 *													105
110	47.2	281.9	48,500 *	55.1	292.9	60,000 *	59.4	297.3	69,200 *													110
115	44.3	276.9	45,400 *	52.5	289.1	55,700 *	57.0	294.2	63,800 *													115
120	41.2	271.4	42,600 *	49.9	285.0	51,900 *	54.5	290.7	59,100 *	61.6	296.6	63,400 *										120
130	34.5	258.3	37,800 *	44.2	275.6	45,400 *	49.3	282.7	51,200 *	56.9	290.6	57,100 *										130
140	26.2	240.8	33,800 *	38.0	263.9	40,100 *	43.6	273.0	44,900 *	51.8	283.2	51,600 *										140
150	14.0	212.7	30,000 *	30.6	248.9	35,700 *	37.2	261.0	39,700 *	46.3	274.4	47,000 *	54.0	281.9	44,700							150
160				21.0	227.7	32,000 *	29.7	245.6	35,300 *	40.3	263.6	42,000 *	48.7	273.8	41,000							160
170							19.7	223.3	31,700 *	33.4	250.0	37,300 *	43.0	263.9	37,800 *	50.8	271.2	34,700				170
180										24.8	231.6	33,300 *	36.5	251.6	34,800 *	45.2	262.1	32,100				180
190										11.1	199.7	29,900 *	28.8	235.7	32,000 *	39.1	250.8	29,700	47.1	258.2	25,900 *	190
200													18.3	212.1	29,500 *	31.9	236.5	27,600	41.2	247.7	23,800 *	200
210																22.9	216.8	25,600	34.4	234.6	21,900 *	210
220																5.4	175.5	23,600 *	26.2	217.1	20,100 *	220
230																			13.9	188.8	18,500 *	230



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 360 Degree Rating

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M-250 SERIES 3**170 Ft. Boom, 150 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
55	74.6	324.4	82,900 *																			55
60	72.6	322.8	80,600 *																			60
65	70.6	321.1	78,000 *																			65
70	68.5	319.2	75,200 *																			70
75	66.4	317.1	72,300 *																			75
80	64.3	314.7	69,100 *	70.5	319.8	81,800 *																80
85	62.2	312.2	65,900 *	68.5	317.9	78,900 *																85
90	60.0	309.3	62,700 *	66.4	315.8	76,100 *																90
95	57.7	306.3	59,400 *	64.3	313.4	73,400 *																95
100	55.4	302.9	56,200 *	62.2	310.8	70,700 *	66.0	313.9	77,000 *													100
105	53.1	299.2	52,700 *	60.0	308.0	66,100 *	63.8	311.5	74,200 *													105
110	50.6	295.2	49,200 *	57.7	304.9	61,100 *	61.7	308.9	70,600 *													110
115	48.1	290.9	46,100 *	55.4	301.6	56,600 *	59.5	306.0	65,000 *													115
120	45.4	286.1	43,200 *	53.1	297.9	52,700 *	57.2	302.8	60,100 *													120
130	39.7	275.0	38,300 *	48.1	289.5	46,100 *	52.5	295.7	52,000 *	59.3	302.4	56,300 *										130
140	33.2	261.3	34,200 *	42.7	279.5	40,700 *	47.5	287.1	45,500 *	54.7	295.8	50,900 *										140
150	25.3	243.1	30,600 *	36.6	267.2	36,100 *	42.0	276.9	40,200 *	49.9	287.9	46,300 *	56.7	294.1	44,100							150
160	13.5	213.9	25,900 *	29.5	251.6	32,300 *	35.9	264.3	35,800 *	44.6	278.5	42,300 *	52.0	286.8	40,500 *							160
170				20.2	229.5	29,100 *	28.6	248.1	32,000 *	38.8	267.1	37,700 *	47.0	278.1	37,100 *							170
180							19.0	224.9	28,800 *	32.2	252.9	33,700 *	41.4	267.7	34,100 *	48.9	275.8	31,500				180
190										23.9	233.7	30,200 *	35.2	254.8	31,400 *	43.6	266.1	29,200				190
200										10.7	200.6	27,200 *	27.8	238.1	28,900 *	37.7	254.2	27,100	45.4	262.4	23,100 *	200
210													17.6	213.6	26,700 *	30.8	239.3	25,100 *	39.7	251.3	21,200 *	210
220																22.1	218.7	23,100 *	33.2	237.6	19,500 *	220
230																5.2	175.9	21,200 *	25.2	219.3	17,900 *	230
240																			13.4	190.0	16,400 *	240



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 360 Degree Rating

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 With The Intent To Be In
 The Scope of ANSI B30.5

M-250 SERIES 3**170 Ft. Boom, 160 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
55	75.6	334.7	76,500 *																			55
60	73.7	333.3	74,600 *																			60
65	71.8	331.7	72,500 *																			65
70	69.9	329.9	70,300 *																			70
75	68.0	328.0	67,800 *																			75
80	66.0	325.8	65,300 *																			80
85	64.1	323.4	62,600 *	69.9	328.6	75,800 *																85
90	62.0	320.8	59,800 *	68.0	326.7	73,300 *																90
95	60.0	318.0	57,000 *	66.0	324.5	70,800 *																95
100	57.9	314.9	54,200 *	64.0	322.1	68,400 *	67.6	324.8	75,000 *													100
105	55.7	311.6	51,500 *	62.0	319.5	65,600 *	65.6	322.6	72,400 *													105
110	53.5	308.0	48,700 *	60.0	316.7	60,500 *	63.6	320.2	69,800 *													110
115	51.2	304.1	45,500 *	57.9	313.6	56,100 *	61.6	317.5	64,500 *													115
120	48.9	299.8	42,700 *	55.7	310.3	52,200 *	59.5	314.6	59,600 *													120
130	43.9	290.1	37,800 *	51.2	302.8	45,500 *	55.2	308.1	51,500 *	61.4	314.0	56,000 *										130
140	38.4	278.5	33,600 *	46.4	293.9	40,100 *	50.7	300.5	45,000 *	57.3	307.9	50,600 *										140
150	32.1	264.1	30,100 *	41.2	283.3	35,600 *	45.9	291.4	39,600 *	52.9	300.8	45,900 *										150
160	24.5	245.2	27,100 *	35.4	270.4	31,800 *	40.6	280.6	35,200 *	48.2	292.4	41,800 *	54.8	299.4	39,900							160
170	13.1	215.0	22,800 *	28.5	254.1	28,500 *	34.7	267.4	31,500 *	43.1	282.5	37,200 *	50.2	291.6	36,600 *							170
180				19.6	231.2	25,700 *	27.7	250.6	28,300 *	37.6	270.5	33,200 *	45.4	282.4	33,500 *	52.0	288.9	30,900				180
190							18.3	226.5	25,500 *	31.1	255.6	29,700 *	40.0	271.3	30,800 *	47.3	280.2	28,600				190
200										23.1	235.7	26,700 *	34.0	257.9	28,400 *	42.1	270.0	26,500 *				200
210										10.3	201.5	24,100 *	26.9	240.5	26,200 *	36.4	257.5	24,400 *	43.9	266.5	20,400 *	210
220													17.1	215.1	24,100 *	29.8	241.9	22,500 *	38.4	254.8	18,700 *	220
230																21.3	220.6	20,700 *	32.1	240.4	17,200 *	230
240																5.0	176.3	19,000 *	24.4	221.5	15,700 *	240
250																			12.9	191.1	14,300 *	250



A.I.S.C. Certified Erector



P.C.I. Qualified Erector

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Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Luffing Jib Capacities**

**Luffing Jib No. 133 or No. 133A On
Boom No. 44 With Heavy Lift Top
248,700 Lb. Crane Counterweight
120,000 Lb. Carbody Counterweight
360 Degree Rating**

**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**

M-250 SERIES 3**170 Ft. Boom, 170 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
60	74.7	343.7	69,100 *																			60
65	72.9	342.2	67,400 *																			65
70	71.1	340.6	65,500 *																			70
75	69.4	338.7	63,600 *																			75
80	67.5	336.7	61,400 *																			80
85	65.7	334.5	59,200 *																			85
90	63.8	332.1	56,900 *	69.3	337.4	70,400 *																90
95	61.9	329.5	54,500 *	67.5	335.4	68,300 *																95
100	60.0	326.7	52,100 *	65.7	333.2	66,100 *																100
105	58.0	323.6	49,700 *	63.8	330.8	63,900 *	67.1	333.5	69,900 *													105
110	56.0	320.3	47,300 *	61.9	328.2	60,200 *	65.3	331.3	67,600 *													110
115	53.9	316.7	44,900 *	60.0	325.3	55,800 *	63.4	328.8	64,200 *													115
120	51.8	312.9	42,400 *	58.0	322.3	51,900 *	61.5	326.2	59,300 *													120
130	47.3	304.2	37,400 *	53.9	315.4	45,200 *	57.6	320.2	51,200 *													130
140	42.5	294.1	33,300 *	49.6	307.4	39,800 *	53.5	313.2	44,600 *	59.4	319.7	50,100 *										140
150	37.2	281.9	29,800 *	45.0	298.0	35,300 *	49.1	305.1	39,300 *	55.4	313.2	45,500 *										150
160	31.2	266.9	26,800 *	39.9	286.9	31,500 *	44.4	295.5	34,900 *	51.2	305.6	41,400 *	57.1	311.5	39,600 *							160
170	23.7	247.3	24,100 *	34.3	273.5	28,200 *	39.4	284.2	31,200 *	46.7	296.8	36,900 *	53.0	304.4	36,100 *							170
180	12.7	216.1	20,300 *	27.7	256.6	25,400 *	33.6	270.5	27,900 *	41.8	286.3	32,800 *	48.6	296.1	33,100 *							180
190				19.0	232.9	22,900 *	26.8	253.0	25,200 *	36.4	273.8	29,400 *	43.9	286.4	30,400 *	50.3	293.6	28,300 *				190
200							17.8	228.1	22,700 *	30.2	258.3	26,400 *	38.8	274.9	28,000 *	45.8	284.5	26,100 *				200
210										22.4	237.7	23,800 *	33.0	260.8	25,800 *	40.8	273.7	24,000 *	47.3	280.6	20,000 *	210
220										10.0	202.4	21,500 *	26.0	242.8	23,800 *	35.3	260.7	22,200 *	42.5	270.4	18,400 *	220
230													16.5	216.6	22,000 *	28.9	244.5	20,400 *	37.2	258.2	16,800 *	230
240																20.7	222.4	18,800 *	31.1	243.2	15,400 *	240
250																4.9	176.7	17,200 *	23.7	223.6	14,100 *	250
260																			12.5	192.2	12,800 *	260

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Luffing Jib No. 133 or No. 133A On
 Boom No. 44 With Heavy Lift Top
 248,700 Lb. Crane Counterweight
 120,000 Lb. Carbody Counterweight
 360 Degree Rating

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 With The Intent To Be In
 The Scope of ANSI B30.5

M-250 SERIES 3**170 Ft. Boom, 180 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
60	75.6	354.1	63,700 *																			60
65	73.9	352.7	62,400 *																			65
70	72.2	351.1	60,900 *																			70
75	70.5	349.4	59,200 *																			75
80	68.8	347.5	57,500 *																			80
85	67.1	345.4	55,700 *																			85
90	65.4	343.2	53,700 *	70.5	348.1	66,000 *																90
95	63.6	340.8	51,700 *	68.8	346.2	65,000 *																95
100	61.8	338.1	49,700 *	67.1	344.1	63,500 *																100
105	60.0	335.3	47,600 *	65.4	341.9	61,500 *																105
110	58.1	332.3	45,500 *	63.6	339.5	59,600 *	66.7	342.3	65,000 *													110
115	56.2	329.0	43,400 *	61.8	336.8	55,300 *	65.0	340.0	63,000 *													115
120	54.3	325.5	41,400 *	60.0	334.0	51,400 *	63.2	337.5	58,800 *													120
130	50.2	317.6	36,900 *	56.2	327.7	44,700 *	59.6	332.0	50,600 *													130
140	45.9	308.5	32,800 *	52.3	320.4	39,300 *	55.8	325.5	44,100 *	61.3	331.3	49,300 *										140
150	41.3	297.8	29,300 *	48.1	311.9	34,800 *	51.8	318.1	38,800 *	57.6	325.3	44,700 *										150
160	36.1	285.2	26,200 *	43.6	302.1	31,000 *	47.6	309.5	34,400 *	53.7	318.3	40,700 *										160
170	30.2	269.6	23,600 *	38.8	290.5	27,700 *	43.1	299.5	30,600 *	49.6	310.3	36,300 *	55.4	316.8	35,300 *							170
180	23.0	249.3	21,200 *	33.3	276.5	24,900 *	38.2	287.7	27,400 *	45.3	301.0	32,300 *	51.4	309.3	32,300 *							180
190	12.3	217.1	17,800 *	26.8	258.9	22,400 *	32.6	273.4	24,600 *	40.5	290.1	28,900 *	47.2	300.5	29,700 *	52.9	306.4	27,600 *				190
200				18.4	234.5	20,200 *	26.1	255.3	22,200 *	35.3	277.0	25,900 *	42.6	290.3	27,300 *	48.8	298.2	25,300 *				200
210							17.3	229.6	20,000 *	29.3	261.0	23,300 *	37.6	278.3	25,100 *	44.4	288.6	23,200 *				210
220										21.8	239.6	21,000 *	32.0	263.7	23,100 *	39.6	277.3	21,400 *	45.9	284.8	17,500 *	220
230										9.7	203.2	18,900 *	25.3	245.1	21,300 *	34.3	263.8	19,700 *	41.2	274.2	16,000 *	230
240													16.1	218.0	19,600 *	28.0	247.0	18,100 *	36.1	261.5	14,600 *	240
250																20.1	224.2	16,600 *	30.2	245.9	13,300 *	250
260																4.7	177.1	15,100 *	23.0	225.6	12,100 *	260
270																			12.2	193.2	10,900 *	270



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Manitowoc, Wisconsin 54220 U.S.A.

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Luffing Jib No. 133 or No. 133A On
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 248,700 Lb. Crane Counterweight
 120,000 Lb. Carbody Counterweight
 360 Degree Rating

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 With The Intent To Be In
 The Scope of ANSI B30.5

170 Ft. Boom, 190 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
65	74.8	363.1	57,500 *																			65
70	73.2	361.6	56,200 *																			70
75	71.6	360.0	55,000 *																			75
80	70.0	358.2	53,600 *																			80
85	68.4	356.3	52,100 *																			85
90	66.8	354.2	50,500 *																			90
95	65.1	351.9	48,900 *	70.0	356.9	59,300 *																95
100	63.4	349.5	47,100 *	68.4	355.0	57,600 *																100
105	61.7	346.8	45,400 *	66.8	352.9	55,800 *																105
110	60.0	344.0	43,600 *	65.1	350.6	54,000 *	68.0	353.1	60,100 *													110
115	58.2	340.9	41,800 *	63.4	348.1	52,000 *	66.4	351.0	59,200 *													115
120	56.4	337.7	40,000 *	61.7	345.5	50,000 *	64.7	348.7	57,200 *													120
130	52.7	330.5	36,500 *	58.2	339.6	44,900 *	61.3	343.5	51,000 *													130
140	48.8	322.2	32,600 *	54.6	332.9	39,300 *	57.8	337.5	44,300 *	62.9	342.6	48,600 *										140
150	44.6	312.6	29,100 *	50.8	325.1	34,700 *	54.2	330.7	38,800 *	59.5	337.0	44,000 *										150
160	40.1	301.5	26,000 *	46.7	316.3	30,800 *	50.3	322.8	34,300 *	55.9	330.6	40,000 *										160
170	35.1	288.3	23,300 *	42.4	306.0	27,500 *	46.3	313.8	30,500 *	52.1	323.3	36,300 *	57.4	328.9	34,600 *							170
180	29.4	272.3	20,900 *	37.7	293.9	24,600 *	41.9	303.3	27,200 *	48.2	314.8	32,200 *	53.8	321.9	31,700 *							180
190	22.4	251.3	18,800 *	32.4	279.4	22,100 *	37.1	291.0	24,400 *	44.0	305.0	28,700 *	49.9	313.9	29,000 *							190
200	11.9	218.2	15,700 *	26.1	261.3	19,900 *	31.7	276.2	21,900 *	39.4	293.7	25,600 *	45.8	304.8	26,600 *	51.4	311.3	24,600 *				200
210				17.9	236.0	17,900 *	25.3	257.5	19,700 *	34.3	280.1	23,000 *	41.4	294.1	24,500 *	47.4	302.6	22,600 *				210
220							16.8	231.0	17,700 *	28.5	263.5	20,700 *	36.6	281.6	22,500 *	43.2	292.6	20,700 *				220
230										21.2	241.5	18,600 *	31.1	266.5	20,700 *	38.5	280.8	19,000 *	44.6	289.0	15,300 *	230
240										9.5	204.0	16,800 *	24.6	247.2	19,100 *	33.3	266.8	17,500 *	40.1	277.8	13,900 *	240
250													15.6	219.3	17,500 *	27.3	249.4	16,000 *	35.1	264.7	12,700 *	250
260																19.5	225.9	14,700 *	29.4	248.6	11,500 *	260
270																4.6	177.4	13,300 *	22.3	227.6	10,400 *	270
280																			11.8	194.2	9,300 *	280



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360 Degree Rating

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M-250 SERIES 3**170 Ft. Boom, 200 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
65	75.6	373.5	53,000 *																			65
70	74.1	372.1	52,000 *																			70
75	72.6	370.5	51,000 *																			75
80	71.1	368.8	49,800 *																			80
85	69.5	367.0	48,600 *																			85
90	68.0	365.0	47,300 *																			90
95	66.4	362.9	45,900 *																			95
100	64.9	360.6	44,500 *	69.5	365.7	53,200 *																100
105	63.3	358.1	43,000 *	68.0	363.7	51,500 *																105
110	61.6	355.5	41,500 *	66.4	361.6	49,700 *																110
115	60.0	352.6	39,900 *	64.8	359.3	47,900 *	67.6	361.9	54,400 *													115
120	58.3	349.6	38,400 *	63.2	356.8	45,900 *	66.1	359.7	52,500 *													120
130	54.9	342.9	35,300 *	60.0	351.3	42,100 *	62.9	354.9	48,400 *													130
140	51.3	335.3	32,100 *	56.6	345.1	38,400 *	59.6	349.3	43,700 *													140
150	47.5	326.6	28,500 *	53.1	337.9	34,100 *	56.2	342.9	38,200 *	61.2	348.6	43,200 *										150
160	43.4	316.6	25,400 *	49.4	329.8	30,200 *	52.7	335.7	33,700 *	57.8	342.6	39,200 *										160
170	39.0	305.1	22,700 *	45.5	320.5	26,900 *	49.0	327.4	29,900 *	54.3	335.8	35,700 *										170
180	34.2	291.4	20,400 *	41.3	309.7	24,000 *	45.0	318.0	26,600 *	50.7	328.0	31,600 *	55.9	334.2	30,900 *							180
190	28.6	274.8	18,300 *	36.7	297.2	21,500 *	40.8	307.1	23,800 *	46.9	319.2	28,100 *	52.3	326.9	28,200 *							190
200	21.8	253.2	16,400 *	31.5	282.2	19,300 *	36.1	294.3	21,300 *	42.8	309.0	25,100 *	48.6	318.5	25,800 *							200
210	11.6	219.1	13,500 *	25.4	263.5	17,400 *	30.9	279.0	19,100 *	38.4	297.1	22,400 *	44.6	308.9	23,700 *	50.0	316.0	21,800 *				210
220				17.4	237.5	15,600 *	24.7	259.7	17,200 *	33.4	283.1	20,100 *	40.3	297.8	21,800 *	46.1	306.9	19,900 *				220
230							16.3	232.5	15,400 *	27.7	266.0	18,100 *	35.6	284.8	20,000 *	42.0	296.4	18,200 *	47.4	303.0	14,500 *	230
240										20.6	243.3	16,300 *	30.3	269.2	18,400 *	37.5	284.2	16,700 *	43.4	293.0	13,100 *	240
250										9.2	204.8	14,600 *	23.9	249.3	16,900 *	32.4	269.7	15,300 *	39.0	281.4	11,900 *	250
260													15.2	220.6	15,300 *	26.5	251.8	14,000 *	34.2	267.7	10,700 *	260
270																19.0	227.5	12,700 *	28.6	251.1	9,600 *	270
280																4.5	177.8	11,400 *	21.8	229.5	8,600 *	280
290																			11.5	195.2	7,600 *	290



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 The Scope of ANSI B30.5

M-250 SERIES 3**180 Ft. Boom, 70 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	65.0	253.0	133,000 *b																			45
50	60.3	250.3	126,000 *b																			50
55	55.4	247.0	119,700 *b																			55
60	50.2	243.0	113,800 *b	65.7	252.0	124,800 *b																60
65	44.5	238.3	101,300 *	61.1	249.4	117,900 *b																65
70	38.2	232.4	91,200 *	56.2	246.2	111,400 *b	65.2	250.3	124,300 *b													70
75	30.8	224.8	82,700 *	51.1	242.4	105,400 *b	60.6	247.6	117,200 *b													75
80	21.0	214.0	75,500 *	45.5	237.8	99,900 *	55.7	244.3	110,400 *b													80
85				39.3	232.1	92,800 *	50.5	240.4	103,300 *b													85
90				32.1	224.9	84,100 *	44.8	235.7	96,300 *	61.0	244.3	94,600 *b										90
95				22.9	214.8	76,700 *	38.6	229.9	90,000 *	56.2	241.1	88,500 *b										95
100				3.1	191.3	67,800 *	31.2	222.4	83,500 *	51.0	237.3	83,100 *b										100
105							21.6	211.9	76,200 *	45.4	232.7	78,200 *										105
110										39.2	227.0	73,800 *	56.3	236.3	69,600 b							110
115										32.0	219.7	69,700 *	51.2	232.5	65,900							115
120										22.8	209.6	66,000 *	45.6	227.9	62,500							120
130													32.2	215.0	56,500	50.8	226.0	52,700				130
140													4.1	182.5	51,200	38.9	215.6	47,900				140
150																22.3	197.9	43,800				150
160																			44.0	212.9	40,700	160
																			30.1	199.1	37,400	



A.I.S.C. Certified Erector



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L. R. WILLSON & SONS, INC.

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www.lrwilsonandsons.com

Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Luffing Jib Capacities**

Luffing Jib No. 133 or No. 133A On
 Boom No. 44 With Heavy Lift Top
 248,700 Lb. Crane Counterweight
 120,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

M-250 SERIES 3**180 Ft. Boom, 80 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	68.3	263.9	128,100 *b																			45
50	64.3	261.6	121,700 *b																			50
55	60.3	258.9	115,800 *b																			55
60	56.0	255.7	110,300 *	68.9	262.9	120,400 *b																60
65	51.5	251.9	101,900 *	65.0	260.7	114,100 *b																65
70	46.7	247.4	91,600 *	61.0	258.0	108,100 *b																70
75	41.5	242.1	83,100 *	56.7	254.9	102,600 *	64.6	258.9	114,000 *b													75
80	35.6	235.6	75,900 *	52.3	251.2	97,400 *	60.5	256.2	107,800 *b													80
85	28.7	227.4	69,700 *	47.5	246.9	92,500 *	56.2	253.0	102,000 *													85
90	19.6	215.7	64,300 *	42.4	241.7	84,500 *	51.8	249.3	95,600 *													90
95				36.6	235.4	77,000 *	47.0	244.8	89,400 *	60.9	253.0	87,600 *b										95
100				29.9	227.5	70,700 *	41.8	239.6	83,800 *	56.7	249.8	82,200 *										100
105				21.4	216.7	65,200 *	35.9	233.1	76,500 *	52.2	246.1	77,400 *										105
110				2.8	191.4	58,400 *	29.1	225.0	70,300 *	47.5	241.8	73,000 *										110
115							20.2	213.6	64,800 *	42.3	236.6	69,000 *	56.8	245.0	65,200							115
120										36.5	230.3	65,300 *	52.3	241.3	61,800							120
130										21.2	211.5	58,800 *	42.4	231.8	55,900							130
140													30.0	217.7	50,900	47.2	230.5	47,200				140
150													3.7	182.7	46,300	36.3	218.9	43,200				150
160																20.7	199.7	39,600				160
170																			41.0	216.7	36,700 *	170
																			28.0	201.6	33,600 *	170



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Luffing Jib No. 133 or No. 133A On
 Boom No. 44 With Heavy Lift Top
 248,700 Lb. Crane Counterweight
 120,000 Lb. Carbody Counterweight
 360 Degree Rating

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 With The Intent To Be In
 The Scope of ANSI B30.5

M-250 SERIES 3**180 Ft. Boom, 90 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	70.8	274.7	123,500 *b																			45
50	67.4	272.7	117,500 *b																			50
55	63.9	270.3	112,000 *b																			55
60	60.2	267.6	106,900 *																			60
65	56.5	264.4	102,100 *	68.0	271.7	110,300 *b																65
70	52.5	260.7	91,900 *	64.5	269.4	104,900 *b																70
75	48.3	256.5	83,300 *	60.9	266.7	99,700 *	67.6	269.9	110,800 *b													75
80	43.8	251.5	76,100 *	57.1	263.6	94,900 *	64.1	267.6	105,100 *b													80
85	38.9	245.7	69,900 *	53.2	260.0	90,400 *	60.4	264.9	99,800 *													85
90	33.4	238.6	64,500 *	49.0	255.9	84,700 *	56.7	261.7	94,700 *													90
95	27.0	229.7	59,800 *	44.6	251.0	77,300 *	52.7	258.1	88,800 *													95
100	18.4	217.3	55,600 *	39.8	245.4	70,900 *	48.6	253.9	83,300 *	60.8	261.6	81,500 *										100
105				34.4	238.6	65,400 *	44.1	248.9	76,700 *	57.0	258.5	76,700 *										105
110				28.1	230.1	60,500 *	39.2	243.2	70,400 *	53.1	254.9	72,400 *										110
115				20.1	218.4	56,300 *	33.8	236.2	65,000 *	49.0	250.8	68,400 *										115
120				2.6	191.5	50,800 *	27.3	227.4	60,200 *	44.6	245.9	64,800 *	57.1	253.7	61,300							120
130										34.3	233.4	58,400 *	49.1	246.0	55,500							130
140										19.9	213.2	52,900 *	39.9	235.5	50,500	52.9	243.7	46,700				140
150													28.2	220.2	46,200	44.3	234.6	42,800				150
160													3.5	182.9	42,200	34.1	222.0	39,300	48.0	231.2	36,000 *	160
170																19.5	201.4	36,200	38.5	220.2	33,000 *	170
180																26.4	204.0	30,300 *	26.4	204.0	30,300 *	180



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 120,000 Lb. Carbody Counterweight
 360 Degree Rating

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 With The Intent To Be In
 The Scope of ANSI B30.5

M-250 SERIES 3**180 Ft. Boom, 100 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	72.8	285.2	118,600 *b																			45
50	69.8	283.5	113,200 *b																			50
55	66.7	281.4	108,100 *b																			55
60	63.5	279.0	103,300 *																			60
65	60.2	276.2	98,900 *	70.3	282.4	106,300 *b																65
70	56.8	273.1	91,900 *	67.2	280.4	101,300 *b																70
75	53.3	269.5	83,300 *	64.0	278.1	96,600 *																75
80	49.6	265.4	76,000 *	60.8	275.4	92,200 *	66.8	278.7	102,000 *b													80
85	45.7	260.7	69,700 *	57.4	272.3	87,900 *	63.7	276.3	97,100 *													85
90	41.5	255.3	64,300 *	53.9	268.8	84,000 *	60.4	273.6	92,400 *													90
95	36.8	249.0	59,600 *	50.2	264.8	77,200 *	57.0	270.4	88,000 *													95
100	31.6	241.5	55,400 *	46.3	260.2	70,800 *	53.5	266.9	82,500 *													100
105	25.5	232.0	51,700 *	42.2	254.9	65,200 *	49.8	262.8	77,100 *	60.7	270.3	75,800 *										105
110	17.4	218.8	48,400 *	37.6	248.8	60,400 *	45.9	258.1	70,700 *	57.3	267.2	71,500 *										110
115				32.6	241.5	56,100 *	41.7	252.8	65,200 *	53.8	263.7	67,500 *										115
120				26.6	232.4	52,300 *	37.1	246.5	60,400 *	50.2	259.7	64,000 *										120
130				2.4	191.6	44,600 *	25.9	229.7	52,300 *	42.1	249.8	57,700 *	53.9	258.9	54,800							130
140										32.5	236.3	52,300 *	46.4	250.3	49,800							140
150										18.9	214.8	47,600 *	37.7	238.9	45,600	50.0	248.4	42,100				150
160													26.7	222.6	41,900	41.9	238.5	38,600				160
170													3.2	183.2	38,300 *	32.2	224.9	35,600	45.3	235.4	32,000 *	170
180																18.4	203.0	32,800	36.4	223.5	29,400 *	180
190																			24.9	206.2	27,000 *	190



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 120,000 Lb. Carbody Counterweight
 360 Degree Rating

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M-250 SERIES 3**180 Ft. Boom, 110 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	74.4	295.7	113,000 *b																			45
50	71.7	294.1	108,100 *b																			50
55	68.9	292.3	103,500 *																			55
60	66.1	290.1	99,200 *																			60
65	63.2	287.7	95,000 *																			65
70	60.2	284.9	89,900 *	69.4	291.2	98,500 *b																70
75	57.1	281.8	84,400 *	66.5	289.1	94,100 *																75
80	53.9	278.3	78,200 *	63.7	286.7	90,000 *																80
85	50.6	274.3	71,700 *	60.7	284.0	86,000 *	66.2	287.4	94,500 *													85
90	47.1	269.8	66,100 *	57.6	281.0	82,300 *	63.3	285.0	90,100 *													90
95	43.4	264.7	61,200 *	54.5	277.5	78,700 *	60.4	282.2	86,000 *													95
100	39.4	258.9	56,900 *	51.2	273.6	72,800 *	57.3	279.1	81,800 *													100
105	35.0	252.2	53,100 *	47.7	269.2	67,000 *	54.1	275.6	76,900 *													105
110	30.1	244.2	49,700 *	44.0	264.3	62,100 *	50.8	271.7	72,200 *	60.6	278.9	70,700 *										110
115	24.3	234.1	46,600 *	40.1	258.6	57,700 *	47.3	267.2	66,600 *	57.6	275.9	66,800 *										115
120	16.6	220.2	43,800 *	35.8	252.0	53,800 *	43.6	262.2	61,600 *	54.4	272.4	63,200 *										120
130				25.3	234.7	47,100 *	35.3	249.7	53,500 *	47.7	264.1	57,000 *	57.7	271.1	54,200							130
140				2.2	191.8	38,100 *	24.6	231.9	46,900 *	40.0	253.5	51,700 *	51.2	263.7	49,300							140
150										30.9	239.1	47,000 *	44.1	254.4	45,100							150
160										18.0	216.4	42,900 *	35.9	242.2	41,400 *	47.5	252.8	38,100				160
170													25.4	224.8	37,900 *	39.9	242.1	35,100				170
180													3.0	183.3	34,600 *	30.7	227.6	32,400	43.1	239.4	28,700 *	180
190																17.6	204.6	30,000	34.7	226.7	26,400 *	190
200																			23.7	208.3	24,200 *	200



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M-250 SERIES 3**180 Ft. Boom, 120 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	75.7	306.1	106,000 *b																			45
50	73.3	304.6	102,700 *b																			50
55	70.7	303.0	98,900 *																			55
60	68.2	301.0	94,700 *																			60
65	65.6	298.8	90,200 *																			65
70	62.9	296.3	85,500 *																			70
75	60.2	293.6	80,800 *	68.6	300.0	90,800 *																75
80	57.4	290.5	76,100 *	66.0	297.8	87,000 *																80
85	54.5	287.0	71,300 *	63.4	295.4	83,400 *																85
90	51.4	283.1	65,700 *	60.6	292.7	79,900 *	65.7	296.1	88,200 *													90
95	48.3	278.8	60,800 *	57.8	289.6	76,600 *	63.0	293.6	84,400 *													95
100	45.0	274.0	56,500 *	55.0	286.2	72,400 *	60.3	290.9	80,700 *													100
105	41.4	268.6	52,700 *	52.0	282.4	66,700 *	57.5	287.8	76,700 *													105
110	37.6	262.4	49,300 *	48.8	278.2	61,700 *	54.6	284.3	71,800 *													110
115	33.5	255.2	46,200 *	45.5	273.5	57,300 *	51.6	280.5	66,200 *	60.6	287.6	66,300 *										115
120	28.8	246.7	43,400 *	42.1	268.2	53,400 *	48.5	276.2	61,200 *	57.8	284.6	62,800 *										120
130	15.8	221.6	38,500 *	34.2	255.1	46,700 *	41.6	266.0	53,000 *	51.9	277.3	56,500 *										130
140				24.2	236.8	41,300 *	33.7	252.8	46,500 *	45.5	268.4	51,100 *	55.0	276.3	48,700							140
150				2.1	191.9	33,700 *	23.5	234.0	41,100 *	38.2	257.0	46,500 *	48.9	268.3	44,500							150
160										29.5	241.7	42,500 *	42.1	258.3	40,700 *	51.8	266.1	37,400				160
170										17.2	217.9	38,900 *	34.3	245.3	37,300 *	45.3	257.1	34,400				170
180													24.3	227.0	34,300 *	38.1	245.6	31,800	48.0	253.5	27,900 *	180
190													2.9	183.5	31,300 *	29.3	230.2	29,400	41.1	243.1	25,600 *	190
200																16.8	206.0	27,300 *	33.1	229.6	23,500 *	200
210																			22.7	210.2	21,600 *	210



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 The Scope of ANSI B30.5

M-250 SERIES 3**180 Ft. Boom, 130 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	74.6	315.1	95,100 *																			50
55	72.3	313.5	92,100 *																			55
60	69.9	311.8	88,700 *																			60
65	67.6	309.8	85,000 *																			65
70	65.1	307.5	81,100 *																			70
75	62.7	305.0	77,100 *	70.3	310.7	87,600 *																75
80	60.2	302.2	73,000 *	68.0	308.8	84,200 *																80
85	57.6	299.1	68,900 *	65.6	306.5	80,800 *																85
90	54.9	295.7	64,900 *	63.1	304.1	77,700 *	67.7	307.0	85,600 *													90
95	52.1	291.9	60,700 *	60.6	301.3	74,600 *	65.3	304.8	82,100 *													95
100	49.3	287.8	56,400 *	58.0	298.3	71,600 *	62.8	302.3	78,700 *													100
105	46.3	283.1	52,600 *	55.4	294.9	66,600 *	60.3	299.5	75,400 *													105
110	43.1	278.0	49,100 *	52.6	291.2	61,500 *	57.7	296.5	71,700 *													110
115	39.7	272.2	46,100 *	49.8	287.1	57,100 *	55.0	293.1	66,100 *													115
120	36.1	265.6	43,300 *	46.8	282.6	53,200 *	52.3	289.3	61,100 *	60.5	296.3	62,400 *										120
130	27.6	249.2	38,400 *	40.3	271.9	46,600 *	46.4	280.6	52,900 *	55.3	289.9	56,100 *										130
140	15.2	222.9	34,300 *	32.8	258.1	41,200 *	39.9	269.7	46,300 *	49.7	282.0	50,800 *	58.0	288.4	48,400							140
150				23.2	238.8	36,700 *	32.3	255.7	41,000 *	43.6	272.4	46,200 *	52.6	281.4	44,200 *							150
160				2.0	192.0	30,100 *	22.6	236.0	36,500 *	36.7	260.3	42,300 *	46.8	272.7	40,400 *							160
170										28.3	244.3	38,700 *	40.3	262.0	37,000 *	49.6	270.8	34,200				170
180										16.5	219.3	34,800 *	32.8	248.2	34,100 *	43.4	261.1	31,600				180
190													23.3	229.0	31,300 *	36.5	248.9	29,200	46.0	257.8	25,200 *	190
200													2.7	183.7	28,700 *	28.1	232.7	27,100 *	39.4	246.8	23,200 *	200
210																16.1	207.4	25,000 *	31.8	232.5	21,300 *	210
220																			21.8	212.2	19,600 *	220



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Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Luffing Jib Capacities**

Luffing Jib No. 133 or No. 133A On
 Boom No. 44 With Heavy Lift Top
 248,700 Lb. Crane Counterweight
 120,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

M-250 SERIES 3**180 Ft. Boom, 140 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	75.7	325.4	87,700 *b																			50
55	73.6	324.0	85,300 *																			55
60	71.4	322.4	82,600 *																			60
65	69.3	320.6	79,600 *																			65
70	67.0	318.5	76,400 *																			70
75	64.8	316.2	73,100 *																			75
80	62.5	313.7	69,600 *	69.6	319.5	81,600 *																80
85	60.1	310.9	66,100 *	67.4	317.5	78,600 *																85
90	57.7	307.8	62,600 *	65.2	315.2	75,700 *																90
95	55.3	304.4	59,100 *	62.9	312.8	72,800 *	67.2	315.8	79,400 *													95
100	52.7	300.7	55,700 *	60.5	310.0	70,000 *	64.9	313.5	76,300 *													100
105	50.1	296.7	52,400 *	58.2	307.0	66,800 *	62.6	311.0	73,300 *													105
110	47.3	292.2	49,100 *	55.7	303.7	61,700 *	60.3	308.2	70,400 *													110
115	44.5	287.3	45,900 *	53.2	300.0	57,200 *	57.9	305.1	66,300 *													115
120	41.4	281.8	43,100 *	50.5	296.0	53,200 *	55.4	301.8	61,200 *	62.8	307.7	61,500 *										120
130	34.7	268.8	38,200 *	45.0	286.8	46,500 *	50.2	294.0	52,900 *	58.1	301.9	55,300 *										130
140	26.6	251.5	34,000 *	38.8	275.4	41,000 *	44.6	284.7	46,200 *	53.1	294.9	50,000 *										140
150	14.6	224.1	30,300 *	31.6	260.9	36,400 *	38.4	273.2	40,800 *	47.8	286.5	45,500 *	55.7	293.8	43,400 *							150
160				22.4	240.8	32,600 *	31.1	258.5	36,300 *	41.9	276.3	41,500 *	50.6	286.1	39,600 *							160
170				1.9	192.1	26,800 *	21.7	237.9	32,400 *	35.3	263.5	38,100 *	45.0	276.9	36,200 *	53.0	283.7	33,500				170
180										27.3	246.7	34,500 *	38.8	265.5	33,300 *	47.6	275.2	30,900				180
190										15.8	220.6	30,900 *	31.6	251.1	30,600 *	41.8	264.9	28,600 *				190
200													22.4	231.0	28,200 *	35.1	252.1	26,400 *	44.2	261.9	22,300 *	200
210													2.6	183.9	25,800 *	27.1	235.1	24,300 *	37.9	250.2	20,500 *	210
220																15.5	208.7	22,400 *	30.6	235.2	18,800 *	220
230																20.9	214.0	17,200 *	20.9	214.0	17,200 *	230



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 248,700 Lb. Crane Counterweight
 120,000 Lb. Carbody Counterweight
 360 Degree Rating

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M-250 SERIES 3**180 Ft. Boom, 150 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
55	74.7	334.4	79,000 *																			55
60	72.7	332.9	76,900 *																			60
65	70.7	331.2	74,400 *																			65
70	68.7	329.3	71,800 *																			70
75	66.6	327.2	69,000 *																			75
80	64.5	324.9	66,100 *	71.0	330.2	78,600 *																80
85	62.3	322.3	63,100 *	69.0	328.3	75,800 *																85
90	60.1	319.5	60,000 *	66.9	326.2	73,100 *																90
95	57.9	316.5	57,000 *	64.8	323.9	70,500 *																95
100	55.6	313.1	54,000 *	62.7	321.4	68,000 *	66.7	324.5	74,000 *													100
105	53.2	309.5	51,100 *	60.5	318.7	65,500 *	64.6	322.2	71,200 *													105
110	50.8	305.5	48,200 *	58.3	315.6	62,200 *	62.4	319.6	68,600 *													110
115	48.3	301.2	45,400 *	56.0	312.4	57,700 *	60.3	316.9	65,900 *													115
120	45.6	296.4	42,800 *	53.6	308.8	53,600 *	58.0	313.8	61,700 *													120
130	40.0	285.4	38,000 *	48.7	300.6	46,800 *	53.4	306.9	53,300 *	60.5	313.6	54,600 *										130
140	33.5	271.8	33,700 *	43.3	290.8	41,300 *	48.4	298.6	46,500 *	56.0	307.3	49,300 *										140
150	25.6	253.8	30,000 *	37.4	278.8	36,700 *	43.0	288.7	41,000 *	51.2	299.8	44,800 *										150
160	14.1	225.3	26,300 *	30.4	263.6	32,800 *	37.0	276.5	36,500 *	46.0	290.8	40,900 *	53.7	298.9	38,800 *							160
170				21.6	242.7	29,400 *	30.0	261.2	32,600 *	40.4	280.0	37,400 *	48.7	290.7	35,500 *							170
180				1.8	192.2	22,900 *	21.0	239.7	29,300 *	34.0	266.6	34,300 *	43.4	280.9	32,600 *	51.1	288.5	30,400 *				180
190										26.3	249.0	31,100 *	37.4	268.9	30,000 *	45.9	279.5	27,900 *				190
200										15.3	222.0	28,000 *	30.5	253.8	27,600 *	40.3	268.6	25,700 *				200
210													21.6	232.9	25,400 *	33.9	255.1	23,600 *	42.6	265.8	19,800 *	210
220													2.5	184.1	23,300 *	26.1	237.5	21,800 *	36.6	253.5	18,100 *	220
230																14.9	210.0	20,000 *	29.5	237.9	16,600 *	230
240																			20.2	215.8	15,200 *	240



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M-250 SERIES 3**180 Ft. Boom, 160 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
55	75.7	344.8	73,000 *																			55
60	73.8	343.4	71,300 *																			60
65	71.9	341.8	69,300 *																			65
70	70.0	340.1	67,200 *																			70
75	68.1	338.1	64,900 *																			75
80	66.2	335.9	62,400 *																			80
85	64.2	333.6	59,900 *	70.4	339.0	72,800 *																85
90	62.2	331.0	57,300 *	68.5	337.1	70,400 *																90
95	60.1	328.2	54,700 *	66.5	335.0	67,900 *																95
100	58.0	325.1	52,000 *	64.5	332.6	65,600 *																100
105	55.9	321.8	49,400 *	62.5	330.1	63,400 *	66.3	333.2	69,500 *													105
110	53.7	318.2	46,900 *	60.5	327.3	61,200 *	64.3	330.9	67,100 *													110
115	51.4	314.4	44,400 *	58.4	324.3	57,100 *	62.3	328.3	64,700 *													115
120	49.1	310.1	42,000 *	56.2	321.1	53,100 *	60.2	325.5	61,200 *													120
130	44.1	300.5	37,400 *	51.8	313.7	46,300 *	56.0	319.2	52,700 *	62.5	325.0	54,200 *										130
140	38.6	289.0	33,400 *	47.0	305.0	40,700 *	51.5	311.7	46,000 *	58.4	319.2	48,900 *										140
150	32.4	274.7	29,800 *	41.9	294.6	36,100 *	46.8	302.9	40,500 *	54.0	312.4	44,300 *										150
160	24.8	256.0	26,700 *	36.1	282.1	32,200 *	41.6	292.5	35,900 *	49.4	304.4	40,400 *	56.3	311.2	38,200 *							160
170	13.6	226.5	23,200 *	29.4	266.3	28,900 *	35.8	279.8	32,100 *	44.5	294.9	36,900 *	51.8	303.8	34,900 *							170
180				20.9	244.5	26,000 *	29.0	263.7	28,800 *	39.1	283.5	33,800 *	47.1	295.1	32,000 *							180
190				1.7	192.3	20,300 *	20.3	241.5	25,900 *	32.9	269.5	30,600 *	41.9	284.7	29,400 *	49.3	293.1	27,200 *				190
200										25.4	251.3	27,500 *	36.2	272.2	27,000 *	44.4	283.6	25,000 *				200
210										14.8	223.2	24,800 *	29.5	256.4	24,900 *	38.9	272.2	23,000 *	46.4	280.2	19,000 *	210
220													20.9	234.7	22,900 *	32.7	258.1	21,100 *	41.2	269.6	17,300 *	220
230													2.4	184.2	20,900 *	25.2	239.7	19,400 *	35.4	256.7	15,900 *	230
240																14.4	211.3	17,800 *	28.5	240.4	14,500 *	240
250																			19.5	217.5	13,200 *	250



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120,000 Lb. Carbody Counterweight
360 Degree Rating**

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The Scope of ANSI B30.5**

M-250 SERIES 3**180 Ft. Boom, 170 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
60	74.8	353.8	66,100 *																			60
65	73.0	352.3	64,500 *																			65
70	71.3	350.7	62,700 *																			70
75	69.5	348.9	60,900 *																			75
80	67.7	346.8	58,900 *																			80
85	65.8	344.7	56,700 *																			85
90	64.0	342.3	54,500 *	69.8	347.8	67,600 *																90
95	62.1	339.7	52,300 *	68.0	345.8	65,600 *																95
100	60.1	336.9	50,000 *	66.1	343.7	63,400 *																100
105	58.1	333.8	47,700 *	64.3	341.3	61,400 *	67.8	344.1	67,000 *													105
110	56.1	330.5	45,400 *	62.4	338.8	59,400 *																110
115	54.1	327.0	43,200 *	60.4	336.0	56,800 *	64.1	339.6	62,700 *													115
120	51.9	323.2	41,000 *	58.5	333.0	52,800 *	62.2	337.0	60,500 *													120
130	47.5	314.6	36,800 *	54.4	326.2	46,000 *	58.3	331.1	52,400 *													130
140	42.7	304.4	33,000 *	50.1	318.4	40,400 *	54.2	324.3	45,700 *	60.4	330.9	48,500 *										140
150	37.4	292.4	29,600 *	45.6	309.2	35,800 *	49.9	316.4	40,200 *	56.4	324.7	43,900 *										150
160	31.4	277.5	26,500 *	40.6	298.3	31,900 *	45.3	307.1	35,600 *	52.3	317.4	40,000 *										160
170	24.0	258.1	23,900 *	35.0	285.2	28,600 *	40.3	296.2	31,800 *	47.8	308.9	36,500 *	54.4	316.4	34,500 *							170
180	13.2	227.6	20,600 *	28.5	268.8	25,700 *	34.7	282.9	28,500 *	43.1	298.9	33,500 *	50.2	308.5	31,600 *							180
190				20.2	246.3	23,200 *	28.1	266.2	25,600 *	37.8	287.0	30,200 *	45.6	299.3	29,000 *	52.2	306.1	26,800 *				190
200				1.7	192.4	18,000 *	19.6	243.2	23,100 *	31.9	272.4	27,200 *	40.6	288.5	26,600 *	47.7	297.6	24,600 *				200
210										24.7	253.4	24,500 *	35.0	275.4	24,500 *	43.0	287.5	22,600 *				210
220										14.3	224.5	22,100 *	28.6	259.0	22,600 *	37.7	275.6	20,800 *	45.0	284.4	17,000 *	220
230													20.3	236.5	20,800 *	31.7	260.9	19,100 *	39.9	273.3	15,500 *	230
240													2.3	184.4	19,000 *	24.5	241.8	17,500 *	34.3	259.8	14,100 *	240
250																14.0	212.5	16,100 *	27.6	242.9	12,900 *	250
260																			18.9	219.1	11,700 *	260



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 360 Degree Rating

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 The Scope of ANSI B30.5

M-250 SERIES 3**180 Ft. Boom, 180 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
60	75.7	364.2	61,100 *																			60
65	74.0	362.8	59,800 *																			65
70	72.4	361.2	58,300 *																			70
75	70.7	359.5	56,800 *																			75
80	69.0	357.6	55,100 *																			80
85	67.2	355.6	53,400 *																			85
90	65.5	353.4	51,600 *	71.0	358.5	63,100 *																90
95	63.7	350.9	49,700 *	69.3	356.6	62,500 *																95
100	61.9	348.3	47,700 *	67.5	354.6	60,900 *																100
105	60.1	345.5	45,700 *	65.8	352.4	59,100 *																105
110	58.3	342.5	43,700 *	64.0	350.0	57,200 *	67.3	352.9	62,300 *													110
115	56.4	339.2	41,700 *	62.2	347.4	55,400 *	65.6	350.6	60,400 *													115
120	54.4	335.7	39,800 *	60.4	344.6	52,300 *	63.8	348.2	58,500 *													120
130	50.4	327.9	36,000 *	56.7	338.4	45,400 *	60.2	342.8	51,900 *													130
140	46.1	318.8	32,500 *	52.8	331.2	39,900 *	56.5	336.6	45,100 *	62.2	342.3	47,600 *										140
150	41.4	308.2	29,200 *	48.6	322.9	35,300 *	52.5	329.3	39,600 *	58.5	336.6	43,100 *										150
160	36.3	295.7	26,300 *	44.2	313.3	31,400 *	48.4	320.9	35,100 *	54.7	329.9	39,200 *										160
170	30.5	280.2	23,700 *	39.4	301.9	28,100 *	43.9	311.2	31,200 *	50.7	322.1	35,800 *	56.7	328.5	33,700 *							170
180	23.3	260.2	21,300 *	34.0	288.3	25,200 *	39.1	299.7	27,900 *	46.4	313.2	32,700 *	52.8	321.4	30,800 *							180
190	12.8	228.7	18,100 *	27.7	271.3	22,700 *	33.7	285.9	25,100 *	41.8	302.7	29,700 *	48.6	313.1	28,200 *							190
200				19.6	248.0	20,500 *	27.3	268.7	22,600 *	36.7	290.3	26,600 *	44.2	303.4	25,900 *	50.6	310.9	23,700 *				200
210				1.6	192.5	15,800 *	19.1	244.9	20,400 *	30.9	275.2	23,900 *	39.4	292.1	23,800 *	46.3	301.9	21,700 *				210
220										23.9	255.6	21,600 *	34.0	278.4	21,900 *	41.7	291.4	20,000 *				220
230										13.9	225.7	19,500 *	27.7	261.4	20,100 *	36.6	278.9	18,300 *	43.6	288.4	14,600 *	230
240													19.7	238.2	18,500 *	30.8	263.7	16,800 *	38.7	276.8	13,300 *	240
250													2.2	184.5	16,800 *	23.8	243.9	15,400 *	33.3	262.8	12,100 *	250
260																13.6	213.6	14,000 *	26.8	245.2	10,900 *	260
270																			18.4	220.7	9,800 *	270



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P.C.I. Qualified Erector

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Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Luffing Jib Capacities**

**Luffing Jib No. 133 or No. 133A On
Boom No. 44 With Heavy Lift Top
248,700 Lb. Crane Counterweight
120,000 Lb. Carbody Counterweight
360 Degree Rating**

**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**

M-250 SERIES 3**180 Ft. Boom, 190 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
65	74.9	373.2	55,200 *																			65
70	73.3	371.7	54,000 *																			70
75	71.7	370.1	52,800 *																			75
80	70.1	368.3	51,500 *																			80
85	68.5	366.4	50,000 *																			85
90	66.9	364.3	48,500 *																			90
95	65.2	362.1	46,900 *	70.4	367.3	57,400 *																95
100	63.5	359.6	45,300 *	68.8	365.4	56,900 *																100
105	61.8	357.0	43,600 *	67.2	363.3	55,700 *																105
110	60.1	354.2	41,900 *	65.5	361.1	54,000 *																110
115	58.3	351.2	40,200 *	63.8	358.7	52,200 *	67.0	361.6	57,400 *													115
120	56.6	347.9	38,500 *	62.1	356.1	50,300 *	65.3	359.3	56,500 *													120
130	52.8	340.7	35,100 *	58.6	350.3	45,600 *	61.9	354.3	52,300 *													130
140	48.9	332.5	31,900 *	55.0	343.7	39,900 *	58.4	348.5	45,300 *													140
150	44.8	323.0	28,900 *	51.2	336.1	35,200 *	54.8	341.8	39,700 *	60.4	348.2	42,400 *										150
160	40.3	311.9	26,100 *	47.2	327.3	31,200 *	51.0	334.1	35,000 *	56.8	342.0	38,500 *										160
170	35.3	298.8	23,400 *	42.9	317.2	27,900 *	47.0	325.3	31,100 *	53.1	334.9	35,100 *										170
180	29.6	282.9	21,000 *	38.3	305.4	24,900 *	42.7	315.1	27,700 *	49.2	326.8	32,100 *	55.0	333.8	30,100 *							180
190	22.7	262.2	18,900 *	33.0	291.3	22,400 *	38.0	303.2	24,800 *	45.1	317.4	29,400 *	51.3	326.2	27,500 *							190
200	12.5	229.8	15,900 *	26.9	273.7	20,100 *	32.7	288.9	22,300 *	40.6	306.4	26,400 *	47.3	317.5	25,200 *							200
210				19.1	249.7	18,100 *	26.6	271.0	20,000 *	35.7	293.5	23,700 *	43.0	307.4	23,100 *	49.1	315.5	21,100 *				210
220				1.5	192.6	13,800 *	18.6	246.5	18,100 *	30.1	277.8	21,300 *	38.3	295.5	21,300 *	45.0	306.0	19,300 *				220
230										23.3	257.6	19,100 *	33.1	281.4	19,500 *	40.5	295.1	17,700 *	46.7	302.6	13,900 *	230
240										13.5	226.8	17,200 *	27.0	263.8	17,900 *	35.6	282.1	16,200 *	42.4	292.3	12,600 *	240
250													19.1	239.9	16,400 *	30.0	266.4	14,800 *	37.7	280.2	11,400 *	250
260													2.2	184.7	14,900 *	23.1	246.0	13,500 *	32.3	265.7	10,300 *	260
270																13.2	214.8	12,200 *	26.1	247.5	9,200 *	270
280																			17.9	222.3	8,200 *	280

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 248,700 Lb. Crane Counterweight
 120,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
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 The Scope of ANSI B30.5

M-250 SERIES 3**180 Ft. Boom, 200 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
65	75.7	383.5	51,000 *																			65
70	74.2	382.2	50,000 *																			70
75	72.7	380.6	49,000 *																			75
80	71.2	379.0	47,900 *																			80
85	69.6	377.1	46,700 *																			85
90	68.1	375.2	45,500 *																			90
95	66.5	373.0	44,200 *																			95
100	65.0	370.8	42,800 *	69.9	376.1	52,300 *																100
105	63.4	368.3	41,400 *	68.4	374.2	51,400 *																105
110	61.7	365.7	39,900 *	66.8	372.1	49,800 *																110
115	60.1	362.8	38,400 *	65.2	369.8	48,100 *																115
120	58.4	359.8	36,900 *	63.6	367.4	46,300 *	66.6	370.3	51,300 *													120
130	55.0	353.2	34,000 *	60.4	362.0	42,500 *	63.5	365.6	47,300 *													130
140	51.4	345.6	31,000 *	57.0	355.8	38,800 *	60.2	360.2	43,300 *													140
150	47.6	336.9	28,300 *	53.5	348.8	34,600 *	56.8	353.9	39,100 *	62.0	359.7	42,300 *										150
160	43.6	327.0	25,500 *	49.8	340.8	30,700 *	53.3	346.9	34,400 *	58.7	353.9	38,300 *										160
170	39.2	315.5	22,800 *	46.0	331.6	27,300 *	49.6	338.8	30,500 *	55.3	347.3	34,800 *										170
180	34.4	301.9	20,500 *	41.8	321.1	24,400 *	45.7	329.6	27,200 *	51.7	339.8	31,700 *	57.0	345.9	29,600 *							180
190	28.8	285.5	18,400 *	37.3	308.8	21,800 *	41.5	318.9	24,300 *	47.9	331.2	29,000 *	53.5	338.9	27,000 *							190
200	22.1	264.1	16,500 *	32.2	294.2	19,600 *	37.0	306.5	21,700 *	43.9	321.4	25,800 *	49.9	330.9	24,700 *							200
210	12.1	230.9	13,800 *	26.2	276.0	17,600 *	31.9	291.7	19,500 *	39.5	310.0	23,100 *	46.0	321.7	22,600 *	51.6	328.5	20,400 *				210
220				18.6	251.3	15,800 *	25.9	273.3	17,500 *	34.8	296.7	20,700 *	41.8	311.2	20,700 *	47.8	319.9	18,600 *				220
230				1.5	192.6	11,900 *	18.1	248.1	15,700 *	29.3	280.5	18,600 *	37.3	298.9	19,000 *	43.8	310.1	17,000 *				230
240										22.7	259.6	16,700 *	32.2	284.3	17,400 *	39.4	298.7	15,500 *	45.5	306.8	11,900 *	240
250										13.2	228.0	15,000 *	26.3	266.2	15,900 *	34.6	285.3	14,100 *	41.2	296.1	10,700 *	250
260													18.6	241.5	14,500 *	29.2	269.0	12,900 *	36.7	283.5	9,500 *	260
270													2.1	184.8	13,100 *	22.5	248.0	11,700 *	31.5	268.5	8,500 *	270
280																12.9	215.9	10,500 *	25.4	249.8	7,500 *	280
290																			17.4	223.8	6,600 *	290

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 Boom No. 44 With Heavy Lift Top
 248,700 Lb. Crane Counterweight
 120,000 Lb. Carbody Counterweight
 360 Degree Rating

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 The Scope of ANSI B30.5

M-250 SERIES 3**190 Ft. Boom, 70 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	65.3	263.1	120,100 *b																			45
50	60.6	260.5	113,900 *b																			50
55	55.8	257.2	108,100 *b																			55
60	50.6	253.3	102,900 *b																			60
65	44.9	248.6	98,200 *	62.2	260.0	111,700 *b																65
70	38.7	242.8	91,800 *	57.5	257.0	106,000 *b																70
75	31.3	235.4	83,300 *	52.4	253.3	100,500 *b	62.2	258.4	112,500 *b													75
80	21.8	224.9	76,000 *	46.9	248.9	95,500 *	57.4	255.4	106,200 *b													80
85				40.9	243.5	90,800 *	52.3	251.7	100,400 *b													85
90				34.0	236.7	86,100 *	46.9	247.3	94,500 *													90
95				25.5	227.6	78,400 *	40.8	241.9	88,300 *	58.7	252.5	86,300 *b										95
100				12.0	211.9	71,800 *	33.9	235.1	82,800 *	53.7	249.0	81,000 *b										100
105							25.4	225.9	77,800 *	48.4	244.8	76,200 *										105
110							11.7	210.1	72,000 *	42.5	239.7	71,900 *										110
115										35.9	233.4	67,900 *	54.7	244.6	64,500 b							115
120										27.9	225.0	64,300 *	49.4	240.5	61,200							120
130													37.3	229.6	55,300							130
140													19.3	210.1	50,300	44.2	229.6	46,600				140
150																30.4	216.0	42,600				150
160																			37.6	215.6	35,900 *	160
170																			20.0	196.6	32,800 *	170



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Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	68.5	274.1	116,000 *b																			45
50	64.6	271.8	110,200 *b																			50
55	60.5	269.1	104,800 *b																			55
60	56.3	265.9	99,800 *b																			60
65	51.8	262.2	95,300 *	66.0	271.2	108,000 *b																65
70	47.0	257.8	91,000 *	62.0	268.7	102,700 *b																70
75	41.8	252.5	83,600 *	57.8	265.7	97,700 *b	65.9	269.6	109,200 *b													75
80	36.0	246.1	76,300 *	53.4	262.1	93,000 *	61.9	267.1	103,400 *b													80
85	29.2	238.0	70,100 *	48.7	257.9	88,600 *	57.7	264.1	98,000 *b													85
90	20.3	226.7	64,700 *	43.7	253.0	84,400 *	53.3	260.5	92,900 *													90
95				38.1	247.0	78,700 *	48.7	256.3	87,600 *	63.0	264.1	85,300 *b										95
100				31.7	239.6	72,200 *	43.6	251.4	82,200 *	58.9	261.2	80,000 *b										100
105				23.7	229.7	66,500 *	38.0	245.4	77,300 *	54.5	257.8	75,300 *										105
110				11.1	212.8	61,500 *	31.6	237.9	72,800 *	50.0	253.8	71,000 *										110
115							23.6	228.0	67,000 *	45.0	249.0	67,100 *										115
120							10.9	210.9	62,000 *	39.6	243.4	63,600 *	55.4	253.3	60,500							120
130										26.0	227.3	57,300 *	46.0	244.9	54,700							130
140													34.7	232.7	49,800	51.3	243.3	45,900				140
150													18.0	211.7	45,500 *	41.2	233.4	41,900				150
160																28.3	218.5	38,500	46.3	230.8	34,900 *	160
170																			35.1	218.7	32,000 *	170
180																			18.6	198.2	29,300 *	180



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M-250 SERIES 3**190 Ft. Boom, 90 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	71.0	284.8	110,700 *b																			45
50	67.6	282.8	105,500 *b																			50
55	64.1	280.5	100,500 *b																			55
60	60.5	277.8	96,000 *																			60
65	56.7	274.6	91,700 *	68.8	282.1	104,300 *b																65
70	52.8	271.0	87,700 *	65.3	279.9	99,800 *b																70
75	48.6	266.8	83,900 *	61.7	277.3	95,500 *b																75
80	44.2	261.9	77,000 *	58.0	274.3	91,100 *	65.3	278.3	101,600 *b													80
85	39.3	256.1	70,700 *	54.2	270.9	86,900 *	61.7	275.7	96,500 *													85
90	33.9	249.2	65,200 *	50.1	266.9	82,900 *	58.0	272.7	91,700 *													90
95	27.5	240.4	60,400 *	45.7	262.2	79,200 *	54.1	269.3	87,200 *													95
100	19.1	228.3	56,100 *	41.0	256.8	72,800 *	50.0	265.2	82,200 *	62.7	272.7	79,900 *b										100
105				35.8	250.3	67,000 *	45.7	260.6	77,300 *	59.0	269.8	75,100 *										105
110				29.8	242.3	62,000 *	41.0	255.1	72,800 *	55.2	266.5	70,800 *										110
115				22.3	231.6	57,600 *	35.7	248.6	67,200 *	51.2	262.6	66,900 *										115
120				10.4	213.7	53,600 *	29.7	240.6	62,100 *	46.9	258.2	63,400 *										120
130							10.2	211.8	53,700 *	37.2	246.8	57,100 *	51.9	258.3	54,200							130
140										24.5	229.5	51,700 *	43.2	248.9	49,400							140
150													32.6	235.6	45,100	48.1	247.8	41,400				150
160													16.9	213.1	41,300 *	38.7	236.9	38,100				160
170																26.6	220.8	35,100	43.5	234.8	31,500 *	170
180																			33.0	221.7	28,900 *	180
190																			17.5	199.7	26,500 *	190



A.I.S.C. Certified Erector



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L. R. WILLSON & SONS, INC.

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www.lrwilsonandsons.com

Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Luffing Jib Capacities**

Luffing Jib No. 133 or No. 133A On
 Boom No. 44 With Heavy Lift Top
 248,700 Lb. Crane Counterweight
 120,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

M-250 SERIES 3**190 Ft. Boom, 100 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	73.0	295.3	106,600 *b																			45
50	70.0	293.6	101,900 *b																			50
55	66.9	291.5	97,300 *b																			55
60	63.7	289.2	93,000 *																			60
65	60.4	286.4	88,900 *	71.0	292.8	100,700 *b																65
70	57.1	283.3	85,200 *	67.9	290.9	96,700 *b																70
75	53.5	279.8	80,800 *	64.8	288.6	92,400 *																75
80	49.9	275.7	75,600 *	61.6	286.0	88,300 *	67.9	289.3	98,300 *b													80
85	45.9	271.1	70,600 *	58.2	283.0	84,400 *	64.8	287.0	93,700 *													85
90	41.8	265.7	65,000 *	54.8	279.6	80,700 *	61.5	284.4	89,300 *													90
95	37.2	259.5	60,200 *	51.1	275.7	77,200 *	58.2	281.4	85,100 *													95
100	32.0	252.0	56,000 *	47.3	271.3	72,700 *	54.7	278.0	81,100 *													100
105	26.0	242.7	52,200 *	43.2	266.2	66,900 *	51.1	274.1	76,500 *	62.4	281.4	74,200 *										105
110	18.1	229.9	48,800 *	38.8	260.3	61,900 *	47.3	269.7	72,100 *	59.1	278.5	69,900 *										110
115				33.9	253.3	57,400 *	43.2	264.6	67,000 *	55.7	275.2	66,000 *										115
120				28.2	244.8	53,500 *	38.7	258.7	62,000 *	52.1	271.5	62,500 *										120
130				9.8	214.5	46,800 *	28.1	243.1	53,600 *	44.3	262.3	56,300 *	56.3	270.7	53,500							130
140							9.6	212.6	46,900 *	35.2	250.0	51,000 *	49.1	262.9	48,700							140
150										23.2	231.5	46,400 *	40.8	252.6	44,400 *							150
160													30.9	238.4	40,600 *	45.5	252.1	37,400				160
170													16.0	214.5	37,100 *	36.6	240.3	34,400				170
180																25.2	223.1	31,800				180
190																			41.1	238.6	27,900 *	190
200																			31.2	224.5	25,600 *	200
																			16.6	201.1	23,500 *	200



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www.lrwilsonandsons.com

Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Luffing Jib Capacities****M-250 SERIES 3**

Luffing Jib No. 133 or No. 133A On
 Boom No. 44 With Heavy Lift Top
 248,700 Lb. Crane Counterweight
 120,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

190 Ft. Boom, 110 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	74.6	305.8	102,800 *b																			45
50	71.9	304.2	98,400 *b																			50
55	69.1	302.4	94,200 *b																			55
60	66.3	300.3	90,200 *																			60
65	63.4	297.8	86,500 *																			65
70	60.4	295.1	82,400 *	70.0	301.6	93,500 *b																70
75	57.3	292.0	77,600 *	67.2	299.6	89,500 *																75
80	54.2	288.5	72,900 *	64.4	297.3	85,700 *																80
85	50.8	284.6	68,400 *	61.4	294.6	82,100 *	67.2	298.0	91,000 *													85
90	47.4	280.1	64,000 *	58.4	291.7	78,600 *	64.3	295.7	86,900 *													90
95	43.7	275.1	59,900 *	55.3	288.3	75,300 *	61.4	293.1	83,000 *													95
100	39.7	269.4	55,900 *	52.0	284.5	72,200 *	58.4	290.1	79,300 *													100
105	35.4	262.7	52,300 *	48.6	280.3	68,400 *	55.2	286.7	75,800 *													105
110	30.5	254.8	49,000 *	45.0	275.5	63,200 *	52.0	282.9	71,400 *	62.2	290.1	69,100 *										110
115	24.7	244.9	45,900 *	41.1	270.0	58,700 *	48.5	278.7	67,500 *	59.2	287.2	65,300 *										115
120	17.2	231.4	43,200 *	36.9	263.7	54,700 *	44.9	273.9	63,300 *	56.1	283.9	61,800 *										120
130				26.8	247.1	47,900 *	36.8	262.0	54,700 *	49.5	276.1	55,600 *										130
140				9.4	215.3	41,600 *	26.8	245.5	48,000 *	42.1	266.2	50,400 *	53.5	275.8	48,000 *							140
150							9.2	213.3	42,400 *	33.5	253.0	45,800 *	46.6	267.3	43,700 *							150
160										22.0	233.4	41,800 *	38.8	256.2	39,900 *	50.4	265.7	36,800				160
170													29.4	241.0	36,600 *	43.2	256.1	33,900				170
180													15.2	215.8	33,500 *	34.8	243.4	31,300	46.8	253.2	27,200 *	180
190																24.0	225.2	28,900 *	39.1	242.2	24,900 *	190
200																			29.7	227.2	22,900 *	200
210																			15.8	202.4	21,000 *	210



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Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Luffing Jib Capacities**

Luffing Jib No. 133 or No. 133A On
 Boom No. 44 With Heavy Lift Top
 248,700 Lb. Crane Counterweight
 120,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

M-250 SERIES 3**190 Ft. Boom, 120 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	75.9	316.2	96,100 *b																			45
50	73.4	314.7	93,200 *b																			50
55	70.9	313.1	89,900 *																			55
60	68.4	311.2	86,200 *																			60
65	65.8	309.0	82,400 *																			65
70	63.1	306.5	78,300 *																			70
75	60.4	303.8	74,200 *	69.2	310.4	86,300 *																75
80	57.6	300.7	70,100 *	66.7	308.3	82,800 *																80
85	54.7	297.2	66,000 *	64.0	306.0	79,400 *																85
90	51.7	293.4	62,100 *	61.3	303.3	76,200 *	66.6	306.7	84,200 *													90
95	48.5	289.1	58,300 *	58.5	300.3	73,200 *	64.0	304.4	80,600 *													95
100	45.2	284.3	54,700 *	55.7	297.0	70,200 *	61.3	301.7	77,200 *													100
105	41.7	279.0	51,200 *	52.7	293.3	67,400 *	58.5	298.7	73,900 *													105
110	37.9	272.8	48,000 *	49.6	289.2	62,800 *	55.6	295.4	70,700 *													110
115	33.8	265.7	45,000 *	46.4	284.6	58,300 *	52.7	291.7	66,700 *	62.0	298.7	64,400 *										115
120	29.1	257.4	42,300 *	42.9	279.4	54,300 *	49.6	287.6	62,900 *	59.3	295.8	60,900 *										120
130	16.4	232.8	37,500 *	35.2	266.9	47,500 *	42.9	277.8	54,300 *	53.5	289.0	54,800 *										130
140				25.6	249.4	41,900 *	35.2	265.2	47,500 *	47.2	280.6	49,600 *	57.0	288.1	47,100 *							140
150				8.9	216.0	36,800 *	25.6	247.7	42,000 *	40.2	269.9	45,100 *	51.0	280.7	42,800 *							150
160							8.7	214.1	37,300 *	32.0	255.8	41,200 *	44.5	271.4	39,100 *							160
170										21.1	235.3	37,700 *	37.1	259.6	35,800 *	48.1	270.2	33,300				170
180													28.1	243.5	32,900 *	41.3	259.9	30,600 *				180
190													14.5	217.0	30,200 *	33.3	246.4	28,200 *	44.7	257.3	24,000 *	190
200																22.9	227.2	25,900 *	37.3	245.5	22,000 *	200
210																			28.4	229.7	20,200 *	210
220																			15.0	203.7	18,500 *	220



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Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Luffing Jib Capacities****M-250 SERIES 3**

Luffing Jib No. 133 or No. 133A On
 Boom No. 44 With Heavy Lift Top
 248,700 Lb. Crane Counterweight
 120,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

190 Ft. Boom, 130 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	74.7	325.2	86,500 *b																			50
55	72.4	323.6	83,800 *																			55
60	70.1	321.9	80,900 *																			60
65	67.7	319.9	77,700 *																			65
70	65.3	317.7	74,300 *																			70
75	62.9	315.2	70,800 *	70.9	321.1	82,800 *																75
80	60.3	312.4	67,200 *	68.5	319.2	80,000 *																80
85	57.8	309.3	63,600 *	66.1	317.0	77,300 *																85
90	55.1	306.0	60,100 *	63.7	314.6	74,700 *																90
95	52.3	302.2	56,700 *	61.2	312.0	71,800 *	66.1	315.5	78,300 *													95
100	49.5	298.1	53,400 *	58.6	309.0	69,000 *	63.7	313.0	75,200 *													100
105	46.5	293.5	50,200 *	56.0	305.7	66,300 *	61.2	310.4	72,100 *													105
110	43.3	288.3	47,200 *	53.3	302.1	63,300 *	58.6	307.4	69,200 *													110
115	40.0	282.6	44,400 *	50.5	298.1	58,700 *	56.0	304.1	66,400 *													115
120	36.4	276.1	41,700 *	47.5	293.7	54,600 *	53.3	300.5	62,800 *	61.9	307.4	60,500 *										120
130	27.9	259.8	37,000 *	41.1	283.2	47,700 *	47.5	292.1	54,600 *	56.7	301.3	54,400 *										130
140	15.8	234.2	33,000 *	33.8	269.9	42,100 *	41.1	281.6	47,700 *	51.2	293.9	49,200 *										140
150				24.6	251.6	37,400 *	33.8	268.3	42,100 *	45.2	284.8	44,800 *	54.5	293.3	42,400 *							150
160				8.6	216.7	32,900 *	24.5	249.9	37,500 *	38.6	273.4	40,900 *	48.9	285.3	38,700 *							160
170							8.4	214.7	33,500 *	30.7	258.6	37,500 *	42.6	275.3	35,500 *	52.0	283.3	33,000 *				170
180										20.2	237.0	34,400 *	35.6	262.8	32,600 *	46.1	274.5	30,300 *				180
190													26.9	245.9	30,000 *	39.6	263.5	27,800 *				190
200													13.9	218.2	27,600 *	31.9	249.3	25,600 *	42.8	261.3	21,700 *	200
210																22.0	229.1	23,600 *	35.8	248.8	19,900 *	210
220																			27.2	232.1	18,300 *	220
230																			14.4	205.0	16,700 *	230



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 248,700 Lb. Crane Counterweight
 120,000 Lb. Carbody Counterweight
 360 Degree Rating

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 With The Intent To Be In
 The Scope of ANSI B30.5

M-250 SERIES 3**190 Ft. Boom, 140 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	75.9	335.5	80,100 *b																			50
55	73.7	334.1	78,000 *																			55
60	71.6	332.5	75,600 *																			60
65	69.4	330.7	72,900 *																			65
70	67.2	328.6	70,100 *																			70
75	64.9	326.4	67,100 *																			75
80	62.7	323.9	64,100 *	70.2	329.9	77,200 *																80
85	60.3	321.1	61,000 *	68.0	327.9	74,700 *																85
90	57.9	318.0	57,800 *	65.7	325.7	72,100 *																90
95	55.5	314.7	54,800 *	63.4	323.3	69,400 *	67.9	326.4	75,600 *													95
100	52.9	311.0	51,800 *	61.1	320.6	66,800 *	65.7	324.2	72,800 *													100
105	50.3	307.0	48,900 *	58.7	317.7	64,300 *	63.4	321.7	70,000 *													105
110	47.5	302.5	46,200 *	56.3	314.4	62,000 *	61.1	319.0	67,300 *													110
115	44.7	297.6	43,500 *	53.8	310.9	58,200 *	58.7	316.1	64,600 *													115
120	41.7	292.2	41,000 *	51.2	306.9	54,100 *	56.3	312.8	62,000 *													120
130	35.0	279.3	36,400 *	45.7	297.9	47,200 *	51.2	305.3	54,200 *	59.4	313.2	53,600 *										130
140	26.9	262.2	32,400 *	39.6	286.8	41,600 *	45.6	296.3	47,300 *	54.4	306.5	48,400 *										140
150	15.2	235.5	29,100 *	32.5	272.8	36,900 *	39.5	285.2	41,600 *	49.2	298.5	44,000 *	57.4	305.5	41,600 *							150
160				23.7	253.7	33,000 *	32.5	271.2	37,000 *	43.5	288.8	40,200 *	52.4	298.3	37,900 *							160
170				8.2	217.4	29,200 *	23.6	252.0	33,100 *	37.1	276.8	36,800 *	47.0	289.6	34,700 *							170
180							8.0	215.4	29,700 *	29.5	261.2	33,800 *	41.0	279.1	31,800 *	50.0	288.0	29,400 *				180
190										19.4	238.7	31,000 *	34.2	265.9	29,300 *	44.3	278.6	27,000 *				190
200													25.9	248.2	26,900 *	38.0	266.9	24,800 *	47.1	275.5	20,800 *	200
210													13.4	219.4	24,800 *	30.7	252.0	22,900 *	41.2	265.0	19,100 *	210
220																21.1	231.0	21,000 *	34.4	251.9	17,500 *	220
230																			26.2	234.4	16,000 *	230
240																			13.9	206.2	14,600 *	240



A.I.S.C. Certified Erector



P.C.I. Qualified Erector

L. R. WILLSON & SONS, INC.

773 ANNAPOLIS ROAD • PO BOX 227

GAMBRILLS, MARYLAND 21054

www.lrwilsonandsons.com

Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Luffing Jib Capacities**

Luffing Jib No. 133 or No. 133A On
 Boom No. 44 With Heavy Lift Top
 248,700 Lb. Crane Counterweight
 120,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

M-250 SERIES 3**190 Ft. Boom, 150 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
55	74.8	344.5	72,400 *																			55
60	72.9	343.0	70,500 *																			60
65	70.8	341.4	68,300 *																			65
70	68.8	339.5	66,000 *																			70
75	66.7	337.4	63,500 *																			75
80	64.6	335.1	60,900 *																			80
85	62.5	332.5	58,200 *	69.5	338.7	72,100 *																85
90	60.3	329.7	55,500 *	67.4	336.7	69,600 *																90
95	58.1	326.7	52,800 *	65.3	334.4	67,200 *																95
100	55.8	323.4	50,100 *	63.2	332.0	64,800 *	67.4	335.1	71,200 *													100
105	53.4	319.8	47,500 *	61.0	329.3	62,500 *	65.3	332.9	68,600 *													105
110	51.0	315.8	45,000 *	58.8	326.3	60,200 *	63.2	330.4	66,100 *													110
115	48.4	311.5	42,600 *	56.6	323.1	58,100 *	61.0	327.7	63,700 *													115
120	45.8	306.8	40,200 *	54.2	319.6	54,600 *	58.8	324.7	61,300 *													120
130	40.2	295.9	35,900 *	49.3	311.6	47,600 *	54.2	318.0	54,600 *	61.6	324.7	53,300 *										130
140	33.7	282.3	32,000 *	44.0	302.0	41,900 *	49.3	310.0	47,600 *	57.1	318.7	48,100 *										140
150	25.9	264.5	28,700 *	38.2	290.3	37,200 *	44.0	300.4	41,900 *	52.4	311.5	43,600 *										150
160	14.6	236.7	25,900 *	31.4	275.6	33,200 *	38.1	288.7	37,200 *	47.4	302.9	39,700 *	55.3	310.8	37,400 *							160
170				22.8	255.7	29,800 *	31.3	274.0	33,200 *	41.9	292.6	36,300 *	50.5	303.1	34,200 *							170
180				7.9	218.0	25,200 *	22.8	254.0	29,800 *	35.8	280.0	33,300 *	45.3	293.8	31,300 *							180
190							7.8	216.1	25,800 *	28.5	263.8	30,600 *	39.5	282.7	28,700 *	48.1	292.5	26,400 *				190
200										18.8	240.4	28,200 *	33.0	268.8	26,400 *	42.7	282.5	24,200 *				200
210													25.0	250.4	24,300 *	36.7	270.3	22,300 *	45.4	279.8	18,400 *	210
220													12.9	220.5	22,400 *	29.6	254.7	20,500 *	39.7	268.7	16,800 *	220
230																20.4	232.8	18,800 *	33.2	254.9	15,400 *	230
240																			25.2	236.6	14,000 *	240
250																			13.4	207.3	12,700 *	250



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 Boom No. 44 With Heavy Lift Top
 248,700 Lb. Crane Counterweight
 120,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

M-250 SERIES 3**190 Ft. Boom, 160 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
55	75.8	354.9	67,100 *																			55
60	74.0	353.5	65,500 *																			60
65	72.1	351.9	63,700 *																			65
70	70.2	350.2	61,800 *																			70
75	68.3	348.2	59,700 *																			75
80	66.3	346.1	57,600 *																			80
85	64.3	343.7	55,300 *	70.8	349.4	69,000 *																85
90	62.3	341.2	53,000 *	68.9	347.5	66,900 *																90
95	60.3	338.4	50,600 *	67.0	345.4	64,700 *																95
100	58.2	335.4	48,300 *	65.0	343.1	62,500 *																100
105	56.0	332.1	45,900 *	63.0	340.7	60,300 *	67.0	343.8	66,200 *													105
110	53.8	328.5	43,700 *	61.0	337.9	58,300 *	65.0	341.6	63,900 *													110
115	51.6	324.6	41,400 *	58.9	335.0	56,300 *	63.0	339.1	61,700 *													115
120	49.2	320.4	39,300 *	56.8	331.8	54,100 *	61.0	336.4	59,500 *													120
130	44.3	310.9	35,200 *	52.4	324.6	47,000 *	56.8	330.2	54,100 *													130
140	38.8	299.4	31,600 *	47.6	316.0	41,400 *	52.3	323.0	47,100 *	59.4	330.5	47,300 *										140
150	32.6	285.3	28,300 *	42.5	305.9	36,600 *	47.6	314.4	41,400 *	55.2	323.9	42,800 *										150
160	25.1	266.8	25,500 *	36.9	293.7	32,700 *	42.5	304.3	36,700 *	50.6	316.3	39,000 *	57.7	322.8	36,500 *							160
170	14.2	238.0	23,100 *	30.3	278.4	29,300 *	36.9	292.0	32,700 *	45.8	307.2	35,600 *	53.4	315.8	33,300 *							170
180				22.1	257.6	26,400 *	30.3	276.7	29,300 *	40.5	296.3	32,600 *	48.7	307.6	30,500 *							180
190				7.7	218.7	22,200 *	22.0	255.9	26,400 *	34.6	283.1	29,900 *	43.7	297.9	28,000 *	51.3	305.7	25,500 *				190
200							7.5	216.7	22,800 *	27.6	266.2	27,500 *	38.2	286.2	25,700 *	46.5	296.9	23,400 *				200
210										18.1	241.9	25,300 *	31.9	271.7	23,600 *	41.3	286.3	21,500 *				210
220													24.2	252.6	21,700 *	35.5	273.5	19,700 *	43.9	283.8	15,900 *	220
230													12.5	221.5	19,900 *	28.6	257.2	18,100 *	38.4	272.2	14,500 *	230
240																19.7	234.5	16,600 *	32.1	257.8	13,200 *	240
250																			24.4	238.8	12,000 *	250
260																			12.9	208.4	10,800 *	260



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Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Luffing Jib Capacities****M-250 SERIES 3**

Luffing Jib No. 133 or No. 133A On
 Boom No. 44 With Heavy Lift Top
 248,700 Lb. Crane Counterweight
 120,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

190 Ft. Boom, 170 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
60	74.9	363.9	60,900 *																			60
65	73.2	362.4	59,500 *																			65
70	71.4	360.8	57,900 *																			70
75	69.6	359.0	56,200 *																			75
80	67.8	357.0	54,300 *																			80
85	66.0	354.8	52,400 *																			85
90	64.1	352.4	50,400 *	70.2	358.2	63,100 *																90
95	62.2	349.9	48,400 *	68.4	356.3	62,300 *																95
100	60.3	347.1	46,400 *	66.6	354.1	60,400 *																100
105	58.3	344.0	44,300 *	64.7	351.8	58,400 *																105
110	56.3	340.8	42,300 *	62.8	349.3	56,500 *	66.6	352.6	61,800 *													110
115	54.2	337.2	40,300 *	60.9	346.6	54,700 *	64.7	350.3	59,800 *													115
120	52.1	333.4	38,300 *	59.0	343.7	52,900 *	62.8	347.7	57,800 *													120
130	47.7	324.9	34,600 *	54.9	337.0	46,700 *	58.9	342.1	53,800 *													130
140	42.9	314.8	31,100 *	50.7	329.3	41,000 *	54.9	335.4	46,800 *	61.4	342.0	46,800 *										140
150	37.6	302.8	28,000 *	46.1	320.3	36,300 *	50.6	327.7	41,100 *	57.5	336.0	42,400 *										150
160	31.6	288.1	25,200 *	41.2	309.7	32,400 *	46.1	318.7	36,400 *	53.4	329.0	38,600 *										160
170	24.3	268.9	22,800 *	35.7	296.9	29,000 *	41.2	308.1	32,400 *	49.0	320.9	35,200 *	55.9	328.2	32,900 *							170
180	13.7	239.1	20,700 *	29.4	281.0	26,100 *	35.7	295.3	29,000 *	44.4	311.3	32,200 *	51.6	320.7	30,100 *							180
190				21.4	259.5	23,500 *	29.4	279.3	26,100 *	39.3	299.9	29,600 *	47.2	312.0	27,600 *							190
200				7.4	219.3	19,800 *	21.4	257.8	23,500 *	33.5	286.1	27,200 *	42.4	301.8	25,300 *	49.7	310.4	23,000 *				200
210							7.3	217.3	20,300 *	26.7	268.6	25,000 *	37.0	289.6	23,300 *	45.0	301.1	21,100 *				210
220										17.6	243.5	22,700 *	30.9	274.5	21,400 *	40.0	290.0	19,300 *	47.3	297.9	15,500 *	220
230													23.4	254.6	19,700 *	34.4	276.6	17,700 *	42.5	287.7	14,100 *	230
240													12.1	222.6	18,000 *	27.8	259.7	16,300 *	37.2	275.5	12,800 *	240
250																19.1	236.1	14,900 *	31.1	260.6	11,600 *	250
260																			23.7	240.9	10,500 *	260
270																			12.5	209.5	9,400 *	270



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**Liftcrane Luffing Jib Capacities**

Luffing Jib No. 133 or No. 133A On
 Boom No. 44 With Heavy Lift Top
 248,700 Lb. Crane Counterweight
 120,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

M-250 SERIES 3**190 Ft. Boom, 180 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
60	75.8	374.3	56,300 *																			60
65	74.1	372.9	55,100 *																			65
70	72.5	371.3	53,700 *																			70
75	70.8	369.6	52,300 *																			75
80	69.1	367.8	50,900 *																			80
85	67.4	365.7	49,300 *																			85
90	65.6	363.5	47,700 *																			90
95	63.9	361.1	46,000 *	69.7	367.0	57,500 *																95
100	62.1	358.5	44,200 *	68.0	365.0	56,800 *																100
105	60.2	355.7	42,400 *	66.2	362.9	55,900 *																105
110	58.4	352.7	40,700 *	64.5	360.5	54,900 *	67.9	363.4	57,900 *													110
115	56.5	349.5	38,800 *	62.7	358.0	53,300 *	66.2	361.3	57,500 *													115
120	54.5	346.0	37,100 *	60.9	355.3	51,600 *	64.4	358.9	55,700 *													120
130	50.5	338.2	33,700 *	57.1	349.2	46,900 *	60.9	353.7	52,100 *													130
140	46.2	329.2	30,500 *	53.2	342.1	41,100 *	57.1	347.6	46,900 *													140
150	41.6	318.6	27,600 *	49.1	333.9	36,200 *	53.2	340.5	41,100 *	59.5	347.8	41,600 *										150
160	36.5	306.1	24,900 *	44.7	324.5	32,200 *	49.1	332.3	36,300 *	55.7	341.4	37,800 *										160
170	30.7	290.8	22,600 *	40.0	313.3	28,700 *	44.7	322.8	32,200 *	51.7	333.9	34,400 *	58.0	340.2	32,000 *							170
180	23.6	271.0	20,500 *	34.7	300.0	25,800 *	40.0	311.7	28,800 *	47.5	325.3	31,500 *	54.1	333.3	29,200 *							180
190	13.3	240.3	18,500 *	28.5	283.5	23,200 *	34.7	298.4	25,800 *	43.0	315.2	28,900 *	50.1	325.4	26,700 *							190
200				20.8	261.3	20,900 *	28.5	281.9	23,200 *	38.1	303.4	26,500 *	45.8	316.3	24,500 *	52.3	323.4	22,100 *				200
210				7.2	219.9	17,500 *	20.7	259.6	20,900 *	32.5	289.1	24,300 *	41.1	305.6	22,500 *	48.2	314.9	20,200 *				210
220							7.0	217.9	18,000 *	25.9	270.9	22,400 *	35.9	292.8	20,600 *	43.7	305.1	18,500 *				220
230										17.1	244.9	20,200 *	30.0	277.2	19,000 *	38.8	293.5	16,900 *	45.9	302.2	13,300 *	230
240													22.8	256.6	17,400 *	33.4	279.6	15,500 *	41.2	291.5	12,000 *	240
250													11.7	223.6	15,900 *	26.9	262.1	14,100 *	36.1	278.8	10,800 *	250
260																18.6	237.8	12,900 *	30.2	263.3	9,700 *	260
270																			23.0	242.9	8,700 *	270
280																			12.2	210.5	7,700 *	280



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 120,000 Lb. Carbody Counterweight
 360 Degree Rating

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 The Scope of ANSI B30.5

M-250 SERIES 3**190 Ft. Boom, 190 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
65	75.0	383.3	51,200 *																			65
70	73.4	381.8	50,100 *																			70
75	71.8	380.2	48,900 *																			75
80	70.2	378.5	47,700 *																			80
85	68.6	376.5	46,400 *																			85
90	67.0	374.5	45,000 *																			90
95	65.3	372.2	43,500 *	70.8	377.7	53,100 *																95
100	63.7	369.8	42,000 *	69.2	375.8	52,600 *																100
105	62.0	367.2	40,500 *	67.6	373.8	51,900 *																105
110	60.2	364.4	39,000 *	65.9	371.6	51,200 *																110
115	58.5	361.4	37,400 *	64.2	369.2	50,300 *	67.5	372.2	53,000 *													115
120	56.7	358.1	35,800 *	62.5	366.7	49,300 *	65.9	370.0	52,800 *													120
130	53.0	351.0	32,800 *	59.1	361.0	46,400 *	62.5	365.1	51,300 *													130
140	49.1	342.8	29,900 *	55.5	354.5	40,600 *	59.1	359.4	46,400 *													140
150	44.9	333.3	27,100 *	51.7	347.0	35,700 *	55.5	352.9	40,600 *	61.3	359.4	41,500 *										150
160	40.4	322.3	24,600 *	47.7	338.4	31,700 *	51.7	345.4	35,800 *	57.8	353.4	37,600 *										160
170	35.5	309.3	22,300 *	43.5	328.5	28,200 *	47.7	336.8	31,700 *	54.1	346.5	34,200 *										170
180	29.8	293.5	20,300 *	38.9	316.9	25,300 *	43.5	326.9	28,300 *	50.3	338.6	31,200 *	56.3	345.6	28,900 *							180
190	23.0	273.0	18,400 *	33.7	303.1	22,700 *	38.8	315.3	25,300 *	46.2	329.6	28,600 *	52.6	338.3	26,400 *							190
200	12.9	241.4	16,200 *	27.8	286.0	20,400 *	33.7	301.4	22,700 *	41.8	319.1	26,200 *	48.7	330.0	24,100 *							200
210				20.2	263.1	18,400 *	27.7	284.3	20,400 *	37.0	306.8	24,000 *	44.5	320.4	22,100 *	50.8	328.1	19,700 *				210
220				7.0	220.5	15,300 *	20.2	261.4	18,400 *	31.6	291.9	21,900 *	39.9	309.2	20,200 *	46.8	319.3	18,000 *				220
230							6.8	218.4	15,800 *	25.2	273.1	19,700 *	34.9	296.0	18,500 *	42.5	309.0	16,400 *				230
240										16.6	246.4	17,700 *	29.2	279.8	17,000 *	37.7	297.0	15,000 *	44.6	306.3	11,400 *	240
250													22.1	258.6	15,500 *	32.4	282.5	13,600 *	40.1	295.2	10,200 *	250
260													11.4	224.6	14,100 *	26.2	264.4	12,400 *	35.1	282.0	9,100 *	260
270																18.1	239.3	11,200 *	29.4	265.9	8,100 *	270
280																			22.3	244.9	7,200 *	280
290																			11.8	211.6	6,200 *	290



A.I.S.C. Certified Erector



P.C.I. Qualified Erector

L. R. WILLSON & SONS, INC.

773 ANNAPOLIS ROAD • PO BOX 227

GAMBRILLS, MARYLAND 21054

www.lrwilsonandsons.com

Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Luffing Jib Capacities**

Luffing Jib No. 133 or No. 133A On
 Boom No. 44 With Heavy Lift Top
 248,700 Lb. Crane Counterweight
 120,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

M-250 SERIES 3**190 Ft. Boom, 200 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
65	75.8	393.6	47,400 *																			65
70	74.3	392.3	46,400 *																			70
75	72.8	390.7	45,500 *																			75
80	71.3	389.1	44,400 *																			80
85	69.7	387.3	43,400 *																			85
90	68.2	385.3	42,200 *																			90
95	66.6	383.2	41,000 *																			95
100	65.1	380.9	39,700 *	70.3	386.5	48,500 *																100
105	63.5	378.5	38,400 *	68.7	384.6	48,000 *																105
110	61.9	375.8	37,100 *	67.2	382.5	47,400 *																110
115	60.2	373.0	35,800 *																			115
120	58.5	370.0	34,400 *	64.0	377.9	46,000 *	67.2	380.9	48,400 *													120
130	55.1	363.4	31,700 *	60.8	372.6	42,600 *	64.0	376.3	47,500 *													130
140	51.5	355.9	29,000 *	57.4	366.5	39,100 *	60.8	371.0	43,700 *													140
150	47.7	347.2	26,500 *	53.9	359.6	35,200 *	57.4	364.9	39,800 *	62.8	370.7	40,700 *										150
160	43.7	337.4	24,200 *	50.3	351.7	31,100 *	53.9	358.0	35,200 *	59.6	365.1	36,800 *										160
170	39.4	325.9	22,000 *	46.4	342.7	27,700 *	50.3	350.1	31,200 *	56.2	358.8	33,400 *										170
180	34.6	312.5	20,000 *	42.3	332.4	24,700 *	46.4	341.1	27,700 *	52.6	351.5	30,500 *										180
190	29.1	296.1	18,200 *	37.8	320.3	22,100 *	42.3	330.7	24,700 *	48.9	343.2	27,800 *	54.7	350.8	25,500 *							190
200	22.4	275.0	16,600 *	32.8	306.0	19,800 *	37.8	318.7	22,100 *	45.0	333.7	25,400 *	51.1	343.1	23,300 *							200
210	12.6	242.5	14,000 *	27.0	288.4	17,800 *	32.8	304.4	19,900 *	40.7	322.8	23,300 *	47.3	334.4	21,300 *							210
220				19.7	264.8	16,000 *	27.0	286.7	17,800 *	36.1	310.0	21,300 *	43.3	324.4	19,400 *	49.4	332.8	17,100 *				220
230				6.8	221.0	13,300 *	19.6	263.1	16,000 *	30.8	294.7	19,100 *	38.9	312.7	17,800 *	45.5	323.5	15,600 *				230
240							6.7	219.0	13,700 *	24.6	275.3	17,200 *	34.0	299.0	16,200 *	41.3	312.8	14,200 *	47.4	320.3	10,500 *	240
250										16.2	247.8	15,400 *	28.4	282.3	14,800 *	36.7	300.3	12,800 *	43.4	310.3	9,400 *	250
260													21.6	260.5	13,500 *	31.6	285.3	11,600 *	39.0	298.7	8,300 *	260
270													11.1	225.5	12,200 *	25.5	266.7	10,500 *	34.2	285.1	7,300 *	270
280																17.6	240.9	9,400 *	28.6	268.4	6,400 *	280
290																			21.8	246.8	5,500 *	290
300																			11.5	212.6	4,600 *	300



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Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Luffing Jib Capacities****M-250 SERIES 3**

Luffing Jib No. 133 or No. 133A On
 Boom No. 44 With Heavy Lift Top
 248,700 Lb. Crane Counterweight
 120,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

200 Ft. Boom, 70 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	65.6	273.3	116,800 *b																			45
50	61.0	270.7	111,100 *b																			50
55	56.1	267.5	105,700 *b																			55
60	50.9	263.6	100,800 *b																			60
65	45.4	259.0	96,400 *	63.4	270.6	108,200 *b																65
70	39.1	253.3	92,300 *	58.6	267.7	102,600 *b																70
75	31.9	246.0	84,400 *	53.7	264.2	97,400 *b	63.8	269.2	108,100 *b													75
80	22.6	235.8	77,000 *	48.3	260.0	92,500 *	59.1	266.3	102,200 *b													80
85				42.4	254.9	88,000 *	54.1	262.9	96,600 *b													85
90				35.8	248.5	83,800 *	48.8	258.8	91,500 *													90
95				27.8	240.1	79,800 *	43.0	253.8	86,600 *	61.2	263.7	83,900 *b										95
100				16.4	227.1	73,800 *	36.5	247.5	81,200 *	56.3	260.6	78,800 *b										100
105							28.6	239.3	76,300 *	51.2	256.8	74,100 *b										105
110							17.7	227.0	71,800 *	45.6	252.2	69,900 *										110
115										39.5	246.5	66,100 *										115
120										32.3	239.3	62,500 *	53.1	252.8	59,800 b							120
130										4.8	207.5	56,000 *	41.8	243.3	54,000 *							130
140													26.8	228.0	49,000 *							140
150																49.1	242.8	45,100				150
160																36.8	231.6	41,200				160
170																18.4	211.6	37,800	44.0	230.2	34,000 *	170
																			30.1	216.5	31,200 *	170



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 248,700 Lb. Crane Counterweight
 120,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

M-250 SERIES 3**200 Ft. Boom, 80 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	68.8	284.2	112,700 *b																			45
50	64.9	282.0	107,300 *b																			50
55	60.8	279.3	102,300 *b																			55
60	56.6	276.2	97,700 *b																			60
65	52.1	272.5	93,400 *	66.9	281.7	104,500 *b																65
70	47.4	268.1	89,300 *	63.0	279.2	99,400 *b																70
75	42.2	262.9	83,200 *	58.8	276.4	94,500 *b	67.3	280.3	104,700 *b													75
80	36.5	256.6	77,300 *	54.5	272.9	90,000 *	63.3	277.9	99,300 *b													80
85	29.7	248.6	70,900 *	49.9	268.9	85,700 *	59.2	275.0	94,200 *b													85
90	21.1	237.7	65,400 *	45.0	264.2	81,700 *	54.9	271.7	89,400 *													90
95				39.5	258.5	78,000 *	50.3	267.7	84,900 *													95
100				33.4	251.5	74,200 *	45.4	263.0	80,500 *	61.0	272.4	77,800 *b										100
105				25.9	242.4	68,200 *	40.1	257.4	75,700 *	56.8	269.3	73,200 *										105
110				15.2	228.4	63,000 *	34.0	250.6	71,300 *	52.4	265.6	69,000 *										110
115							26.7	241.7	67,400 *	47.6	261.3	65,200 *										115
120							16.5	228.5	63,600 *	42.5	256.1	61,800 *										120
130										30.1	242.0	55,700 *	49.4	257.5	53,100 *							130
140										4.4	207.8	50,100 *	38.9	246.8	48,200 *							140
150													25.0	230.2	43,800 *	45.7	247.1	40,600				150
160																34.3	234.8	37,200				160
170																17.2	213.1	34,200	41.0	234.0	30,200 *	170
180																			28.0	219.0	27,700 *	180



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www.lrwilsonandsons.com

Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Luffing Jib Capacities****M-250 SERIES 3**

Luffing Jib No. 133 or No. 133A On
 Boom No. 44 With Heavy Lift Top
 248,700 Lb. Crane Counterweight
 120,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

200 Ft. Boom, 90 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	71.3	294.9	108,600 *b																			45
50	67.9	293.0	103,700 *b																			50
55	64.4	290.7	99,100 *b																			55
60	60.7	288.0	94,700 *																			60
65	57.0	284.9	90,600 *	69.6	292.5	100,900 *b																65
70	53.1	281.3	85,800 *	66.2	290.4	96,200 *b																70
75	48.9	277.1	80,200 *	62.6	287.9	91,700 *b																75
80	44.5	272.2	74,900 *	58.9	285.0	87,500 *	66.5	289.0	97,500 *b													80
85	39.7	266.5	69,800 *	55.1	281.7	83,500 *	63.0	286.5	92,700 *b													85
90	34.3	259.7	65,100 *	51.1	277.8	79,700 *	59.3	283.7	88,100 *													90
95	27.9	251.1	60,700 *	46.8	273.3	76,200 *	55.5	280.4	83,800 *													95
100	19.8	239.4	56,400 *	42.2	268.1	72,900 *	51.5	276.6	79,800 *													100
105				37.1	261.9	68,400 *	47.2	272.1	75,700 *	60.9	281.0	73,000 *										105
110				31.4	254.3	63,200 *	42.7	267.0	71,300 *	57.2	278.0	68,800 *										110
115				24.3	244.5	58,600 *	37.6	260.9	67,400 *	53.3	274.4	65,000 *										115
120				14.3	229.6	54,500 *	31.9	253.5	63,700 *	49.1	270.2	61,500 *										120
130							15.5	229.8	55,100 *	39.9	259.8	55,400 *	54.7	270.3	52,700 *							130
140										28.3	244.5	50,200 *	46.3	261.8	47,800 *							140
150										4.1	208.1	45,400 *	36.5	250.2	43,500 *	51.7	260.6	40,000				150
160													23.5	232.2	39,700 *	42.9	251.1	36,800				160
170																32.2	237.7	33,900	48.0	248.5	29,600 *	170
180																16.1	214.5	31,200 *	38.5	237.5	27,200 *	180
190																			26.4	221.3	24,900 *	190



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 248,700 Lb. Crane Counterweight
 120,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

M-250 SERIES 3**200 Ft. Boom, 100 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	73.2	305.5	104,500 *b																			45
50	70.2	303.7	100,000 *b																			50
55	67.1	301.7	95,700 *b																			55
60	63.9	299.3	91,600 *																			60
65	60.7	296.6	87,100 *																			65
70	57.3	293.5	82,100 *	68.7	301.3	92,800 *b																70
75	53.8	290.0	77,100 *	65.6	299.1	88,700 *																75
80	50.1	286.0	72,300 *	62.4	296.6	84,800 *																80
85	46.2	281.4	67,700 *	59.1	293.7	81,100 *	65.9	297.7	89,800 *													85
90	42.1	276.1	63,200 *	55.6	290.4	77,500 *	62.7	295.2	85,600 *													90
95	37.5	270.0	59,100 *	52.0	286.6	74,200 *	59.4	292.3	81,600 *													95
100	32.4	262.6	55,200 *	48.3	282.4	71,000 *	55.9	289.1	77,800 *													100
105	26.4	253.5	51,700 *	44.3	277.4	68,000 *	52.4	285.4	74,300 *													105
110	18.7	241.0	48,500 *	39.9	271.8	63,000 *	48.6	281.1	70,600 *	60.8	289.7	67,800 *										110
115				35.1	265.1	58,500 *	44.6	276.3	66,600 *	57.5	286.6	64,100 *										115
120				29.7	257.0	54,400 *	40.3	270.7	63,100 *	54.0	283.1	60,600 *										120
130				13.5	230.7	47,500 *	30.2	256.2	54,900 *	46.4	274.6	54,600 *										130
140							14.7	231.0	48,000 *	37.7	263.2	49,400 *	51.6	275.2	46,800 *							140
150										26.8	246.9	45,000 *	43.8	265.9	42,600 *							150
160										3.8	208.4	40,800 *	34.6	253.3	38,900 *	48.8	265.2	36,000				160
170													22.2	234.2	35,600 *	40.6	254.8	33,100 *				170
180																30.5	240.4	30,400 *	45.3	252.7	26,200 *	180
190																15.3	215.8	27,900 *	36.4	240.8	24,000 *	190
200																			24.9	223.5	22,000 *	200



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 248,700 Lb. Crane Counterweight
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 360 Degree Rating

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M-250 SERIES 3**200 Ft. Boom, 110 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	74.8	315.9	98,200 *b																			45
50	72.1	314.3	94,800 *b																			50
55	69.3	312.5	91,000 *b																			55
60	66.5	310.4	87,000 *																			60
65	63.6	308.0	82,800 *																			65
70	60.6	305.3	78,400 *	70.7	312.0	89,500 *b																70
75	57.6	302.2	74,000 *	67.9	310.0	85,800 *																75
80	54.4	298.8	69,700 *	65.1	307.8	82,200 *																80
85	51.1	294.9	65,500 *	62.2	305.2	78,700 *																85
90	47.6	290.5	61,400 *	59.1	302.4	75,400 *	65.3	306.4	83,300 *													90
95	43.9	285.5	57,600 *	56.0	299.1	72,300 *	62.4	303.9	79,600 *													95
100	40.0	279.8	53,900 *	52.8	295.4	69,300 *	59.4	301.0	76,000 *													100
105	35.7	273.2	50,500 *	49.4	291.3	66,500 *	56.3	297.8	72,700 *													105
110	30.8	265.4	47,400 *	45.9	286.6	63,800 *	53.1	294.1	69,400 *													110
115	25.2	255.7	44,500 *	42.1	281.3	59,700 *	49.7	290.1	66,000 *	60.8	298.4	63,300 *										115
120	17.8	242.5	41,900 *	38.0	275.2	55,600 *	46.2	285.5	62,400 *	57.7	295.3	59,900 *										120
130				28.2	259.5	48,600 *	38.4	274.2	56,100 *	51.2	288.0	53,900 *										130
140				12.9	231.8	42,900 *	28.7	258.7	49,000 *	44.1	278.7	48,800 *	55.7	287.7	46,000 *							140
150							14.0	232.2	43,300 *	35.9	266.5	44,400 *	49.0	279.8	41,900 *							150
160										25.5	249.2	40,500 *	41.6	269.7	38,200 *							160
170										3.6	208.6	36,800 *	32.9	256.2	35,000 *	46.4	269.5	32,400 *				170
180													21.1	236.0	32,100 *	38.6	258.3	29,700 *				180
190																29.0	243.0	27,300 *	43.1	256.7	23,300 *	190
200																14.5	217.0	25,100 *	34.7	244.0	21,300 *	200
210																			23.7	225.6	19,600 *	210



A.I.S.C. Certified Erector



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www.lrwilsonandsons.com

Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Luffing Jib Capacities**

Luffing Jib No. 133 or No. 133A On
 Boom No. 44 With Heavy Lift Top
 248,700 Lb. Crane Counterweight
 120,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5

M-250 SERIES 3**200 Ft. Boom, 120 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	73.6	324.8	88,100 *b																			50
55	71.1	323.2	85,100 *																			55
60	68.5	321.3	81,800 *																			60
65	65.9	319.1	78,300 *																			65
70	63.3	316.7	74,600 *																			70
75	60.6	314.0	70,800 *	69.9	320.8	83,400 *																75
80	57.8	310.9	67,000 *	67.3	318.8	80,100 *																80
85	54.9	307.5	63,200 *	64.7	316.5	76,800 *																85
90	51.9	303.7	59,500 *	62.0	313.9	73,700 *	67.5	317.3	80,600 *													90
95	48.7	299.4	56,000 *	59.2	311.0	70,800 *	64.9	315.1	77,200 *													95
100	45.4	294.7	52,700 *	56.4	307.8	67,900 *	62.2	312.5	73,900 *													100
105	42.0	289.3	49,500 *	53.4	304.2	65,200 *	59.5	309.7	70,800 *													105
110	38.2	283.3	46,400 *	50.4	300.2	62,600 *	56.6	306.5	67,800 *													110
115	34.1	276.3	43,600 *	47.2	295.7	59,900 *	53.7	302.9	64,900 *													115
120	29.5	268.0	41,000 *	43.8	290.7	55,700 *	50.7	298.9	61,700 *	60.7	307.0	59,000 *										120
130	17.0	244.0	36,500 *	36.3	278.5	48,600 *	44.1	289.5	55,500 *	55.0	300.6	53,000 *										130
140				27.0	261.9	42,800 *	36.6	277.5	49,000 *	48.9	292.6	48,000 *										140
150				12.3	232.8	38,000 *	27.5	261.2	43,200 *	42.1	282.6	43,600 *	53.1	292.8	41,000 *							150
160							13.3	233.4	38,300 *	34.3	269.6	39,800 *	46.8	284.2	37,400 *							160
170										24.3	251.3	36,400 *	39.8	273.4	34,200 *	50.8	282.9	31,500 *				170
180										3.4	208.8	33,200 *	31.4	259.1	31,400 *	44.3	273.6	28,800 *				180
190													20.2	237.8	28,800 *	36.8	261.7	26,500 *	48.0	270.8	22,300 *	190
200																27.7	245.4	24,300 *	41.1	260.5	20,400 *	200
210																13.9	218.2	22,300 *	33.1	247.0	18,700 *	210
220																			22.7	227.6	17,100 *	220



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Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Luffing Jib Capacities**

Luffing Jib No. 133 or No. 133A On
Boom No. 44 With Heavy Lift Top
248,700 Lb. Crane Counterweight
120,000 Lb. Carbody Counterweight
360 Degree Rating

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

M-250 SERIES 3**200 Ft. Boom, 130 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	74.9	335.3	82,000 *b																			50
55	72.6	333.7	79,600 *																			55
60	70.3	332.0	76,800 *																			60
65	67.9	330.0	73,900 *																			65
70	65.5	327.8	70,700 *																			70
75	63.0	325.4	67,500 *																			75
80	60.5	322.6	64,200 *	69.1	329.6	77,300 *																80
85	57.9	319.6	60,900 *	66.7	327.5	74,400 *																85
90	55.3	316.2	57,600 *	64.3	325.2	71,600 *																90
95	52.5	312.5	54,400 *	61.8	322.6	68,800 *	67.0	326.1	74,900 *													95
100	49.7	308.4	51,300 *	59.3	319.7	66,100 *	64.5	323.8	72,000 *													100
105	46.7	303.8	48,300 *	56.7	316.5	63,600 *	62.1	321.2	69,000 *													105
110	43.6	298.7	45,500 *	54.0	312.9	61,200 *	59.5	318.3	66,200 *													110
115	40.2	293.0	42,800 *	51.2	309.0	58,900 *	56.9	315.2	63,600 *													115
120	36.6	286.6	40,300 *	48.2	304.7	55,500 *	54.2	311.7	61,000 *													120
130	28.3	270.5	35,800 *	42.0	294.5	48,400 *	48.5	303.5	55,100 *	58.1	312.7	52,600 *										130
140	16.3	245.4	32,100 *	34.8	281.7	42,700 *	42.3	293.4	48,800 *	52.7	305.6	47,600 *										140
150				25.9	264.2	37,900 *	35.1	280.7	43,000 *	46.8	297.0	43,300 *	56.4	305.1	40,600 *							150
160				11.8	233.8	33,900 *	26.3	263.5	38,200 *	40.4	286.3	39,500 *	50.9	297.6	37,000 *							160
170							12.8	234.4	34,100 *	32.9	272.5	36,200 *	44.9	288.4	33,900 *							170
180										23.3	253.4	33,200 *	38.1	276.8	31,100 *	48.7	287.5	28,500 *				180
190										3.2	209.1	30,300 *	30.1	261.8	28,600 *	42.4	277.5	26,200 *				190
200													19.4	239.5	26,300 *	35.3	264.8	24,100 *	46.0	275.1	20,100 *	200
210																26.6	247.8	22,100 *	39.4	264.1	18,400 *	210
220																13.3	219.4	20,300 *	31.8	249.8	16,900 *	220
230																			21.8	229.5	15,400 *	230



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**Liftcrane Luffing Jib Capacities**

Luffing Jib No. 133 or No. 133A On
 Boom No. 44 With Heavy Lift Top
 248,700 Lb. Crane Counterweight
 120,000 Lb. Carbody Counterweight
 360 Degree Rating

Designed And Tested
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 The Scope of ANSI B30.5

M-250 SERIES 3**200 Ft. Boom, 140 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	76.0	345.6	76,000 *b																			50
55	73.9	344.2	74,000 *																			55
60	71.7	342.6	71,800 *																			60
65	69.6	340.8	69,400 *																			65
70	67.3	338.8	66,700 *																			70
75	65.1	336.5	64,000 *																			75
80	62.8	334.0	61,200 *	70.7	340.3	74,300 *																80
85	60.5	331.3	58,300 *	68.5	338.4	71,600 *																85
90	58.1	328.2	55,400 *	66.3	336.2	69,000 *																90
95	55.6	324.9	52,500 *	64.0	333.9	66,500 *																95
100	53.1	321.3	49,700 *	61.7	331.2	64,000 *	66.5	334.8	70,400 *													100
105	50.5	317.2	47,000 *	59.3	328.3	61,700 *	64.2	332.4	67,700 *													105
110	47.7	312.8	44,400 *	56.9	325.2	59,400 *	61.9	329.8	65,100 *													110
115	44.9	308.0	41,900 *	54.4	321.7	57,200 *	59.5	327.0	62,500 *													115
120	41.9	302.6	39,500 *	51.8	317.9	55,100 *	57.1	323.8	60,100 *													120
130	35.2	289.8	35,200 *	46.4	309.0	48,000 *	52.1	316.6	54,900 *	60.6	324.3	52,200 *										130
140	27.2	272.9	31,400 *	40.4	298.2	42,200 *	46.6	307.8	48,400 *	55.7	318.0	47,200 *										140
150	15.7	246.8	28,300 *	33.4	284.7	37,500 *	40.6	297.2	42,500 *	50.6	310.4	42,800 *										150
160				24.9	266.4	33,500 *	33.8	283.7	37,700 *	45.0	301.1	39,000 *	54.1	310.3	36,400 *							160
170				11.3	234.8	30,000 *	25.4	265.7	33,700 *	38.8	289.8	35,700 *	48.9	302.2	33,300 *							170
180							12.3	235.5	30,200 *	31.6	275.4	32,700 *	43.1	292.4	30,500 *	52.2	300.6	27,700 *				180
190										22.5	255.3	30,000 *	36.7	280.2	28,000 *	46.8	291.9	25,400 *				190
200										3.1	209.3	27,400 *	29.0	264.3	25,700 *	40.8	281.2	23,300 *				200
210													18.6	241.1	23,600 *	34.0	267.9	21,400 *	44.2	279.2	17,600 *	210
220																25.6	250.1	19,700 *	37.9	267.5	16,100 *	220
230																12.8	220.5	18,000 *	30.6	252.5	14,700 *	230
240																			20.9	231.3	13,300 *	240



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 248,700 Lb. Crane Counterweight
 120,000 Lb. Carbody Counterweight
 360 Degree Rating

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M-250 SERIES 3**200 Ft. Boom, 150 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
55	75.0	354.6	68,900 *																			55
60	73.0	353.1	67,100 *																			60
65	71.0	351.5	65,100 *																			65
70	68.9	349.6	62,900 *																			70
75	66.9	347.5	60,500 *																			75
80	64.8	345.2	58,100 *																			80
85	62.6	342.7	55,600 *	70.0	349.1	69,000 *																85
90	60.4	339.9	53,100 *	67.9	347.1	66,700 *																90
95	58.2	336.9	50,600 *	65.9	344.9	64,300 *																95
100	55.9	333.6	48,100 *	63.7	342.5	62,000 *																100
105	53.6	330.0	45,600 *	61.6	339.9	59,800 *	66.1	343.5	65,600 *													105
110	51.1	326.1	43,200 *	59.4	337.0	57,700 *	63.9	341.1	63,200 *													110
115	48.6	321.8	40,900 *	57.1	333.8	55,700 *	61.8	338.5	60,900 *													115
120	46.0	317.1	38,700 *	54.8	330.4	53,700 *	59.6	335.6	58,600 *													120
130	40.4	306.3	34,600 *	49.9	322.6	48,300 *	55.0	329.1	54,200 *	62.7	335.8	51,500 *										130
140	34.0	292.8	31,000 *	44.7	313.2	42,500 *	50.2	321.3	48,700 *	58.3	330.0	46,400 *										140
150	26.2	275.3	27,800 *	38.9	301.8	37,700 *	45.0	312.0	42,800 *	53.7	323.1	42,100 *										150
160	15.2	248.1	25,100 *	32.3	287.6	33,700 *	39.2	300.7	38,000 *	48.8	314.9	38,300 *	56.9	322.5	35,600 *							160
170				24.0	268.5	30,200 *	32.6	286.7	33,900 *	43.4	305.2	35,000 *	52.1	315.2	32,500 *							170
180				10.9	235.7	26,400 *	24.5	267.9	30,400 *	37.5	293.2	32,100 *	47.1	306.6	29,700 *							180
190							11.9	236.5	27,400 *	30.5	278.1	29,400 *	41.6	296.2	27,300 *	50.3	305.3	24,700 *				190
200										21.7	257.2	27,100 *	35.4	283.4	25,100 *	45.1	296.1	22,600 *				200
210										3.0	209.5	24,700 *	28.0	266.8	23,000 *	39.3	284.8	20,700 *				210
220													18.0	242.7	21,200 *	32.8	270.9	19,000 *	42.6	283.1	15,300 *	220
230																24.7	252.2	17,400 *	36.6	270.9	14,000 *	230
240																12.3	221.5	15,900 *	29.5	255.2	12,700 *	240
250																			20.2	233.1	11,500 *	250



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248,700 Lb. Crane Counterweight
120,000 Lb. Carbody Counterweight
360 Degree Rating**

**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**

M-250 SERIES 3**200 Ft. Boom, 160 Ft. Jib**

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
55	75.9	365.0	63,900 *																			55
60	74.1	363.6	62,400 *																			60
65	72.2	362.0	60,800 *																			65
70	70.3	360.3	59,000 *																			70
75	68.4	358.4	57,000 *																			75
80	66.5	356.2	55,000 *																			80
85	64.5	353.9	52,800 *																			85
90	62.5	351.4	50,700 *	69.4	357.9	64,000 *																90
95	60.4	348.6	48,500 *	67.5	355.9	61,900 *																95
100	58.3	345.6	46,300 *	65.5	353.6	59,900 *																100
105	56.2	342.3	44,100 *	63.5	351.2	57,800 *	67.6	354.4	63,200 *													105
110	54.0	338.8	41,900 *	61.5	348.6	55,800 *	65.7	352.2	61,000 *													110
115	51.7	334.9	39,800 *	59.4	345.7	53,900 *	63.7	349.8	58,900 *													115
120	49.4	330.7	37,800 *	57.3	342.5	52,100 *	61.7	347.2	56,800 *													120
130	44.5	321.2	34,000 *	52.9	335.4	47,800 *	57.5	341.2	52,800 *													130
140	39.0	309.8	30,500 *	48.2	327.1	42,000 *	53.1	334.1	48,200 *	60.5	341.7	45,600 *										140
150	32.9	295.8	27,400 *	43.2	317.2	37,200 *	48.5	325.9	42,300 *	56.3	335.4	41,300 *										150
160	25.4	277.5	24,700 *	37.6	305.2	33,100 *	43.4	316.0	37,400 *	51.8	328.0	37,500 *										160
170	14.7	249.4	22,400 *	31.2	290.4	29,700 *	37.9	304.2	33,400 *	47.1	319.3	34,200 *	54.9	327.8	31,600 *							170
180				23.2	270.5	26,700 *	31.5	289.5	29,900 *	41.9	309.0	31,300 *	50.4	320.0	28,900 *							180
190				10.6	236.6	23,400 *	23.7	270.0	26,900 *	36.2	296.5	28,700 *	45.5	310.8	26,500 *							190
200							11.5	237.5	24,200 *	29.5	280.7	26,400 *	40.2	299.8	24,300 *	48.6	309.9	21,700 *				200
210										21.0	259.1	24,200 *	34.2	286.4	22,300 *	43.6	300.1	19,900 *				210
220										2.9	209.7	22,100 *	27.1	269.2	20,500 *	38.0	288.3	18,200 *	46.4	297.5	14,400 *	220
230													17.4	244.2	18,800 *	31.7	273.7	16,700 *	41.2	286.9	13,100 *	230
240																23.9	254.4	15,200 *	35.4	274.0	11,800 *	240
250																11.9	222.5	13,800 *	28.5	257.7	10,700 *	250
260																			19.5	234.8	9,600 *	260

**A.I.S.C. Certified Erector****PCI P.C.I. Qualified Erector**

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Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
60	75.0	374.0	58,000 *																			60
65	73.3	372.5	56,600 *																			65
70	71.5	370.9	55,100 *																			70
75	69.7	369.1	53,500 *																			75
80	67.9	367.1	51,800 *																			80
85	66.1	365.0	50,100 *																			85
90	64.2	362.6	48,200 *	70.7	368.6	60,000 *																90
95	62.3	360.0	46,300 *	68.9	366.7	59,300 *																95
100	60.4	357.3	44,400 *	67.0	364.6	58,400 *																100
105	58.4	354.2	42,500 *	65.2	362.3	56,600 *																105
110	56.4	351.0	40,600 *	63.3	359.9	54,700 *	67.2	363.2	58,900 *													110
115	54.4	347.5	38,700 *	61.4	357.2	52,900 *	65.4	360.9	57,000 *													115
120	52.2	343.7	36,800 *	59.4	354.3	51,200 *	63.5	358.5	55,100 *													120
130	47.8	335.2	33,300 *	55.4	347.8	47,800 *	59.6	353.0	51,400 *													130
140	43.1	325.2	30,000 *	51.2	340.3	42,300 *	55.6	346.5	47,800 *	62.4	353.1	45,100 *										140
150	37.8	313.3	27,100 *	46.7	331.4	37,300 *	51.4	339.0	42,600 *	58.5	347.3	40,800 *										150
160	31.8	298.7	24,400 *	41.8	321.0	33,200 *	46.9	330.2	37,600 *	54.5	340.6	37,100 *										160
170	24.6	279.7	22,100 *	36.4	308.5	29,700 *	42.1	319.9	33,400 *	50.2	332.8	33,800 *	57.2	339.9	31,200 *							170
180	14.2	250.6	20,200 *	30.2	293.1	26,600 *	36.7	307.5	29,900 *	45.6	323.6	30,900 *	53.1	332.8	28,500 *							180
190				22.5	272.5	24,000 *	30.5	292.2	26,800 *	40.6	312.7	28,400 *	48.7	324.5	26,100 *							190
200				10.2	237.5	21,000 *	22.9	272.0	24,200 *	35.1	299.7	26,100 *	44.1	314.9	23,900 *	51.5	323.0	21,300 *				200
210							11.1	238.4	21,800 *	28.6	283.3	23,900 *	38.9	303.4	21,900 *	47.0	314.3	19,500 *				210
220										20.3	260.8	22,000 *	33.1	289.4	20,100 *	42.2	304.0	17,800 *				220
230										2.8	209.9	20,100 *	26.2	271.6	18,500 *	36.8	291.7	16,300 *	45.0	301.7	12,700 *	230
240													16.9	245.6	16,900 *	30.7	276.5	14,900 *	39.9	290.6	11,500 *	240
250																23.2	256.4	13,600 *	34.3	277.1	10,300 *	250
260																11.5	223.5	12,300 *	27.6	260.2	9,300 *	260
270																			18.9	236.4	8,200 *	270

**A.I.S.C. Certified Erector****PCI P.C.I. Qualified Erector**