

MANITOWOC ENGINEERING CO.

Division of the Manitowoc Company, Inc. Manitowoc, Wisconsin 54220



M-1200

LIFTCRANE JIB CAPACITIES

**JIB NO. 75 WITH 82'6" STRUT ON
BOOM NO. 72 OR NO. 72A WITH 1,433 TON BOOM POINT
MAST NO. 75 OR NO. 75A
60' RINGER ATTACHMENT ON SCREW JACK PEDESTALS
52,000 LB. CRANE COUNTERWEIGHT
1,753,600 LB. AUXILIARY COUNTERWEIGHT
360 DEGREE RATING**

CAPACITIES FOR VARIOUS BOOM LENGTHS, JIB LENGTHS AND 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 (*).

WEIGHT OF ALL LOAD BLOCKS, HOOKS, SLINGS, HOIST LINES, ETC., BENEATH JIB POINT SHEAVES, IS CONSIDERED PART OF JIB LOAD. 138,000 LB. MAIN BOOM LOAD (WEIGHT OF LOWER BOOM POINT HANGER FRAME, ALL LOAD BLOCKS, HOOKS, SLINGS, HOIST LINES, ETC. BENEATH MAIN BOOM POINT SHEAVES) AND 13,500 LB. UPPER BOOM POINT LOAD (WEIGHT OF ALL LOAD BLOCKS, HOOKS, WEIGHT BALLS, SLINGS, HOIST LINES, ETC. BENEATH UPPER BOOM POINT SHEAVES) HAVE BEEN INCLUDED IN CAPACITY DETERMINATION. DO NOT USE THIS CHART IF TOTAL MAIN BOOM LOAD EXCEEDS 138,000 LBS. OR UPPER BOOM POINT LOAD EXCEEDS 13,500 LBS. BOOM AND 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.

MACHINE TO OPERATE IN A LEVEL POSITION ON A FIRM UNIFORMLY SUPPORTING SURFACE WITH ROLLER PATH LEVEL WITHIN A TOLERANCE OF 1-1/4" IN 60' AND PROPERLY SUPPORTED. REFER TO BOOM RIGGING NO. 173399, NO. 175673 OR NO. 175955, JIB ASSEMBLY NO. 173400 OR NO. 176116 AND WIRE ROPE SPECIFICATION CHART NO. 7683-F. CRANE OPERATOR JUDGMENT MUST BE USED TO ALLOW FOR DYNAMIC LOAD EFFECTS OF SWINGING, HOISTING OR LOWERING, WIND CONDITIONS, AS WELL AS ADVERSE OPERATING CONDITIONS AND PHYSICAL MACHINE DEPRECIATION.

MACHINE MAY BE OPERATED IN WINDS UP TO 30 MPH PROVIDED CRANE OPERATOR JUDGMENT IS USED TO ALLOW FOR WIND EFFECT ON THE LIFTED LOAD AND OTHER CONSIDERATIONS NOTED ON CAPACITY CHART ARE FOLLOWED. WIND WILL HAVE A CONSIDERABLE EFFECT ON A LOAD WITH A LARGE 'SAIL AREA' AND MUST BE COMPENSATED FOR ACCORDINGLY BY REDUCING LOAD RATINGS, REDUCING OPERATING SPEEDS OR BY A COMBINATION OF BOTH. RECOMMEND STOPPING OPERATION AND LOWERING BOOM AND JIB TO APPROXIMATELY 75 DEGREE BOOM ANGLE WHEN WIND EXCEEDS 30 MPH. LOWER BOOM AND JIB TO GROUND WHEN WIND IS ABOVE 50 MPH.

OPERATING RADIUS IS HORIZONTAL DISTANCE FROM AXIS OF ROTATION TO CENTER OF VERTICAL HOIST LINE OR LOAD BLOCK. BOOM ANGLE IS ANGLE BETWEEN HORIZONTAL AND CENTERLINE OF BOOM BUTT AND INSERTS AND IS AN INDICATION OF OPERATING RADIUS. IN ALL CASES, OPERATING RADIUS SHALL GOVERN CAPACITY. JIB POINT ELEVATION IS VERTICAL DISTANCE FROM GROUND LEVEL TO CENTERLINE OF JIB POINT SHAFT.

MACHINE EQUIPPED WITH 60' RINGER ATTACHMENT, 30'9" CRAWLERS, 48" TREADS, 28' RETRACTABLE GANTRY, 150' NO. 75 MAST WITH 32 PART BOOM HOIST REEVING OR NO. 75A MAST WITH 36 PART BOOM HOIST REEVING, STRAP BOOM PENDANTS, STRAP JIB PENDANTS AND BACKSTAYS, 52,000 LB. CRANE COUNTERWEIGHT AND 1,753,600 LB. AUXILIARY COUNTERWEIGHT.

MAXIMUM BOOM AND JIB LENGTHS LIFTED UNASSISTED	
BOOM LGTH.	JIB NO. 75
253'	125'
228'	175'
203'	225'
LOAD BLOCKS ON GROUND AT START.	

UPPER BOOM POINT CANNOT BE USED ON BOOM NO. 72.

WARNING: CHECK AMOUNT OF AUXILIARY COUNTERWEIGHT ON MACHINE BEFORE USE OF THIS CHART.

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60' RINGER ATTACHMENT ON SCREW JACK PEDESTALS
52,000 LB. CRANE COUNTERWEIGHT
1,753,600 LB. AUXILIARY COUNTERWEIGHT
360 DEGREE RATING

100 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	8 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	
203	75	85.3	315.2	1,721,900*				75
	80	84.3	314.3	1,604,700				80
	85	83.4	313.4	1,443,900				85
	90	82.4	312.5	1,308,600				90
	95	81.5	311.4	1,193,400	85.1	307.8	797,100*	95
	100	80.5	310.2	1,093,900	84.2	306.6	767,300*	100
	105	79.6	309.0	1,007,300	83.2	305.3	739,500*	105
	110	78.6	307.6	931,100	82.2	304.0	713,500*	110
	115	77.6	306.2	863,500	81.2	302.5	689,100*	115
	120	76.7	304.7	803,200	80.2	301.0	666,300*	120
	125	75.7	303.1	749,100	79.3	299.4	644,900*	125
	130	74.7	301.4	700,200	78.3	297.6	624,700*	130
	135	73.7	299.6	655,800	77.2	295.8	605,700*	135
	140	72.7	297.7	615,300	76.2	293.9	587,700*	140
	145	71.7	295.7	578,300	75.2	291.8	570,700*	145
	150	70.7	293.5	544,200	74.2	289.7	554,500*	150
	155	69.7	291.3	512,800	73.2	287.5	539,300*	155
	160	68.6	289.0	483,700	72.1	285.1	509,600	160
	165	67.6	286.6	456,800	71.1	282.6	481,400	165
	170	66.6	284.0	431,700	70.0	280.0	455,100	170
	175	65.5	281.4	408,200	68.9	277.3	430,600	175
	180	64.4	278.6	386,300	67.9	274.5	407,700	180
	185	63.4	275.7	365,800	66.8	271.6	386,200	185
	190	62.3	272.6	346,500	65.6	268.5	365,900	190
	195	61.2	269.5	328,300	64.5	265.3	346,900	195
	200	60.0	266.2	311,100	63.4	261.9	328,900	200
	210	57.8	259.1	279,600	61.1	254.7	295,800	210
	220	55.4	251.5	251,300	58.7	246.9	266,000	220
	230	53.0	243.1	225,600	56.2	238.4	239,000	230
	240	50.5	234.0	202,300	53.6	229.1	214,400	240
	250	47.8	224.0	181,000	50.9	218.9	191,800	250
	260	45.1	213.1	161,400	48.1	207.7	171,000	260
	270	42.1	201.0	143,300	45.1	195.2	151,800	270
	280	39.0	187.4	126,500	41.8	181.2	133,800	280
	290	35.6	172.2	110,800	38.3	165.3	116,900	290
	300				34.3	146.9	100,900	300

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52,000 LB. CRANE COUNTERWEIGHT
1,753,600 LB. AUXILIARY COUNTERWEIGHT
360 DEGREE RATING

100 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	8 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	
2 2 8	75	85.6	340.4	1,744,600*				75
	80	84.8	339.6	1,598,600				80
	85	83.9	338.8	1,437,100				85
	90	83.0	337.9	1,301,300				90
	95	82.1	336.9	1,185,500	85.5	333.1	846,600*	95
	100	81.3	335.8	1,085,700	84.6	332.1	816,800*	100
	105	80.4	334.7	998,700	83.7	330.9	788,900*	105
	110	79.5	333.4	922,100	82.8	329.6	762,700*	110
	115	78.6	332.1	854,300	81.9	328.3	738,200*	115
	120	77.7	330.7	793,800	81.0	326.9	715,000*	120
	125	76.8	329.3	739,400	80.1	325.4	693,300*	125
	130	75.9	327.7	690,300	79.2	323.8	672,700*	130
	135	75.0	326.0	645,700	78.3	322.1	653,200*	135
	140	74.1	324.3	605,100	77.3	320.4	634,800*	140
	145	73.1	322.5	567,900	76.4	318.5	600,400	145
	150	72.2	320.5	533,700	75.5	316.6	564,600	150
	155	71.3	318.5	502,200	74.5	314.5	531,600	155
	160	70.4	316.4	473,000	73.6	312.4	501,100	160
	165	69.4	314.2	445,900	72.6	310.1	472,700	165
	170	68.5	311.9	420,700	71.7	307.8	446,300	170
	175	67.5	309.5	397,200	70.7	305.3	421,700	175
	180	66.5	306.9	375,200	69.7	302.8	398,600	180
	185	65.6	304.3	354,600	68.7	300.1	377,000	185
	190	64.6	301.6	335,200	67.7	297.3	356,700	190
	195	63.6	298.7	316,900	66.7	294.5	337,500	195
	200	62.6	295.8	299,700	65.7	291.5	319,500	200
	210	60.6	289.5	268,100	63.6	285.1	286,200	210
	220	58.5	282.7	239,700	61.5	278.1	256,300	220
	230	56.3	275.3	214,000	59.3	270.6	229,200	230
	240	54.1	267.3	190,700	57.1	262.5	204,600	240
	250	51.8	258.7	169,300	54.8	253.7	182,000	250
	260	49.5	249.4	149,700	52.4	244.2	161,300	260
	270	47.0	239.2	131,700	49.8	233.8	142,100	270
	280	44.4	228.1	115,000	47.2	222.4	124,300	280
	290				44.4	209.8	107,600	290

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		BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	
2 5 3	75	85.9	365.6	1,671,700*				75
	80	85.1	364.9	1,593,100				80
	85	84.3	364.1	1,430,900				85
	90	83.5	363.2	1,294,500				90
	95	82.7	362.3	1,178,200	85.8	358.4	874,700*	95
	100	81.9	361.3	1,077,900	85.0	357.4	846,300*	100
	105	81.1	360.3	990,500	84.2	356.4	819,600*	105
	110	80.2	359.1	913,700	83.3	355.2	794,600*	110
	115	79.4	357.9	845,600	82.5	354.0	771,000*	115
	120	78.6	356.6	784,800	81.7	352.7	748,800*	120
	125	77.7	355.3	730,200	80.8	351.3	727,700*	125
	130	76.9	353.8	680,900	80.0	349.8	707,800*	130
	135	76.1	352.3	636,100	79.1	348.3	674,800	135
	140	75.2	350.7	595,300	78.3	346.6	632,000	140
	145	74.4	349.0	558,000	77.4	344.9	592,900	145
	150	73.5	347.2	523,600	76.6	343.1	556,900	150
	155	72.7	345.3	492,000	75.7	341.3	523,700	155
	160	71.8	343.4	462,700	74.8	339.3	493,000	160
	165	70.9	341.4	435,500	74.0	337.2	464,400	165
	170	70.1	339.3	410,200	73.1	335.1	437,900	170
	175	69.2	337.0	386,600	72.2	332.8	413,100	175
	180	68.3	334.7	364,500	71.3	330.5	389,900	180
	185	67.4	332.3	343,800	70.4	328.1	368,100	185
	190	66.5	329.8	324,300	69.5	325.6	347,700	190
	195	65.6	327.3	306,000	68.6	322.9	328,500	195
	200	64.7	324.6	288,800	67.6	320.2	310,300	200
	210	62.9	318.9	257,000	65.8	314.4	276,900	210
	220	61.0	312.7	228,500	63.9	308.2	246,800	220
	230	59.1	306.1	202,800	61.9	301.5	219,700	230
	240	57.1	299.0	179,400	59.9	294.2	194,900	240
	250	55.1	291.4	158,000	57.8	286.5	172,300	250
	260	53.0	283.1	138,400	55.7	278.1	151,600	260
	270	50.9	274.3	120,300	53.5	269.0	132,400	270
	280	48.6	264.7	103,600	51.3	259.3	114,600	280

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		BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	
203	80	85.2	339.7	1,582,100*				80
	85	84.4	338.9	1,455,700				85
	90	83.5	338.0	1,320,000				90
	95	82.6	337.0	1,204,400				95
	100	81.7	335.9	1,104,600				100
	105	80.8	334.8	1,017,700	85.2	330.6	706,400*	105
	110	80.0	333.5	941,200	84.3	329.3	680,800*	110
	115	79.1	332.2	873,500	83.4	328.0	656,900*	115
	120	78.2	330.8	813,000	82.5	326.6	634,500*	120
	125	77.3	329.3	758,700	81.6	325.1	613,400*	125
	130	76.4	327.8	709,600	80.7	323.5	593,500*	130
	135	75.5	326.1	665,100	79.8	321.8	574,800*	135
	140	74.6	324.4	624,600	78.9	320.0	557,200*	140
	145	73.6	322.5	587,400	77.9	318.2	540,500*	145
	150	72.7	320.6	553,300	77.0	316.2	524,600*	150
	155	71.8	318.6	521,800	76.0	314.2	509,600*	155
	160	70.8	316.5	492,600	75.1	312.0	495,400*	160
	165	69.9	314.3	465,600	74.1	309.8	481,800*	165
	170	69.0	311.9	440,400	73.2	307.4	468,900*	170
	175	68.0	309.5	417,000	72.2	305.0	445,600	175
	180	67.0	307.0	395,000	71.2	302.4	422,500	180
	185	66.1	304.4	374,400	70.2	299.8	400,800	185
	190	65.1	301.7	355,100	69.2	297.0	380,400	190
	195	64.1	298.8	336,900	68.2	294.1	361,200	195
	200	63.1	295.8	319,700	67.2	291.1	343,000	200
	210	61.0	289.6	288,200	65.1	284.7	309,600	210
	220	59.0	282.8	259,800	63.0	277.7	279,600	220
	230	56.8	275.4	234,200	60.8	270.2	252,400	230
	240	54.6	267.4	210,900	58.6	262.1	227,700	240
	250	52.3	258.8	189,700	56.3	253.3	205,000	250
	260	50.0	249.5	170,100	53.8	243.7	184,200	260
	270	47.5	239.3	152,100	51.3	233.3	165,000	270
	280	44.9	228.2	135,500	48.7	221.9	147,100	280
	290	42.2	216.0	120,000	45.9	209.3	130,400	290
	300	39.3	202.5	105,500	42.9	195.3	114,700	300

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125 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	8 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	
2 2 8	80	85.6	364.9	1,601,900*				80
	85	84.8	364.1	1,449,200				85
	90	84.0	363.3	1,312,900				90
	95	83.1	362.4	1,196,700				95
	100	82.3	361.4	1,096,500				100
	105	81.5	360.3	1,009,200	85.6	355.9	743,200*	105
	110	80.7	359.2	932,400	84.7	354.8	718,400*	110
	115	79.9	358.0	864,300	83.9	353.6	695,100*	115
	120	79.0	356.7	803,600	83.1	352.3	673,200*	120
	125	78.2	355.3	749,000	82.2	350.9	652,600*	125
	130	77.4	353.9	699,800	81.4	349.4	633,200*	130
	135	76.5	352.3	655,100	80.5	347.8	614,800*	135
	140	75.7	350.7	614,300	79.7	346.2	597,400*	140
	145	74.8	349.0	577,000	78.8	344.5	580,900*	145
	150	74.0	347.3	542,700	78.0	342.7	565,300*	150
	155	73.1	345.4	511,100	77.1	340.8	548,400	155
	160	72.3	343.5	481,800	76.2	338.9	517,500	160
	165	71.4	341.4	454,700	75.3	336.8	488,800	165
	170	70.5	339.3	429,400	74.5	334.6	462,100	170
	175	69.7	337.1	405,800	73.6	332.4	437,200	175
	180	68.8	334.8	383,800	72.7	330.1	413,800	180
	185	67.9	332.4	363,100	71.8	327.6	392,000	185
	190	67.0	329.9	343,700	70.9	325.1	371,400	190
	195	66.1	327.3	325,400	69.9	322.5	352,100	195
	200	65.2	324.6	308,200	69.0	319.7	333,800	200
	210	63.3	318.9	276,500	67.1	313.9	300,300	210
	220	61.4	312.8	248,100	65.2	307.7	270,100	220
	230	59.5	306.2	222,400	63.3	301.0	242,700	230
	240	57.6	299.1	199,000	61.3	293.7	217,900	240
	250	55.5	291.4	177,700	59.2	285.9	195,200	250
	260	53.5	283.2	158,200	57.1	277.5	174,300	260
	270	51.3	274.3	140,200	54.9	268.5	155,000	270
	280	49.1	264.8	123,500	52.6	258.7	137,200	280
	290	46.8	254.4	108,000	50.3	248.1	120,500	290
	300				47.8	236.5	105,000	300

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60' RINGER ATTACHMENT ON SCREW JACK PEDESTALS
52,000 LB. CRANE COUNTERWEIGHT
1,753,600 LB. AUXILIARY COUNTERWEIGHT
360 DEGREE RATING

125 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	8 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB ELEV. FEET	JIB CAPACITY POUNDS	BOOM ANG. DEG.	JIB ELEV. FEET	JIB CAPACITY POUNDS	
2 5 3	80	85.9	390.1	1,552,800*				80
	85	85.1	389.4	1,443,300				85
	90	84.4	388.6	1,306,400				90
	95	83.6	387.8	1,189,700				95
	100	82.8	386.8	1,089,000				100
	105	82.1	385.8	1,001,300	85.9	381.3	754,400*	105
	110	81.3	384.8	924,100	85.1	380.2	730,600*	110
	115	80.5	383.6	855,800	84.3	379.1	708,100*	115
	120	79.8	382.4	794,800	83.5	377.8	687,000*	120
	125	79.0	381.2	740,000	82.8	376.5	667,000*	125
	130	78.2	379.8	690,500	82.0	375.2	648,100*	130
	135	77.4	378.4	645,600	81.2	373.7	630,200*	135
	140	76.7	376.9	604,600	80.4	372.2	613,200*	140
	145	75.9	375.3	567,100	79.6	370.6	597,000*	145
	150	75.1	373.7	532,700	78.8	369.0	574,700	150
	155	74.3	372.0	500,900	78.0	367.2	541,000	155
	160	73.5	370.2	471,500	77.2	365.4	509,900	160
	165	72.7	368.3	444,300	76.4	363.5	481,000	165
	170	71.9	366.3	418,900	75.6	361.5	454,100	170
	175	71.1	364.3	395,200	74.7	359.4	429,000	175
	180	70.3	362.2	373,100	73.9	357.3	405,600	180
	185	69.4	360.0	352,300	73.1	355.1	383,600	185
	190	68.6	357.7	332,800	72.2	352.7	362,900	190
	195	67.8	355.3	314,500	71.4	350.3	343,400	195
	200	66.9	352.8	297,200	70.6	347.8	325,000	200
	210	65.3	347.6	265,400	68.8	342.5	291,200	210
	220	63.5	342.0	236,800	67.1	336.8	260,800	220
	230	61.8	336.0	211,000	65.3	330.7	233,400	230
	240	60.0	329.5	187,600	63.5	324.1	208,400	240
	250	58.2	322.6	166,200	61.7	317.1	185,600	250
	260	56.3	315.2	146,600	59.8	309.6	164,600	260
	270	54.4	307.3	128,500	57.8	301.6	145,300	270
	280	52.4	298.9	111,900	55.8	292.9	127,400	280
	290				53.7	283.6	110,700	290

MANITOWOC ENGINEERING CO.

Division of the Manitowoc Company, Inc. Manitowoc, Wisconsin 54220



LIFTCRANE JIB CAPACITIES

M-1200

JIB NO. 75 WITH 82'6" STRUT ON
BOOM NO. 72 OR NO. 72A WITH 1,433 TON BOOM POINT
MAST NO. 75 OR NO. 75A
60' RINGER ATTACHMENT ON SCREW JACK PEDESTALS
52,000 LB. CRANE COUNTERWEIGHT
1,753,600 LB. AUXILIARY COUNTERWEIGHT
360 DEGREE RATING

150 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	8 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	
203	85	85.3	364.2	1,352,300*				85
	90	84.5	363.3	1,270,100*				90
	95	83.7	362.4	1,196,800*				95
	100	82.9	361.4	1,114,900				100
	105	82.1	360.3	1,027,700				105
	110	81.2	359.2	950,900				110
	115	80.4	358.0	882,900	85.4	353.3	627,600*	115
	120	79.6	356.7	822,300	84.5	352.0	605,600*	120
	125	78.8	355.3	767,800	83.7	350.6	585,000*	125
	130	77.9	353.9	718,600	82.8	349.1	565,600*	130
	135	77.1	352.4	673,900	82.0	347.6	547,300*	135
	140	76.2	350.7	633,200	81.1	346.0	530,100*	140
	145	75.4	349.1	595,900	80.3	344.2	513,700*	145
	150	74.5	347.3	561,700	79.4	342.4	498,300*	150
	155	73.7	345.4	530,100	78.5	340.6	483,600*	155
	160	72.8	343.5	500,900	77.7	338.6	469,700*	160
	165	72.0	341.4	473,800	76.8	336.5	456,400*	165
	170	71.1	339.3	448,500	75.9	334.4	443,800*	170
	175	70.2	337.1	425,000	75.0	332.1	431,800*	175
	180	69.3	334.8	403,000	74.1	329.8	420,300*	180
	185	68.4	332.4	382,400	73.2	327.4	409,400*	185
	190	67.5	329.9	363,000	72.3	324.8	392,700	190
	195	66.6	327.3	344,700	71.4	322.2	373,300	195
	200	65.7	324.6	327,500	70.5	319.5	355,000	200
	210	63.9	318.9	295,900	68.6	313.7	321,400	210
	220	62.0	312.8	267,500	66.7	307.4	291,100	220
	230	60.1	306.2	241,900	64.7	300.7	263,700	230
	240	58.1	299.1	218,600	62.7	293.4	238,800	240
	250	56.1	291.4	197,300	60.6	285.6	216,000	250
	260	54.0	283.2	177,800	58.5	277.2	195,100	260
	270	51.9	274.4	159,900	56.3	268.2	175,800	270
	280	49.7	264.8	143,300	54.1	258.3	157,900	280
	290	47.3	254.4	127,900	51.7	247.7	141,300	290
	300	44.9	243.2	113,500	49.2	236.1	125,700	300
	310	42.4	230.9	100,100	46.6	223.4	111,000	310

MANITOWOC ENGINEERING CO.

Division of the Manitowoc Company, Inc. Manitowoc, Wisconsin 54220



LIFTCRANE JIB CAPACITIES

M-1200

JIB NO. 75 WITH 82'6" STRUT ON
BOOM NO. 72 OR NO. 72A WITH 1,433 TON BOOM POINT
MAST NO. 75 OR NO. 75A
60' RINGER ATTACHMENT ON SCREW JACK PEDESTALS
52,000 LB. CRANE COUNTERWEIGHT
1,753,600 LB. AUXILIARY COUNTERWEIGHT
360 DEGREE RATING

150 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	8 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB ELEV. FEET	JIB CAPACITY POUNDS	BOOM ANG. DEG.	JIB ELEV. FEET	JIB CAPACITY POUNDS	
2 2 8	85	85.6	389.4	1,438,000*				85
	90	84.9	388.6	1,324,500				90
	95	84.1	387.8	1,207,900				95
	100	83.4	386.8	1,107,300				100
	105	82.6	385.8	1,019,600				105
	110	81.8	384.8	942,500				110
	115	81.1	383.6	874,200	85.7	378.7	643,100*	115
	120	80.3	382.4	813,200	84.9	377.5	622,300*	120
	125	79.5	381.2	758,400	84.1	376.2	602,600*	125
	130	78.7	379.8	709,000	83.3	374.8	584,100*	130
	135	78.0	378.4	664,100	82.5	373.4	566,600*	135
	140	77.2	376.9	623,200	81.7	371.9	550,100*	140
	145	76.4	375.3	585,800	81.0	370.3	534,400*	145
	150	75.6	373.7	551,400	80.2	368.6	519,500*	150
	155	74.8	372.0	519,600	79.3	366.9	505,400*	155
	160	74.0	370.2	490,300	78.5	365.1	491,900*	160
	165	73.2	368.3	463,000	77.7	363.1	479,100*	165
	170	72.4	366.3	437,700	76.9	361.2	466,900*	170
	175	71.6	364.3	414,000	76.1	359.1	450,700	175
	180	70.8	362.2	391,900	75.3	356.9	427,200	180
	185	70.0	360.0	371,200	74.4	354.7	405,100	185
	190	69.1	357.7	351,700	73.6	352.4	384,300	190
	195	68.3	355.3	333,400	72.7	349.9	364,800	195
	200	67.5	352.8	316,100	71.9	347.4	346,300	200
	210	65.8	347.6	284,300	70.2	342.1	312,400	210
	220	64.1	342.0	255,800	68.4	336.4	281,900	220
	230	62.3	336.0	230,100	66.7	330.3	254,300	230
	240	60.5	329.5	206,700	64.8	323.7	229,300	240
	250	58.7	322.6	185,400	63.0	316.7	206,400	250
	260	56.8	315.2	165,800	61.1	309.2	185,300	260
	270	54.9	307.3	147,800	59.1	301.1	165,900	270
	280	53.0	298.9	131,200	57.1	292.5	148,000	280
	290	50.9	289.8	115,700	55.1	283.2	131,300	290
	300	48.8	280.0	101,400	52.9	273.2	115,700	300
	310				50.7	262.4	101,100	310

MANITOWOC ENGINEERING CO.

Division of the Manitowoc Company, Inc. Manitowoc, Wisconsin 54220



LIFTCRANE JIB CAPACITIES

M-1200

JIB NO. 75 WITH 82'6" STRUT ON
BOOM NO. 72 OR NO. 72A WITH 1,433 TON BOOM POINT
MAST NO. 75 OR NO. 75A
60' RINGER ATTACHMENT ON SCREW JACK PEDESTALS
52,000 LB. CRANE COUNTERWEIGHT
1,753,600 LB. AUXILIARY COUNTERWEIGHT
360 DEGREE RATING

175 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	8 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	
203	90	85.4	388.6	1,159,300*				90
	95	84.6	387.8	1,091,200*				95
	100	83.9	386.9	1,030,100*				100
	105	83.1	385.9	975,000*				105
	110	82.3	384.8	925,100*				110
	115	81.6	383.7	879,600*				115
	120	80.8	382.5	830,900	86.1	377.7	578,300*	120
	125	80.0	381.2	776,200	85.3	376.4	558,400*	125
	130	79.3	379.8	726,800	84.5	375.0	539,700*	130
	135	78.5	378.4	682,000	83.7	373.6	522,100*	135
	140	77.7	376.9	641,100	82.9	372.0	505,500*	140
	145	76.9	375.4	603,700	82.1	370.5	489,800*	145
	150	76.1	373.7	569,400	81.3	368.8	474,900*	150
	155	75.3	372.0	537,700	80.5	367.0	460,800*	155
	160	74.5	370.2	508,400	79.7	365.2	447,400*	160
	165	73.7	368.3	481,200	78.9	363.3	434,700*	165
	170	72.9	366.4	455,900	78.1	361.3	422,600*	170
	175	72.1	364.3	432,300	77.3	359.3	411,100*	175
	180	71.3	362.2	410,200	76.4	357.1	400,100*	180
	185	70.5	360.0	389,500	75.6	354.9	389,700*	185
	190	69.7	357.7	370,100	74.8	352.5	379,600*	190
	195	68.8	355.3	351,800	73.9	350.1	370,100*	195
	200	68.0	352.8	334,500	73.1	347.6	360,900*	200
	210	66.3	347.6	302,800	71.3	342.3	331,300	210
	220	64.6	342.0	274,400	69.6	336.6	301,000	220
	230	62.8	336.0	248,700	67.8	330.5	273,500	230
	240	61.1	329.6	225,400	66.0	323.9	248,500	240
	250	59.2	322.7	204,100	64.2	316.9	225,700	250
	260	57.4	315.3	184,600	62.3	309.4	204,800	260
	270	55.5	307.4	166,600	60.3	301.3	185,500	270
	280	53.5	298.9	150,100	58.3	292.7	167,600	280
	290	51.5	289.8	134,700	56.2	283.4	151,000	290
	300	49.4	280.1	120,400	54.1	273.4	135,500	300
	310	47.2	269.6	107,000	51.8	262.6	121,000	310
	320				49.5	250.9	107,300	320

MANITOWOC ENGINEERING CO.

Division of the Manitowoc Company, Inc. Manitowoc, Wisconsin 54220



LIFTCRANE JIB CAPACITIES

M-1200

JIB NO. 75 WITH 82'6" STRUT ON
BOOM NO. 72 OR NO. 72A WITH 1,433 TON BOOM POINT
MAST NO. 75 OR NO. 75A
60' RINGER ATTACHMENT ON SCREW JACK PEDESTALS
52,000 LB. CRANE COUNTERWEIGHT
1,753,600 LB. AUXILIARY COUNTERWEIGHT
360 DEGREE RATING

175 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	8 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	
2 2 8	90	85.7	413.9	1,237,500*				90
	95	85.0	413.1	1,167,200*				95
	100	84.3	412.2	1,104,100*				100
	105	83.5	411.3	1,046,900*				105
	110	82.8	410.3	952,000				110
	115	82.1	409.2	883,400				115
	120	81.4	408.1	822,200				120
	125	80.7	406.9	767,200	85.6	401.8	569,600*	125
	130	79.9	405.6	717,600	84.8	400.5	551,500*	130
	135	79.2	404.3	672,500	84.1	399.2	534,300*	135
	140	78.5	402.9	631,500	83.4	397.8	518,100*	140
	145	77.7	401.5	593,900	82.6	396.3	502,700*	145
	150	77.0	399.9	559,300	81.9	394.7	488,100*	150
	155	76.3	398.3	527,500	81.1	393.1	474,300*	155
	160	75.5	396.6	498,000	80.4	391.4	461,100*	160
	165	74.8	394.9	470,700	79.6	389.6	448,500*	165
	170	74.0	393.1	445,200	78.9	387.8	436,600*	170
	175	73.3	391.2	421,500	78.1	385.9	425,200*	175
	180	72.5	389.2	399,300	77.3	383.9	414,300*	180
	185	71.8	387.1	378,500	76.6	381.8	403,900*	185
	190	71.0	385.0	359,000	75.8	379.6	393,900*	190
	195	70.2	382.8	340,600	75.0	377.4	375,400	195
	200	69.5	380.5	323,300	74.2	375.0	356,900	200
	210	67.9	375.7	291,400	72.6	370.2	322,800	210
	220	66.3	370.5	262,900	71.0	364.9	292,200	220
	230	64.7	365.0	237,000	69.4	359.3	264,400	230
	240	63.1	359.1	213,600	67.7	353.3	239,300	240
	250	61.4	352.8	192,200	66.0	346.9	216,300	250
	260	59.7	346.1	172,600	64.3	340.0	195,200	260
	270	58.0	338.9	154,600	62.5	332.8	175,700	270
	280	56.2	331.3	138,000	60.7	325.0	157,800	280
	290	54.4	323.2	122,600	58.9	316.7	141,100	290
	300	52.5	314.5	108,200	57.0	307.8	125,500	300
	310				55.0	298.3	111,000	310

MANITOWOC ENGINEERING CO.

Division of the Manitowoc Company, Inc. Manitowoc, Wisconsin 54220



LIFTCRANE JIB CAPACITIES

M-1200

JIB NO. 75 WITH 82'6" STRUT ON
BOOM NO. 72 OR NO. 72A WITH 1,433 TON BOOM POINT
MAST NO. 75 OR NO. 75A
60' RINGER ATTACHMENT ON SCREW JACK PEDESTALS
52,000 LB. CRANE COUNTERWEIGHT
1,753,600 LB. AUXILIARY COUNTERWEIGHT
360 DEGREE RATING

200 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	8 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	
200	95	85.5	413.1	1,004,200*				95
	100	84.8	412.2	947,400*				100
	105	84.1	411.3	896,200*				105
	110	83.4	410.3	849,700*				110
	115	82.6	409.2	807,400*				115
	120	81.9	408.1	768,700*				120
	125	81.2	406.9	733,200*				125
	130	80.5	405.7	700,400*				130
	135	79.8	404.3	670,100*	85.4	399.1	486,600*	135
	140	79.0	402.9	642,100*	84.7	397.7	470,500*	140
	145	78.3	401.5	610,300	84.0	396.2	455,300*	145
	150	77.6	399.9	575,800	83.2	394.6	440,900*	150
	155	76.8	398.3	543,900	82.5	393.0	427,300*	155
	160	76.1	396.7	514,500	81.7	391.3	414,300*	160
	165	75.3	394.9	487,200	80.9	389.5	402,000*	165
	170	74.6	393.1	461,800	80.2	387.7	390,300*	170
	175	73.8	391.2	438,100	79.4	385.8	379,100*	175
	180	73.1	389.2	415,900	78.7	383.8	368,400*	180
	185	72.3	387.2	395,100	77.9	381.7	358,200*	185
	190	71.5	385.0	375,600	77.1	379.5	348,500*	190
	195	70.8	382.8	357,300	76.3	377.3	339,200*	195
	200	70.0	380.5	339,900	75.5	374.9	330,200*	200
	210	68.4	375.7	308,100	74.0	370.0	313,400*	210
	220	66.9	370.5	279,600	72.3	364.8	298,000*	220
	230	65.2	365.0	253,800	70.7	359.2	281,300	230
	240	63.6	359.1	230,400	69.1	353.2	256,200	240
	250	61.9	352.8	209,100	67.4	346.8	233,300	250
	260	60.3	346.1	189,500	65.6	339.9	212,200	260
	270	58.5	339.0	171,600	63.9	332.6	192,800	270
	280	56.8	331.3	155,000	62.1	324.9	174,900	280
	290	54.9	323.2	139,600	60.2	316.5	158,200	290
	300	53.1	314.5	125,300	58.3	307.7	142,700	300
	310	51.2	305.2	111,900	56.3	298.2	128,200	310
	320				54.3	288.0	114,600	320
	330				52.2	277.0	101,800	330

MANITOWOC ENGINEERING CO.

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LIFTCRANE JIB CAPACITIES

M-1200

JIB NO. 75 WITH 82'6" STRUT ON
BOOM NO. 72 OR NO. 72A WITH 1,433 TON BOOM POINT
MAST NO. 75 OR NO. 75A
60' RINGER ATTACHMENT ON SCREW JACK PEDESTALS
52,000 LB. CRANE COUNTERWEIGHT
1,753,600 LB. AUXILIARY COUNTERWEIGHT
360 DEGREE RATING

225 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	8 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	
203	100	85.6	437.6	893,900*				100
	105	84.9	436.7	844,300*				105
	110	84.2	435.7	799,400*				110
	115	83.6	434.8	758,600*				115
	120	82.9	433.7	721,200*				120
	125	82.2	432.6	687,000*				125
	130	81.5	431.4	655,500*				130
	135	80.8	430.1	626,300*				135
	140	80.1	428.8	599,300*				140
	145	79.5	427.5	574,200*	85.5	421.9	415,000*	145
	150	78.8	426.0	550,900*	84.8	420.4	401,400*	150
	155	78.1	424.5	529,100*	84.1	418.9	388,600*	155
	160	77.4	423.0	508,600	83.4	417.3	376,400*	160
	165	76.7	421.3	489,500	82.7	415.6	364,800*	165
	170	76.0	419.6	465,800	82.0	413.9	353,700*	170
	175	75.3	417.8	442,100	81.3	412.1	343,200*	175
	180	74.6	416.0	419,900	80.6	410.2	333,200*	180
	185	73.9	414.1	399,100	79.9	408.3	323,600*	185
	190	73.2	412.1	379,500	79.1	406.3	314,400*	190
	195	72.4	410.0	361,200	78.4	404.2	305,600*	195
	200	71.7	407.9	343,800	77.7	402.0	297,200*	200
	210	70.3	403.4	312,000	76.2	397.5	281,400*	210
	220	68.8	398.6	283,400	74.7	392.6	266,800*	220
	230	67.3	393.5	257,600	73.2	387.4	253,300*	230
	240	65.8	388.1	234,200	71.7	381.8	240,800*	240
	250	64.3	382.2	212,900	70.1	375.9	229,100*	250
	260	62.7	376.1	193,300	68.5	369.7	218,200*	260
	270	61.1	369.5	175,400	66.9	363.0	200,000	270
	280	59.5	362.6	158,800	65.3	355.9	182,000	280
	290	57.8	355.2	143,400	63.6	348.3	165,300	290
	300	56.2	347.3	129,200	61.9	340.3	149,700	300
	310	54.4	339.0	115,900	60.1	331.8	135,200	310
	320	52.7	330.1	103,400	58.3	322.7	121,600	320
	330				56.4	313.0	108,800	330