

MANITOWOC ENGINEERING CO.

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



LIFTCRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

M-1200

JIB NO. 49A-44 WITH HEAVY LIFT TOP AND 58'6" STRUT ON

BOOM NO. 75A

MAST NO. 75 OR NO. 75A

60' RINGER ATTACHMENT ON SCREW JACK PEDESTALS

52,000 LB. CRANE COUNTERWEIGHT

1,049,600 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 BOOM AND JIB POINT SHEAVES, IS CONSIDERED PART OF JIB LOAD. 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. 173398 OR NO. 177315, JIB ASSEMBLY NO. 177023 AND WIRE ROPE SPECIFICATION CHART NO. 7683-G. 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 20 PART OR 32 PART BOOM HOIST REEVING OR NO. 75A MAST WITH 32 PART BOOM HOIST REEVING, STRAP BOOM PENDANTS, FOUR 1-1/2" JIB PENDANTS AND BACKSTAYS, 52,000 LB. CRANE COUNTERWEIGHT AND 1,049,600 LB. AUXILIARY COUNTERWEIGHT.

MAXIMUM BOOM AND JIB LENGTHS LIFTED UNASSISTED	
BOOM LGTH.	JIB NO. 49A-44
350'	100'
300'	160'
275'	240'
LOAD BLOCK ON GROUND AT START.	

UPPER BOOM POINT MUST BE REMOVED FROM MAIN BOOM AND UPPER JIB POINT MUST BE REMOVED FROM JIB FOR USE OF THIS CHART.

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

CONSULT CHART NO. 7953-C OR 7953-D FOR LIFTING OFF MAIN BOOM POINT WITH JIB ATTACHED.

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100 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	10 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	
150	90	80.9	257.5	465,800*				90
	95	79.7	256.2	441,000*				95
	100	78.5	254.8	418,700*				100
	105	77.4	253.2	398,500*	81.0	250.0	284,900*	105
	110	76.2	251.6	380,100*	79.8	248.3	274,500*	110
	115	75.0	249.8	363,300*	78.6	246.5	264,800*	115
	120	73.8	247.9	347,900*	77.4	244.6	255,800*	120
	125	72.6	245.9	333,800*	76.2	242.6	247,400*	125
	130	71.3	243.8	320,700*	74.9	240.4	239,500*	130
	135	70.1	241.6	308,500*	73.7	238.1	232,100*	135
	140	68.8	239.2	297,300*	72.4	235.7	225,200*	140
	145	67.6	236.6	286,800*	71.1	233.1	218,700*	145
	150	66.3	234.0	277,000*	69.8	230.4	212,600*	150
	155	65.0	231.2	267,900*	68.5	227.5	206,800*	155
	160	63.7	228.2	259,300*	67.1	224.5	201,400*	160
	165	62.4	225.1	251,200*	65.8	221.4	196,200*	165
	170	61.0	221.8	243,700*	64.4	218.0	191,300*	170
	175	59.6	218.3	236,600*	63.0	214.5	186,700*	175
	180	58.2	214.7	229,800*	61.6	210.8	182,300*	180
	185	56.8	210.8	223,500*	60.1	206.8	178,200*	185
	190	55.4	206.8	217,500*	58.7	202.7	174,200*	190
	195	53.9	202.5	211,800*	57.1	198.4	170,500*	195
	200	52.4	198.1	206,400*	55.6	193.8	166,900*	200
	210	49.2	188.3	196,400*	52.4	183.8	160,300*	210
	220	45.9	177.4	187,400*	48.9	172.6	154,400*	220
	230	42.3	165.1	179,200*	45.2	159.9	149,100*	230
	240	38.4	151.0	171,900*	41.2	145.2	144,400*	240
	250	34.0	134.4	165,300*	36.6	127.9	140,400*	250
	260	28.9	114.4	158,800*	31.2	106.4	137,100*	260
175	95	80.7	281.9	452,500*				95
	100	79.6	280.7	431,100*				100
	105	78.5	279.3	411,600*				105
	110	77.5	277.8	393,800*	80.8	274.3	279,100*	110
	115	76.4	276.2	377,500*	79.7	272.7	270,000*	115
	120	75.3	274.5	362,400*	78.6	271.0	261,500*	120
	125	74.2	272.7	348,400*	77.5	269.2	253,500*	125
	130	73.1	270.8	335,500*	76.4	267.2	246,000*	130
	135	72.0	268.8	323,500*	75.3	265.2	239,000*	135
	140	70.9	266.6	312,300*	74.1	263.0	232,400*	140
	145	69.8	264.4	301,800*	73.0	260.7	226,100*	145
	150	68.6	262.0	292,000*	71.8	258.3	220,200*	150
	155	67.5	259.5	282,800*	70.7	255.8	214,500*	155
	160	66.3	256.9	274,200*	69.5	253.1	209,200*	160
	165	65.1	254.1	266,000*	68.3	250.3	204,200*	165
	170	63.9	251.2	258,400*	67.1	247.4	199,400*	170
	175	62.7	248.2	251,100*	65.9	244.3	194,800*	175
	180	61.5	245.0	244,300*	64.6	241.1	190,500*	180
	185	60.3	241.7	237,800*	63.4	237.7	186,400*	185
	190	59.0	238.2	231,700*	62.1	234.1	182,400*	190
	195	57.8	234.6	225,800*	60.8	230.4	178,700*	195
	200	56.5	230.7	220,300*	59.5	226.5	175,100*	200
	210	53.8	222.5	210,000*	56.8	218.1	168,500*	210
	220	51.0	213.5	200,600*	53.9	208.9	162,400*	220
	230	48.1	203.5	192,100*	50.9	198.6	156,900*	230
	240	45.1	192.4	184,400*	47.8	187.2	151,900*	240
	250	41.8	179.9	177,300*	44.4	174.4	147,400*	250
	260	38.2	165.9	168,000*	40.7	159.8	143,400*	260
	270	34.3	149.7	155,300*	36.6	142.9	140,000*	270
	280	29.9	130.5	143,500*	31.9	122.5	137,200*	280

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100 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	10 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	100	80.5	306.4	446,100*				100
	105	79.5	305.1	427,000*				105
	110	78.5	303.8	409,400*				110
	115	77.6	302.3	393,200*	80.6	298.7	276,200*	115
	120	76.6	300.8	378,200*	79.6	297.1	268,100*	120
	125	75.6	299.1	364,300*	78.6	295.5	260,400*	125
	130	74.6	297.4	351,300*	77.6	293.7	253,200*	130
	135	73.6	295.6	339,300*	76.6	291.9	246,300*	135
	140	72.6	293.6	328,000*	75.5	289.9	239,900*	140
	145	71.5	291.6	317,400*	74.5	287.8	233,800*	145
	150	70.5	289.5	307,500*	73.5	285.7	227,900*	150
	155	69.5	287.2	298,200*	72.4	283.4	222,400*	155
	160	68.4	284.9	289,400*	71.4	281.0	217,200*	160
	165	67.4	282.4	281,200*	70.3	278.5	212,200*	165
	170	66.3	279.8	273,300*	69.2	275.9	207,500*	170
	175	65.2	277.1	265,900*	68.1	273.1	202,900*	175
	180	64.2	274.3	258,900*	67.0	270.3	198,600*	180
	185	63.1	271.3	252,300*	65.9	267.3	194,500*	185
	190	62.0	268.2	245,900*	64.8	264.1	190,600*	190
	195	60.8	265.0	239,900*	63.6	260.9	186,800*	195
	200	59.7	261.6	234,200*	62.5	257.4	183,200*	200
	210	57.4	254.5	223,600*	60.1	250.1	176,500*	210
	220	55.0	246.7	213,800*	57.7	242.2	170,300*	220
	230	52.5	238.1	205,000*	55.1	233.5	164,600*	230
	240	49.9	228.8	191,300	52.5	223.9	159,400*	240
	250	47.2	218.6	176,400	49.7	213.5	154,700*	250
	260	44.4	207.3	162,800	46.8	201.9	150,400*	260
	270	41.4	194.8	150,300	43.7	189.0	146,500*	270
	280	38.1	180.8	138,700	40.4	174.5	142,300	280
	290	34.6	164.9	127,800	36.6	157.9	130,900	290
	300	30.6	146.4	117,700	32.5	138.4	120,200	300
	310				27.5	114.3	109,900	310
225	105	80.3	330.8	444,000*				105
	110	79.4	329.6	426,500*				110
	115	78.5	328.3	410,300*				115
	120	77.6	326.8	395,200*	80.4	323.1	275,200*	120
	125	76.7	325.3	381,200*	79.5	321.6	267,700*	125
	130	75.8	323.8	368,100*	78.6	320.0	260,700*	130
	135	74.9	322.1	355,900*	77.6	318.3	254,000*	135
	140	74.0	320.3	344,500*	76.7	316.5	247,600*	140
	145	73.0	318.5	333,700*	75.8	314.6	241,600*	145
	150	72.1	316.5	323,600*	74.8	312.6	235,900*	150
	155	71.1	314.5	314,100*	73.9	310.5	230,400*	155
	160	70.2	312.3	305,100*	72.9	308.4	225,200*	160
	165	69.2	310.1	296,700*	71.9	306.1	220,300*	165
	170	68.3	307.7	288,600*	71.0	303.7	215,600*	170
	175	67.3	305.3	281,000*	70.0	301.2	211,000*	175
	180	66.3	302.7	273,800*	69.0	298.7	206,700*	180
	185	65.3	300.1	266,900*	68.0	296.0	202,600*	185
	190	64.3	297.3	260,400*	67.0	293.1	198,600*	190
	195	63.3	294.4	254,200*	65.9	290.2	194,800*	195
	200	62.3	291.4	248,300*	64.9	287.2	191,200*	200
	210	60.2	285.0	237,200*	62.8	280.7	184,400*	210
	220	58.1	278.1	219,900	60.7	273.6	178,100*	220
	230	55.9	270.6	202,000	58.4	266.0	172,300*	230
	240	53.7	262.5	185,700	56.2	257.7	166,900*	240
	250	51.4	253.7	170,800	53.8	248.8	162,000*	250
	260	49.0	244.1	157,200	51.3	239.0	157,400*	260
	270	46.4	233.7	144,600	48.7	228.3	149,800	270
	280	43.8	222.3	133,000	46.0	216.6	137,700	280
	290	41.0	209.7	122,200	43.1	203.7	126,500	290
	300	38.0	195.8	112,200	40.0	189.3	116,000	300
	310	34.8	180.1	102,700	36.7	173.0	106,000	310
	320	31.2	162.1	93,900	32.9	154.1	96,600	320
	330				28.5	131.5	87,600	330

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BOOM LGTH. FEET	JIB OPER. RAD. FEET	10 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	
250	105	81.0	356.4	450,000*				105
	110	80.2	355.3	446,100*				110
	115	79.4	354.1	429,600*				115
	120	78.5	352.7	414,300*				120
	125	77.7	351.4	400,000*	80.3	347.5	276,100*	125
	130	76.8	349.9	386,600*	79.4	346.0	269,100*	130
	135	76.0	348.4	374,100*	78.6	344.5	262,500*	135
	140	75.1	346.7	362,400*	77.7	342.8	256,200*	140
	145	74.3	345.0	351,400*	76.8	341.1	250,200*	145
	150	73.4	343.2	341,000*	76.0	339.3	244,500*	150
	155	72.6	341.3	331,200*	75.1	337.4	239,000*	155
	160	71.7	339.4	321,900*	74.2	335.4	233,800*	160
	165	70.8	337.3	313,200*	73.3	333.3	228,800*	165
	170	69.9	335.2	304,900*	72.4	331.1	224,100*	170
	175	69.0	332.9	297,000*	71.5	328.8	219,500*	175
	180	68.1	330.6	289,500*	70.6	326.5	215,200*	180
	185	67.2	328.2	282,400*	69.7	324.0	211,000*	185
	190	66.3	325.6	275,600*	68.8	321.5	207,000*	190
	195	65.4	323.0	266,500	67.9	318.8	203,200*	195
	200	64.5	320.3	254,400	66.9	316.0	199,500*	200
	210	62.6	314.5	232,200	65.0	310.2	192,500*	210
	220	60.7	308.3	212,200	63.1	303.8	186,100*	220
	230	58.8	301.6	194,200	61.1	297.0	180,100*	230
	240	56.8	294.3	177,900	59.1	289.7	174,600*	240
	250	54.7	286.6	163,000	57.0	281.8	169,400*	250
	260	52.6	278.2	149,400	54.8	273.2	156,100	260
	270	50.4	269.1	136,800	52.6	264.0	143,000	270
	280	48.1	259.4	125,300	50.3	254.1	131,000	280
	290	45.8	248.8	114,500	47.9	243.2	119,800	290
	300	43.3	237.3	104,500	45.3	231.4	109,400	300
	310	40.7	224.6	95,200	42.7	218.4	99,600	310
	320	37.9	210.7	86,400	39.8	204.1	90,400	320
	330	34.9	195.2	78,200	36.7	188.0	81,700	330
	340	31.7	177.7	70,400	33.3	169.6	73,400	340
	350	28.0	157.4	62,900	29.4	148.1	65,500	350

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		BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	
275	115	80.1	379.7	431,600*				115
	120	79.3	378.5	417,200*				120
	125	78.5	377.2	403,600*				125
	130	77.7	375.9	391,000*	80.2	371.9	269,800*	130
	135	76.9	374.4	379,000*	79.4	370.5	263,600*	135
	140	76.2	372.9	367,800*	78.6	368.9	257,700*	140
	145	75.4	371.3	357,200*	77.8	367.3	252,000*	145
	150	74.6	369.7	347,200*	77.0	365.7	246,600*	150
	155	73.8	367.9	337,800*	76.1	363.9	241,500*	155
	160	73.0	366.1	328,800*	75.3	362.1	236,500*	160
	165	72.1	364.2	320,300*	74.5	360.1	231,800*	165
	170	71.3	362.2	312,200*	73.7	358.1	227,200*	170
	175	70.5	360.2	304,500*	72.9	356.0	222,900*	175
	180	69.7	358.0	297,200*	72.0	353.9	218,700*	180
	185	68.9	355.8	290,200*	71.2	351.6	214,700*	185
	190	68.0	353.5	277,300	70.3	349.2	210,800*	190
	195	67.2	351.1	264,300	69.5	346.8	207,100*	195
	200	66.3	348.6	252,100	68.6	344.3	203,600*	200
	210	64.6	343.3	229,700	66.9	338.9	196,800*	210
	220	62.9	337.6	209,600	65.1	333.2	190,500*	220
	230	61.1	331.5	191,400	63.3	327.0	184,700*	230
	240	59.3	325.0	174,900	61.5	320.3	179,300*	240
	250	57.5	318.0	159,900	59.6	313.2	167,800	250
	260	55.6	310.5	146,200	57.7	305.6	153,600	260
	270	53.6	302.4	133,500	55.7	297.5	140,500	270
	280	51.6	293.8	121,800	53.7	288.7	128,400	280
	290	49.6	284.6	111,000	51.6	279.3	117,100	290
	300	47.4	274.6	101,000	49.4	269.1	106,600	300
	310	45.2	263.9	91,600	47.1	258.1	96,900	310
	320	42.9	252.2	82,800	44.8	246.2	87,700	320
	330	40.4	239.6	74,500	42.2	233.2	79,000	330
	340	37.8	225.7	66,800	39.6	218.9	70,900	340
	350	35.1	210.3	59,400	36.7	203.0	63,100	350
	360	32.1	193.2	52,400	33.6	185.1	55,700	360
	370	28.7	173.6	45,700	30.1	164.5	48,500	370

MANITOWOC ENGINEERING CO.

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



LIFTCRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

M-1200

JIB NO. 49A-44 WITH HEAVY LIFT TOP AND 58'6" STRUT ON

BOOM NO. 75A

MAST NO. 75 OR NO. 75A

60' RINGER ATTACHMENT ON SCREW JACK PEDESTALS

52,000 LB. CRANE COUNTERWEIGHT

1,049,600 LB. AUXILIARY COUNTERWEIGHT

360 DEGREE RATING

100 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	10 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	
300	115	80.7	405.3	450,000*				115
	120	80.0	404.2	438,100*				120
	125	79.2	403.0	424,100*				125
	130	78.5	401.7	411,000*	80.8	397.7	278,800*	130
	135	77.8	400.4	398,600*	80.1	396.4	272,500*	135
	140	77.0	399.0	387,000*	79.3	394.9	266,600*	140
	145	76.3	397.5	376,000*	78.6	393.4	260,900*	145
	150	75.6	396.0	365,600*	77.8	391.9	255,500*	150
	155	74.8	394.3	355,800*	77.1	390.2	250,300*	155
	160	74.1	392.6	346,500*	76.3	388.5	245,300*	160
	165	73.3	390.9	337,600*	75.5	386.7	240,500*	165
	170	72.6	389.0	329,200*	74.8	384.9	235,900*	170
	175	71.8	387.1	315,600	74.0	382.9	231,500*	175
	180	71.0	385.1	299,800	73.2	380.9	227,200*	180
	185	70.3	383.0	285,100	72.4	378.8	223,100*	185
	190	69.5	380.9	271,300	71.7	376.6	219,200*	190
	195	68.7	378.7	258,300	70.9	374.4	215,400*	195
	200	67.9	376.4	246,000	70.1	372.0	211,800*	200
	210	66.3	371.5	223,500	68.5	367.1	204,900*	210
	220	64.7	366.2	203,300	66.9	361.8	198,400*	220
	230	63.1	360.6	185,100	65.2	356.1	192,400*	230
	240	61.5	354.7	168,600	63.5	350.1	178,000	240
	250	59.8	348.3	153,600	61.8	343.6	162,400	250
	260	58.1	341.5	139,800	60.1	336.7	148,100	260
	270	56.3	334.2	127,200	58.3	329.3	135,000	270
	280	54.5	326.5	115,500	56.5	321.5	122,900	280
	290	52.7	318.2	104,700	54.6	313.1	111,600	290
	300	50.8	309.4	94,600	52.7	304.1	101,200	300
	310	48.8	299.9	85,200	50.7	294.5	91,400	310
	320	46.8	289.8	76,500	48.6	284.1	82,300	320
	330	44.7	278.9	68,300	46.5	273.0	73,700	330
	340	42.5	267.2	60,500	44.2	261.0	65,600	340
	350	40.2	254.5	53,200	41.9	248.0	57,900	350
	360	37.8	240.7	46,300	39.4	233.7	50,700	360
	370	35.2	225.4	39,800	36.7	218.0	43,700	370
	380	32.4	208.6	33,500	33.8	200.5	37,100	380
	390	29.4	189.5	27,600	30.6	180.5	30,700	390

MANITOWOC ENGINEERING CO.

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



LIFT CRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

M-1200

JIB NO. 49A-44 WITH HEAVY LIFT TOP AND 58'6" STRUT ON

BOOM NO. 75A

MAST NO. 75 OR NO. 75A

60' RINGER ATTACHMENT ON SCREW JACK PEDESTALS

52,000 LB. CRANE COUNTERWEIGHT

1,049,600 LB. AUXILIARY COUNTERWEIGHT

360 DEGREE RATING

100 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	10 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	
3 2 5	120	80.6	429.8	425,400*				120
	125	79.9	428.7	419,100*				125
	130	79.2	427.5	412,100*				130
	135	78.5	426.2	405,100*	80.7	422.1	281,800*	135
	140	77.8	424.9	398,100*	80.0	420.8	275,800*	140
	145	77.1	423.5	391,200*	79.3	419.4	270,100*	145
	150	76.4	422.1	384,300*	78.6	417.9	264,600*	150
	155	75.7	420.6	374,700*	77.8	416.4	259,300*	155
	160	75.0	419.0	363,900	77.1	414.8	254,200*	160
	165	74.3	417.3	344,600	76.4	413.1	249,400*	165
	170	73.6	415.6	326,500	75.7	411.4	244,700*	170
	175	72.9	413.8	309,700	75.0	409.6	240,200*	175
	180	72.2	411.9	293,900	74.3	407.7	235,900*	180
	185	71.5	410.0	279,200	73.5	405.7	231,700*	185
	190	70.8	408.0	265,300	72.8	403.7	227,700*	190
	195	70.0	405.9	252,300	72.1	401.6	223,900*	195
	200	69.3	403.8	240,100	71.4	399.4	220,100*	200
	210	67.8	399.2	217,600	69.9	394.8	213,100*	210
	220	66.3	394.4	197,400	68.4	389.9	206,500*	220
	230	64.8	389.2	179,200	66.8	384.7	190,000	230
	240	63.3	383.7	162,800	65.3	379.1	172,900	240
	250	61.8	377.8	147,700	63.7	373.2	157,400	250
	260	60.2	371.6	134,000	62.1	366.8	143,100	260
	270	58.6	364.9	121,400	60.5	360.1	130,000	270
	280	56.9	357.9	109,700	58.8	352.9	117,900	280
	290	55.3	350.4	98,900	57.1	345.3	106,700	290
	300	53.6	342.4	88,900	55.4	337.2	96,300	300
	310	51.8	333.9	79,600	53.6	328.6	86,600	310
	320	50.0	324.9	70,900	51.8	319.5	77,500	320
	330	48.1	315.3	62,700	49.9	309.7	69,000	330
	340	46.2	305.0	55,000	47.9	299.2	60,900	340
	350	44.2	294.0	47,800	45.9	287.9	53,400	350
	360	42.2	282.2	41,000	43.8	275.9	46,200	360
	370	40.0	269.4	34,500	41.6	262.8	39,400	370
	380	37.7	255.6	28,400	39.2	248.6	32,900	380
	390	35.3	240.5	22,500	36.7	233.0	26,800	390
	400	32.7	223.9	16,900	34.0	215.8	20,800	400
	410	29.9	205.4	11,600	31.1	196.4	15,100	410

MANITOWOC ENGINEERING CO.

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



LIFT CRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

M-1200

JIB NO. 49A-44 WITH HEAVY LIFT TOP AND 58'6" STRUT ON

BOOM NO. 75A

MAST NO. 75 OR NO. 75A

60' RINGER ATTACHMENT ON SCREW JACK PEDESTALS

52,000 LB. CRANE COUNTERWEIGHT

1,049,600 LB. AUXILIARY COUNTERWEIGHT

360 DEGREE RATING

100 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	10 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	
350	125	80.5	454.3	354,300*				125
	130	79.8	453.2	354,300*				130
	135	79.2	452.0	350,300*				135
	140	78.5	450.7	344,300*	80.5	446.6	277,900*	140
	145	77.9	449.4	338,200*	79.9	445.2	272,400*	145
	150	77.2	448.1	331,900*	79.2	443.9	267,100*	150
	155	76.5	446.6	325,500*	78.5	442.4	262,000*	155
	160	75.9	445.1	319,100*	77.9	440.9	257,200*	160
	165	75.2	443.6	312,500*	77.2	439.3	252,500*	165
	170	74.6	442.0	306,000*	76.5	437.7	248,000*	170
	175	73.9	440.3	299,500*	75.9	436.0	243,600*	175
	180	73.2	438.5	289,500	75.2	434.3	239,400*	180
	185	72.6	436.7	274,700	74.5	432.4	235,400*	185
	190	71.9	434.8	260,700	73.8	430.5	231,500*	190
	195	71.2	432.9	247,600	73.1	428.6	227,700*	195
	200	70.5	430.9	235,300	72.5	426.5	224,100*	200
	210	69.1	426.6	212,600	71.1	422.2	217,200*	210
	220	67.8	422.1	192,300	69.7	417.7	203,700	220
	230	66.4	417.3	174,000	68.2	412.8	184,600	230
	240	64.9	412.2	157,400	66.8	407.6	167,300	240
	250	63.5	406.7	142,200	65.4	402.1	151,600	250
	260	62.0	400.9	128,400	63.9	396.2	137,200	260
	270	60.5	394.8	115,700	62.4	390.0	123,900	270
	280	59.0	388.3	104,000	60.9	383.4	111,700	280
	290	57.5	381.4	93,100	59.3	376.5	100,400	290
	300	55.9	374.1	83,000	57.7	369.1	89,800	300
	310	54.3	366.4	73,700	56.1	361.2	80,000	310
	320	52.7	358.2	64,900	54.4	352.9	70,900	320
	330	51.0	349.6	56,700	52.7	344.1	62,300	330
	340	49.3	340.4	49,000	51.0	334.8	54,200	340
	350	47.6	330.6	41,800	49.2	324.8	46,600	350
	360	45.7	320.2	34,900	47.3	314.2	39,400	360
	370	43.8	309.1	28,400	45.4	302.9	32,600	370
	380	41.9	297.2	22,300	43.4	290.7	26,100	380
	390	39.8	284.4	16,500	41.3	277.6	19,900	390
	400	37.7	270.6	10,900	39.1	263.5	14,000	400

MANITOWOC ENGINEERING CO.

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



LIFTCRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

M-1200

JIB NO. 49A-44 WITH HEAVY LIFT TOP AND 58'6" STRUT ON

BOOM NO. 75A

MAST NO. 75 OR NO. 75A

60' RINGER ATTACHMENT ON SCREW JACK PEDESTALS

52,000 LB. CRANE COUNTERWEIGHT

1,049,600 LB. AUXILIARY COUNTERWEIGHT

360 DEGREE RATING

120 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	10 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	
150	95	81.0	276.9	415,400*				95
	100	79.9	275.6	393,800*				100
	105	78.8	274.2	374,200*				105
	110	77.7	272.7	356,500*				110
	115	76.6	271.1	340,300*	80.8	267.5	250,300*	115
	120	75.5	269.3	325,400*	79.7	265.8	241,400*	120
	125	74.4	267.5	311,800*	78.6	263.9	233,100*	125
	130	73.3	265.6	299,200*	77.4	262.0	225,300*	130
	135	72.2	263.5	287,500*	76.3	259.9	218,000*	135
	140	71.0	261.3	276,700*	75.1	257.7	211,100*	140
	145	69.9	259.0	266,600*	73.9	255.3	204,700*	145
	150	68.7	256.6	257,200*	72.8	252.9	198,600*	150
	155	67.5	254.0	248,400*	71.6	250.3	192,900*	155
	160	66.4	251.4	240,200*	70.4	247.5	187,500*	160
	165	65.2	248.5	232,400*	69.1	244.7	182,400*	165
	170	63.9	245.6	225,200*	67.9	241.7	177,600*	170
	175	62.7	242.5	218,300*	66.6	238.5	173,000*	175
	180	61.5	239.2	211,800*	65.4	235.2	168,600*	180
	185	60.2	235.8	205,700*	64.1	231.7	164,500*	185
	190	58.9	232.2	200,000*	62.8	228.1	160,600*	190
	195	57.6	228.5	194,500*	61.4	224.2	156,800*	195
	200	56.3	224.5	189,300*	60.1	220.2	153,300*	200
	210	53.5	216.1	179,700*	57.3	211.6	146,600*	210
	220	50.7	206.7	170,900*	54.3	202.0	140,600*	220
	230	47.6	196.3	163,000*	51.3	191.4	135,100*	230
	240	44.4	184.8	155,800*	48.0	179.5	130,200*	240
	250	41.0	171.8	149,300*	44.4	166.0	125,700*	250
	260	37.3	156.9	143,300*	40.5	150.6	121,700*	260
	270	33.1	139.6	137,900*	36.1	132.3	118,200*	270
	280	28.2	118.6	133,000*	30.9	109.8	115,300*	280
175	100	80.8	301.4	403,200*				100
	105	79.8	300.1	384,500*				105
	110	78.8	298.7	367,400*				110
	115	77.8	297.2	351,600*				115
	120	76.8	295.6	337,200*	80.6	291.9	245,600*	120
	125	75.8	294.0	323,800*	79.6	290.2	237,700*	125
	130	74.8	292.2	311,400*	78.5	288.4	230,300*	130
	135	73.8	290.4	299,900*	77.5	286.5	223,400*	135
	140	72.7	288.4	289,100*	76.5	284.5	216,800*	140
	145	71.7	286.3	279,100*	75.4	282.4	210,600*	145
	150	70.6	284.1	269,800*	74.3	280.2	204,800*	150
	155	69.6	281.8	261,000*	73.3	277.9	199,300*	155
	160	68.5	279.4	252,700*	72.2	275.5	194,000*	160
	165	67.4	276.9	244,900*	71.1	272.9	189,000*	165
	170	66.4	274.3	237,600*	70.0	270.2	184,300*	170
	175	65.3	271.5	230,700*	68.9	267.4	179,800*	175
	180	64.2	268.6	224,200*	67.8	264.5	175,500*	180
	185	63.0	265.6	218,000*	66.6	261.4	171,500*	185
	190	61.9	262.4	212,100*	65.5	258.2	167,600*	190
	195	60.8	259.1	206,500*	64.3	254.8	163,900*	195
	200	59.6	255.7	201,200*	63.1	251.3	160,300*	200
	210	57.2	248.3	191,400*	60.7	243.8	153,700*	210
	220	54.7	240.3	182,400*	58.2	235.7	147,700*	220
	230	52.2	231.5	174,200*	55.6	226.7	142,200*	230
	240	49.5	221.9	166,800*	52.9	216.8	137,100*	240
	250	46.7	211.4	159,900*	50.0	206.0	132,500*	250
	260	43.8	199.7	153,700*	46.9	194.0	128,200*	260
	270	40.6	186.6	147,900*	43.7	180.5	124,400*	270
	280	37.2	171.9	142,600*	40.1	165.2	120,900*	280
	290	33.5	155.0	135,800	36.2	147.4	117,900*	290
	300	29.2	135.0	125,600	31.6	126.1	115,400*	300

MANITOWOC ENGINEERING CO.

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LIFTCRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

M-1200

JIB NO. 49A-44 WITH HEAVY LIFT TOP AND 58'6" STRUT ON

BOOM NO. 75A

MAST NO. 75 OR NO. 75A

60' RINGER ATTACHMENT ON SCREW JACK PEDESTALS

52,000 LB. CRANE COUNTERWEIGHT

1,049,600 LB. AUXILIARY COUNTERWEIGHT

360 DEGREE RATING

120 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	10 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	105	80.6	325.8	396,800*				105
	110	79.7	324.5	380,000*				110
	115	78.8	323.2	364,500*				115
	120	77.9	321.7	350,200*				120
	125	76.9	320.2	336,900*	80.4	316.3	243,100*	125
	130	76.0	318.6	324,600*	79.5	314.6	236,000*	130
	135	75.1	316.9	313,100*	78.5	312.9	229,300*	135
	140	74.1	315.1	302,300*	77.6	311.1	222,900*	140
	145	73.2	313.2	292,300*	76.6	309.2	216,900*	145
	150	72.2	311.2	282,900*	75.7	307.2	211,200*	150
	155	71.3	309.1	274,000*	74.7	305.1	205,800*	155
	160	70.3	307.0	265,700*	73.7	302.8	200,700*	160
	165	69.3	304.7	257,800*	72.7	300.5	195,800*	165
	170	68.4	302.3	250,400*	71.7	298.1	191,200*	170
	175	67.4	299.8	243,300*	70.7	295.6	186,700*	175
	180	66.4	297.2	236,700*	69.7	292.9	182,500*	180
	185	65.4	294.5	230,300*	68.7	290.2	178,500*	185
	190	64.3	291.6	224,300*	67.7	287.3	174,600*	190
	195	63.3	288.7	218,600*	66.6	284.3	170,900*	195
	200	62.3	285.6	213,200*	65.6	281.2	167,400*	200
	210	60.2	279.1	203,100*	63.4	274.5	160,700*	210
	220	58.0	272.0	193,800*	61.2	267.3	154,600*	220
	230	55.8	264.3	185,400*	58.9	259.5	149,000*	230
	240	53.5	256.0	177,600*	56.6	251.0	143,900*	240
	250	51.1	247.0	170,500*	54.1	241.8	139,100*	250
	260	48.6	237.1	163,900*	51.6	231.7	134,700*	260
	270	46.0	226.4	152,900	48.9	220.7	130,700*	270
	280	43.2	214.6	141,300	46.1	208.5	126,900*	280
	290	40.3	201.5	130,500	43.1	195.0	123,600*	290
	300	37.2	186.9	120,500	39.8	179.9	120,500*	300
	310	33.8	170.3	111,100	36.3	162.5	114,000	310
	320	29.9	151.1	102,200	32.2	142.2	104,500	320
	330				27.3	117.0	95,400	330
225	110	80.5	350.2	394,600*				110
	115	79.6	349.0	379,100*				115
	120	78.8	347.7	364,800*				120
	125	77.9	346.3	351,400*				125
	130	77.0	344.8	339,000*	80.3	340.7	242,300*	130
	135	76.2	343.2	327,400*	79.4	339.1	235,800*	135
	140	75.3	341.5	316,600*	78.5	337.4	229,500*	140
	145	74.5	339.8	306,400*	77.7	335.6	223,700*	145
	150	73.6	338.0	296,800*	76.8	333.8	218,100*	150
	155	72.7	336.1	287,800*	75.9	331.9	212,700*	155
	160	71.8	334.1	279,300*	75.0	329.8	207,700*	160
	165	70.9	332.0	271,300*	74.1	327.7	202,800*	165
	170	70.0	329.8	263,700*	73.2	325.5	198,200*	170
	175	69.1	327.5	256,500*	72.2	323.2	193,800*	175
	180	68.2	325.1	249,600*	71.3	320.8	189,600*	180
	185	67.3	322.7	243,100*	70.4	318.3	185,500*	185
	190	66.4	320.1	237,000*	69.5	315.7	181,700*	190
	195	65.4	317.4	231,100*	68.5	313.0	178,000*	195
	200	64.5	314.6	225,500*	67.6	310.1	174,400*	200
	210	62.6	308.8	215,000*	65.6	304.2	167,700*	210
	220	60.6	302.4	205,500*	63.6	297.7	161,600*	220
	230	58.6	295.5	196,700*	61.6	290.7	155,900*	230
	240	56.6	288.2	188,200	59.5	283.2	150,600*	240
	250	54.5	280.2	173,300	57.4	275.1	145,700*	250
	260	52.3	271.6	159,600	55.2	266.4	141,200*	260
	270	50.1	262.4	147,000	52.9	256.9	137,000*	270
	280	47.8	252.3	135,400	50.5	246.6	133,100*	280
	290	45.3	241.4	124,700	48.0	235.4	129,500*	290
	300	42.8	229.5	114,700	45.4	223.2	119,300	300
	310	40.1	216.4	105,300	42.6	209.7	109,400	310
	320	37.2	201.9	96,500	39.6	194.6	100,200	320
	330	34.0	185.6	88,200	36.3	177.6	91,400	330
	340	30.5	167.0	80,400	32.6	158.0	83,000	340
	350				28.4	134.5	74,900	350

MANITOWOC ENGINEERING CO.

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



LIFTCRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

M-1200

JIB NO. 49A-44 WITH HEAVY LIFT TOP AND 58'6" STRUT ON

BOOM NO. 75A

MAST NO. 75 OR NO. 75A

60' RINGER ATTACHMENT ON SCREW JACK PEDESTALS

52,000 LB. CRANE COUNTERWEIGHT

1,049,600 LB. AUXILIARY COUNTERWEIGHT

360 DEGREE RATING

120 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	10 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	
250	115	80.3	374.7	396,000*				115
	120	79.5	373.5	381,500*				120
	125	78.7	372.1	367,900*				125
	130	77.9	370.8	355,300*	81.0	366.5	249,600*	130
	135	77.1	369.3	343,400*	80.2	365.1	243,200*	135
	140	76.3	367.8	332,300*	79.3	363.5	237,000*	140
	145	75.5	366.2	321,900*	78.5	361.9	231,200*	145
	150	74.7	364.5	312,000*	77.7	360.2	225,600*	150
	155	73.9	362.7	302,800*	76.9	358.4	220,300*	155
	160	73.1	360.9	294,000*	76.1	356.5	215,200*	160
	165	72.3	358.9	285,800*	75.2	354.6	210,400*	165
	170	71.4	356.9	277,900*	74.4	352.5	205,800*	170
	175	70.6	354.8	270,500*	73.5	350.4	201,300*	175
	180	69.8	352.6	263,400*	72.7	348.2	197,100*	180
	185	68.9	350.4	256,700*	71.8	345.9	193,000*	185
	190	68.1	348.0	250,300*	71.0	343.5	189,100*	190
	195	67.2	345.6	244,200*	70.1	341.0	185,400*	195
	200	66.4	343.0	238,400*	69.2	338.4	181,800*	200
	210	64.6	337.6	227,600*	67.5	333.0	175,000*	210
	220	62.9	331.9	214,800	65.7	327.1	168,800*	220
	230	61.1	325.6	196,800	63.8	320.8	162,900*	230
	240	59.2	319.0	180,400	62.0	314.1	157,500*	240
	250	57.3	311.9	165,500	60.1	306.8	152,500*	250
	260	55.4	304.2	151,800	58.1	299.0	147,800*	260
	270	53.4	296.0	139,200	56.1	290.6	143,500*	270
	280	51.4	287.2	127,600	54.0	281.7	134,200	280
	290	49.2	277.7	116,900	51.8	272.0	123,000	290
	300	47.1	267.5	106,900	49.6	261.5	112,500	300
	310	44.8	256.4	97,600	47.2	250.2	102,800	310
	320	42.4	244.4	88,800	44.8	237.9	93,600	320
	330	39.8	231.3	80,600	42.2	224.3	84,900	330
	340	37.1	216.9	72,900	39.4	209.4	76,800	340
	350	34.2	200.8	65,600	36.4	192.7	69,000	350
	360	31.1	182.7	58,600	33.0	173.6	61,600	360
	370	27.5	161.7	52,000	29.2	151.3	54,400	370

MANITOWOC ENGINEERING CO.

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



LIFTCRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

M-1200

JIB NO. 49A-44 WITH HEAVY LIFT TOP AND 58'6" STRUT ON

BOOM NO. 75A

MAST NO. 75 OR NO. 75A

60' RINGER ATTACHMENT ON SCREW JACK PEDESTALS

52,000 LB. CRANE COUNTERWEIGHT

1,049,600 LB. AUXILIARY COUNTERWEIGHT

360 DEGREE RATING

120 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	10 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 7 5	120	80.2	399.1	383,300*				120
	125	79.5	397.9	370,500*				125
	130	78.7	396.6	358,500*				130
	135	78.0	395.3	347,200*	80.8	390.9	243,600*	135
	140	77.2	393.8	336,600*	80.0	389.5	237,900*	140
	145	76.5	392.3	326,600*	79.3	388.0	232,400*	145
	150	75.7	390.8	317,100*	78.5	386.4	227,100*	150
	155	75.0	389.1	308,200*	77.8	384.7	222,100*	155
	160	74.2	387.4	299,700*	77.0	383.0	217,300*	160
	165	73.4	385.6	291,700*	76.2	381.2	212,700*	165
	170	72.7	383.8	284,100*	75.4	379.3	208,300*	170
	175	71.9	381.8	276,800*	74.7	377.3	204,000*	175
	180	71.1	379.8	269,900*	73.9	375.3	200,000*	180
	185	70.3	377.7	263,400*	73.1	373.1	196,100*	185
	190	69.6	375.5	257,100*	72.3	370.9	192,300*	190
	195	68.8	373.2	251,100*	71.5	368.6	188,700*	195
	200	68.0	370.9	245,400*	70.7	366.2	185,200*	200
	210	66.4	365.9	232,500	69.1	361.2	178,700*	210
	220	64.7	360.6	212,300	67.4	355.8	172,600*	220
	230	63.1	354.9	194,000	65.7	350.1	166,900*	230
	240	61.4	348.9	177,500	64.0	343.9	161,600*	240
	250	59.7	342.4	162,400	62.3	337.3	156,700*	250
	260	57.9	335.4	148,600	60.5	330.3	152,100*	260
	270	56.2	328.0	135,900	58.7	322.8	143,800	270
	280	54.3	320.1	124,200	56.8	314.7	131,600	280
	290	52.4	311.7	113,400	54.9	306.1	120,300	290
	300	50.5	302.7	103,300	52.9	296.9	109,700	300
	310	48.5	293.0	93,900	50.9	287.1	99,900	310
	320	46.4	282.6	85,100	48.8	276.4	90,700	320
	330	44.3	271.4	76,900	46.6	265.0	82,000	330
	340	42.0	259.3	69,100	44.2	252.6	73,900	340
	350	39.6	246.2	61,800	41.8	239.1	66,200	350
	360	37.1	231.9	54,800	39.2	224.2	58,800	360
	370	34.4	216.0	48,300	36.4	207.7	51,800	370
	380	31.5	198.3	42,000	33.3	189.2	45,100	380
	390	28.3	178.1	35,900	29.9	167.8	38,600	390

MANITOWOC ENGINEERING CO.

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



LIFTCRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

M-1200

JIB NO. 49A-44 WITH HEAVY LIFT TOP AND 58'6" STRUT ON

BOOM NO. 75A

MAST NO. 75 OR NO. 75A

60' RINGER ATTACHMENT ON SCREW JACK PEDESTALS

52,000 LB. CRANE COUNTERWEIGHT

1,049,600 LB. AUXILIARY COUNTERWEIGHT

360 DEGREE RATING

120 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	10 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	
300	120	80.8	424.7	390,000*				120
	125	80.1	423.6	388,800*				125
	130	79.4	422.4	376,300*				130
	135	78.7	421.1	364,700*				135
	140	78.0	419.8	353,700*	80.7	415.3	245,900*	140
	145	77.3	418.4	343,300*	79.9	413.9	240,400*	145
	150	76.6	416.9	333,500*	79.2	412.4	235,100*	150
	155	75.9	415.4	324,200*	78.5	410.9	230,000*	155
	160	75.2	413.8	315,400*	77.8	409.3	225,200*	160
	165	74.5	412.1	307,100*	77.1	407.6	220,500*	165
	170	73.7	410.3	299,200*	76.4	405.8	216,100*	170
	175	73.0	408.5	291,600*	75.6	404.0	211,800*	175
	180	72.3	406.6	284,500*	74.9	402.1	207,700*	180
	185	71.6	404.7	277,600*	74.2	400.1	203,700*	185
	190	70.8	402.7	271,100*	73.4	398.0	199,900*	190
	195	70.1	400.5	261,200*	72.7	395.9	196,200*	195
	200	69.4	398.4	248,900*	71.9	393.7	192,700*	200
	210	67.9	393.8	226,300*	70.4	389.0	186,000*	210
	220	66.4	388.8	206,000*	68.9	384.0	179,800*	220
	230	64.8	383.6	187,700*	67.3	378.7	174,000*	230
	240	63.3	378.0	171,100*	65.8	373.0	168,500*	240
	250	61.7	372.0	156,000*	64.2	367.0	163,400*	250
	260	60.1	365.7	142,200*	62.5	360.5	151,500*	260
	270	58.5	358.9	129,500*	60.9	353.7	138,200*	270
	280	56.8	351.7	117,700*	59.2	346.4	126,000*	280
	290	55.1	344.1	106,900*	57.5	338.6	114,700*	290
	300	53.4	336.0	96,800*	55.7	330.4	104,200*	300
	310	51.6	327.3	87,400*	53.9	321.6	94,300*	310
	320	49.7	318.1	78,600*	52.0	312.2	85,100*	320
	330	47.8	308.3	70,400*	50.1	302.1	76,500*	330
	340	45.9	297.7	62,700*	48.1	291.4	68,400*	340
	350	43.8	286.4	55,400*	46.0	279.8	60,700*	350
	360	41.7	274.3	48,500*	43.8	267.3	53,500*	360
	370	39.5	261.1	42,000*	41.5	253.8	46,600*	370
	380	37.1	246.8	35,800*	39.0	239.0	40,000*	380
	390	34.6	231.2	29,900*	36.4	222.8	33,700*	390
	400	31.9	213.8	24,200*	33.6	204.6	27,600*	400
	410	28.9	194.2	18,800*	30.5	184.0	21,800*	410

MANITOWOC ENGINEERING CO.

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



LIFTCRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

M-1200

JIB NO. 49A-44 WITH HEAVY LIFT TOP AND 58'6" STRUT ON

BOOM NO. 75A

MAST NO. 75 OR NO. 75A

60' RINGER ATTACHMENT ON SCREW JACK PEDESTALS

52,000 LB. CRANE COUNTERWEIGHT

1,049,600 LB. AUXILIARY COUNTERWEIGHT

360 DEGREE RATING

140 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	10 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	
150	105	80.9	294.6	344,000*				105
	110	79.8	293.2	327,600*				110
	115	78.8	291.7	312,500*				115
	120	77.8	290.1	298,800*				120
	125	76.8	288.4	286,100*	80.9	284.7	214,800*	125
	130	75.7	286.6	274,400*	79.9	282.9	207,400*	130
	135	74.7	284.7	263,500*	78.8	281.0	200,500*	135
	140	73.6	282.7	253,400*	77.8	278.9	194,000*	140
	145	72.6	280.6	244,100*	76.7	276.8	187,900*	145
	150	71.5	278.3	235,300*	75.6	274.5	182,100*	150
	155	70.4	276.0	227,100*	74.5	272.1	176,700*	155
	160	69.3	273.5	219,400*	73.4	269.6	171,500*	160
	165	68.2	271.0	212,200*	72.3	267.0	166,700*	165
	170	67.1	268.3	205,400*	71.2	264.3	162,000*	170
	175	66.0	265.4	199,000*	70.0	261.4	157,700*	175
	180	64.9	262.5	193,000*	68.9	258.4	153,500*	180
	185	63.7	259.4	187,300*	67.7	255.3	149,600*	185
	190	62.6	256.1	181,900*	66.5	252.0	145,800*	190
	195	61.4	252.8	176,700*	65.3	248.5	142,200*	195
	200	60.2	249.2	171,900*	64.1	244.9	138,800*	200
	210	57.7	241.7	162,800*	61.6	237.2	132,400*	210
	220	55.2	233.4	154,600*	59.0	228.8	126,600*	220
	230	52.6	224.3	147,200*	56.3	219.5	121,300*	230
	240	49.8	214.4	140,400*	53.5	209.3	116,500*	240
	250	46.9	203.4	134,100*	50.5	198.0	112,000*	250
	260	43.8	191.2	128,400*	47.3	185.5	108,000*	260
	270	40.5	177.5	123,200*	43.9	171.3	104,300*	270
	280	36.9	161.9	118,400*	40.1	155.0	101,000*	280
	290	32.8	143.7	113,700*	35.9	135.8	98,100*	290
	300	28.1	121.7	109,300*	30.8	112.1	95,600*	300
175	110	80.7	319.0	335,300*				110
	115	79.7	317.6	320,800*				115
	120	78.8	316.2	307,500*				120
	125	77.9	314.6	295,200*				125
	130	76.9	313.0	283,700*	80.7	309.0	210,800*	130
	135	76.0	311.2	273,100*	79.8	307.3	204,300*	135
	140	75.0	309.4	263,200*	78.8	305.4	198,100*	140
	145	74.0	307.5	254,000*	77.8	303.5	192,200*	145
	150	73.1	305.5	245,300*	76.8	301.4	186,700*	150
	155	72.1	303.3	237,200*	75.8	299.3	181,500*	155
	160	71.1	301.1	229,500*	74.8	297.0	176,500*	160
	165	70.1	298.8	222,300*	73.8	294.6	171,800*	165
	170	69.1	296.3	215,500*	72.8	292.2	167,400*	170
	175	68.1	293.8	209,100*	71.8	289.6	163,100*	175
	180	67.1	291.1	203,100*	70.8	286.9	159,000*	180
	185	66.0	288.4	197,300*	69.7	284.1	155,200*	185
	190	65.0	285.5	191,900*	68.7	281.1	151,500*	190
	195	64.0	282.4	186,700*	67.6	278.1	148,000*	195
	200	62.9	279.3	181,700*	66.5	274.9	144,600*	200
	210	60.7	272.6	172,600*	64.3	268.1	138,300*	210
	220	58.5	265.4	164,200*	62.0	260.7	132,500*	220
	230	56.2	257.5	156,600*	59.7	252.6	127,200*	230
	240	53.8	248.9	149,600*	57.3	243.9	122,300*	240
	250	51.4	239.6	143,200*	54.8	234.4	117,900*	250
	260	48.8	229.4	137,300*	52.1	224.0	113,700*	260
	270	46.1	218.3	131,900*	49.4	212.5	109,900*	270
	280	43.3	206.0	126,800*	46.4	199.8	106,400*	280
	290	40.2	192.3	122,200*	43.3	185.6	103,200*	290
	300	36.9	176.9	117,900*	39.8	169.6	100,400*	300
	310	33.2	159.2	114,000*	36.0	151.0	97,800*	310
	320	29.1	138.3	109,600	31.5	128.6	95,700*	320

MANITOWOC ENGINEERING CO.

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



LIFT CRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

M-1200

JIB NO. 49A-44 WITH HEAVY LIFT TOP AND 58'6" STRUT ON

BOOM NO. 75A

MAST NO. 75 OR NO. 75A

60' RINGER ATTACHMENT ON SCREW JACK PEDESTALS

52,000 LB. CRANE COUNTERWEIGHT

1,049,600 LB. AUXILIARY COUNTERWEIGHT

360 DEGREE RATING

140 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	10 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	115	80.5	343.4	330,000*				115
	120	79.6	342.1	317,600*				120
	125	78.8	340.7	305,500*				125
	130	77.9	339.1	294,200*				130
	135	77.0	337.5	283,700*	80.6	333.4	208,700*	135
	140	76.1	335.9	273,800*	79.7	331.7	202,700*	140
	145	75.3	334.1	264,600*	78.8	329.9	197,100*	145
	150	74.4	332.2	255,900*	77.9	328.0	191,700*	150
	155	73.5	330.3	247,800*	77.0	326.0	186,700*	155
	160	72.6	328.3	240,100*	76.0	324.0	181,800*	160
	165	71.7	326.1	232,900*	75.1	321.8	177,200*	165
	170	70.7	323.9	226,000*	74.2	319.6	172,900*	170
	175	69.8	321.6	219,600*	73.3	317.2	168,700*	175
	180	68.9	319.2	213,400*	72.3	314.8	164,700*	180
	185	68.0	316.6	207,600*	71.4	312.2	160,900*	185
	190	67.0	314.0	202,000*	70.4	309.5	157,300*	190
	195	66.1	311.3	196,800*	69.5	306.8	153,800*	195
	200	65.1	308.5	191,800*	68.5	303.9	150,400*	200
	210	63.2	302.4	182,400*	66.5	297.8	144,200*	210
	220	61.2	295.9	173,900*	64.5	291.2	138,400*	220
	230	59.1	288.9	166,000*	62.4	284.0	133,100*	230
	240	57.0	281.4	158,800*	60.3	276.3	128,100*	240
	250	54.9	273.2	152,200*	58.1	268.0	123,600*	250
	260	52.7	264.4	146,100*	55.8	259.0	119,400*	260
	270	50.3	254.8	140,400*	53.4	249.3	115,500*	270
	280	47.9	244.5	135,200*	51.0	238.6	111,800*	280
	290	45.4	233.2	130,300*	48.4	227.0	108,500*	290
	300	42.8	220.8	122,600	45.6	214.3	105,400*	300
	310	39.9	207.1	113,300	42.7	200.1	102,600*	310
	320	36.9	191.9	104,400	39.6	184.2	100,000*	320
	330	33.6	174.6	96,100	36.1	166.1	97,800*	330
	340	29.8	154.5	88,200	32.1	144.8	90,600	340
	350				27.3	118.4	82,300	350
225	120	80.4	367.9	329,300*				120
	125	79.6	366.5	317,200*				125
	130	78.8	365.1	305,900*				130
	135	77.9	363.7	295,300*				135
	140	77.1	362.1	285,400*	80.4	357.8	208,000*	140
	145	76.3	360.5	276,200*	79.6	356.1	202,500*	145
	150	75.5	358.7	267,400*	78.7	354.4	197,200*	150
	155	74.7	357.0	259,200*	77.9	352.6	192,200*	155
	160	73.8	355.1	251,400*	77.1	350.7	187,500*	160
	165	73.0	353.1	244,100*	76.2	348.7	183,000*	165
	170	72.1	351.1	237,100*	75.4	346.6	178,600*	170
	175	71.3	348.9	230,500*	74.5	344.4	174,500*	175
	180	70.4	346.7	224,300*	73.6	342.2	170,600*	180
	185	69.6	344.4	218,300*	72.8	339.8	166,800*	185
	190	68.7	342.0	212,700*	71.9	337.4	163,200*	190
	195	67.9	339.5	207,300*	71.0	334.9	159,700*	195
	200	67.0	336.9	202,100*	70.1	332.2	156,400*	200
	210	65.2	331.4	192,500*	68.3	326.7	150,100*	210
	220	63.4	325.5	183,700*	66.5	320.7	144,300*	220
	230	61.6	319.2	175,700*	64.6	314.2	138,900*	230
	240	59.7	312.4	168,200*	62.7	307.3	133,900*	240
	250	57.7	305.1	161,400*	60.7	299.9	129,300*	250
	260	55.8	297.3	155,000*	58.7	291.9	125,000*	260
	270	53.7	288.9	149,100*	56.7	283.4	121,000*	270
	280	51.6	279.8	137,600	54.5	274.1	117,300*	280
	290	49.5	270.1	126,800	52.3	264.1	113,800*	290
	300	47.2	259.5	116,800	50.0	253.4	110,600*	300
	310	44.8	248.1	107,400	47.5	241.6	107,600*	310
	320	42.3	235.6	98,600	45.0	228.8	103,200	320
	330	39.7	222.0	90,300	42.3	214.7	94,500	330
	340	36.9	206.9	82,500	39.3	199.0	86,200	340
	350	33.8	189.9	75,100	36.1	181.2	78,300	350
	360	30.4	170.5	68,100	32.5	160.7	70,800	360
	370				28.4	136.1	63,400	370

MANITOWOC ENGINEERING CO.

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



LIFTCRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

M-1200

JIB NO. 49A-44 WITH HEAVY LIFT TOP AND 58'6" STRUT ON

BOOM NO. 75A

MAST NO. 75 OR NO. 75A

60' RINGER ATTACHMENT ON SCREW JACK PEDESTALS

52,000 LB. CRANE COUNTERWEIGHT

1,049,600 LB. AUXILIARY COUNTERWEIGHT

360 DEGREE RATING

140 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	10 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	
250	120	81.0	393.5	330,000*				120
	125	80.2	392.3	330,000*				125
	130	79.5	391.0	319,300*				130
	135	78.7	389.6	308,600*				135
	140	78.0	388.2	298,500*				140
	145	77.2	386.6	289,000*	80.3	382.2	208,600*	145
	150	76.4	385.1	280,100*	79.5	380.5	203,500*	150
	155	75.7	383.4	271,700*	78.7	378.8	198,500*	155
	160	74.9	381.6	263,800*	77.9	377.1	193,800*	160
	165	74.1	379.8	256,200*	77.2	375.2	189,300*	165
	170	73.3	377.9	249,100*	76.4	373.3	185,000*	170
	175	72.6	375.9	242,300*	75.6	371.3	180,900*	175
	180	71.8	373.9	235,900*	74.8	369.2	176,900*	180
	185	71.0	371.8	229,800*	74.0	367.1	173,100*	185
	190	70.2	369.5	224,000*	73.2	364.8	169,500*	190
	195	69.4	367.2	218,400*	72.4	362.5	166,000*	195
	200	68.6	364.8	213,100*	71.5	360.1	162,600*	200
	210	66.9	359.8	203,200*	69.9	355.0	156,300*	210
	220	65.3	354.4	194,100*	68.2	349.5	150,400*	220
	230	63.6	348.6	185,700*	66.5	343.6	145,000*	230
	240	61.9	342.4	178,000*	64.7	337.3	139,900*	240
	250	60.1	335.8	168,000	63.0	330.6	135,200*	250
	260	58.4	328.7	154,200	61.2	323.4	130,800*	260
	270	56.5	321.2	141,500	59.3	315.7	126,700*	270
	280	54.6	313.1	129,900	57.4	307.5	122,800*	280
	290	52.7	304.4	119,100	55.4	298.7	119,200*	290
	300	50.7	295.2	109,000	53.4	289.2	115,600	300
	310	48.7	285.2	99,600	51.3	279.0	105,800	310
	320	46.5	274.6	90,900	49.1	268.1	96,600	320
	330	44.3	263.0	82,600	46.8	256.3	87,900	330
	340	42.0	250.5	74,900	44.4	243.4	79,700	340
	350	39.5	236.9	67,600	41.9	229.3	72,000	350
	360	36.9	221.9	60,700	39.1	213.7	64,600	360
	370	34.1	205.2	54,100	36.2	196.3	57,600	370
	380	30.9	186.4	47,800	32.9	176.5	50,800	380
	390				29.2	153.2	44,200	390

MANITOWOC ENGINEERING CO.

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



LIFTCRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

M-1200

JIB NO. 49A-44 WITH HEAVY LIFT TOP AND 58'6" STRUT ON

BOOM NO. 75A

MAST NO. 75 OR NO. 75A

60' RINGER ATTACHMENT ON SCREW JACK PEDESTALS

52,000 LB. CRANE COUNTERWEIGHT

1,049,600 LB. AUXILIARY COUNTERWEIGHT

360 DEGREE RATING

140 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	10 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 7 5	125	80.8	418.0	330,000*				125
	130	80.1	416.8	320,700*				130
	135	79.4	415.5	310,500*				135
	140	78.7	414.1	300,900*				140
	145	78.0	412.7	291,900*				145
	150	77.3	411.2	283,400*	80.2	406.6	204,000*	150
	155	76.6	409.6	275,300*	79.4	405.0	199,300*	155
	160	75.8	408.0	267,700*	78.7	403.3	194,900*	160
	165	75.1	406.3	260,400*	78.0	401.6	190,600*	165
	170	74.4	404.5	253,500*	77.2	399.8	186,500*	170
	175	73.7	402.7	247,000*	76.5	398.0	182,600*	175
	180	72.9	400.8	240,700*	75.8	396.0	178,800*	180
	185	72.2	398.8	234,800*	75.0	394.0	175,200*	185
	190	71.5	396.7	229,100*	74.3	391.9	171,700*	190
	195	70.7	394.6	223,600*	73.5	389.7	168,400*	195
	200	70.0	392.4	218,500*	72.7	387.5	165,100*	200
	210	68.4	387.7	208,700*	71.2	382.8	159,000*	210
	220	66.9	382.7	199,800*	69.7	377.7	153,400*	220
	230	65.4	377.4	191,500*	68.1	372.3	148,100*	230
	240	63.8	371.7	180,200	66.5	366.5	143,200*	240
	250	62.2	365.6	165,000	64.9	360.3	138,500*	250
	260	60.5	359.1	151,100	63.2	353.8	134,200*	260
	270	58.9	352.2	138,300	61.5	346.8	130,200*	270
	280	57.2	344.9	126,500	59.8	339.3	126,400*	280
	290	55.4	337.1	115,600	58.0	331.4	122,800*	290
	300	53.7	328.8	105,400	56.2	322.9	112,900	300
	310	51.8	320.0	96,000	54.3	313.9	102,900	310
	320	49.9	310.5	87,100	52.4	304.3	93,700	320
	330	48.0	300.4	78,900	50.4	294.0	85,000	330
	340	46.0	289.6	71,100	48.3	282.9	76,700	340
	350	43.9	277.9	63,700	46.2	270.9	69,000	350
	360	41.7	265.4	56,800	43.9	258.0	61,600	360
	370	39.3	251.7	50,200	41.5	244.0	54,600	370
	380	36.9	236.9	43,900	39.0	228.5	48,000	380
	390	34.2	220.4	37,900	36.2	211.4	41,600	390
	400	31.4	202.0	32,200	33.2	192.1	35,400	400
	410				29.8	169.9	29,300	410

MANITOWOC ENGINEERING CO.

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



LIFTCRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

M-1200

JIB NO. 49A-44 WITH HEAVY LIFT TOP AND 58'6" STRUT ON

BOOM NO. 75A

MAST NO. 75 OR NO. 75A

60' RINGER ATTACHMENT ON SCREW JACK PEDESTALS

52,000 LB. CRANE COUNTERWEIGHT

1,049,600 LB. AUXILIARY COUNTERWEIGHT

360 DEGREE RATING

140 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	10 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	
300	130	80.7	442.4	330,000*				130
	135	80.0	441.2	325,200*				135
	140	79.4	439.9	315,300*				140
	145	78.7	438.6	306,000*				145
	150	78.0	437.2	297,200*	80.8	432.4	210,700*	150
	155	77.4	435.7	288,900*	80.1	431.0	206,000*	155
	160	76.7	434.2	281,000*	79.4	429.4	201,600*	160
	165	76.0	432.6	273,500*	78.7	427.8	197,300*	165
	170	75.3	431.0	266,300*	78.0	426.1	193,100*	170
	175	74.6	429.2	259,500*	77.3	424.4	189,200*	175
	180	73.9	427.4	253,100*	76.6	422.6	185,400*	180
	185	73.3	425.6	246,900*	75.9	420.7	181,700*	185
	190	72.6	423.6	241,000*	75.2	418.7	178,200*	190
	195	71.9	421.6	235,300*	74.5	416.7	174,800*	195
	200	71.2	419.6	229,900*	73.8	414.6	171,500*	200
	210	69.8	415.2	219,800*	72.4	410.2	165,400*	210
	220	68.3	410.6	209,000	70.9	405.5	159,600*	220
	230	66.9	405.6	190,600	69.5	400.5	154,200*	230
	240	65.4	400.3	173,900	68.0	395.1	149,200*	240
	250	63.9	394.7	158,600	66.5	389.4	144,400*	250
	260	62.4	388.7	144,700	65.0	383.4	140,000*	260
	270	60.9	382.4	131,900	63.4	376.9	135,800*	270
	280	59.3	375.7	120,000	61.8	370.1	129,400	280
	290	57.7	368.5	109,100	60.2	362.9	117,900	290
	300	56.1	361.0	98,900	58.6	355.2	107,300	300
	310	54.5	353.0	89,500	56.9	347.0	97,400	310
	320	52.8	344.5	80,600	55.1	338.4	88,100	320
	330	51.0	335.4	72,400	53.4	329.2	79,400	330
	340	49.2	325.8	64,600	51.5	319.4	71,200	340
	350	47.4	315.6	57,300	49.6	308.9	63,500	350
	360	45.5	304.6	50,300	47.7	297.7	56,200	360
	370	43.5	292.9	43,800	45.6	285.7	49,200	370
	380	41.4	280.3	37,600	43.5	272.7	42,600	380
	390	39.2	266.7	31,700	41.2	258.7	36,300	390
	400	36.9	251.8	26,000	38.8	243.3	30,300	400
	410	34.4	235.6	20,600	36.3	226.5	24,500	410
	420	31.8	217.6	15,400	33.5	207.6	18,900	420
	430	28.8	197.4	10,400	30.4	186.3	13,400	430

MANITOWOC ENGINEERING CO.

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



LIFTCRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

M-1200

JIB NO. 49A-44 WITH HEAVY LIFT TOP AND 58'6" STRUT ON

BOOM NO. 75A

MAST NO. 75 OR NO. 75A

60' RINGER ATTACHMENT ON SCREW JACK PEDESTALS

52,000 LB. CRANE COUNTERWEIGHT

1,049,600 LB. AUXILIARY COUNTERWEIGHT

360 DEGREE RATING

160 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	10 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	
150	110	81.0	314.0	307,400*				110
	115	80.1	312.6	293,100*				115
	120	79.1	311.1	280,000*				120
	125	78.2	309.5	267,900*				125
	130	77.2	307.9	256,700*				130
	135	76.2	306.1	246,400*	80.9	302.1	187,800*	135
	140	75.3	304.2	236,800*	79.9	300.2	181,500*	140
	145	74.3	302.3	227,800*	78.9	298.2	175,600*	145
	150	73.3	300.2	219,500*	77.9	296.1	170,000*	150
	155	72.3	298.1	211,700*	76.9	293.9	164,800*	155
	160	71.3	295.8	204,300*	75.9	291.6	159,800*	160
	165	70.3	293.4	197,500*	74.9	289.2	155,100*	165
	170	69.3	290.9	191,000*	73.8	286.7	150,600*	170
	175	68.2	288.3	184,900*	72.8	284.0	146,300*	175
	180	67.2	285.6	179,100*	71.7	281.3	142,300*	180
	185	66.1	282.8	173,600*	70.7	278.4	138,500*	185
	190	65.1	279.8	168,300*	69.6	275.4	134,800*	190
	195	64.0	276.8	163,300*	68.5	272.3	131,400*	195
	200	62.9	273.5	158,600*	67.4	269.0	128,000*	200
	210	60.7	266.7	149,800*	65.1	262.0	121,800*	210
	220	58.4	259.3	141,800*	62.8	254.5	116,200*	220
	230	56.1	251.2	134,400*	60.4	246.2	111,000*	230
	240	53.6	242.4	127,700*	57.9	237.2	106,200*	240
	250	51.1	232.8	121,600*	55.3	227.4	101,800*	250
	260	48.5	222.3	115,800*	52.6	216.6	97,800*	260
	270	45.7	210.8	110,600*	49.7	204.7	94,100*	270
	280	42.7	198.0	105,700*	46.7	191.5	90,700*	280
	290	39.5	183.6	101,100*	43.3	176.6	87,600*	290
	300	36.0	167.4	96,900*	39.7	159.6	84,700*	300
	310	32.1	148.4	93,000*	35.5	139.5	82,300*	310
	320				30.6	114.7	80,200*	320
175	120	80.0	337.0	287,000*				120
	125	79.1	335.6	275,300*				125
	130	78.2	334.0	264,500*				130
	135	77.3	332.4	254,400*				135
	140	76.4	330.7	245,000*	80.7	326.4	184,600*	140
	145	75.5	328.9	236,200*	79.8	324.6	178,900*	145
	150	74.6	327.0	227,900*	78.9	322.6	173,600*	150
	155	73.7	325.1	220,200*	78.0	320.6	168,600*	155
	160	72.8	323.0	212,900*	77.0	318.5	163,800*	160
	165	71.9	320.8	206,100*	76.1	316.3	159,200*	165
	170	70.9	318.6	199,600*	75.2	314.0	154,900*	170
	175	70.0	316.2	193,500*	74.2	311.6	150,800*	175
	180	69.0	313.7	187,800*	73.2	309.1	146,900*	180
	185	68.1	311.2	182,300*	72.3	306.5	143,200*	185
	190	67.1	308.5	177,100*	71.3	303.8	139,600*	190
	195	66.2	305.7	172,200*	70.3	301.0	136,200*	195
	200	65.2	302.8	167,500*	69.3	298.1	133,000*	200
	210	63.2	296.7	158,700*	67.3	291.8	126,900*	210
	220	61.2	290.1	150,800*	65.2	285.1	121,300*	220
	230	59.1	282.9	143,500*	63.1	277.8	116,100*	230
	240	56.9	275.2	136,900*	60.9	269.9	111,300*	240
	250	54.7	266.8	130,700*	58.7	261.4	107,000*	250
	260	52.4	257.8	125,100*	56.3	252.1	102,900*	260
	270	50.1	247.9	119,800*	53.9	242.1	99,100*	270
	280	47.6	237.3	115,000*	51.4	231.1	95,600*	280
	290	45.0	225.6	110,500*	48.7	219.1	92,400*	290
	300	42.2	212.7	106,300*	45.8	205.8	89,500*	300
	310	39.3	198.5	102,500*	42.8	191.0	86,800*	310
	320	36.1	182.4	98,900*	39.4	174.2	84,300*	320
	330	32.5	164.1	95,600*	35.7	154.8	82,100*	330
	340	28.5	142.4	92,600*	31.3	131.5	80,300*	340

MANITOWOC ENGINEERING CO.

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



LIFTCRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

M-1200

JIB NO. 49A-44 WITH HEAVY LIFT TOP AND 58'6" STRUT ON

BOOM NO. 75A

MAST NO. 75 OR NO. 75A

60' RINGER ATTACHMENT ON SCREW JACK PEDESTALS

52,000 LB. CRANE COUNTERWEIGHT

1,049,600 LB. AUXILIARY COUNTERWEIGHT

360 DEGREE RATING

160 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	10 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	120	80.7	362.8	295,200*				120
	125	79.9	361.5	283,800*				125
	130	79.0	360.1	273,100*				130
	135	78.2	358.6	263,100*				135
	140	77.4	357.0	253,800*				140
	145	76.6	355.3	245,000*	80.6	350.7	182,700*	145
	150	75.7	353.6	236,900*	79.7	349.0	177,600*	150
	155	74.9	351.7	229,200*	78.9	347.1	172,700*	155
	160	74.0	349.8	221,900*	78.0	345.2	168,100*	160
	165	73.2	347.9	215,000*	77.1	343.2	163,700*	165
	170	72.3	345.8	208,600*	76.3	341.0	159,500*	170
	175	71.5	343.6	202,400*	75.4	338.8	155,400*	175
	180	70.6	341.3	196,600*	74.5	336.6	151,600*	180
	185	69.7	339.0	191,100*	73.6	334.2	148,000*	185
	190	68.9	336.6	185,800*	72.8	331.7	144,400*	190
	195	68.0	334.0	180,900*	71.9	329.1	141,100*	195
	200	67.1	331.4	176,100*	70.9	326.4	137,900*	200
	210	65.3	325.8	167,200*	69.1	320.8	131,800*	210
	220	63.4	319.8	159,100*	67.2	314.7	126,300*	220
	230	61.6	313.3	151,700*	65.3	308.1	121,100*	230
	240	59.6	306.4	144,900*	63.4	301.0	116,400*	240
	250	57.7	299.0	138,600*	61.4	293.4	112,000*	250
	260	55.6	291.0	132,800*	59.3	285.3	107,900*	260
	270	53.6	282.3	127,400*	57.2	276.5	104,100*	270
	280	51.4	273.1	122,400*	55.0	267.0	100,500*	280
	290	49.2	263.1	117,700*	52.7	256.7	97,200*	290
	300	46.9	252.2	113,400*	50.3	245.6	94,100*	300
	310	44.4	240.4	109,300*	47.8	233.5	91,300*	310
	320	41.8	227.5	105,600*	45.1	220.1	88,700*	320
	330	39.1	213.3	98,800*	42.3	205.4	86,200*	330
	340	36.1	197.5	91,000*	39.2	188.9	84,000*	340
	350	32.9	179.6	83,600*	35.8	170.0	82,100*	350
	360	29.3	158.9	76,500*	31.9	147.8	78,800*	360
	370				27.2	120.3	71,300*	370

MANITOWOC ENGINEERING CO.

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



LIFTCRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

M-1200

JIB NO. 49A-44 WITH HEAVY LIFT TOP AND 58'6" STRUT ON

BOOM NO. 75A

MAST NO. 75 OR NO. 75A

60' RINGER ATTACHMENT ON SCREW JACK PEDESTALS

52,000 LB. CRANE COUNTERWEIGHT

1,049,600 LB. AUXILIARY COUNTERWEIGHT

360 DEGREE RATING

160 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	10 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 5	125	80.5	387.3	293,600*				125
	130	79.8	385.9	283,000*				130
	135	79.0	384.5	273,000*				135
	140	78.2	383.1	263,700*				140
	145	77.5	381.5	254,900*				145
	150	76.7	379.9	246,700*	80.4	375.1	182,100*	150
	155	75.9	378.2	238,900*	79.6	373.4	177,300*	155
	160	75.1	376.4	231,600*	78.8	371.6	172,800*	160
	165	74.3	374.6	224,700*	78.0	369.7	168,500*	165
	170	73.5	372.7	218,100*	77.2	367.7	164,300*	170
	175	72.7	370.7	211,900*	76.4	365.7	160,400*	175
	180	71.9	368.6	206,000*	75.6	363.6	156,600*	180
	185	71.1	366.4	200,400*	74.8	361.4	153,000*	185
	190	70.3	364.2	195,100*	74.0	359.1	149,500*	190
	195	69.5	361.8	190,000*	73.2	356.7	146,200*	195
	200	68.7	359.4	185,100*	72.3	354.3	143,000*	200
	210	67.0	354.3	176,100*	70.6	349.1	137,000*	210
	220	65.4	348.8	167,800*	68.9	343.5	131,400*	220
	230	63.6	342.9	160,100*	67.2	337.5	126,200*	230
	240	61.9	336.6	153,100*	65.4	331.1	121,500*	240
	250	60.1	329.8	146,600*	63.6	324.2	117,000*	250
	260	58.3	322.6	140,600*	61.7	316.9	112,900*	260
	270	56.4	314.9	135,100*	59.8	309.0	109,000*	270
	280	54.5	306.7	129,900*	57.9	300.6	105,400*	280
	290	52.5	297.8	125,000*	55.9	291.6	102,000*	290
	300	50.5	288.4	119,300	53.8	281.9	98,800*	300
	310	48.4	278.2	109,900	51.6	271.5	95,900*	310
	320	46.2	267.2	101,100	49.4	260.2	93,100*	320
	330	43.9	255.3	92,900	47.0	247.9	90,500*	330
	340	41.5	242.4	85,100	44.5	234.6	88,200*	340
	350	38.9	228.2	77,800	41.9	219.9	81,900	350
	360	36.2	212.6	70,800	39.0	203.6	74,400	360
	370	33.2	195.0	64,200	35.9	185.2	67,300	370
	380	29.9	175.0	57,800	32.4	163.9	60,400	380
	390				28.3	138.3	53,700	390

MANITOWOC ENGINEERING CO.

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



LIFTCRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

M-1200

JIB NO. 49A-44 WITH HEAVY LIFT TOP AND 58'6" STRUT ON

BOOM NO. 75A

MAST NO. 75 OR NO. 75A

60' RINGER ATTACHMENT ON SCREW JACK PEDESTALS

52,000 LB. CRANE COUNTERWEIGHT

1,049,600 LB. AUXILIARY COUNTERWEIGHT

360 DEGREE RATING

160 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	10 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	
250	130	80.4	411.7	294,500*				130
	135	79.7	410.4	284,500*				135
	140	79.0	409.0	275,000*				140
	145	78.2	407.6	266,100*				145
	150	77.5	406.1	257,700*	81.0	401.1	187,400*	150
	155	76.8	404.5	249,800*	80.3	399.5	182,700*	155
	160	76.1	402.8	242,400*	79.6	397.8	178,200*	160
	165	75.3	401.1	235,300*	78.8	396.0	173,900*	165
	170	74.6	399.3	228,600*	78.1	394.2	169,800*	170
	175	73.8	397.4	222,200*	77.3	392.3	165,800*	175
	180	73.1	395.5	216,200*	76.6	390.4	162,100*	180
	185	72.4	393.5	210,400*	75.8	388.3	158,500*	185
	190	71.6	391.4	205,000*	75.0	386.2	155,000*	190
	195	70.8	389.2	199,700*	74.3	384.0	151,700*	195
	200	70.1	387.0	194,800*	73.5	381.7	148,400*	200
	210	68.6	382.2	185,400*	71.9	376.9	142,400*	210
	220	67.0	377.2	176,900*	70.4	371.8	136,800*	220
	230	65.4	371.7	169,000*	68.8	366.3	131,600*	230
	240	63.8	365.9	161,800*	67.1	360.4	126,800*	240
	250	62.2	359.8	155,000*	65.5	354.1	122,200*	250
	260	60.5	353.2	148,800*	63.8	347.4	118,000*	260
	270	58.8	346.2	143,000*	62.1	340.3	114,100*	270
	280	57.1	338.7	132,600	60.3	332.7	110,400*	280
	290	55.3	330.8	121,700	58.5	324.6	106,900*	290
	300	53.5	322.3	111,600	56.6	315.9	103,600*	300
	310	51.6	313.3	102,200	54.7	306.7	100,600*	310
	320	49.7	303.6	93,400	52.8	296.8	97,700*	320
	330	47.7	293.3	85,200	50.7	286.2	91,300	330
	340	45.6	282.1	77,500	48.6	274.8	83,100	340
	350	43.5	270.2	70,200	46.4	262.5	75,300	350
	360	41.2	257.2	63,300	44.0	249.1	68,000	360
	370	38.8	243.1	56,700	41.5	234.5	61,000	370
	380	36.2	227.6	50,500	38.9	218.3	54,300	380
	390	33.5	210.4	44,500	36.0	200.3	47,900	390
	400	30.5	191.0	38,800	32.8	179.8	41,700	400
	410				29.1	155.6	35,600	410

MANITOWOC ENGINEERING CO.

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



LIFTCRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

M-1200

JIB NO. 49A-44 WITH HEAVY LIFT TOP AND 58'6" STRUT ON

BOOM NO. 75A

MAST NO. 75 OR NO. 75A

60' RINGER ATTACHMENT ON SCREW JACK PEDESTALS

52,000 LB. CRANE COUNTERWEIGHT

1,049,600 LB. AUXILIARY COUNTERWEIGHT

360 DEGREE RATING

160 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	10 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	
275	135	80.3	436.1	285,300*				135
	140	79.6	434.8	276,400*				140
	145	78.9	433.5	267,900*				145
	150	78.3	432.1	259,900*				150
	155	77.6	430.6	252,400*				155
	160	76.9	429.0	245,200*	80.2	423.8	178,600*	160
	165	76.2	427.4	238,400*	79.5	422.2	174,600*	165
	170	75.5	425.7	232,000*	78.8	420.5	170,700*	170
	175	74.8	424.0	225,800*	78.1	418.7	167,000*	175
	180	74.1	422.2	220,000*	77.4	416.9	163,400*	180
	185	73.4	420.3	214,400*	76.7	415.0	159,900*	185
	190	72.7	418.3	209,100*	76.0	413.0	156,600*	190
	195	72.0	416.3	204,000*	75.2	411.0	153,400*	195
	200	71.3	414.2	199,100*	74.5	408.8	150,300*	200
	210	69.9	409.8	190,000*	73.1	404.4	144,500*	210
	220	68.4	405.1	181,600*	71.6	399.6	139,100*	220
	230	67.0	400.0	173,800*	70.1	394.5	134,100*	230
	240	65.5	394.7	166,700*	68.6	389.0	129,400*	240
	250	64.0	389.0	160,000*	67.1	383.2	125,000*	250
	260	62.4	382.9	153,800*	65.5	377.1	120,900*	260
	270	60.9	376.5	141,200	64.0	370.5	117,000*	270
	280	59.3	369.7	129,300	62.3	363.6	113,400*	280
	290	57.7	362.4	118,300	60.7	356.2	109,900*	290
	300	56.0	354.7	108,100	59.0	348.4	106,700*	300
	310	54.3	346.6	98,600	57.3	340.1	103,700*	310
	320	52.6	337.9	89,800	55.5	331.2	97,100	320
	330	50.8	328.7	81,400	53.7	321.8	88,300	330
	340	49.0	318.8	73,600	51.8	311.7	80,100	340
	350	47.1	308.3	66,300	49.9	301.0	72,300	350
	360	45.1	297.1	59,300	47.9	289.5	64,900	360
	370	43.1	285.1	52,700	45.8	277.1	58,000	370
	380	40.9	272.1	46,500	43.6	263.7	51,300	380
	390	38.7	258.0	40,500	41.2	249.1	44,900	390
	400	36.3	242.6	34,900	38.7	233.1	38,800	400
	410	33.7	225.7	29,400	36.0	215.4	33,000	410
	420	30.9	206.8	24,200	33.1	195.5	27,200	420
	430				29.8	172.5	21,600	430

MANITOWOC ENGINEERING CO.

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



LIFTCRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

M-1200

JIB NO. 49A-44 WITH HEAVY LIFT TOP AND 58'6" STRUT ON

BOOM NO. 75A

MAST NO. 75 OR NO. 75A

60' RINGER ATTACHMENT ON SCREW JACK PEDESTALS

52,000 LB. CRANE COUNTERWEIGHT

1,049,600 LB. AUXILIARY COUNTERWEIGHT

360 DEGREE RATING

160 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	10 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	
300	135	80.8	461.8	298,200*				135
	140	80.2	460.6	289,000*				140
	145	79.6	459.3	280,300*				145
	150	78.9	458.0	272,100*				150
	155	78.3	456.6	264,300*				155
	160	77.6	455.1	256,900*	80.7	449.8	184,500*	160
	165	77.0	453.6	249,900*	80.1	448.3	180,400*	165
	170	76.3	452.0	243,300*	79.4	446.7	176,500*	170
	175	75.7	450.4	236,900*	78.8	445.0	172,800*	175
	180	75.0	448.7	230,900*	78.1	443.3	169,100*	180
	185	74.4	446.9	225,100*	77.4	441.5	165,700*	185
	190	73.7	445.1	219,600*	76.8	439.6	162,300*	190
	195	73.0	443.2	214,300*	76.1	437.7	159,100*	195
	200	72.4	441.2	209,300*	75.4	435.7	156,000*	200
	210	71.0	437.1	199,800*	74.1	431.5	150,100*	210
	220	69.7	432.6	191,100*	72.7	427.0	144,600*	220
	230	68.3	427.9	183,100*	71.3	422.3	139,500*	230
	240	66.9	422.9	175,600*	69.9	417.2	134,700*	240
	250	65.5	417.6	161,700	68.5	411.8	130,200*	250
	260	64.1	412.0	147,600	67.0	406.1	126,000*	260
	270	62.7	406.1	134,800	65.6	400.1	122,100*	270
	280	61.2	399.7	122,900	64.1	393.7	118,300*	280
	290	59.7	393.1	111,900	62.6	386.9	114,800*	290
	300	58.2	386.0	101,600	61.0	379.7	110,900	300
	310	56.7	378.5	92,100	59.5	372.1	100,900	310
	320	55.1	370.6	83,200	57.9	364.0	91,500	320
	330	53.5	362.3	74,900	56.2	355.5	82,700	330
	340	51.8	353.4	67,100	54.5	346.5	74,500	340
	350	50.1	344.0	59,800	52.8	336.9	66,700	350
	360	48.4	334.0	52,800	51.0	326.7	59,400	360
	370	46.6	323.4	46,300	49.2	315.8	52,400	370
	380	44.7	312.1	40,000	47.2	304.2	45,800	380
	390	42.7	300.0	34,100	45.2	291.7	39,500	390
	400	40.7	287.0	28,500	43.2	278.3	33,500	400
	410	38.6	272.9	23,100	40.9	263.8	27,700	410
	420	36.3	257.7	18,000	38.6	248.0	22,200	420
	430	33.9	241.0	13,000	36.1	230.5	16,800	430
	440				33.3	211.1	11,600	440

MANITOWOC ENGINEERING CO.

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



LIFTCRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

M-1200

JIB NO. 49A-44 WITH HEAVY LIFT TOP AND 58'6" STRUT ON

BOOM NO. 75A

MAST NO. 75 OR NO. 75A

60' RINGER ATTACHMENT ON SCREW JACK PEDESTALS

52,000 LB. CRANE COUNTERWEIGHT

1,049,600 LB. AUXILIARY COUNTERWEIGHT

360 DEGREE RATING

180 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	10 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	
150	120	80.7	331.8	262,800*				120
	125	79.8	330.3	251,100*				125
	130	78.9	328.7	240,300*				130
	135	78.0	327.1	230,300*				135
	140	77.1	325.3	221,000*				140
	145	76.2	323.5	212,400*	80.7	319.6	165,900*	145
	150	75.3	321.6	204,300*	79.8	317.6	160,400*	150
	155	74.3	319.6	196,700*	78.9	315.6	155,200*	155
	160	73.4	317.5	189,600*	77.9	313.5	150,400*	160
	165	72.5	315.3	182,900*	77.0	311.2	145,700*	165
	170	71.5	313.0	176,700*	76.0	308.9	141,300*	170
	175	70.6	310.6	170,700*	75.0	306.5	137,200*	175
	180	69.6	308.0	165,100*	74.1	303.9	133,200*	180
	185	68.6	305.4	159,800*	73.1	301.3	129,500*	185
	190	67.7	302.7	154,800*	72.1	298.5	125,900*	190
	195	66.7	299.9	150,100*	71.1	295.6	122,400*	195
	200	65.7	296.9	145,500*	70.1	292.6	119,200*	200
	210	63.6	290.6	137,100*	68.0	286.3	113,100*	210
	220	61.6	283.9	129,500*	65.9	279.4	107,500*	220
	230	59.4	276.5	122,500*	63.7	271.9	102,400*	230
	240	57.2	268.6	116,100*	61.5	263.8	97,700*	240
	250	55.0	260.0	110,200*	59.2	255.1	93,300*	250
	260	52.6	250.7	104,700*	56.8	245.6	89,300*	260
	270	50.2	240.6	99,700*	54.3	235.2	85,600*	270
	280	47.6	229.6	95,000*	51.7	223.9	82,200*	280
	290	44.9	217.5	90,700*	48.9	211.5	79,000*	290
	300	42.0	204.1	86,600*	45.9	197.6	76,100*	300
	310	38.9	189.1	82,800*	42.7	182.1	73,400*	310
	320	35.6	172.2	79,200*	39.2	164.4	70,900*	320
	330	31.8	152.5	75,900*	35.1	143.6	68,800*	330
	340				30.3	117.8	66,900*	340
175	125	80.6	356.2	259,900*				125
	130	79.7	354.7	249,400*				130
	135	78.9	353.2	239,600*				135
	140	78.0	351.6	230,500*				140
	145	77.2	349.9	222,000*				145
	150	76.4	348.1	214,100*	80.6	343.9	163,000*	150
	155	75.5	346.3	206,600*	79.7	342.0	158,100*	155
	160	74.6	344.3	199,600*	78.8	340.1	153,400*	160
	165	73.8	342.3	193,000*	78.0	338.0	149,000*	165
	170	72.9	340.2	186,700*	77.1	335.9	144,700*	170
	175	72.0	338.0	180,800*	76.2	333.6	140,700*	175
	180	71.2	335.7	175,300*	75.3	331.3	136,900*	180
	185	70.3	333.3	170,000*	74.4	328.9	133,200*	185
	190	69.4	330.8	165,000*	73.5	326.4	129,800*	190
	195	68.5	328.2	160,200*	72.6	323.7	126,400*	195
	200	67.6	325.6	155,700*	71.7	321.0	123,300*	200
	210	65.7	319.9	147,200*	69.8	315.2	117,300*	210
	220	63.8	313.8	139,600*	67.9	309.0	111,800*	220
	230	61.9	307.2	132,500*	65.9	302.3	106,800*	230
	240	60.0	300.1	126,100*	63.9	295.1	102,100*	240
	250	58.0	292.5	120,200*	61.9	287.4	97,800*	250
	260	55.9	284.3	114,700*	59.8	279.0	93,800*	260
	270	53.8	275.4	109,600*	57.6	270.0	90,000*	270
	280	51.5	265.9	104,900*	55.4	260.3	86,600*	280
	290	49.2	255.6	100,500*	53.0	249.7	83,400*	290
	300	46.8	244.4	96,300*	50.5	238.3	80,400*	300
	310	44.3	232.2	92,300*	47.9	225.7	77,600*	310
	320	41.6	218.8	88,600*	45.2	211.9	75,000*	320
	330	38.8	204.0	85,100*	42.2	196.4	72,700*	330
	340	35.7	187.3	81,800*	39.0	179.0	70,500*	340
	350	32.2	168.2	78,700*	35.3	158.9	68,600*	350
	360				31.1	134.8	67,000*	360

MANITOWOC ENGINEERING CO.

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



LIFTCRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

M-1200

JIB NO. 49A-44 WITH HEAVY LIFT TOP AND 58'6" STRUT ON

BOOM NO. 75A

MAST NO. 75 OR NO. 75A

60' RINGER ATTACHMENT ON SCREW JACK PEDESTALS

52,000 LB. CRANE COUNTERWEIGHT

1,049,600 LB. AUXILIARY COUNTERWEIGHT

360 DEGREE RATING

180 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	10 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	130	80.4	380.6	256,600*				130
	135	79.6	379.2	247,000*				135
	140	78.9	377.7	238,100*				140
	145	78.1	376.1	229,600*				145
	150	77.3	374.5	221,700*				150
	155	76.5	372.7	214,300*	80.4	368.2	161,400*	155
	160	75.7	371.0	207,300*	79.6	366.4	156,900*	160
	165	74.9	369.1	200,700*	78.8	364.5	152,600*	165
	170	74.1	367.1	194,500*	78.0	362.5	148,500*	170
	175	73.3	365.1	188,600*	77.2	360.5	144,600*	175
	180	72.5	363.0	183,000*	76.4	358.3	140,900*	180
	185	71.7	360.8	177,700*	75.5	356.1	137,300*	185
	190	70.8	358.5	172,600*	74.7	353.8	133,900*	190
	195	70.0	356.1	167,800*	73.9	351.4	130,600*	195
	200	69.2	353.6	163,300*	73.0	348.9	127,500*	200
	210	67.5	348.4	154,700*	71.3	343.6	121,600*	210
	220	65.8	342.8	147,000*	69.6	337.9	116,200*	220
	230	64.0	336.8	139,800*	67.8	331.8	111,200*	230
	240	62.2	330.4	133,200*	66.0	325.3	106,500*	240
	250	60.4	323.5	127,200*	64.1	318.3	102,200*	250
	260	58.6	316.2	121,600*	62.2	310.8	98,200*	260
	270	56.7	308.3	116,400*	60.3	302.8	94,400*	270
	280	54.7	299.9	111,500*	58.3	294.2	90,900*	280
	290	52.7	290.8	107,000*	56.2	284.9	87,700*	290
	300	50.6	281.1	102,800*	54.1	275.0	84,600*	300
	310	48.4	270.6	98,900*	51.9	264.3	81,800*	310
	320	46.2	259.3	95,300*	49.6	252.7	79,100*	320
	330	43.8	247.0	91,800*	47.1	240.0	76,700*	330
	340	41.3	233.6	88,600*	44.5	226.2	74,400*	340
	350	38.6	218.8	85,000*	41.8	210.9	72,300*	350
	360	35.8	202.4	78,100	38.8	193.7	70,300*	360
	370	32.6	183.9	71,500	35.5	174.2	68,600*	370
	380	29.1	162.4	65,100	31.7	151.3	67,100*	380
	390				27.1	122.9	60,600	390

MANITOWOC ENGINEERING CO.

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



LIFT CRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

M-1200

JIB NO. 49A-44 WITH HEAVY LIFT TOP AND 58'6" STRUT ON

BOOM NO. 75A

MAST NO. 75 OR NO. 75A

60' RINGER ATTACHMENT ON SCREW JACK PEDESTALS

52,000 LB. CRANE COUNTERWEIGHT

1,049,600 LB. AUXILIARY COUNTERWEIGHT

360 DEGREE RATING

180 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	10 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 5	135	80.3	405.0	255,700*				135
	140	79.6	403.6	246,700*				140
	145	78.8	402.1	238,300*				145
	150	78.1	400.6	230,400*				150
	155	77.4	399.0	222,900*				155
	160	76.6	397.3	215,900*	80.3	392.6	160,900*	160
	165	75.9	395.6	209,200*	79.5	390.8	156,700*	165
	170	75.1	393.8	203,000*	78.8	389.0	152,700*	170
	175	74.4	391.9	197,000*	78.0	387.1	148,800*	175
	180	73.6	389.9	191,300*	77.3	385.1	145,200*	180
	185	72.9	387.9	185,900*	76.5	383.0	141,700*	185
	190	72.1	385.7	180,800*	75.7	380.9	138,300*	190
	195	71.3	383.5	175,900*	74.9	378.6	135,000*	195
	200	70.6	381.3	171,300*	74.2	376.3	131,900*	200
	210	69.0	376.4	162,600*	72.6	371.4	126,100*	210
	220	67.4	371.3	154,600*	71.0	366.2	120,700*	220
	230	65.8	365.8	147,300*	69.3	360.6	115,700*	230
	240	64.2	359.9	140,600*	67.7	354.6	111,000*	240
	250	62.5	353.6	134,400*	66.0	348.2	106,700*	250
	260	60.8	346.9	128,600*	64.3	341.4	102,600*	260
	270	59.1	339.8	123,300*	62.5	334.2	98,900*	270
	280	57.3	332.2	118,300*	60.7	326.4	95,300*	280
	290	55.5	324.0	113,600*	58.9	318.2	92,000*	290
	300	53.7	315.4	109,300*	57.0	309.3	88,900*	300
	310	51.8	306.1	105,200*	55.0	299.9	86,000*	310
	320	49.8	296.2	101,400*	53.0	289.8	83,300*	320
	330	47.7	285.6	94,100	50.9	278.9	80,700*	330
	340	45.6	274.2	86,400	48.7	267.1	78,300*	340
	350	43.4	261.8	79,100	46.4	254.4	76,100*	350
	360	41.0	248.4	72,200	44.0	240.6	74,000*	360
	370	38.5	233.7	65,600	41.4	225.4	69,700	370
	380	35.8	217.5	59,400	38.6	208.5	63,000	380
	390	32.9	199.4	53,400	35.6	189.5	56,500	390
	400	29.7	178.7	47,600	32.1	167.5	50,300	400
	410				28.1	141.1	44,100	410

MANITOWOC ENGINEERING CO.

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



LIFTCRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

M-1200

JIB NO. 49A-44 WITH HEAVY LIFT TOP AND 58'6" STRUT ON

BOOM NO. 75A

MAST NO. 75 OR NO. 75A

60' RINGER ATTACHMENT ON SCREW JACK PEDESTALS

52,000 LB. CRANE COUNTERWEIGHT

1,049,600 LB. AUXILIARY COUNTERWEIGHT

360 DEGREE RATING

180 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	10 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	
250	135	80.9	430.7	265,800*				135
	140	80.2	429.4	256,800*				140
	145	79.5	428.1	248,300*				145
	150	78.8	426.6	240,200*				150
	155	78.1	425.1	232,700*				155
	160	77.4	423.6	225,500*	80.9	418.6	165,600*	160
	165	76.7	421.9	218,700*	80.2	417.0	161,500*	165
	170	76.0	420.2	212,300*	79.5	415.3	157,500*	170
	175	75.3	418.5	206,200*	78.8	413.5	153,700*	175
	180	74.6	416.6	200,500*	78.1	411.6	150,000*	180
	185	73.9	414.7	195,000*	77.3	409.7	146,500*	185
	190	73.2	412.7	189,700*	76.6	407.7	143,100*	190
	195	72.5	410.7	184,700*	75.9	405.6	139,900*	195
	200	71.8	408.5	179,900*	75.2	403.4	136,800*	200
	210	70.3	404.1	171,000*	73.7	398.9	131,000*	210
	220	68.8	399.3	162,800*	72.2	394.0	125,500*	220
	230	67.4	394.2	155,300*	70.7	388.8	120,500*	230
	240	65.9	388.7	148,400*	69.2	383.3	115,800*	240
	250	64.3	382.9	142,000*	67.6	377.4	111,400*	250
	260	62.8	376.8	136,000*	66.0	371.2	107,300*	260
	270	61.2	370.2	130,500*	64.4	364.5	103,500*	270
	280	59.6	363.3	125,300*	62.8	357.5	99,900*	280
	290	57.9	355.9	120,500*	61.1	350.0	96,500*	290
	300	56.2	348.0	112,900	59.4	342.0	93,300*	300
	310	54.5	339.7	103,500	57.6	333.5	90,300*	310
	320	52.7	330.9	94,700	55.8	324.5	87,500*	320
	330	50.9	321.4	86,400	54.0	314.8	84,800*	330
	340	49.1	311.3	78,700	52.1	304.5	82,400*	340
	350	47.1	300.6	71,400	50.1	293.5	77,500	350
	360	45.1	289.1	64,500	48.0	281.7	70,200	360
	370	43.0	276.6	58,000	45.8	268.9	63,200	370
	380	40.8	263.2	51,800	43.5	255.1	56,600	380
	390	38.4	248.6	45,900	41.1	239.9	50,300	390
	400	35.9	232.6	40,300	38.5	223.3	44,200	400
	410	33.2	214.8	34,900	35.7	204.7	38,300	410
	420	30.3	194.8	29,700	32.5	183.5	32,600	420
	430				29.0	158.6	27,000	430

MANITOWOC ENGINEERING CO.

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



LIFTCRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

M-1200

JIB NO. 49A-44 WITH HEAVY LIFT TOP AND 58'6" STRUT ON

BOOM NO. 75A

MAST NO. 75 OR NO. 75A

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52,000 LB. CRANE COUNTERWEIGHT

1,049,600 LB. AUXILIARY COUNTERWEIGHT

360 DEGREE RATING

180 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	10 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	
275	140	80.7	455.2	257,400*				140
	145	80.1	453.9	249,300*				145
	150	79.4	452.5	241,600*				150
	155	78.8	451.1	234,400*				155
	160	78.1	449.6	227,600*				160
	165	77.5	448.1	221,100*				165
	170	76.8	446.5	214,900*	80.1	441.4	157,900*	170
	175	76.2	444.8	209,000*	79.4	439.7	154,300*	175
	180	75.5	443.1	203,500*	78.8	437.9	150,800*	180
	185	74.8	441.3	198,100*	78.1	436.1	147,500*	185
	190	74.2	439.5	193,000*	77.4	434.2	144,300*	190
	195	73.5	437.5	188,200*	76.7	432.3	141,200*	195
	200	72.8	435.5	183,500*	76.0	430.3	138,200*	200
	210	71.5	431.3	174,800*	74.7	426.0	132,600*	210
	220	70.1	426.9	166,800*	73.3	421.5	127,400*	220
	230	68.7	422.1	159,400*	71.9	416.7	122,500*	230
	240	67.3	417.0	152,600*	70.4	411.5	118,000*	240
	250	65.9	411.7	146,300*	69.0	406.1	113,700*	250
	260	64.4	405.9	140,400*	67.5	400.3	109,700*	260
	270	63.0	399.9	134,800*	66.1	394.1	106,000*	270
	280	61.5	393.5	129,700*	64.5	387.6	102,400*	280
	290	60.0	386.7	119,700	63.0	380.7	99,100*	290
	300	58.4	379.5	109,500	61.4	373.4	96,000*	300
	310	56.9	371.9	100,000	59.8	365.7	93,000*	310
	320	55.3	363.9	91,100	58.2	357.5	90,300*	320
	330	53.6	355.3	82,700	56.5	348.8	87,600*	330
	340	51.9	346.3	74,900	54.8	339.6	82,300	340
	350	50.2	336.7	67,500	53.0	329.8	74,500	350
	360	48.4	326.5	60,600	51.2	319.3	67,100	360
	370	46.5	315.6	54,000	49.3	308.2	60,100	370
	380	44.6	304.0	47,800	47.3	296.3	53,500	380
	390	42.6	291.5	41,900	45.3	283.4	47,100	390
	400	40.5	278.1	36,200	43.1	269.6	41,100	400
	410	38.3	263.5	30,800	40.8	254.6	35,300	410
	420	36.0	247.7	25,600	38.4	238.1	29,700	420
	430	33.5	230.2	20,700	35.8	219.8	24,200	430
	440	30.7	210.8	15,800	32.9	199.3	19,000	440
	450				29.6	175.6	13,800	450

MANITOWOC ENGINEERING CO.

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LIFTCRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

M-1200

JIB NO. 49A-44 WITH HEAVY LIFT TOP AND 58'6" STRUT ON

BOOM NO. 75A

MAST NO. 75 OR NO. 75A

60' RINGER ATTACHMENT ON SCREW JACK PEDESTALS

52,000 LB. CRANE COUNTERWEIGHT

1,049,600 LB. AUXILIARY COUNTERWEIGHT

360 DEGREE RATING

200 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	10 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	
150	125	80.9	351.1	238,900*				125
	130	80.1	349.7	228,400*				130
	135	79.3	348.1	218,700*				135
	140	78.4	346.5	209,700*				140
	145	77.5	344.8	201,300*				145
	150	76.7	343.0	193,500*				150
	155	75.8	341.1	186,100*	80.5	337.2	149,200*	155
	160	74.9	339.1	179,200*	79.6	335.2	144,300*	160
	165	74.1	337.1	172,800*	78.7	333.1	139,700*	165
	170	73.2	334.9	166,700*	77.8	330.9	135,400*	170
	175	72.3	332.7	161,000*	76.9	328.6	131,300*	175
	180	71.4	330.4	155,600*	76.0	326.3	127,400*	180
	185	70.5	327.9	150,400*	75.1	323.8	123,600*	185
	190	69.6	325.4	145,600*	74.2	321.3	120,100*	190
	195	68.7	322.8	141,000*	73.3	318.6	116,700*	195
	200	67.7	320.0	136,600*	72.3	315.8	113,500*	200
	210	65.9	314.2	128,500*	70.4	309.9	107,400*	210
	220	64.0	308.0	121,100*	68.5	303.6	101,900*	220
	230	62.0	301.3	114,400*	66.5	296.8	96,800*	230
	240	60.0	294.1	108,200*	64.5	289.4	92,200*	240
	250	58.0	286.3	102,500*	62.4	281.5	87,800*	250
	260	55.8	277.9	97,200*	60.2	273.0	83,900*	260
	270	53.6	268.8	92,400*	58.0	263.8	80,100*	270
	280	51.4	259.1	87,800*	55.7	253.8	76,700*	280
	290	49.0	248.5	83,600*	53.3	242.9	73,500*	290
	300	46.5	236.9	79,700*	50.7	231.1	70,500*	300
	310	43.9	224.3	76,000*	48.0	218.1	67,800*	310
	320	41.1	210.3	72,600*	45.2	203.7	65,200*	320
	330	38.1	194.8	69,300*	42.0	187.6	62,900*	330
	340	34.9	177.2	66,300*	38.6	169.2	60,700*	340
	350	31.2	156.9	63,400*	34.7	147.7	58,800*	350
	360				30.1	121.1	57,100*	360
175	130	80.8	375.5	239,300*				130
	135	80.0	374.1	229,700*				135
	140	79.2	372.6	220,800*				140
	145	78.4	371.0	212,500*				145
	150	77.6	369.3	204,700*				150
	155	76.8	367.6	197,400*				155
	160	76.0	365.8	190,500*	80.4	361.5	146,700*	160
	165	75.2	363.9	184,100*	79.5	359.6	142,300*	165
	170	74.4	361.9	178,000*	78.7	357.6	138,100*	170
	175	73.6	359.8	172,200*	77.9	355.5	134,200*	175
	180	72.7	357.7	166,700*	77.0	353.3	130,400*	180
	185	71.9	355.4	161,500*	76.2	351.0	126,800*	185
	190	71.1	353.1	156,500*	75.4	348.7	123,400*	190
	195	70.2	350.7	151,800*	74.5	346.2	120,100*	195
	200	69.4	348.2	147,400*	73.6	343.7	116,900*	200
	210	67.7	342.9	139,000*	71.9	338.3	111,000*	210
	220	65.9	337.2	131,400*	70.1	332.5	105,600*	220
	230	64.1	331.1	124,500*	68.3	326.3	100,700*	230
	240	62.3	324.5	118,100*	66.5	319.7	96,000*	240
	250	60.5	317.5	112,200*	64.6	312.6	91,800*	250
	260	58.6	310.0	106,700*	62.7	304.9	87,800*	260
	270	56.6	302.0	101,700*	60.7	296.8	84,100*	270
	280	54.6	293.4	97,000*	58.7	288.0	80,700*	280
	290	52.6	284.1	92,600*	56.6	278.5	77,500*	290
	300	50.4	274.1	88,500*	54.4	268.3	74,500*	300
	310	48.2	263.4	84,600*	52.1	257.3	71,700*	310
	320	45.9	251.7	81,000*	49.7	245.3	69,100*	320
	330	43.4	239.0	77,600*	47.2	232.3	66,700*	330
	340	40.8	225.1	74,500*	44.5	217.9	64,400*	340
	350	38.0	209.7	71,500*	41.6	202.0	62,300*	350
	360	35.0	192.5	68,600*	38.5	183.9	60,400*	360
	370	31.7	172.8	66,000*	34.9	163.2	58,700*	370
	380				30.8	138.2	57,200*	380

MANITOWOC ENGINEERING CO.

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



LIFTCRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

M-1200

JIB NO. 49A-44 WITH HEAVY LIFT TOP AND 58'6" STRUT ON

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MAST NO. 75 OR NO. 75A

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52,000 LB. CRANE COUNTERWEIGHT

1,049,600 LB. AUXILIARY COUNTERWEIGHT

360 DEGREE RATING

200 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	10 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	135	80.6	399.9	236,200*				135
	140	79.9	398.5	227,400*				140
	145	79.2	397.0	219,200*				145
	150	78.4	395.5	211,500*				150
	155	77.7	393.9	204,200*				155
	160	76.9	392.2	197,400*				160
	165	76.2	390.4	191,000*	80.2	385.8	145,400*	165
	170	75.4	388.6	184,900*	79.5	384.0	141,300*	170
	175	74.6	386.6	179,200*	78.7	382.0	137,500*	175
	180	73.9	384.6	173,700*	77.9	380.0	133,800*	180
	185	73.1	382.6	168,500*	77.1	377.9	130,300*	185
	190	72.3	380.4	163,600*	76.4	375.7	126,900*	190
	195	71.5	378.2	158,900*	75.6	373.5	123,700*	195
	200	70.8	375.9	154,500*	74.8	371.1	120,600*	200
	210	69.2	371.0	146,200*	73.2	366.2	114,800*	210
	220	67.6	365.7	138,600*	71.5	360.9	109,500*	220
	230	65.9	360.1	131,600*	69.9	355.2	104,600*	230
	240	64.3	354.1	125,300*	68.2	349.1	100,000*	240
	250	62.6	347.8	119,400*	66.5	342.6	95,700*	250
	260	60.9	340.9	113,900*	64.7	335.7	91,800*	260
	270	59.1	333.7	108,800*	63.0	328.3	88,100*	270
	280	57.3	325.9	104,100*	61.1	320.4	84,600*	280
	290	55.5	317.6	99,800*	59.2	312.0	81,400*	290
	300	53.6	308.8	95,700*	57.3	302.9	78,400*	300
	310	51.6	299.3	91,800*	55.3	293.3	75,500*	310
	320	49.6	289.2	88,200*	53.2	282.9	72,900*	320
	330	47.5	278.3	84,900*	51.1	271.7	70,400*	330
	340	45.3	266.5	81,700*	48.8	259.7	68,100*	340
	350	43.0	253.8	78,800*	46.5	246.6	65,900*	350
	360	40.6	239.9	76,000*	43.9	232.2	63,900*	360
	370	38.0	224.6	73,200*	41.3	216.4	62,000*	370
	380	35.2	207.7	68,400	38.3	198.7	60,200*	380
	390	32.1	188.5	62,400	35.1	178.5	58,700*	390
	400	28.6	166.4	56,700	31.4	154.9	57,300*	400
	410				27.0	125.7	53,200	410

MANITOWOC ENGINEERING CO.

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



LIFTCRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

M-1200

JIB NO. 49A-44 WITH HEAVY LIFT TOP AND 58'6" STRUT ON

BOOM NO. 75A

MAST NO. 75 OR NO. 75A

60' RINGER ATTACHMENT ON SCREW JACK PEDESTALS

52,000 LB. CRANE COUNTERWEIGHT

1,049,600 LB. AUXILIARY COUNTERWEIGHT

360 DEGREE RATING

200 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	10 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 5	140	80.5	424.3	235,200*				140
	145	79.8	423.0	227,000*				145
	150	79.1	421.5	219,200*				150
	155	78.4	420.0	212,000*				155
	160	77.7	418.4	205,100*				160
	165	77.0	416.7	198,600*	80.8	412.0	148,900*	165
	170	76.3	415.0	192,500*	80.1	410.2	145,000*	170
	175	75.6	413.2	186,700*	79.4	408.4	141,200*	175
	180	74.9	411.4	181,200*	78.7	406.5	137,600*	180
	185	74.2	409.4	176,000*	78.0	404.5	134,100*	185
	190	73.4	407.4	171,000*	77.2	402.5	130,800*	190
	195	72.7	405.3	166,300*	76.5	400.4	127,600*	195
	200	72.0	403.2	161,700*	75.7	398.2	124,600*	200
	210	70.5	398.6	153,300*	74.3	393.6	118,800*	210
	220	69.0	393.8	145,600*	72.7	388.7	113,500*	220
	230	67.5	388.6	138,500*	71.2	383.4	108,600*	230
	240	66.0	383.1	132,000*	69.7	377.8	104,000*	240
	250	64.4	377.2	125,900*	68.1	371.9	99,800*	250
	260	62.8	370.9	120,300*	66.5	365.5	95,800*	260
	270	61.2	364.3	115,100*	64.9	358.8	92,100*	270
	280	59.6	357.2	110,300*	63.2	351.6	88,600*	280
	290	57.9	349.7	105,800*	61.5	343.9	85,300*	290
	300	56.2	341.7	101,500*	59.7	335.8	82,300*	300
	310	54.4	333.2	97,600*	57.9	327.2	79,400*	310
	320	52.6	324.2	93,900*	56.1	317.9	76,700*	320
	330	50.8	314.5	90,400*	54.2	308.1	74,100*	330
	340	48.9	304.2	87,100*	52.2	297.5	71,700*	340
	350	46.9	293.2	82,000	50.2	286.2	69,500*	350
	360	44.8	281.3	75,100	48.1	274.1	67,400*	360
	370	42.6	268.5	68,600	45.8	260.9	65,400*	370
	380	40.3	254.7	62,400	43.5	246.6	63,500*	380
	390	37.9	239.5	56,500	40.9	230.9	61,000	390
	400	35.3	222.8	50,900	38.2	213.5	55,000	400
	410	32.4	204.2	45,500	35.2	193.9	49,100	410
	420	29.3	182.9	40,200	31.9	171.3	43,400	420
	430				28.0	144.1	37,700	430

MANITOWOC ENGINEERING CO.

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



LIFTCRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

M-1200

JIB NO. 49A-44 WITH HEAVY LIFT TOP AND 58'6" STRUT ON

BOOM NO. 75A

MAST NO. 75 OR NO. 75A

60' RINGER ATTACHMENT ON SCREW JACK PEDESTALS

52,000 LB. CRANE COUNTERWEIGHT

1,049,600 LB. AUXILIARY COUNTERWEIGHT

360 DEGREE RATING

200 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	10 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	
250	140	81.0	450.1	240,000*				140
	145	80.4	448.8	236,000*				145
	150	79.7	447.4	228,200*				150
	155	79.1	446.0	220,900*				155
	160	78.4	444.5	213,900*				160
	165	77.8	442.9	207,300*				165
	170	77.1	441.3	201,100*	80.7	436.3	149,200*	170
	175	76.4	439.6	195,200*	80.0	434.6	145,500*	175
	180	75.7	437.9	189,600*	79.3	432.8	141,900*	180
	185	75.1	436.1	184,200*	78.7	431.0	138,500*	185
	190	74.4	434.2	179,100*	78.0	429.1	135,200*	190
	195	73.7	432.2	174,300*	77.3	427.1	132,000*	195
	200	73.0	430.2	169,700*	76.6	425.1	129,000*	200
	210	71.7	426.0	161,000*	75.2	420.8	123,200*	210
	220	70.3	421.4	153,100*	73.8	416.2	117,900*	220
	230	68.9	416.6	145,800*	72.4	411.3	113,000*	230
	240	67.4	411.5	139,100*	70.9	406.1	108,400*	240
	250	66.0	406.0	132,900*	69.5	400.5	104,100*	250
	260	64.5	400.2	127,100*	68.0	394.7	100,100*	260
	270	63.1	394.1	121,700*	66.5	388.4	96,300*	270
	280	61.5	387.6	116,700*	64.9	381.8	92,800*	280
	290	60.0	380.7	112,000*	63.4	374.8	89,400*	290
	300	58.4	373.4	107,700*	61.8	367.4	86,300*	300
	310	56.8	365.6	103,600*	60.2	359.5	83,400*	310
	320	55.2	357.4	97,600*	58.5	351.2	80,600*	320
	330	53.5	348.7	89,400*	56.8	342.3	78,000*	330
	340	51.8	339.5	81,600*	55.0	332.9	75,500*	340
	350	50.0	329.7	74,300*	53.2	322.9	73,200*	350
	360	48.2	319.3	67,500*	51.4	312.2	71,000*	360
	370	46.3	308.1	61,000*	49.4	300.8	67,400*	370
	380	44.3	296.2	54,800*	47.4	288.5	60,800*	380
	390	42.3	283.3	48,900*	45.3	275.3	54,600*	390
	400	40.1	269.5	43,400*	43.0	261.1	48,600*	400
	410	37.8	254.5	38,000*	40.7	245.5	42,800*	410
	420	35.4	238.0	32,900*	38.1	228.3	37,300*	420
	430	32.8	219.7	28,000*	35.4	209.2	32,000*	430
	440	29.9	199.2	23,300*	32.3	187.4	26,700*	440
	450				28.8	161.8	21,500*	450

MANITOWOC ENGINEERING CO.

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



LIFTCRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

M-1200

JIB NO. 49A-44 WITH HEAVY LIFT TOP AND 58'6" STRUT ON

BOOM NO. 75A

MAST NO. 75 OR NO. 75A

60' RINGER ATTACHMENT ON SCREW JACK PEDESTALS

52,000 LB. CRANE COUNTERWEIGHT

1,049,600 LB. AUXILIARY COUNTERWEIGHT

360 DEGREE RATING

200 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	10 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 7 5	150	80.3	473.2	229,000*				150
	155	79.7	471.9	222,000*				155
	160	79.0	470.4	215,400*				160
	165	78.4	469.0	209,100*				165
	170	77.8	467.5	203,100*				170
	175	77.2	465.9	197,400*	80.6	460.7	145,700*	175
	180	76.5	464.2	192,000*	79.9	459.0	142,300*	180
	185	75.9	462.5	186,800*	79.3	457.3	139,100*	185
	190	75.3	460.7	181,900*	78.7	455.5	135,900*	190
	195	74.6	458.9	177,200*	78.0	453.6	132,900*	195
	200	74.0	457.0	172,700*	77.4	451.7	130,000*	200
	210	72.7	453.0	164,300*	76.1	447.7	124,500*	210
	220	71.4	448.8	156,500*	74.7	443.3	119,400*	220
	230	70.1	444.2	149,400*	73.4	438.8	114,600*	230
	240	68.7	439.4	142,700*	72.0	433.9	110,200*	240
	250	67.4	434.3	136,600*	70.7	428.7	106,000*	250
	260	66.0	428.9	130,900*	69.3	423.3	102,100*	260
	270	64.6	423.2	125,600*	67.9	417.5	98,500*	270
	280	63.2	417.2	120,600*	66.5	411.3	95,000*	280
	290	61.8	410.8	116,000*	65.0	404.9	91,800*	290
	300	60.4	404.1	111,600*	63.6	398.0	88,700*	300
	310	58.9	396.9	103,000	62.1	390.8	85,800*	310
	320	57.4	389.4	94,100	60.5	383.1	83,100*	320
	330	55.9	381.5	85,700	59.0	375.1	80,500*	330
	340	54.3	373.1	77,900	57.4	366.5	78,000*	340
	350	52.7	364.2	70,500	55.8	357.5	75,700*	350
	360	51.0	354.8	63,600	54.1	347.9	71,200	360
	370	49.4	344.9	57,000	52.3	337.7	64,300	370
	380	47.6	334.3	50,800	50.6	326.9	57,700	380
	390	45.8	323.0	44,900	48.7	315.4	51,400	390
	400	43.9	311.0	39,200	46.8	303.1	45,400	400
	410	42.0	298.2	33,900	44.8	289.8	39,600	410
	420	39.9	284.3	28,800	42.7	275.6	34,100	420
	430	37.8	269.4	23,800	40.4	260.1	28,800	430
	440	35.5	253.1	19,100	38.0	243.1	23,700	440
	450	33.0	235.2	14,600	35.5	224.4	18,700	450
	460	30.3	215.2	10,100	32.6	203.3	13,800	460

MANITOWOC ENGINEERING CO.

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



LIFTCRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

M-1200

JIB NO. 49A-44 WITH HEAVY LIFT TOP AND 58'6" STRUT ON

BOOM NO. 75A

MAST NO. 75 OR NO. 75A

60' RINGER ATTACHMENT ON SCREW JACK PEDESTALS

52,000 LB. CRANE COUNTERWEIGHT

1,049,600 LB. AUXILIARY COUNTERWEIGHT

360 DEGREE RATING

220 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	10 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	
150	130	80.9	370.6	209,700*				130
	135	80.1	369.2	203,000*				135
	140	79.3	367.7	196,700*				140
	145	78.5	366.0	190,600*				145
	150	77.7	364.4	184,700*				150
	155	76.9	362.6	177,800*				155
	160	76.1	360.7	171,100*				160
	165	75.2	358.8	164,800*	80.9	354.0	130,100*	165
	170	74.4	356.8	158,800*	80.1	352.0	125,900*	170
	175	73.6	354.7	153,200*	79.2	349.9	122,000*	175
	180	72.7	352.5	147,900*	78.4	347.6	118,300*	180
	185	71.9	350.3	142,900*	77.5	345.3	114,800*	185
	190	71.0	347.9	138,200*	76.7	342.9	111,400*	190
	195	70.2	345.4	133,700*	75.8	340.5	108,200*	195
	200	69.3	342.9	129,400*	74.9	337.9	105,100*	200
	210	67.6	337.5	121,500*	73.1	332.4	99,400*	210
	220	65.8	331.7	114,200*	71.3	326.5	94,100*	220
	230	64.0	325.5	107,700*	69.5	320.2	89,300*	230
	240	62.2	318.9	101,600*	67.6	313.4	84,800*	240
	250	60.3	311.7	96,100*	65.7	306.2	80,700*	250
	260	58.3	304.1	91,000*	63.7	298.4	76,800*	260
	270	56.4	295.8	86,200*	61.7	290.0	73,300*	270
	280	54.3	287.0	81,800*	59.6	281.0	70,000*	280
	290	52.2	277.5	77,700*	57.5	271.3	66,900*	290
	300	50.0	267.3	73,900*	55.2	260.8	64,000*	300
	310	47.7	256.3	70,300*	52.9	249.4	61,300*	310
	320	45.3	244.2	66,900*	50.4	237.0	58,800*	320
	330	42.8	231.1	63,800*	47.8	223.5	56,500*	330
	340	40.1	216.7	60,800*	45.0	208.4	54,300*	340
	350	37.2	200.6	58,000*	41.9	191.6	52,300*	350
	360	34.0	182.4	55,400*	38.6	172.5	50,500*	360
	370	30.4	161.4	52,900*	34.7	150.0	48,800*	370
	380				30.1	122.1	47,400*	380
175	135	80.7	395.0	205,800*				135
	140	80.0	393.6	199,700*				140
	145	79.3	392.1	193,900*				145
	150	78.5	390.5	188,300*				150
	155	77.7	388.9	183,000*				155
	160	77.0	387.2	177,800*				160
	165	76.2	385.4	172,800*				165
	170	75.4	383.5	168,000*	80.7	378.3	127,800*	170
	175	74.7	381.6	163,400*	80.0	376.3	124,100*	175
	180	73.9	379.5	158,100*	79.2	374.3	120,500*	180
	185	73.1	377.4	153,100*	78.4	372.1	117,100*	185
	190	72.3	375.3	148,200*	77.6	369.9	113,900*	190
	195	71.5	373.0	143,600*	76.8	367.6	110,700*	195
	200	70.7	370.6	139,300*	76.0	365.2	107,800*	200
	210	69.1	365.7	131,200*	74.3	360.2	102,200*	210
	220	67.5	360.4	123,800*	72.7	354.8	97,100*	220
	230	65.9	354.7	117,000*	71.0	349.0	92,300*	230
	240	64.2	348.6	110,800*	69.3	342.8	88,000*	240
	250	62.5	342.1	105,000*	67.5	336.2	83,900*	250
	260	60.7	335.2	99,700*	65.8	329.2	80,100*	260
	270	58.9	327.8	94,800*	63.9	321.6	76,600*	270
	280	57.1	319.8	90,200*	62.1	313.5	73,300*	280
	290	55.2	311.4	86,000*	60.1	304.9	70,200*	290
	300	53.3	302.4	82,000*	58.2	295.7	67,400*	300
	310	51.3	292.7	78,200*	56.1	285.8	64,700*	310
	320	49.2	282.3	74,700*	54.0	275.1	62,200*	320
	330	47.0	271.1	71,400*	51.8	263.6	59,800*	330
	340	44.8	259.0	68,300*	49.4	251.1	57,600*	340
	350	42.4	245.8	65,400*	47.0	237.5	55,500*	350
	360	39.9	231.4	62,600*	44.3	222.5	53,600*	360
	370	37.2	215.6	60,000*	41.5	205.9	51,800*	370
	380	34.2	197.8	57,500*	38.4	187.2	50,200*	380
	390	31.0	177.5	55,200*	34.9	165.5	48,700*	390
	400				30.9	139.5	47,500*	400

MANITOWOC ENGINEERING CO.

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



LIFTCRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

M-1200

JIB NO. 49A-44 WITH HEAVY LIFT TOP AND 58'6" STRUT ON

BOOM NO. 75A

MAST NO. 75 OR NO. 75A

60' RINGER ATTACHMENT ON SCREW JACK PEDESTALS

52,000 LB. CRANE COUNTERWEIGHT

1,049,600 LB. AUXILIARY COUNTERWEIGHT

360 DEGREE RATING

220 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	10 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	140	80.6	419.4	203,500*				140
	145	79.9	418.0	197,900*				145
	150	79.2	416.6	192,500*				150
	155	78.5	415.0	187,300*				155
	160	77.8	413.4	182,300*				160
	165	77.1	411.8	177,400*				165
	170	76.4	410.0	172,800*				170
	175	75.6	408.2	168,300*	80.6	402.6	126,600*	175
	180	74.9	406.3	164,000*	79.9	400.7	123,100*	180
	185	74.2	404.3	159,800*	79.1	398.7	119,800*	185
	190	73.4	402.3	155,800*	78.4	396.7	116,600*	190
	195	72.7	400.2	151,700*	77.6	394.5	113,600*	195
	200	72.0	398.0	147,400*	76.9	392.3	110,700*	200
	210	70.5	393.4	139,200*	75.4	387.6	105,300*	210
	220	69.0	388.5	131,700*	73.8	382.6	100,200*	220
	230	67.4	383.2	124,900*	72.3	377.3	95,600*	230
	240	65.9	377.6	118,600*	70.7	371.6	91,200*	240
	250	64.3	371.6	112,900*	69.1	365.5	87,200*	250
	260	62.7	365.3	107,500*	67.5	359.0	83,500*	260
	270	61.1	358.5	102,500*	65.8	352.1	80,000*	270
	280	59.4	351.3	97,900*	64.1	344.8	76,700*	280
	290	57.7	343.7	93,600*	62.4	337.0	73,600*	290
	300	56.0	335.6	89,600*	60.6	328.7	70,700*	300
	310	54.2	326.9	85,800*	58.8	319.9	68,000*	310
	320	52.3	317.7	82,200*	56.9	310.4	65,500*	320
	330	50.4	307.8	78,700*	54.9	300.3	63,100*	330
	340	48.5	297.3	75,500*	52.9	289.5	60,800*	340
	350	46.4	286.0	72,400*	50.8	277.8	58,700*	350
	360	44.3	273.8	69,500*	48.6	265.3	56,800*	360
	370	42.0	260.6	66,800*	46.3	251.6	54,900*	370
	380	39.7	246.3	64,200*	43.8	236.7	53,200*	380
	390	37.1	230.5	61,700*	41.2	220.3	51,600*	390
	400	34.4	213.1	59,400*	38.3	201.9	50,100*	400
	410	31.4	193.4	54,100	35.1	180.9	48,700*	410
	420	28.1	170.8	48,900	31.5	156.3	47,600*	420
	430				27.0	125.7	45,700	430

MANITOWOC ENGINEERING CO.

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



LIFT CRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

M-1200

JIB NO. 49A-44 WITH HEAVY LIFT TOP AND 58'6" STRUT ON

BOOM NO. 75A

MAST NO. 75 OR NO. 75A

60' RINGER ATTACHMENT ON SCREW JACK PEDESTALS

52,000 LB. CRANE COUNTERWEIGHT

1,049,600 LB. AUXILIARY COUNTERWEIGHT

360 DEGREE RATING

220 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	10 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	
225	145	80.5	443.9	202,500*				145
	150	79.8	442.5	197,300*				150
	155	79.2	441.0	192,200*				155
	160	78.5	439.5	187,300*				160
	165	77.8	438.0	182,600*				165
	170	77.1	436.3	178,000*				170
	175	76.5	434.6	173,600*				175
	180	75.8	432.8	169,300*	80.5	426.9	126,100*	180
	185	75.1	431.0	165,200*	79.8	425.1	122,900*	185
	190	74.4	429.1	161,200*	79.1	423.2	119,800*	190
	195	73.7	427.1	157,400*	78.4	421.2	116,800*	195
	200	73.1	425.1	153,600*	77.7	419.1	113,900*	200
	210	71.7	420.8	145,800*	76.3	414.7	108,600*	210
	220	70.3	416.2	138,200*	74.8	410.1	103,600*	220
	230	68.8	411.3	131,200*	73.4	405.1	99,000*	230
	240	67.4	406.1	124,800*	71.9	399.8	94,700*	240
	250	65.9	400.6	118,900*	70.4	394.2	90,600*	250
	260	64.4	394.7	113,400*	68.9	388.2	86,900*	260
	270	62.9	388.4	108,300*	67.4	381.8	83,400*	270
	280	61.4	381.8	103,600*	65.8	375.1	80,100*	280
	290	59.8	374.8	99,200*	64.3	368.0	77,000*	290
	300	58.2	367.4	95,000*	62.6	360.4	74,100*	300
	310	56.6	359.5	91,200*	61.0	352.4	71,400*	310
	320	55.0	351.2	87,500*	59.3	343.9	68,800*	320
	330	53.2	342.3	84,100*	57.5	334.8	66,400*	330
	340	51.5	332.9	80,900*	55.7	325.2	64,100*	340
	350	49.7	322.9	77,900*	53.9	314.9	61,900*	350
	360	47.8	312.2	75,000*	51.9	303.9	59,900*	360
	370	45.9	300.8	70,900	49.9	292.2	58,000*	370
	380	43.8	288.6	64,800	47.9	279.5	56,200*	380
	390	41.7	275.4	59,000	45.7	265.9	54,500*	390
	400	39.5	261.1	53,400	43.3	251.0	52,900*	400
	410	37.1	245.5	48,100	40.9	234.7	51,400*	410
	420	34.6	228.4	43,000	38.2	216.7	47,200	420
	430	31.8	209.2	38,100	35.3	196.3	41,700	430
	440	28.8	187.4	33,300	31.9	172.8	36,400	440
	450				28.1	144.5	31,000	450

MANITOWOC ENGINEERING CO.

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



LIFT CRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

M-1200

JIB NO. 49A-44 WITH HEAVY LIFT TOP AND 58'6" STRUT ON

BOOM NO. 75A

MAST NO. 75 OR NO. 75A

60' RINGER ATTACHMENT ON SCREW JACK PEDESTALS

52,000 LB. CRANE COUNTERWEIGHT

1,049,600 LB. AUXILIARY COUNTERWEIGHT

360 DEGREE RATING

220 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	10 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	
250	145	81.0	469.6	208,000*				145
	150	80.4	468.3	202,800*				150
	155	79.8	466.9	197,800*				155
	160	79.1	465.5	193,000*				160
	165	78.5	464.0	188,300*				165
	170	77.9	462.5	183,800*				170
	175	77.2	460.9	179,400*				175
	180	76.6	459.2	175,200*	81.0	453.0	129,700*	180
	185	75.9	457.5	171,100*	80.4	451.3	126,500*	185
	190	75.3	455.7	167,200*	79.7	449.5	123,400*	190
	195	74.7	453.8	163,300*	79.1	447.6	120,500*	195
	200	74.0	451.9	159,600*	78.4	445.7	117,600*	200
	210	72.7	447.9	152,500*	77.1	441.6	112,300*	210
	220	71.4	443.6	145,200*	75.7	437.2	107,300*	220
	230	70.0	439.0	138,000*	74.4	432.5	102,700*	230
	240	68.7	434.1	131,400*	73.0	427.6	98,400*	240
	250	67.3	429.0	125,400*	71.6	422.4	94,300*	250
	260	66.0	423.5	119,700*	70.2	416.8	90,600*	260
	270	64.5	417.7	114,500*	68.8	410.9	87,000*	270
	280	63.1	411.6	109,600*	67.3	404.7	83,700*	280
	290	61.7	405.1	105,000*	65.9	398.1	80,600*	290
	300	60.2	398.3	100,700*	64.4	391.1	77,600*	300
	310	58.7	391.0	96,700*	62.9	383.7	74,900*	310
	320	57.2	383.4	93,000*	61.3	376.0	72,300*	320
	330	55.6	375.3	89,400*	59.7	367.7	69,800*	330
	340	54.0	366.8	83,900	58.1	359.0	67,400*	340
	350	52.4	357.8	76,700	56.4	349.8	65,200*	350
	360	50.7	348.2	69,800	54.7	340.0	63,100*	360
	370	49.0	338.0	63,300	52.9	329.5	61,200*	370
	380	47.2	327.2	57,200	51.1	318.4	59,300*	380
	390	45.4	315.7	51,400	49.2	306.6	57,500*	390
	400	43.5	303.4	45,900	47.2	293.9	52,200	400
	410	41.4	290.2	40,600	45.1	280.2	46,500	410
	420	39.3	276.0	35,500	42.9	265.4	41,000	420
	430	37.1	260.5	30,700	40.6	249.2	35,600	430
	440	34.7	243.6	26,000	38.1	231.5	30,500	440
	450	32.2	224.9	21,500	35.4	211.6	25,500	450
	460	29.3	203.8	17,200	32.3	189.0	20,600	460
	470				28.9	162.4	15,700	470

MANITOWOC ENGINEERING CO.

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



LIFTCRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

M-1200

JIB NO. 49A-44 WITH HEAVY LIFT TOP AND 58'6" STRUT ON

BOOM NO. 75A

MAST NO. 75 OR NO. 75A

60' RINGER ATTACHMENT ON SCREW JACK PEDESTALS

52,000 LB. CRANE COUNTERWEIGHT

1,049,600 LB. AUXILIARY COUNTERWEIGHT

360 DEGREE RATING

220 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	10 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	
275	150	80.9	494.0	202,800*				150
	155	80.3	492.7	198,000*				155
	160	79.7	491.4	193,400*				160
	165	79.1	490.0	189,000*				165
	170	78.5	488.5	184,700*				170
	175	77.9	487.0	180,500*				175
	180	77.3	485.4	176,500*				180
	185	76.7	483.8	172,600*				185
	190	76.1	482.1	168,800*	80.3	475.7	123,700*	190
	195	75.5	480.4	165,100*	79.6	473.9	120,900*	195
	200	74.8	478.5	161,600*	79.0	472.1	118,200*	200
	210	73.6	474.7	154,700*	77.8	468.2	113,100*	210
	220	72.4	470.7	148,100*	76.5	464.1	108,300*	220
	230	71.1	466.4	141,200*	75.2	459.7	103,900*	230
	240	69.9	461.8	134,700*	74.0	455.1	99,700*	240
	250	68.6	457.0	128,700*	72.7	450.2	95,800*	250
	260	67.3	451.8	123,100*	71.3	444.9	92,200*	260
	270	66.0	446.4	117,900*	70.0	439.4	88,700*	270
	280	64.6	440.7	113,100*	68.7	433.6	85,500*	280
	290	63.3	434.7	108,600*	67.3	427.5	82,500*	290
	300	61.9	428.3	104,300*	65.9	421.0	79,600*	300
	310	60.6	421.6	100,300*	64.5	414.2	76,900*	310
	320	59.1	414.6	96,500	63.1	407.0	74,300*	320
	330	57.7	407.1	88,100	61.6	399.5	71,900*	330
	340	56.2	399.3	80,300	60.1	391.5	69,600*	340
	350	54.8	391.1	72,900	58.6	383.0	67,400*	350
	360	53.2	382.3	66,000	57.0	374.1	65,300*	360
	370	51.7	373.1	59,400	55.4	364.7	63,300*	370
	380	50.1	363.4	53,200	53.8	354.8	61,500*	380
	390	48.4	353.1	47,300	52.1	344.2	55,100	390
	400	46.7	342.2	41,700	50.3	333.0	49,100	400
	410	44.9	330.6	36,400	48.5	321.0	43,300	410
	420	43.1	318.2	31,300	46.6	308.3	37,800	420
	430	41.2	305.0	26,400	44.7	294.6	32,400	430
	440	39.2	290.8	21,800	42.6	279.8	27,300	440
	450	37.1	275.5	17,300	40.4	263.8	22,400	450
	460	34.9	258.8	13,000	38.0	246.3	17,600	460
	470				35.5	226.9	12,900	470

MANITOWOC ENGINEERING CO.

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



LIFTCRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

M-1200

JIB NO. 49A-44 WITH HEAVY LIFT TOP AND 58'6" STRUT ON

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MAST NO. 75 OR NO. 75A

60' RINGER ATTACHMENT ON SCREW JACK PEDESTALS

52,000 LB. CRANE COUNTERWEIGHT

1,049,600 LB. AUXILIARY COUNTERWEIGHT

360 DEGREE RATING

240 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	10 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	
150	140	80.9	388.2	179,300*				140
	145	80.2	386.7	173,700*				145
	150	79.4	385.1	168,300*				150
	155	78.6	383.4	163,100*				155
	160	77.9	381.7	158,100*				160
	165	77.1	379.9	153,300*				165
	170	76.3	378.0	148,700*				170
	175	75.5	376.0	144,300*	80.5	371.7	118,300*	175
	180	74.7	373.9	139,500*	79.7	369.7	114,900*	180
	185	74.0	371.8	134,800*	78.9	367.5	111,500*	185
	190	73.2	369.6	130,200*	78.1	365.3	108,300*	190
	195	72.4	367.3	126,000*	77.3	362.9	105,200*	195
	200	71.5	364.9	121,900*	76.5	360.5	102,200*	200
	210	69.9	359.9	114,400*	74.9	355.4	96,500*	210
	220	68.3	354.5	107,500*	73.2	349.9	91,200*	220
	230	66.6	348.7	101,200*	71.5	344.1	86,200*	230
	240	64.9	342.5	95,500*	69.7	337.8	81,600*	240
	250	63.1	335.8	90,200*	68.0	331.1	77,200*	250
	260	61.3	328.8	85,300*	66.1	323.9	73,100*	260
	270	59.5	321.2	80,800*	64.3	316.2	69,200*	270
	280	57.6	313.1	76,600*	62.4	308.0	65,500*	280
	290	55.7	304.5	72,700*	60.4	299.2	62,100*	290
	300	53.7	295.2	69,000*	58.4	289.8	58,800*	300
	310	51.7	285.3	65,600*	56.3	279.6	55,800*	310
	320	49.5	274.6	62,400*	54.1	268.7	52,900*	320
	330	47.3	263.1	59,400*	51.8	256.9	50,200*	330
	340	45.0	250.6	56,500*	49.4	244.0	47,600*	340
	350	42.5	236.9	53,800*	46.9	230.0	45,300*	350
	360	39.9	221.9	51,300*	44.2	214.5	43,100*	360
	370	37.0	205.3	48,900*	41.2	197.1	41,000*	370
	380	33.9	186.5	46,600*	38.0	177.4	39,200*	380
	390	30.4	164.7	44,300*	34.3	154.3	37,500*	390
	400				29.8	125.8	36,200*	400
175	145	80.8	412.6	176,100*				145
	150	80.1	411.1	170,900*				150
	155	79.4	409.6	165,900*				155
	160	78.6	407.9	161,200*				160
	165	77.9	406.2	156,500*				165
	170	77.2	404.5	152,100*				170
	175	76.5	402.6	147,800*				175
	180	75.7	400.7	143,700*	80.4	396.1	116,400*	180
	185	75.0	398.7	139,700*	79.7	394.0	113,200*	185
	190	74.2	396.6	135,800*	78.9	392.0	110,200*	190
	195	73.5	394.5	132,100*	78.2	389.8	107,200*	195
	200	72.7	392.3	128,500*	77.4	387.5	104,400*	200
	210	71.2	387.6	121,700*	75.9	382.8	98,900*	210
	220	69.7	382.6	115,300*	74.3	377.7	93,800*	220
	230	68.1	377.3	109,300*	72.7	372.3	89,000*	230
	240	66.6	371.6	103,600*	71.1	366.5	84,500*	240
	250	65.0	365.5	98,200*	69.5	360.4	80,200*	250
	260	63.3	359.0	93,200*	67.9	353.8	76,200*	260
	270	61.7	352.1	88,500*	66.2	346.8	72,400*	270
	280	60.0	344.8	84,200*	64.4	339.4	68,900*	280
	290	58.2	337.0	80,100*	62.7	331.4	65,500*	290
	300	56.4	328.7	76,100*	60.9	323.0	62,300*	300
	310	54.6	319.9	72,400*	59.0	314.0	59,300*	310
	320	52.7	310.4	68,800*	57.1	304.3	56,400*	320
	330	50.8	300.3	65,400*	55.1	294.0	53,700*	330
	340	48.8	289.5	62,200*	53.0	282.9	51,100*	340
	350	46.6	277.8	59,200*	50.8	271.0	48,700*	350
	360	44.4	265.3	56,300*	48.6	258.1	46,500*	360
	370	42.1	251.6	53,600*	46.2	244.0	44,400*	370
	380	39.7	236.7	51,100*	43.6	228.6	42,400*	380
	390	37.0	220.3	48,700*	40.9	211.5	40,600*	390
	400	34.2	201.9	46,500*	37.9	192.2	38,900*	400
	410	31.0	180.9	44,400*	34.5	170.0	37,500*	410
	420	27.3	156.3	42,600*	30.6	143.3	36,300*	420

MANITOWOC ENGINEERING CO.

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LIFTCRANE JIB CAPACITIES

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ANSI B30.5
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M-1200

JIB NO. 49A-44 WITH HEAVY LIFT TOP AND 58'6" STRUT ON

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1,049,600 LB. AUXILIARY COUNTERWEIGHT

360 DEGREE RATING

240 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	10 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	150	80.7	437.0	174,100*				150
	155	80.0	435.5	169,300*				155
	160	79.3	434.0	164,700*				160
	165	78.6	432.4	160,200*				165
	170	77.9	430.8	155,900*				170
	175	77.3	429.0	151,800*				175
	180	76.6	427.2	147,700*				180
	185	75.9	425.4	143,900*	80.3	420.4	115,300*	185
	190	75.2	423.4	140,100*	79.6	418.4	112,400*	190
	195	74.5	421.4	136,500*	78.9	416.4	109,500*	195
	200	73.8	419.4	132,900*	78.2	414.3	106,800*	200
	210	72.4	415.0	126,200*	76.7	409.9	101,500*	210
	220	70.9	410.3	120,000*	75.3	405.2	96,600*	220
	230	69.5	405.4	114,000*	73.8	400.1	91,900*	230
	240	68.0	400.1	108,500*	72.4	394.8	87,500*	240
	250	66.6	394.5	103,200*	70.8	389.1	83,400*	250
	260	65.0	388.5	98,300*	69.3	383.0	79,400*	260
	270	63.5	382.2	93,600*	67.8	376.6	75,700*	270
	280	62.0	375.4	89,200*	66.2	369.8	72,200*	280
	290	60.4	368.3	85,000*	64.6	362.5	68,800*	290
	300	58.7	360.7	81,000*	62.9	354.8	65,700*	300
	310	57.1	352.7	77,200*	61.2	346.7	62,700*	310
	320	55.4	344.2	73,600*	59.5	338.0	59,800*	320
	330	53.6	335.2	70,200*	57.7	328.8	57,100*	330
	340	51.8	325.5	67,000*	55.9	318.9	54,600*	340
	350	50.0	315.3	63,900*	54.0	308.5	52,100*	350
	360	48.1	304.3	61,000*	52.0	297.2	49,800*	360
	370	46.1	292.6	58,300*	50.0	285.2	47,700*	370
	380	44.0	280.0	55,600*	47.8	272.2	45,600*	380
	390	41.8	266.3	53,100*	45.6	258.1	43,700*	390
	400	39.5	251.5	50,800*	43.2	242.8	41,900*	400
	410	37.0	235.2	48,600*	40.6	225.9	40,300*	410
	420	34.3	217.2	46,500*	37.8	207.0	38,800*	420
	430	31.4	196.9	44,600*	34.7	185.5	37,500*	430
	440	28.1	173.5	42,800*	31.2	160.3	36,400*	440

MANITOWOC ENGINEERING CO.

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M-1200

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MAST NO. 75 OR NO. 75A

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1,049,600 LB. AUXILIARY COUNTERWEIGHT

360 DEGREE RATING

240 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	10 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 5	155	80.5	461.4	173,300*				155
	160	79.9	460.0	168,800*				160
	165	79.3	458.5	164,400*				165
	170	78.6	456.9	160,200*				170
	175	78.0	455.3	156,100*				175
	180	77.3	453.6	152,200*				180
	185	76.7	451.8	148,400*	80.9	446.6	117,800*	185
	190	76.0	450.0	144,700*	80.2	444.7	114,900*	190
	195	75.4	448.1	141,100*	79.5	442.8	112,200*	195
	200	74.7	446.2	137,600*	78.9	440.9	109,500*	200
	210	73.4	442.1	131,000*	77.5	436.7	104,400*	210
	220	72.1	437.7	124,800*	76.2	432.3	99,500*	220
	230	70.7	433.1	118,900*	74.8	427.6	95,000*	230
	240	69.3	428.2	113,400*	73.4	422.6	90,700*	240
	250	67.9	422.9	108,200*	72.0	417.3	86,600*	250
	260	66.5	417.4	103,200*	70.6	411.7	82,700*	260
	270	65.1	411.5	98,600*	69.1	405.7	79,100*	270
	280	63.7	405.3	94,100*	67.7	399.4	75,600*	280
	290	62.2	398.7	89,900*	66.2	392.7	72,300*	290
	300	60.7	391.7	86,000*	64.7	385.6	69,100*	300
	310	59.2	384.4	82,100*	63.1	378.2	66,100*	310
	320	57.6	376.6	78,500*	61.5	370.2	63,300*	320
	330	56.1	368.4	75,100*	59.9	361.9	60,600*	330
	340	54.4	359.7	71,800*	58.3	353.0	58,000*	340
	350	52.8	350.5	68,700*	56.6	343.6	55,600*	350
	360	51.1	340.7	65,700*	54.8	333.6	53,200*	360
	370	49.3	330.3	62,900*	53.0	323.0	51,000*	370
	380	47.5	319.2	60,200*	51.1	311.6	48,900*	380
	390	45.6	307.4	57,600*	49.2	299.5	47,000*	390
	400	43.6	294.7	55,200*	47.2	286.4	45,100*	400
	410	41.5	281.1	52,000*	45.0	272.4	43,300*	410
	420	39.3	266.3	46,900*	42.8	257.1	41,700*	420
	430	37.0	250.2	42,100*	40.3	240.4	40,100*	430
	440	34.5	232.5	37,400*	37.7	221.8	38,800*	440
	450	31.8	212.8	32,800*	34.9	201.0	36,000*	450
	460	28.8	190.3	28,400*	31.6	176.9	31,100*	460
	470				27.9	148.0	26,200*	470

MANITOWOC ENGINEERING CO.

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



LIFTCRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

M-1200

JIB NO. 49A-44 WITH HEAVY LIFT TOP AND 58'6" STRUT ON

BOOM NO. 75A

MAST NO. 75 OR NO. 75A

60' RINGER ATTACHMENT ON SCREW JACK PEDESTALS

52,000 LB. CRANE COUNTERWEIGHT

1,049,600 LB. AUXILIARY COUNTERWEIGHT

360 DEGREE RATING

240 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	10 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	
250	155	81.0	487.2	180,000*				155
	160	80.4	485.8	173,500*				160
	165	79.8	484.4	169,200*				165
	170	79.2	482.9	165,100*				170
	175	78.6	481.4	161,000*				175
	180	78.0	479.8	157,200*				180
	185	77.4	478.1	153,400*				185
	190	76.8	476.4	149,700*	80.7	470.9	117,900*	190
	195	76.2	474.7	146,200*	80.1	469.1	115,200*	195
	200	75.5	472.8	142,800*	79.5	467.2	112,500*	200
	210	74.3	469.0	136,200*	78.2	463.3	107,500*	210
	220	73.0	464.9	130,000*	76.9	459.2	102,800*	220
	230	71.8	460.5	124,100*	75.6	454.8	98,300*	230
	240	70.5	455.9	118,600*	74.3	450.1	94,000*	240
	250	69.2	451.0	113,400*	73.0	445.1	90,000*	250
	260	67.9	445.8	108,400*	71.7	439.8	86,200*	260
	270	66.5	440.3	103,700*	70.4	434.3	82,500*	270
	280	65.2	434.5	99,300*	69.0	428.4	79,100*	280
	290	63.8	428.4	95,000*	67.6	422.2	75,800*	290
	300	62.4	421.9	91,000*	66.2	415.6	72,600*	300
	310	61.0	415.1	87,200*	64.8	408.7	69,600*	310
	320	59.6	407.9	83,500*	63.3	401.4	66,800*	320
	330	58.1	400.4	80,000*	61.8	393.7	64,100*	330
	340	56.7	392.4	76,700*	60.3	385.6	61,500*	340
	350	55.1	384.0	73,500*	58.8	377.1	59,000*	350
	360	53.6	375.1	70,500*	57.2	368.0	56,700*	360
	370	52.0	365.7	66,800*	55.6	358.4	54,400*	370
	380	50.3	355.8	60,600*	53.9	348.3	52,300*	380
	390	48.7	345.3	54,700*	52.2	337.5	50,300*	390
	400	46.9	334.1	49,200*	50.4	326.1	48,300*	400
	410	45.1	322.2	43,800*	48.5	313.8	46,500*	410
	420	43.2	309.5	38,800*	46.6	300.8	44,700*	420
	430	41.3	295.8	33,900*	44.5	286.7	39,900*	430
	440	39.2	281.2	29,300*	42.4	271.5	34,800*	440
	450	37.0	265.2	24,800*	40.1	254.9	30,000*	450
	460	34.7	247.8	20,500*	37.7	236.7	25,200*	460
	470	32.1	228.5	16,300*	35.0	216.4	20,600*	470
	480	29.4	206.9	12,200*	32.1	193.3	16,100*	480

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360 DEGREE RATING

240 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	10 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 7 5	160	80.9	511.6	173,400*				160
	165	80.3	510.2	169,400*				165
	170	79.8	508.8	165,400*				170
	175	79.2	507.4	161,600*				175
	180	78.6	505.9	157,900*				180
	185	78.0	504.3	154,300*				185
	190	77.4	502.7	150,800*				190
	195	76.9	501.0	147,400*	80.6	495.2	115,200*	195
	200	76.3	499.3	144,100*	80.0	493.5	112,700*	200
	210	75.1	495.6	137,800*	78.8	489.8	107,900*	210
	220	73.9	491.8	131,900*	77.6	485.9	103,400*	220
	230	72.7	487.6	126,200*	76.4	481.7	99,100*	230
	240	71.5	483.3	120,900*	75.2	477.3	95,100*	240
	250	70.3	478.7	115,800*	73.9	472.6	91,200*	250
	260	69.0	473.8	111,000*	72.7	467.6	87,500*	260
	270	67.8	468.6	106,400*	71.4	462.4	84,000*	270
	280	66.5	463.2	102,000*	70.2	456.9	80,700*	280
	290	65.3	457.5	97,900*	68.9	451.1	77,500*	290
	300	64.0	451.4	93,900*	67.5	445.0	74,400*	300
	310	62.7	445.1	90,200*	66.2	438.6	71,500*	310
	320	61.3	438.4	86,600*	64.9	431.8	68,800*	320
	330	60.0	431.4	83,200*	63.5	424.7	66,100*	330
	340	58.6	424.0	79,900*	62.1	417.2	63,600*	340
	350	57.2	416.3	76,700*	60.7	409.3	61,200*	350
	360	55.8	408.1	70,300*	59.2	401.0	58,900*	360
	370	54.3	399.5	63,700*	57.7	392.2	56,600*	370
	380	52.8	390.5	57,400*	56.2	383.0	54,500*	380
	390	51.3	381.0	51,500*	54.6	373.3	52,500*	390
	400	49.7	370.9	45,900*	53.0	363.0	50,600*	400
	410	48.1	360.3	40,500*	51.4	352.1	47,400*	410
	420	46.4	349.0	35,400*	49.7	340.5	41,900*	420
	430	44.7	337.0	30,500*	47.9	328.2	36,600*	430
	440	42.9	324.3	25,900*	46.0	315.1	31,500*	440
	450	41.0	310.6	21,400*	44.1	301.1	26,700*	450
	460	39.1	296.0	17,100*	42.1	285.9	22,000*	460
	470	37.0	280.2	12,900*	39.9	269.5	17,400*	470
	480				37.6	251.6	13,000*	480