

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 17.8m STRUT ON

BOOM NO. 75A

MAST NO. 75 OR NO. 75A

18.3m RINGER ATTACHMENT ON SCREW JACK PEDESTALS

23 590 kg CRANE COUNTERWEIGHT

715 590 kg 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 32 mm IN 18.3m 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 13 m/s 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 13 m/s. LOWER BOOM AND JIB TO GROUND WHEN WIND IS ABOVE 22 m/s.

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 18.3m RINGER ATTACHMENT, 9 373 mm CRAWLERS, 1 219 mm TREADS, 8 534 mm RETRACTABLE GANTRY, 45.7m 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 38 mm JIB PENDANTS AND BACKSTAYS, 23 590 kg CRANE COUNTERWEIGHT AND 715 590 kg AUXILIARY COUNTERWEIGHT.

MAXIMUM BOOM AND JIB LENGTHS LIFTED UNASSISTED	
BOOM LGTH.	JIB NO. 49A-44
106.7m	30.5m
91.4m	48.8m
83.8m	73.2m
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-AM OR 7953-BM FOR LIFTING OFF MAIN BOOM POINT WITH JIB ATTACHED.

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30.5m (100 FT.) JIB

BOOM LGTH. METERS	BOOM LGTH. FEET	JIB OPER. RADIUS METERS	10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RADIUS METERS
			BOOM ANG. DEG.	JIB POINT ELEV. METERS	JIB CAPACITY KILOGRAMS	BOOM ANG. DEG.	JIB POINT ELEV. METERS	JIB CAPACITY KILOGRAMS	
4 5 7	1 5 0	27.4	80.9	78.5	211 200*				27.4
		28.0	80.5	78.3	207 000*				28.0
		30.0	78.9	77.8	192 900*				30.0
		32.0	77.4	77.2	180 700*				32.0
		34.0	75.8	76.5	169 900*	79.5	75.5	123 100*	34.0
		36.0	74.2	75.8	160 300*	77.9	74.8	117 500*	36.0
		38.0	72.6	75.0	151 800*	76.2	74.0	112 400*	38.0
		40.0	71.0	74.1	144 000*	74.6	73.1	107 700*	40.0
		42.0	69.4	73.2	137 000*	72.9	72.2	103 500*	42.0
		44.0	67.7	72.2	130 600*	71.3	71.2	99 500*	44.0
		46.0	66.1	71.2	124 800*	69.6	70.1	95 900*	46.0
		48.0	64.3	70.0	119 500*	67.8	68.9	92 500*	48.0
		50.0	62.6	68.8	114 600*	66.1	67.7	89 400*	50.0
		52.0	60.8	67.5	110 100*	64.3	66.3	86 500*	52.0
		54.0	59.0	66.1	105 900*	62.4	64.9	83 800*	54.0
		56.0	57.2	64.6	102 000*	60.5	63.4	81 200*	56.0
		58.0	55.3	63.0	98 500*	58.6	61.7	78 900*	58.0
		60.0	53.3	61.2	95 100*	56.6	60.0	76 700*	60.0
		62.0	51.3	59.4	92 000*	54.5	58.1	74 600*	62.0
		66.0	47.0	55.3	86 300*	50.1	53.8	70 900*	66.0
5 3 3	1 7 5	70.0	42.4	50.5	81 400*	45.4	48.9	67 700*	70.0
		74.0	37.2	44.7	77 100*	40.0	42.9	64 900*	74.0
		78.0	31.1	37.5	73 300*	33.5	35.3	62 700*	78.0
		29.0	80.6	85.9	205 200*				29.0
		30.0	79.9	85.7	198 600*				30.0
		32.0	78.5	85.1	186 700*				32.0
		34.0	77.1	84.5	176 200*	80.5	83.5	125 300*	34.0
		36.0	75.7	83.9	166 900*	79.0	82.8	120 000*	36.0
		38.0	74.3	83.2	158 400*	77.6	82.1	115 200*	38.0
		40.0	72.8	82.4	150 700*	76.1	81.3	110 700*	40.0
		42.0	71.4	81.6	143 800*	74.6	80.5	106 700*	42.0
		44.0	69.9	80.7	137 400*	73.1	79.6	102 900*	44.0
		46.0	68.4	79.7	131 600*	71.6	78.6	99 300*	46.0
		48.0	66.9	78.7	126 300*	70.1	77.6	96 000*	48.0
		50.0	65.4	77.6	121 300*	68.5	76.5	93 000*	50.0
		52.0	63.8	76.5	116 800*	66.9	75.3	90 100*	52.0
		54.0	62.2	75.2	112 500*	65.3	74.0	87 400*	54.0
		56.0	60.6	73.9	108 600*	63.7	72.7	85 000*	56.0
		58.0	59.0	72.5	104 900*	62.0	71.3	82 600*	58.0
		60.0	57.3	71.1	101 400*	60.3	69.8	80 400*	60.0
		62.0	55.6	69.5	98 200*	58.6	68.2	78 300*	62.0
		66.0	52.0	66.0	92 400*	54.9	64.7	74 600*	66.0
		70.0	48.2	62.1	87 200*	51.0	60.7	71 200*	70.0
		74.0	44.2	57.6	82 700*	46.9	56.0	68 300*	74.0
		78.0	39.7	52.4	78 600*	42.3	50.6	65 700*	78.0
		82.0	34.7	46.1	75 100*	37.0	44.1	63 600*	82.0
		86.0				30.8	35.8	62 000*	86.0

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BOOM LGTH. METERS	BOOM LGTH. FEET	JIB OPER. RADIUS METERS	10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RADIUS METERS
			BOOM ANG. DEG.	JIB POINT ELEV. METERS	JIB CAPACITY KILOGRAMS	BOOM ANG. DEG.	JIB POINT ELEV. METERS	JIB CAPACITY KILOGRAMS	
6 1 · 0	2 0 0	30.5	80.5	93.4	202 300*				30.5
		32.0	79.5	93.0	193 700*				32.0
		34.0	78.2	92.5	183 300*				34.0
		36.0	76.9	91.9	174 000*	80.0	90.7	122 900*	36.0
		38.0	75.6	91.2	165 600*	78.7	90.1	118 300*	38.0
		40.0	74.3	90.5	157 900*	77.3	89.4	114 000*	40.0
		42.0	73.0	89.8	150 900*	76.0	88.6	110 000*	42.0
		44.0	71.7	89.0	144 500*	74.6	87.8	106 300*	44.0
		46.0	70.3	88.1	138 600*	73.3	86.9	102 900*	46.0
		48.0	69.0	87.2	133 200*	71.9	86.0	99 600*	48.0
		50.0	67.6	86.2	128 200*	70.5	85.0	96 600*	50.0
		52.0	66.2	85.2	123 500*	69.1	84.0	93 800*	52.0
		54.0	64.8	84.1	119 200*	67.6	82.9	91 100*	54.0
		56.0	63.3	82.9	115 100*	66.2	81.7	88 600*	56.0
		58.0	61.9	81.7	111 300*	64.7	80.4	86 300*	58.0
		60.0	60.4	80.4	107 800*	63.2	79.1	84 100*	60.0
		62.0	58.9	79.0	104 500*	61.7	77.7	82 000*	62.0
		66.0	55.8	76.0	98 400*	58.5	74.7	78 100*	66.0
		70.0	52.6	72.7	93 100*	55.2	71.3	74 700*	70.0
		74.0	49.2	68.9	88 200*	51.8	67.4	71 600*	74.0
		78.0	45.6	64.6	84 000*	48.0	63.0	68 900*	78.0
		82.0	41.7	59.8	80 100*	44.0	58.0	66 600*	82.0
		86.0	37.4	54.1	75 500*	39.6	52.2	64 500*	86.0
		90.0	32.5	47.4	64 600*	34.5	45.1	62 800*	90.0
		94.0				28.4	36.1	56 200*	94.0
6 8 · 6	2 2 5	32.0	80.3	100.8	201 300*				32.0
		34.0	79.2	100.3	191 100*				34.0
		36.0	78.0	99.8	181 700*				36.0
		38.0	76.8	99.2	173 300*	79.6	98.0	121 600*	38.0
		40.0	75.6	98.6	165 500*	78.4	97.4	117 400*	40.0
		42.0	74.4	97.9	158 400*	77.1	96.7	113 500*	42.0
		44.0	73.1	97.1	151 900*	75.9	96.0	109 900*	44.0
		46.0	71.9	96.4	145 900*	74.6	95.2	106 500*	46.0
		48.0	70.7	95.5	140 400*	73.4	94.3	103 300*	48.0
		50.0	69.4	94.6	135 200*	72.1	93.4	100 300*	50.0
		52.0	68.2	93.7	130 400*	70.8	92.5	97 500*	52.0
		54.0	66.9	92.7	126 000*	69.5	91.5	94 800*	54.0
		56.0	65.6	91.7	121 800*	68.2	90.4	92 300*	56.0
		58.0	64.3	90.6	117 900*	66.9	89.3	89 900*	58.0
		60.0	63.0	89.4	114 200*	65.6	88.1	87 700*	60.0
		62.0	61.6	88.2	110 800*	64.2	86.9	85 600*	62.0
		66.0	58.9	85.5	104 500*	61.4	84.2	81 700*	66.0
		70.0	56.0	82.6	98 900*	58.5	81.2	78 200*	70.0
		74.0	53.1	79.3	93 900*	55.5	77.8	75 000*	74.0
		78.0	50.0	75.6	89 400*	52.3	74.1	72 200*	78.0
		82.0	46.7	71.6	85 300*	49.0	69.9	69 600*	82.0
		86.0	43.2	67.0	80 700*	45.4	65.2	67 400*	86.0
		90.0	39.4	61.7	70 900*	41.5	59.8	65 400*	90.0
		94.0	35.3	55.7	61 700*	37.2	53.6	63 600*	94.0
		98.0	30.6	48.5	52 600*	32.3	46.0	55 000*	98.0

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30.5m (100 FT.) JIB

BOOM LGTH. METERS	BOOM LGTH. FEET	JIB OPER. RADIUS METERS	10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RADIUS METERS
			BOOM ANG. DEG.	JIB POINT ELEV. METERS	JIB CAPACITY KILOGRAMS	BOOM ANG. DEG.	JIB POINT ELEV. METERS	JIB CAPACITY KILOGRAMS	
7 6 - 2	2 5 0	32.0	81.0	108.6	204 100*				32.0
		34.0	79.9	108.2	200 600*				34.0
		36.0	78.8	107.7	190 400*				36.0
		38.0	77.7	107.1	181 800*				38.0
		40.0	76.6	106.5	173 900*	79.2	105.4	121 300*	40.0
		42.0	75.5	105.9	166 600*	78.1	104.7	117 400*	42.0
		44.0	74.4	105.2	160 000*	77.0	104.0	113 800*	44.0
		46.0	73.3	104.5	153 800*	75.8	103.3	110 400*	46.0
		48.0	72.1	103.7	148 100*	74.7	102.5	107 200*	48.0
		50.0	71.0	102.9	142 800*	73.5	101.7	104 200*	50.0
		52.0	69.8	102.1	137 800*	72.3	100.8	101 300*	52.0
		54.0	68.6	101.2	133 200*	71.1	99.9	98 700*	54.0
		56.0	67.5	100.2	128 800*	69.9	99.0	96 100*	56.0
		58.0	66.3	99.2	124 800*	68.7	97.9	93 700*	58.0
		60.0	65.1	98.1	121 000*	67.5	96.9	91 500*	60.0
		62.0	63.9	97.0	117 400*	66.3	95.7	89 300*	62.0
		66.0	61.4	94.6	110 800*	63.8	93.3	85 300*	66.0
		70.0	58.8	92.0	105 000*	61.2	90.6	81 700*	70.0
		74.0	56.2	89.1	99 700*	58.5	87.6	78 500*	74.0
		78.0	53.5	85.9	94 900*	55.7	84.4	75 500*	78.0
		82.0	50.6	82.3	90 200*	52.8	80.8	72 800*	82.0
		86.0	47.6	78.4	81 200*	49.8	76.7	70 400*	86.0
		90.0	44.5	74.0	72 500*	46.6	72.3	68 200*	90.0
		94.0	41.1	69.1	64 200*	43.1	67.2	66 200*	94.0
		98.0	37.5	63.5	56 200*	39.3	61.5	59 000*	98.0
		102.0	33.4	57.1	48 400*	35.1	54.8	50 900*	102.0
		106.0	28.8	49.4	40 500*	30.3	46.7	42 600*	106.0
8 3 - 8	2 7 5	35.1	80.1	115.7	195 700*				35.1
		36.0	79.6	115.5	191 700*				36.0
		38.0	78.6	115.0	183 400*				38.0
		40.0	77.5	114.5	175 900*	80.0	113.3	121 600*	40.0
		42.0	76.5	113.9	169 000*	78.9	112.7	118 000*	42.0
		44.0	75.5	113.3	162 600*	77.9	112.0	114 600*	44.0
		46.0	74.4	112.6	156 600*	76.8	111.4	111 400*	46.0
		48.0	73.4	111.9	151 100*	75.7	110.6	108 400*	48.0
		50.0	72.3	111.1	146 000*	74.7	109.9	105 500*	50.0
		52.0	71.2	110.3	141 100*	73.6	109.1	102 800*	52.0
		54.0	70.2	109.5	136 600*	72.5	108.2	100 200*	54.0
		56.0	69.1	108.6	132 400*	71.4	107.3	97 800*	56.0
		58.0	68.0	107.7	128 400*	70.3	106.4	95 500*	58.0
		60.0	66.9	106.7	124 600*	69.2	105.4	93 300*	60.0
		62.0	65.8	105.7	121 100*	68.0	104.4	91 200*	62.0
		66.0	63.5	103.5	114 600*	65.7	102.2	87 300*	66.0
		70.0	61.2	101.1	108 800*	63.4	99.7	83 800*	70.0
		74.0	58.8	98.5	103 500*	61.0	97.1	80 600*	74.0
		78.0	56.3	95.6	98 700*	58.5	94.1	77 700*	78.0
		82.0	53.8	92.4	90 100*	55.9	90.9	75 000*	82.0
		86.0	51.2	89.0	81 500*	53.2	87.4	72 600*	86.0
		90.0	48.4	85.2	73 500*	50.4	83.5	70 300*	90.0
		94.0	45.6	81.0	65 900*	47.5	79.2	68 200*	94.0
		98.0	42.5	76.3	58 600*	44.4	74.5	61 400*	98.0
		102.0	39.2	71.1	51 600*	41.0	69.1	54 300*	102.0
		106.0	35.7	65.2	44 700*	37.4	63.0	47 200*	106.0
		110.0	31.8	58.4	37 900*	33.3	55.9	40 200*	110.0
		114.0				28.5	47.3	32 900*	114.0

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			BOOM ANG. DEG.	JIB POINT ELEV. METERS	JIB CAPACITY KILOGRAMS	BOOM ANG. DEG.	JIB POINT ELEV. METERS	JIB CAPACITY KILOGRAMS	
9 1 · 4	3 0 0	35.1	80.7	123.5	204 100*				35.1
		36.0	80.3	123.3	200 700*				36.0
		38.0	79.3	122.9	192 800*				38.0
		40.0	78.3	122.4	185 000*	80.6	121.1	125 700*	40.0
		42.0	77.4	121.8	177 800*	79.6	120.6	122 000*	42.0
		44.0	76.4	121.2	171 100*	78.7	120.0	118 600*	44.0
		46.0	75.4	120.6	164 900*	77.7	119.4	115 400*	46.0
		48.0	74.4	119.9	159 200*	76.7	118.7	112 300*	48.0
		50.0	73.5	119.2	153 800*	75.7	118.0	109 400*	50.0
		52.0	72.5	118.5	148 800*	74.7	117.2	106 700*	52.0
		54.0	71.5	117.7	144 100*	73.7	116.5	104 100*	54.0
		56.0	70.5	116.9	139 700*	72.6	115.6	101 600*	56.0
		58.0	69.4	116.1	135 500*	71.6	114.8	99 300*	58.0
		60.0	68.4	115.2	131 600*	70.6	113.9	97 000*	60.0
		62.0	67.4	114.2	127 900*	69.5	112.9	94 900*	62.0
		66.0	65.3	112.2	121 100*	67.4	110.8	90 900*	66.0
		70.0	63.2	110.0	114 500*	65.3	108.6	87 300*	70.0
		74.0	61.0	107.6	104 400*	63.1	106.2	84 000*	74.0
		78.0	58.8	104.9	95 100*	60.8	103.5	81 000*	78.0
		82.0	56.5	102.1	86 600*	58.5	100.6	78 200*	82.0
		86.0	54.1	99.0	78 700*	56.1	97.4	75 700*	86.0
		90.0	51.7	95.6	71 200*	53.6	94.0	73 300*	90.0
		94.0	49.1	91.9	64 200*	51.0	90.2	67 100*	94.0
		98.0	46.5	87.8	57 500*	48.3	86.1	60 400*	98.0
		102.0	43.7	83.4	51 200*	45.5	81.6	54 000*	102.0
		106.0	40.7	78.5	45 000*	42.4	76.5	47 700*	106.0
		110.0	37.6	73.0	39 100*	39.2	70.8	41 600*	110.0
		114.0	34.1	66.7	33 100*	35.6	64.4	35 500*	114.0
		118.0	30.3	59.5	27 200*	31.6	56.9	29 300*	118.0
9 9 · 1	3 2 5	36.6	80.6	131.0	192 900*				36.6
		38.0	79.9	130.7	190 200*				38.0
		40.0	79.0	130.2	186 100*				40.0
		42.0	78.1	129.7	181 900*	80.3	128.4	126 300*	42.0
		44.0	77.2	129.1	177 800*	79.3	127.9	122 800*	44.0
		46.0	76.3	128.6	173 600*	78.4	127.3	119 500*	46.0
		48.0	75.4	127.9	167 700*	77.5	126.7	116 400*	48.0
		50.0	74.5	127.3	162 100*	76.6	126.0	113 500*	50.0
		52.0	73.5	126.6	156 800*	75.6	125.3	110 700*	52.0
		54.0	72.6	125.9	151 900*	74.7	124.6	108 000*	54.0
		56.0	71.7	125.1	147 300*	73.7	123.8	105 500*	56.0
		58.0	70.7	124.3	142 900*	72.8	123.0	103 100*	58.0
		60.0	69.8	123.5	136 300*	71.8	122.2	100 900*	60.0
		62.0	68.8	122.6	130 000*	70.8	121.3	98 700*	62.0
		66.0	66.9	120.7	118 500*	68.9	119.4	94 600*	66.0
		70.0	64.9	118.7	108 100*	66.9	117.3	90 900*	70.0
		74.0	62.9	116.5	98 700*	64.9	115.1	87 500*	74.0
		78.0	60.8	114.0	90 100*	62.8	112.6	84 300*	78.0
		82.0	58.7	111.4	82 200*	60.7	110.0	81 400*	82.0
		86.0	56.6	108.6	74 800*	58.5	107.1	77 800*	86.0
		90.0	54.4	105.5	68 000*	56.2	104.0	70 800*	90.0
		94.0	52.1	102.2	61 500*	53.9	100.6	64 400*	94.0
		98.0	49.7	98.6	55 400*	51.5	96.9	58 300*	98.0
		102.0	47.3	94.7	49 600*	49.0	92.9	52 400*	102.0
		106.0	44.7	90.4	44 000*	46.4	88.6	46 700*	106.0
		110.0	42.0	85.7	38 600*	43.6	83.7	41 300*	110.0
		114.0	39.1	80.5	33 400*	40.6	78.4	35 900*	114.0
		118.0	36.0	74.7	28 200*	37.5	72.4	30 600*	118.0
		122.0	32.6	68.1	23 000*	34.0	65.6	25 300*	122.0
		126.0	28.9	60.5	17 800*	30.0	57.7	19 900*	126.0

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 17.8m STRUT ON

BOOM NO. 75A

MAST NO. 75 OR NO. 75A

18.3m RINGER ATTACHMENT ON SCREW JACK PEDESTALS

23 590 kg CRANE COUNTERWEIGHT

715 590 kg AUXILIARY COUNTERWEIGHT

360 DEGREE RATING

30.5m (100 FT.) JIB

BOOM LGTH. METERS	BOOM LGTH. FEET	JIB OPER. RADIUS METERS	10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RADIUS METERS
			BOOM ANG. DEG.	JIB POINT ELEV. METERS	JIB CAPACITY KILOGRAMS	BOOM ANG. DEG.	JIB POINT ELEV. METERS	JIB CAPACITY KILOGRAMS	
1 0 6 · 7	3 5 0	38.1	80.5	138.5	160 700*				38.1
		40.0	79.6	138.0	160 200*				40.0
		42.0	78.8	137.5	157 400*				42.0
		44.0	77.9	137.0	153 700*	80.0	135.8	123 800*	44.0
		46.0	77.1	136.5	150 000*	79.1	135.2	120 700*	46.0
		48.0	76.2	135.9	146 200*	78.2	134.6	117 700*	48.0
		50.0	75.3	135.3	142 300*	77.3	134.0	114 900*	50.0
		52.0	74.5	134.7	138 400*	76.5	133.4	112 200*	52.0
		54.0	73.6	134.0	134 600*	75.6	132.7	109 600*	54.0
		56.0	72.7	133.3	130 600*	74.7	131.9	107 200*	56.0
		58.0	71.8	132.5	126 700*	73.8	131.2	104 900*	58.0
		60.0	70.9	131.7	122 900*	72.9	130.4	102 600*	60.0
		62.0	70.0	130.9	119 100*	72.0	129.6	100 500*	62.0
		66.0	68.2	129.2	111 100*	70.2	127.8	96 500*	66.0
		70.0	66.4	127.2	101 300*	68.3	125.9	92 800*	70.0
		74.0	64.5	125.2	92 400*	66.4	123.8	89 500*	74.0
		78.0	62.6	122.9	84 400*	64.5	121.5	86 200*	78.0
		82.0	60.7	120.5	77 000*	62.5	119.1	79 200*	82.0
		86.0	58.7	117.9	70 100*	60.5	116.4	72 300*	86.0
		90.0	56.7	115.1	63 700*	58.5	113.6	66 000*	90.0
		94.0	54.6	112.1	57 700*	56.4	110.5	60 000*	94.0
		98.0	52.5	108.8	52 100*	54.2	107.2	54 200*	98.0
		102.0	50.2	105.3	46 700*	51.9	103.6	48 800*	102.0
		106.0	48.0	101.4	41 500*	49.6	99.7	43 600*	106.0
		110.0	45.6	97.3	36 600*	47.2	95.5	38 600*	110.0
		114.0	43.1	92.8	31 800*	44.6	90.9	33 700*	114.0
		118.0	40.4	87.8	27 100*	41.9	85.8	29 000*	118.0
		122.0	37.6	82.4	22 600*	39.0	80.2	24 300*	122.0
		126.0	34.6	76.3	18 000*	35.9	73.9	19 600*	126.0
		130.0	31.3	69.4	13 500*	32.5	66.8	14 900*	130.0
		134.0				28.6	58.4	9 900*	134.0

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 17.8m STRUT ON

BOOM NO. 75A

MAST NO. 75 OR NO. 75A

18.3m RINGER ATTACHMENT ON SCREW JACK PEDESTALS

23 590 kg CRANE COUNTERWEIGHT

715 590 kg AUXILIARY COUNTERWEIGHT

360 DEGREE RATING

36.6m (120 FT.) JIB

BOOM LGTH. METERS	BOOM LGTH. FEET	JIB OPER. RADIUS METERS	10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RADIUS METERS
			BOOM ANG. DEG.	JIB POINT ELEV. METERS	JIB CAPACITY KILOGRAMS	BOOM ANG. DEG.	JIB POINT ELEV. METERS	JIB CAPACITY KILOGRAMS	
4 5 · 7	1 5 0	29.0	81.0	84.4	188 400*				29.0
		30.0	80.3	84.1	181 700*				30.0
		32.0	78.8	83.6	169 700*				32.0
		34.0	77.4	83.0	159 300*				34.0
		36.0	76.0	82.3	150 000*	80.1	81.2	111 000*	36.0
		38.0	74.5	81.6	141 800*	78.6	80.5	105 900*	38.0
		40.0	73.0	80.8	134 300*	77.1	79.7	101 300*	40.0
		42.0	71.5	79.9	127 600*	75.6	78.8	97 100*	42.0
		44.0	70.0	79.0	121 400*	74.1	77.9	93 200*	44.0
		46.0	68.5	78.1	115 900*	72.5	76.9	89 500*	46.0
		48.0	67.0	77.0	110 700*	71.0	75.9	86 200*	48.0
		50.0	65.4	75.9	106 000*	69.4	74.7	83 100*	50.0
		52.0	63.8	74.7	101 700*	67.8	73.5	80 300*	52.0
		54.0	62.2	73.5	97 700*	66.1	72.3	77 500*	54.0
		56.0	60.5	72.1	93 900*	64.4	70.9	75 000*	56.0
		58.0	58.8	70.7	90 500*	62.7	69.4	72 700*	58.0
		60.0	57.1	69.2	87 300*	60.9	67.9	70 500*	60.0
		62.0	55.3	67.6	84 300*	59.1	66.3	68 400*	62.0
		66.0	51.7	64.0	78 800*	55.4	62.6	64 600*	66.0
		70.0	47.7	60.0	74 000*	51.4	58.4	61 300*	70.0
5 3 · 3	1 7 5	74.0	43.5	55.3	69 800*	47.0	53.6	58 400*	74.0
		78.0	38.8	49.8	66 000*	42.2	47.9	55 900*	78.0
		82.0	33.5	43.1	62 700*	36.6	40.9	53 700*	82.0
		86.0				29.6	31.7	52 000*	86.0
		30.5	80.8	91.8	182 800*				30.5
		32.0	79.8	91.5	174 400*				32.0
		34.0	78.5	90.9	164 300*				34.0
		36.0	77.2	90.3	155 300*				36.0
		38.0	75.9	89.6	147 200*	79.6	88.5	108 000*	38.0
		40.0	74.5	88.9	139 900*	78.3	87.8	103 600*	40.0
		42.0	73.2	88.2	133 200*	76.9	87.0	99 600*	42.0
		44.0	71.8	87.3	127 100*	75.5	86.2	95 800*	44.0
		46.0	70.4	86.5	121 600*	74.2	85.3	92 400*	46.0
		48.0	69.1	85.5	116 400*	72.7	84.3	89 100*	48.0
		50.0	67.7	84.6	111 700*	71.3	83.3	86 100*	50.0
		52.0	66.2	83.5	107 300*	69.9	82.3	83 300*	52.0
		54.0	64.8	82.4	103 300*	68.4	81.1	80 700*	54.0
		56.0	63.3	81.2	99 500*	66.9	79.9	78 200*	56.0
		58.0	61.8	79.9	96 000*	65.4	78.6	75 900*	58.0
		60.0	60.3	78.6	92 700*	63.9	77.3	73 700*	60.0
		62.0	58.8	77.2	89 700*	62.3	75.8	71 600*	62.0
		66.0	55.6	74.1	84 100*	59.1	72.7	67 800*	66.0
		70.0	52.3	70.7	79 100*	55.7	69.2	64 500*	70.0
		74.0	48.8	66.8	74 700*	52.1	65.2	61 500*	74.0
		78.0	45.0	62.4	70 800*	48.2	60.7	58 900*	78.0
		82.0	41.0	57.3	67 300*	44.0	55.4	56 500*	82.0
		86.0	36.4	51.4	64 200*	39.3	49.3	54 500*	86.0
		90.0	31.3	44.2	61 300*	33.9	41.7	52 800*	90.0

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 17.8m STRUT ON

BOOM NO. 75A

MAST NO. 75 OR NO. 75A

18.3m RINGER ATTACHMENT ON SCREW JACK PEDESTALS

23 590 kg CRANE COUNTERWEIGHT

715 590 kg AUXILIARY COUNTERWEIGHT

360 DEGREE RATING

36.6m (120 FT.) JIB

BOOM LGTH. METERS	BOOM LGTH. FEET	JIB OPER. RADIUS METERS	10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RADIUS METERS
			BOOM ANG. DEG.	JIB POINT ELEV. METERS	JIB CAPACITY KILOGRAMS	BOOM ANG. DEG.	JIB POINT ELEV. METERS	JIB CAPACITY KILOGRAMS	
6 1 · 0	2 0 0	32.0	80.6	99.3	179 900*				32.0
		34.0	79.4	98.8	170 100*				34.0
		36.0	78.2	98.2	161 200*				36.0
		38.0	77.0	97.6	153 100*				38.0
		40.0	75.8	97.0	145 900*	79.3	95.8	106 200*	40.0
		42.0	74.5	96.3	139 200*	78.0	95.1	102 300*	42.0
		44.0	73.3	95.5	133 100*	76.8	94.3	98 700*	44.0
		46.0	72.1	94.7	127 500*	75.5	93.5	95 300*	46.0
		48.0	70.8	93.9	122 300*	74.2	92.6	92 100*	48.0
		50.0	69.5	93.0	117 600*	72.9	91.7	89 200*	50.0
		52.0	68.2	92.0	113 100*	71.6	90.8	86 400*	52.0
		54.0	66.9	91.0	109 000*	70.3	89.7	83 800*	54.0
		56.0	65.6	90.0	105 100*	68.9	88.7	81 400*	56.0
		58.0	64.3	88.8	101 500*	67.6	87.5	79 000*	58.0
		60.0	62.9	87.7	98 200*	66.2	86.3	76 900*	60.0
		62.0	61.6	86.4	95 000*	64.8	85.0	74 800*	62.0
		66.0	58.7	83.7	89 300*	62.0	82.3	71 000*	66.0
		70.0	55.8	80.7	84 200*	59.0	79.2	67 600*	70.0
		74.0	52.8	77.3	79 600*	55.9	75.8	64 600*	74.0
		78.0	49.6	73.5	75 500*	52.6	71.9	61 900*	78.0
		82.0	46.2	69.3	71 800*	49.2	67.6	59 400*	82.0
		86.0	42.6	64.6	68 500*	45.5	62.7	57 200*	86.0
		90.0	38.7	59.1	65 500*	41.4	57.1	55 200*	90.0
		94.0	34.3	52.8	61 400*	36.9	50.4	53 600*	94.0
		98.0	29.3	45.1	51 800*	31.5	42.3	52 200*	98.0
6 8 · 6	2 2 5	33.5	80.5	106.8	178 900*				33.5
		34.0	80.2	106.6	176 800*				34.0
		36.0	79.1	106.1	167 800*				36.0
		38.0	78.0	105.6	159 700*				38.0
		40.0	76.8	105.0	152 400*	80.1	103.7	109 100*	40.0
		42.0	75.7	104.3	145 700*	78.9	103.1	105 300*	42.0
		44.0	74.6	103.6	139 500*	77.8	102.4	101 700*	44.0
		46.0	73.4	102.9	133 800*	76.6	101.6	98 400*	46.0
		48.0	72.3	102.1	128 600*	75.4	100.8	95 300*	48.0
		50.0	71.1	101.3	123 700*	74.2	100.0	92 400*	50.0
		52.0	69.9	100.4	119 200*	73.1	99.1	89 600*	52.0
		54.0	68.7	99.5	114 900*	71.9	98.2	87 000*	54.0
		56.0	67.5	98.5	111 000*	70.6	97.2	84 600*	56.0
		58.0	66.3	97.5	107 300*	69.4	96.2	82 300*	58.0
		60.0	65.1	96.4	103 800*	68.2	95.1	80 100*	60.0
		62.0	63.8	95.3	100 600*	66.9	93.9	78 000*	62.0
		66.0	61.3	92.9	94 600*	64.3	91.4	74 200*	66.0
		70.0	58.7	90.2	89 300*	61.7	88.7	70 800*	70.0
		74.0	56.0	87.2	84 500*	58.9	85.7	67 600*	74.0
		78.0	53.2	83.9	80 300*	56.1	82.3	64 800*	78.0
		82.0	50.3	80.3	76 400*	53.1	78.6	62 300*	82.0
		86.0	47.3	76.2	72 900*	50.0	74.5	60 000*	86.0
		90.0	44.0	71.7	69 700*	46.6	69.8	57 900*	90.0
		94.0	40.5	66.6	66 100*	43.1	64.6	56 000*	94.0
		98.0	36.7	60.8	57 900*	39.1	58.6	54 400*	98.0
		102.0	32.5	54.0	49 800*	34.7	51.5	52 400*	102.0
		106.0				29.4	42.7	43 800*	106.0

MANITOWOC ENGINEERING CO.

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LIFTCRANE JIB CAPACITIES

MEETS
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M-1200

JIB NO. 49A-44 WITH HEAVY LIFT TOP AND 17.8m STRUT ON

BOOM NO. 75A

MAST NO. 75 OR NO. 75A

18.3m RINGER ATTACHMENT ON SCREW JACK PEDESTALS

23 590 kg CRANE COUNTERWEIGHT

715 590 kg AUXILIARY COUNTERWEIGHT

360 DEGREE RATING

36.6m (120 FT.) JIB

BOOM LGTH. METERS	BOOM LGTH. FEET	JIB OPER. RADIUS METERS	10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RADIUS METERS
			BOOM ANG. DEG.	JIB POINT ELEV. METERS	JIB CAPACITY KILOGRAMS	BOOM ANG. DEG.	JIB POINT ELEV. METERS	JIB CAPACITY KILOGRAMS	
7 6 · 2	2 5 0	35.1	80.3	114.2	179 600*				35.1
		36.0	79.8	114.0	175 500*				36.0
		38.0	78.8	113.5	167 200*				38.0
		40.0	77.7	112.9	159 800*	80.8	111.6	112 500*	40.0
		42.0	76.7	112.3	152 900*	79.7	111.0	108 700*	42.0
		44.0	75.6	111.7	146 600*	78.6	110.4	105 100*	44.0
		46.0	74.6	111.0	140 700*	77.6	109.7	101 800*	46.0
		48.0	73.5	110.3	135 300*	76.5	109.0	98 700*	48.0
		50.0	72.4	109.5	130 300*	75.4	108.2	95 800*	50.0
		52.0	71.3	108.7	125 600*	74.3	107.4	93 100*	52.0
		54.0	70.3	107.9	121 200*	73.2	106.5	90 400*	54.0
		56.0	69.2	107.0	117 100*	72.1	105.6	88 000*	56.0
		58.0	68.0	106.0	113 300*	70.9	104.7	85 600*	58.0
		60.0	66.9	105.0	109 700*	69.8	103.7	83 400*	60.0
		62.0	65.8	104.0	106 400*	68.6	102.6	81 300*	62.0
		66.0	63.5	101.8	100 200*	66.3	100.3	77 400*	66.0
		70.0	61.1	99.3	94 700*	63.9	97.9	73 900*	70.0
		74.0	58.7	96.6	89 700*	61.4	95.1	70 700*	74.0
		78.0	56.2	93.7	85 200*	58.9	92.1	67 800*	78.0
		82.0	53.6	90.5	81 200*	56.3	88.8	65 200*	82.0
		86.0	50.9	86.9	77 400*	53.5	85.2	62 800*	86.0
		90.0	48.1	83.0	74 100*	50.7	81.2	60 600*	90.0
		94.0	45.1	78.7	67 100*	47.6	76.8	58 600*	94.0
		98.0	42.0	73.9	59 600*	44.4	71.9	56 800*	98.0
		102.0	38.6	68.5	52 400*	40.9	66.3	55 200*	102.0
		106.0	34.9	62.3	45 300*	37.1	59.9	48 000*	106.0
		110.0	30.8	55.1	38 300*	32.7	52.4	40 700*	110.0
		114.0				27.5	43.0	32 900*	114.0
8 3 · 8	2 7 5	36.6	80.2	121.7	173 800*				36.6
		38.0	79.5	121.3	168 400*				38.0
		40.0	78.5	120.8	161 300*				40.0
		42.0	77.6	120.2	154 700*	80.4	118.9	109 000*	42.0
		44.0	76.6	119.6	148 700*	79.4	118.3	105 700*	44.0
		46.0	75.6	119.0	143 000*	78.4	117.7	102 500*	46.0
		48.0	74.6	118.4	137 800*	77.4	117.0	99 600*	48.0
		50.0	73.6	117.6	132 900*	76.4	116.3	96 800*	50.0
		52.0	72.6	116.9	128 400*	75.3	115.5	94 200*	52.0
		54.0	71.6	116.1	124 100*	74.3	114.7	91 700*	54.0
		56.0	70.5	115.3	120 200*	73.3	113.9	89 300*	56.0
		58.0	69.5	114.4	116 400*	72.2	113.0	87 100*	58.0
		60.0	68.5	113.5	112 900*	71.2	112.1	85 000*	60.0
		62.0	67.4	112.5	109 500*	70.1	111.1	82 900*	62.0
		66.0	65.3	110.5	103 400*	68.0	109.0	79 200*	66.0
		70.0	63.1	108.2	98 000*	65.8	106.8	75 700*	70.0
		74.0	60.9	105.8	93 000*	63.5	104.3	72 600*	74.0
		78.0	58.7	103.1	88 500*	61.2	101.6	69 800*	78.0
		82.0	56.3	100.2	84 500*	58.9	98.6	67 200*	82.0
		86.0	53.9	97.0	80 700*	56.4	95.4	64 800*	86.0
		90.0	51.4	93.6	75 000*	53.9	91.9	62 500*	90.0
		94.0	48.8	89.8	67 700*	51.2	88.0	60 600*	94.0
		98.0	46.1	85.6	60 800*	48.4	83.7	58 700*	98.0
		102.0	43.2	81.1	54 200*	45.5	79.0	57 000*	102.0
		106.0	40.2	76.0	47 800*	42.4	73.8	50 600*	106.0
		110.0	36.9	70.3	41 600*	39.0	67.9	44 200*	110.0
		114.0	33.3	63.7	35 400*	35.2	61.1	37 800*	114.0
		118.0	29.2	56.1	29 200*	30.9	53.1	31 300*	118.0

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 17.8m STRUT ON

BOOM NO. 75A

MAST NO. 75 OR NO. 75A

18.3m RINGER ATTACHMENT ON SCREW JACK PEDESTALS

23 590 kg CRANE COUNTERWEIGHT

715 590 kg AUXILIARY COUNTERWEIGHT

360 DEGREE RATING

36.6m (120 FT.) JIB

BOOM LGTH. METERS	BOOM LGTH. FEET	JIB OPER. RADIUS METERS	10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RADIUS METERS
			BOOM ANG. DEG.	JIB POINT ELEV. METERS	JIB CAPACITY KILOGRAMS	BOOM ANG. DEG.	JIB POINT ELEV. METERS	JIB CAPACITY KILOGRAMS	
9 1 · 4	3 0 0	36.6	80.8	129.5	176 900*				36.6
		38.0	80.1	129.1	176 300*				38.0
		40.0	79.2	128.7	169 300*				40.0
		42.0	78.3	128.1	162 600*				42.0
		44.0	77.4	127.6	156 300*	80.0	126.2	109 300*	44.0
		46.0	76.5	127.0	150 400*	79.1	125.6	106 200*	46.0
		48.0	75.5	126.4	145 000*	78.2	125.0	103 200*	48.0
		50.0	74.6	125.7	140 000*	77.2	124.3	100 400*	50.0
		52.0	73.7	125.0	135 200*	76.3	123.6	97 700*	52.0
		54.0	72.7	124.3	130 800*	75.3	122.9	95 200*	54.0
		56.0	71.8	123.5	126 700*	74.3	122.1	92 800*	56.0
		58.0	70.8	122.7	122 800*	73.4	121.3	90 500*	58.0
		60.0	69.8	121.8	119 000*	72.4	120.4	88 300*	60.0
		62.0	68.9	121.0	115 600*	71.4	119.5	86 300*	62.0
		66.0	66.9	119.1	109 200*	69.4	117.6	82 400*	66.0
		70.0	64.9	117.0	103 500*	67.4	115.5	79 000*	70.0
		74.0	62.9	114.7	98 300*	65.3	113.2	75 700*	74.0
		78.0	60.8	112.3	93 600*	63.2	110.7	72 800*	78.0
		82.0	58.6	109.6	86 900*	61.1	108.0	70 100*	82.0
		86.0	56.5	106.7	79 200*	58.8	105.1	67 600*	86.0
		90.0	54.2	103.6	72 000*	56.5	101.9	65 300*	90.0
		94.0	51.9	100.2	65 300*	54.2	98.5	63 200*	94.0
		98.0	49.5	96.5	58 900*	51.7	94.7	61 100*	98.0
		102.0	46.9	92.5	52 800*	49.1	90.6	55 700*	102.0
		106.0	44.3	88.1	47 000*	46.4	86.1	49 800*	106.0
		110.0	41.5	83.3	41 400*	43.6	81.1	44 100*	110.0
		114.0	38.5	77.9	35 900*	40.5	75.6	38 500*	114.0
		118.0	35.3	71.9	30 500*	37.2	69.4	32 900*	118.0
		122.0	31.8	65.0	25 100*	33.5	62.2	27 300*	122.0
		126.0				29.3	53.7	21 600*	126.0

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 17.8m STRUT ON

BOOM NO. 75A

MAST NO. 75 OR NO. 75A

18.3m RINGER ATTACHMENT ON SCREW JACK PEDESTALS

23 590 kg CRANE COUNTERWEIGHT

715 590 kg AUXILIARY COUNTERWEIGHT

360 DEGREE RATING

42.7m (140 FT.) JIB

BOOM LGTH. METERS	BOOM LGTH. FEET	JIB OPER. RADIUS METERS	10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RADIUS METERS
			BOOM ANG. DEG.	JIB POINT ELEV. METERS	JIB CAPACITY KILOGRAMS	BOOM ANG. DEG.	JIB POINT ELEV. METERS	JIB CAPACITY KILOGRAMS	
4 5 7	1 5 0	32.0	80.9	89.8	156 000*				32.0
		34.0	79.5	89.2	146 400*				34.0
		36.0	78.2	88.6	137 800*				36.0
		38.0	76.8	87.9	130 100*				38.0
		40.0	75.5	87.2	123 200*	79.6	86.1	93 200*	40.0
		42.0	74.1	86.4	116 900*	78.2	85.3	89 200*	42.0
		44.0	72.7	85.6	111 200*	76.8	84.4	85 500*	44.0
		46.0	71.3	84.7	106 000*	75.4	83.5	82 100*	46.0
		48.0	69.9	83.8	101 200*	74.0	82.6	78 900*	48.0
		50.0	68.5	82.7	96 800*	72.5	81.5	76 000*	50.0
		52.0	67.0	81.7	92 800*	71.0	80.5	73 200*	52.0
		54.0	65.5	80.5	89 000*	69.5	79.3	70 700*	54.0
		56.0	64.0	79.3	85 600*	68.0	78.1	68 200*	56.0
		58.0	62.5	78.0	82 300*	66.4	76.7	66 000*	58.0
		60.0	60.9	76.6	79 300*	64.9	75.3	63 900*	60.0
		62.0	59.4	75.2	76 500*	63.3	73.9	61 900*	62.0
		66.0	56.1	72.0	71 300*	59.9	70.6	58 300*	66.0
		70.0	52.7	68.5	66 800*	56.4	67.0	55 000*	70.0
		74.0	49.0	64.4	62 800*	52.7	62.9	52 200*	74.0
		78.0	45.1	59.8	59 200*	48.7	58.1	49 600*	78.0
5 3 3	1 7 5	82.0	40.9	54.5	56 100*	44.3	52.6	47 400*	82.0
		86.0	36.1	48.2	53 200*	39.3	46.1	45 500*	86.0
		90.0	30.5	40.4	50 500*	33.3	37.8	43 800*	90.0
		33.5	80.7	97.2	152 000*				33.5
		34.0	80.4	97.1	150 000*				34.0
		36.0	79.2	96.5	141 600*				36.0
		38.0	77.9	95.9	134 200*				38.0
		40.0	76.7	95.3	127 400*	80.5	94.1	94 800*	40.0
		42.0	75.4	94.6	121 300*	79.2	93.3	91 000*	42.0
		44.0	74.2	93.8	115 700*	77.9	92.6	87 500*	44.0
		46.0	72.9	93.0	110 500*	76.7	91.8	84 200*	46.0
		48.0	71.6	92.1	105 800*	75.3	90.9	81 100*	48.0
		50.0	70.3	91.2	101 400*	74.0	89.9	78 300*	50.0
		52.0	69.0	90.2	97 300*	72.7	89.0	75 600*	52.0
		54.0	67.7	89.2	93 600*	71.3	87.9	73 100*	54.0
		56.0	66.3	88.1	90 100*	70.0	86.8	70 800*	56.0
		58.0	64.9	87.0	86 900*	68.6	85.6	68 600*	58.0
		60.0	63.6	85.7	83 800*	67.2	84.4	66 500*	60.0
		62.0	62.2	84.5	80 900*	65.8	83.1	64 500*	62.0
		66.0	59.3	81.7	75 700*	62.8	80.3	61 000*	66.0
		70.0	56.3	78.6	71 100*	59.8	77.1	57 700*	70.0
		74.0	53.2	75.1	67 000*	56.6	73.6	54 900*	74.0
		78.0	49.9	71.2	63 300*	53.2	69.6	52 300*	78.0
		82.0	46.4	66.9	60 000*	49.6	65.1	50 000*	82.0
		86.0	42.6	61.9	57 000*	45.8	60.0	47 900*	86.0
		90.0	38.5	56.2	54 300*	41.5	54.1	46 100*	90.0
		94.0	33.8	49.4	51 900*	36.6	47.0	44 500*	94.0
		98.0				30.7	38.0	43 200*	98.0

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 17.8m STRUT ON

BOOM NO. 75A

MAST NO. 75 OR NO. 75A

18.3m RINGER ATTACHMENT ON SCREW JACK PEDESTALS

23 590 kg CRANE COUNTERWEIGHT

715 590 kg AUXILIARY COUNTERWEIGHT

360 DEGREE RATING

42.7m (140 FT.) JIB

BOOM LGTH. METERS	BOOM LGTH. FEET	JIB OPER. RADIUS METERS	10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RADIUS METERS
			BOOM ANG. DEG.	JIB POINT ELEV. METERS	JIB CAPACITY KILOGRAMS	BOOM ANG. DEG.	JIB POINT ELEV. METERS	JIB CAPACITY KILOGRAMS	
6 1 0	2 0 0	35.1	80.5	104.7	149 600*				35.1
		36.0	80.0	104.4	146 100*				36.0
		38.0	78.8	103.9	138 900*				38.0
		40.0	77.7	103.3	132 200*				40.0
		42.0	76.5	102.6	126 100*	80.1	101.3	93 100*	42.0
		44.0	75.4	101.9	120 500*	78.9	100.6	89 700*	44.0
		46.0	74.2	101.2	115 300*	77.7	99.9	86 500*	46.0
		48.0	73.0	100.4	110 600*	76.5	99.1	83 500*	48.0
		50.0	71.8	99.5	106 200*	75.3	98.2	80 700*	50.0
		52.0	70.6	98.6	102 100*	74.1	97.3	78 100*	52.0
		54.0	69.4	97.7	98 300*	72.9	96.4	75 700*	54.0
		56.0	68.2	96.7	94 800*	71.6	95.4	73 400*	56.0
		58.0	67.0	95.7	91 400*	70.4	94.3	71 200*	58.0
		60.0	65.7	94.6	88 400*	69.1	93.2	69 100*	60.0
		62.0	64.5	93.4	85 500*	67.8	92.0	67 200*	62.0
		66.0	61.9	90.9	80 100*	65.2	89.5	63 600*	66.0
		70.0	59.2	88.1	75 400*	62.5	86.7	60 400*	70.0
		74.0	56.4	85.1	71 100*	59.7	83.5	57 500*	74.0
		78.0	53.6	81.7	67 300*	56.7	80.1	54 800*	78.0
		82.0	50.6	78.0	63 900*	53.7	76.3	52 500*	82.0
		86.0	47.4	73.8	60 800*	50.4	72.0	50 300*	86.0
		90.0	44.0	69.1	58 000*	47.0	67.2	48 400*	90.0
		94.0	40.4	63.8	55 400*	43.2	61.7	46 700*	94.0
		98.0	36.4	57.7	53 100*	39.0	55.4	45 100*	98.0
		102.0	31.9	50.5	49 400*	34.3	47.8	43 900*	102.0
		106.0				28.5	38.1	42 300*	106.0
6 8 6	2 2 5	36.6	80.4	112.1	149 300*				36.6
		38.0	79.6	111.7	144 200*				38.0
		40.0	78.6	111.2	137 500*				40.0
		42.0	77.5	110.6	131 300*				42.0
		44.0	76.4	109.9	125 800*	79.7	108.6	92 100*	44.0
		46.0	75.3	109.2	120 500*	78.6	107.9	89 000*	46.0
		48.0	74.2	108.5	115 700*	77.5	107.2	86 100*	48.0
		50.0	73.1	107.7	111 300*	76.4	106.4	83 300*	50.0
		52.0	72.0	106.9	107 100*	75.3	105.6	80 700*	52.0
		54.0	70.9	106.1	103 300*	74.1	104.7	78 300*	54.0
		56.0	69.8	105.2	99 700*	73.0	103.8	76 000*	56.0
		58.0	68.7	104.2	96 300*	71.9	102.8	73 900*	58.0
		60.0	67.5	103.2	93 100*	70.7	101.8	71 800*	60.0
		62.0	66.4	102.1	90 100*	69.5	100.7	69 900*	62.0
		66.0	64.0	99.9	84 600*	67.1	98.4	66 300*	66.0
		70.0	61.6	97.4	79 800*	64.7	95.9	63 000*	70.0
		74.0	59.1	94.6	75 300*	62.2	93.1	60 100*	74.0
		78.0	56.6	91.6	71 400*	59.6	90.0	57 400*	78.0
		82.0	53.9	88.3	67 800*	56.9	86.6	55 000*	82.0
		86.0	51.2	84.7	64 600*	54.0	82.9	52 800*	86.0
		90.0	48.3	80.6	61 600*	51.1	78.8	50 800*	90.0
		94.0	45.2	76.2	59 000*	47.9	74.2	49 000*	94.0
		98.0	42.0	71.2	56 500*	44.6	69.1	47 300*	98.0
		102.0	38.4	65.6	54 200*	40.9	63.3	45 800*	102.0
		106.0	34.5	59.1	47 000*	36.9	56.5	44 600*	106.0
		110.0	30.1	51.4	39 600*	32.2	48.4	42 300*	110.0

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 17.8m STRUT ON

BOOM NO. 75A

MAST NO. 75 OR NO. 75A

18.3m RINGER ATTACHMENT ON SCREW JACK PEDESTALS

23 590 kg CRANE COUNTERWEIGHT

715 590 kg AUXILIARY COUNTERWEIGHT

360 DEGREE RATING

42.7m (140 FT.) JIB

BOOM LGTH. METERS	BOOM LGTH. FEET	JIB OPER. RADIUS METERS	10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RADIUS METERS
			BOOM ANG. DEG.	JIB POINT ELEV. METERS	JIB CAPACITY KILOGRAMS	BOOM ANG. DEG.	JIB POINT ELEV. METERS	JIB CAPACITY KILOGRAMS	
7 6 · 2	2 5 0	36.6	81.0	119.9	149 600*				36.6
		38.0	80.3	119.6	149 600*				38.0
		40.0	79.3	119.1	143 600*				40.0
		42.0	78.3	118.5	137 300*				42.0
		44.0	77.3	117.9	131 600*				44.0
		46.0	76.3	117.3	126 300*	79.4	115.9	91 800*	46.0
		48.0	75.3	116.6	121 400*	78.3	115.2	88 900*	48.0
		50.0	74.3	115.9	116 800*	77.3	114.5	86 200*	50.0
		52.0	73.3	115.1	112 600*	76.3	113.7	83 600*	52.0
		54.0	72.2	114.3	108 600*	75.2	112.9	81 200*	54.0
		56.0	71.2	113.5	104 900*	74.2	112.1	78 900*	56.0
		58.0	70.1	112.6	101 400*	73.1	111.2	76 700*	58.0
		60.0	69.1	111.7	98 100*	72.1	110.2	74 700*	60.0
		62.0	68.0	110.7	95 000*	71.0	109.2	72 700*	62.0
		66.0	65.9	108.6	89 400*	68.8	107.1	69 100*	66.0
		70.0	63.7	106.3	84 300*	66.5	104.8	65 800*	70.0
		74.0	61.4	103.8	79 800*	64.3	102.3	62 800*	74.0
		78.0	59.1	101.1	75 700*	61.9	99.5	60 100*	78.0
		82.0	56.7	98.1	71 900*	59.5	96.5	57 600*	82.0
		86.0	54.2	94.9	68 500*	57.0	93.2	55 300*	86.0
		90.0	51.7	91.3	65 400*	54.4	89.5	53 200*	90.0
		94.0	49.0	87.4	62 600*	51.6	85.6	51 300*	94.0
		98.0	46.2	83.2	60 000*	48.8	81.2	49 600*	98.0
		102.0	43.2	78.4	55 400*	45.7	76.3	47 900*	102.0
		106.0	40.1	73.2	48 800*	42.5	70.9	46 500*	106.0
		110.0	36.6	67.2	42 300*	38.9	64.7	45 000*	110.0
		114.0	32.8	60.3	36 000*	34.9	57.5	38 600*	114.0
		118.0				30.3	48.9	31 700*	118.0
8 3 · 8	2 7 5	38.1	80.8	127.4	149 600*				38.1
		40.0	80.0	126.9	144 300*				40.0
		42.0	79.0	126.4	138 300*				42.0
		44.0	78.1	125.8	132 900*				44.0
		46.0	77.2	125.2	127 800*	80.0	123.8	92 100*	46.0
		48.0	76.2	124.6	123 100*	79.1	123.2	89 300*	48.0
		50.0	75.3	123.9	118 700*	78.1	122.5	86 800*	50.0
		52.0	74.3	123.2	114 600*	77.2	121.8	84 300*	52.0
		54.0	73.3	122.5	110 700*	76.2	121.0	82 000*	54.0
		56.0	72.4	121.7	107 100*	75.2	120.3	79 800*	56.0
		58.0	71.4	120.9	103 700*	74.2	119.4	77 700*	58.0
		60.0	70.4	120.0	100 500*	73.2	118.5	75 800*	60.0
		62.0	69.4	119.1	97 500*	72.2	117.6	73 900*	62.0
		66.0	67.4	117.2	91 900*	70.2	115.7	70 400*	66.0
		70.0	65.4	115.1	86 900*	68.1	113.5	67 200*	70.0
		74.0	63.3	112.8	82 500*	66.0	111.2	64 300*	74.0
		78.0	61.2	110.3	78 300*	63.9	108.7	61 600*	78.0
		82.0	59.0	107.6	74 600*	61.7	105.9	59 200*	82.0
		86.0	56.8	104.6	71 200*	59.4	102.9	56 900*	86.0
		90.0	54.5	101.4	68 100*	57.1	99.7	54 800*	90.0
		94.0	52.1	98.0	65 200*	54.6	96.1	52 900*	94.0
		98.0	49.6	94.2	62 400*	52.1	92.3	51 200*	98.0
		102.0	47.1	90.1	56 100*	49.5	88.1	49 600*	102.0
		106.0	44.3	85.5	50 000*	46.7	83.4	48 100*	106.0
		110.0	41.5	80.5	44 200*	43.7	78.3	46 600*	110.0
		114.0	38.4	75.0	38 500*	40.5	72.5	41 300*	114.0
		118.0	35.0	68.7	32 900*	37.0	66.0	35 400*	118.0
		122.0	31.3	61.4	27 200*	33.1	58.4	29 500*	122.0
		126.0				28.6	49.2	23 300*	126.0

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 17.8m STRUT ON

BOOM NO. 75A

MAST NO. 75 OR NO. 75A

18.3m RINGER ATTACHMENT ON SCREW JACK PEDESTALS

23 590 kg CRANE COUNTERWEIGHT

715 590 kg AUXILIARY COUNTERWEIGHT

360 DEGREE RATING

42.7m (140 FT.) JIB

BOOM LGTH. METERS	BOOM LGTH. FEET	JIB OPER. RADIUS METERS	10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RADIUS METERS
			BOOM ANG. DEG.	JIB POINT ELEV. METERS	JIB CAPACITY KILOGRAMS	BOOM ANG. DEG.	JIB POINT ELEV. METERS	JIB CAPACITY KILOGRAMS	
9 1 · 4	3 0 0	39.6	80.7	134.9	149 600*				39.6
		40.0	80.5	134.8	149 100*				40.0
		42.0	79.7	134.3	145 200*				42.0
		44.0	78.8	133.7	139 300*				44.0
		46.0	77.9	133.2	134 000*	80.6	131.7	95 100*	46.0
		48.0	77.0	132.6	129 200*	79.7	131.1	92 400*	48.0
		50.0	76.1	132.0	124 600*	78.8	130.5	89 800*	50.0
		52.0	75.2	131.3	120 400*	77.9	129.8	87 300*	52.0
		54.0	74.3	130.6	116 400*	77.0	129.1	85 000*	54.0
		56.0	73.4	129.9	112 600*	76.1	128.4	82 800*	56.0
		58.0	72.5	129.1	109 100*	75.2	127.6	80 700*	58.0
		60.0	71.6	128.3	105 800*	74.3	126.8	78 700*	60.0
		62.0	70.7	127.4	102 600*	73.3	125.9	76 800*	62.0
		66.0	68.8	125.6	96 900*	71.4	124.1	73 200*	66.0
		70.0	66.9	123.7	91 700*	69.5	122.1	70 000*	70.0
		74.0	65.0	121.5	87 000*	67.6	120.0	67 000*	74.0
		78.0	63.0	119.2	82 700*	65.6	117.6	64 300*	78.0
		82.0	61.0	116.7	78 800*	63.6	115.1	61 700*	82.0
		86.0	59.0	114.0	75 200*	61.5	112.3	59 400*	86.0
		90.0	56.9	111.1	71 900*	59.3	109.4	57 300*	90.0
		94.0	54.7	108.0	66 000*	57.1	106.2	55 300*	94.0
		98.0	52.5	104.6	59 800*	54.9	102.7	53 400*	98.0
		102.0	50.2	100.9	53 900*	52.5	99.0	51 700*	102.0
		106.0	47.8	96.9	48 400*	50.1	94.9	50 200*	106.0
		110.0	45.3	92.5	43 000*	47.5	90.4	46 000*	110.0
		114.0	42.6	87.8	37 800*	44.8	85.5	40 700*	114.0
		118.0	39.8	82.5	32 800*	41.9	80.1	35 500*	118.0
		122.0	36.8	76.6	27 800*	38.8	74.0	30 500*	122.0
		126.0	33.5	70.0	22 900*	35.4	67.2	25 300*	126.0
		130.0	29.9	62.4	17 900*	31.5	59.2	20 100*	130.0

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 17.8m STRUT ON

BOOM NO. 75A

MAST NO. 75 OR NO. 75A

18.3m RINGER ATTACHMENT ON SCREW JACK PEDESTALS

23 590 kg CRANE COUNTERWEIGHT

715 590 kg AUXILIARY COUNTERWEIGHT

360 DEGREE RATING

48.8m (160 FT.) JIB

BOOM LGTH. METERS	BOOM LGTH. FEET	JIB OPER. RADIUS METERS	10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RADIUS METERS
			BOOM ANG. DEG.	JIB POINT ELEV. METERS	JIB CAPACITY KILOGRAMS	BOOM ANG. DEG.	JIB POINT ELEV. METERS	JIB CAPACITY KILOGRAMS	
4 5 · 7	1 5 0	33.5	81.0	95.7	139 400*				33.5
		34.0	80.7	95.6	137 400*				34.0
		36.0	79.5	95.0	129 100*				36.0
		38.0	78.2	94.4	121 800*				38.0
		40.0	77.0	93.7	115 200*				40.0
		42.0	75.7	93.0	109 200*	80.4	91.8	83 500*	42.0
		44.0	74.4	92.2	103 800*	79.1	91.0	79 900*	44.0
		46.0	73.1	91.4	98 800*	77.7	90.1	76 600*	46.0
		48.0	71.8	90.5	94 300*	76.4	89.2	73 600*	48.0
		50.0	70.5	89.6	90 100*	75.1	88.3	70 700*	50.0
		52.0	69.1	88.6	86 200*	73.7	87.3	68 000*	52.0
		54.0	67.8	87.5	82 700*	72.3	86.2	65 500*	54.0
		56.0	66.4	86.4	79 300*	70.9	85.1	63 200*	56.0
		58.0	65.0	85.2	76 200*	69.5	83.9	61 000*	58.0
		60.0	63.6	84.0	73 200*	68.1	82.6	59 000*	60.0
		62.0	62.2	82.7	70 500*	66.6	81.3	57 000*	62.0
		66.0	59.2	79.8	65 500*	63.6	78.4	53 500*	66.0
		70.0	56.2	76.7	61 000*	60.5	75.1	50 400*	70.0
		74.0	52.9	73.1	57 100*	57.2	71.5	47 600*	74.0
		78.0	49.6	69.1	53 500*	53.7	67.4	45 100*	78.0
		82.0	45.9	64.6	50 300*	50.0	62.8	42 800*	82.0
		86.0	42.0	59.4	47 400*	46.0	57.4	40 800*	86.0
		90.0	37.7	53.4	44 800*	41.5	51.2	39 000*	90.0
		94.0	32.8	46.2	42 400*	36.2	43.6	37 500*	94.0
		98.0				29.7	33.6	36 200*	98.0
5 3 · 3	1 7 5	36.6	79.9	102.7	130 100*				36.6
		38.0	79.1	102.3	125 200*				38.0
		40.0	78.0	101.7	118 800*				40.0
		42.0	76.8	101.0	112 900*				42.0
		44.0	75.6	100.3	107 600*	79.9	99.0	81 400*	44.0
		46.0	74.4	99.6	102 700*	78.7	98.2	78 300*	46.0
		48.0	73.2	98.8	98 200*	77.5	97.4	75 300*	48.0
		50.0	72.0	97.9	94 000*	76.3	96.6	72 600*	50.0
		52.0	70.8	97.0	90 100*	75.0	95.6	70 000*	52.0
		54.0	69.6	96.1	86 600*	73.8	94.7	67 600*	54.0
		56.0	68.3	95.0	83 300*	72.5	93.6	65 300*	56.0
		58.0	67.1	94.0	80 100*	71.3	92.6	63 200*	58.0
		60.0	65.8	92.9	77 300*	70.0	91.4	61 200*	60.0
		62.0	64.5	91.7	74 500*	68.6	90.2	59 300*	62.0
		66.0	61.9	89.1	69 600*	66.0	87.6	55 800*	66.0
		70.0	59.2	86.3	65 200*	63.2	84.7	52 700*	70.0
		74.0	56.3	83.2	61 200*	60.3	81.6	49 900*	74.0
		78.0	53.4	79.7	57 700*	57.3	78.0	47 400*	78.0
		82.0	50.3	75.9	54 500*	54.2	74.1	45 100*	82.0
		86.0	47.0	71.6	51 700*	50.8	69.7	43 000*	86.0
		90.0	43.6	66.7	49 100*	47.2	64.7	41 100*	90.0
		94.0	39.8	61.2	46 700*	43.3	59.0	39 500*	94.0
		98.0	35.6	54.8	44 600*	38.9	52.3	38 000*	98.0
		102.0	30.7	47.1	42 700*	33.8	44.1	36 800*	102.0

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 17.8m STRUT ON

BOOM NO. 75A

MAST NO. 75 OR NO. 75A

18.3m RINGER ATTACHMENT ON SCREW JACK PEDESTALS

23 590 kg CRANE COUNTERWEIGHT

715 590 kg AUXILIARY COUNTERWEIGHT

360 DEGREE RATING

48.8m (160 FT.) JIB

BOOM LGTH. METERS	BOOM LGTH. FEET	JIB OPER. RADIUS METERS	10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RADIUS METERS
			BOOM ANG. DEG.	JIB POINT ELEV. METERS	JIB CAPACITY KILOGRAMS	BOOM ANG. DEG.	JIB POINT ELEV. METERS	JIB CAPACITY KILOGRAMS	
6 1 0	2 0 0	36.6	80.7	110.6	133 900*				36.6
		38.0	79.9	110.2	129 000*				38.0
		40.0	78.8	109.6	122 700*				40.0
		42.0	77.7	109.0	116 900*				42.0
		44.0	76.7	108.4	111 600*				44.0
		46.0	75.6	107.7	106 800*	79.6	106.3	80 100*	46.0
		48.0	74.5	106.9	102 200*	78.4	105.5	77 200*	48.0
		50.0	73.3	106.1	98 100*	77.3	104.7	74 600*	50.0
		52.0	72.2	105.3	94 200*	76.2	103.9	72 100*	52.0
		54.0	71.1	104.4	90 600*	75.0	103.0	69 700*	54.0
		56.0	70.0	103.5	87 300*	73.9	102.0	67 500*	56.0
		58.0	68.8	102.5	84 100*	72.7	101.1	65 400*	58.0
		60.0	67.6	101.5	81 200*	71.5	100.0	63 400*	60.0
		62.0	66.5	100.4	78 400*	70.3	98.9	61 500*	62.0
		66.0	64.1	98.1	73 400*	67.9	96.6	58 100*	66.0
		70.0	61.6	95.6	68 900*	65.4	94.0	55 000*	70.0
		74.0	59.1	92.8	64 900*	62.8	91.1	52 200*	74.0
		78.0	56.5	89.7	61 200*	60.2	88.0	49 600*	78.0
		82.0	53.8	86.3	58 000*	57.4	84.5	47 300*	82.0
		86.0	50.9	82.6	55 000*	54.5	80.7	45 200*	86.0
		90.0	48.0	78.5	52 300*	51.4	76.5	43 300*	90.0
		94.0	44.8	73.9	49 800*	48.2	71.8	41 600*	94.0
		98.0	41.4	68.7	47 600*	44.7	66.4	40 000*	98.0
		102.0	37.8	62.8	45 500*	40.9	60.3	38 600*	102.0
		106.0	33.7	56.0	43 700*	36.6	53.2	37 400*	106.0
		110.0				31.5	44.4	36 400*	110.0
6 8 6	2 2 5	38.1	80.5	118.0	133 100*				38.1
		40.0	79.6	117.5	127 200*				40.0
		42.0	78.6	117.0	121 400*				42.0
		44.0	77.6	116.3	116 100*				44.0
		46.0	76.5	115.7	111 200*	80.3	114.2	82 100*	46.0
		48.0	75.5	115.0	106 600*	79.2	113.5	79 300*	48.0
		50.0	74.5	114.3	102 500*	78.2	112.8	76 700*	50.0
		52.0	73.4	113.5	98 500*	77.1	112.0	74 300*	52.0
		54.0	72.4	112.7	94 900*	76.1	111.2	72 000*	54.0
		56.0	71.3	111.9	91 500*	75.0	110.3	69 800*	56.0
		58.0	70.3	111.0	88 300*	73.9	109.4	67 700*	58.0
		60.0	69.2	110.0	85 300*	72.8	108.5	65 700*	60.0
		62.0	68.1	109.0	82 500*	71.7	107.5	63 800*	62.0
		66.0	65.9	106.9	77 300*	69.5	105.3	60 400*	66.0
		70.0	63.7	104.6	72 700*	67.2	102.9	57 300*	70.0
		74.0	61.4	102.0	68 600*	64.9	100.4	54 500*	74.0
		78.0	59.0	99.3	64 800*	62.5	97.5	51 900*	78.0
		82.0	56.6	96.2	61 500*	60.0	94.4	49 600*	82.0
		86.0	54.1	92.9	58 400*	57.5	91.1	47 400*	86.0
		90.0	51.5	89.3	55 500*	54.8	87.3	45 500*	90.0
		94.0	48.7	85.3	53 000*	52.0	83.3	43 600*	94.0
		98.0	45.9	80.9	50 600*	49.0	78.8	42 000*	98.0
		102.0	42.8	76.0	48 500*	45.9	73.7	40 500*	102.0
		106.0	39.5	70.6	46 500*	42.5	68.1	39 200*	106.0
		110.0	35.9	64.3	44 500*	38.7	61.6	38 000*	110.0
		114.0	31.9	57.1	37 800*	34.5	54.0	36 900*	114.0
		118.0				29.5	44.6	33 400*	118.0

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 17.8m STRUT ON

BOOM NO. 75A

MAST NO. 75 OR NO. 75A

18.3m RINGER ATTACHMENT ON SCREW JACK PEDESTALS

23 590 kg CRANE COUNTERWEIGHT

715 590 kg AUXILIARY COUNTERWEIGHT

360 DEGREE RATING

48.8m (160 FT.) JIB

BOOM LGTH. METERS	BOOM LGTH. FEET	JIB OPER. RADIUS METERS	10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RADIUS METERS
			BOOM ANG. DEG.	JIB POINT ELEV. METERS	JIB CAPACITY KILOGRAMS	BOOM ANG. DEG.	JIB POINT ELEV. METERS	JIB CAPACITY KILOGRAMS	
7 6 · 2	2 5 0	39.6	80.4	125.5	133 500*				39.6
		40.0	80.2	125.4	132 400*				40.0
		42.0	79.3	124.9	126 600*				42.0
		44.0	78.3	124.3	121 200*				44.0
		46.0	77.4	123.7	116 200*	80.9	122.2	84 600*	46.0
		48.0	76.4	123.0	111 600*	79.9	121.5	81 800*	48.0
		50.0	75.5	122.4	107 300*	79.0	120.8	79 200*	50.0
		52.0	74.5	121.6	103 300*	78.0	120.1	76 700*	52.0
		54.0	73.5	120.9	99 500*	77.0	119.3	74 400*	54.0
		56.0	72.5	120.1	96 000*	76.0	118.5	72 300*	56.0
		58.0	71.6	119.3	92 800*	75.0	117.7	70 200*	58.0
		60.0	70.6	118.4	89 700*	74.0	116.8	68 200*	60.0
		62.0	69.6	117.5	86 800*	73.0	115.9	66 300*	62.0
		66.0	67.5	115.5	81 500*	70.9	113.9	62 900*	66.0
		70.0	65.5	113.4	76 700*	68.8	111.7	59 700*	70.0
		74.0	63.4	111.0	72 500*	66.7	109.3	56 900*	74.0
		78.0	61.2	108.5	68 600*	64.5	106.7	54 300*	78.0
		82.0	59.0	105.7	65 100*	62.2	103.9	51 900*	82.0
		86.0	56.7	102.7	61 900*	59.9	100.9	49 700*	86.0
		90.0	54.4	99.5	58 900*	57.5	97.6	47 600*	90.0
		94.0	51.9	95.9	56 200*	55.0	93.9	45 800*	94.0
		98.0	49.4	92.1	53 800*	52.4	90.0	44 100*	98.0
		102.0	46.8	87.8	51 500*	49.7	85.7	42 500*	102.0
		106.0	44.0	83.2	49 400*	46.9	80.9	41 100*	106.0
		110.0	41.0	78.0	45 600*	43.8	75.5	39 700*	110.0
		114.0	37.8	72.3	39 700*	40.5	69.6	38 500*	114.0
		118.0	34.3	65.7	33 900*	36.8	62.7	36 900*	118.0
		122.0	30.4	58.1	28 000*	32.7	54.6	30 500*	122.0
8 3 · 8	2 7 5	41.1	80.3	132.9	129 400*				41.1
		42.0	79.9	132.7	127 100*				42.0
		44.0	79.0	132.2	122 000*				44.0
		46.0	78.1	131.6	117 200*				46.0
		48.0	77.2	131.0	112 800*				48.0
		50.0	76.3	130.4	108 700*	79.6	128.8	79 500*	50.0
		52.0	75.4	129.7	104 800*	78.7	128.1	77 200*	52.0
		54.0	74.5	129.0	101 200*	77.8	127.4	75 000*	54.0
		56.0	73.6	128.3	97 800*	76.9	126.6	72 900*	56.0
		58.0	72.7	127.5	94 700*	75.9	125.9	70 900*	58.0
		60.0	71.8	126.7	91 600*	75.0	125.0	69 000*	60.0
		62.0	70.8	125.8	88 800*	74.0	124.2	67 200*	62.0
		66.0	68.9	124.0	83 600*	72.1	122.3	63 900*	66.0
		70.0	67.0	122.0	78 900*	70.2	120.3	60 900*	70.0
		74.0	65.1	119.8	74 700*	68.2	118.1	58 100*	74.0
		78.0	63.1	117.5	70 900*	66.2	115.7	55 500*	78.0
		82.0	61.0	114.9	67 400*	64.1	113.1	53 200*	82.0
		86.0	59.0	112.2	64 200*	62.0	110.4	51 000*	86.0
		90.0	56.8	109.2	61 300*	59.8	107.3	49 000*	90.0
		94.0	54.6	106.0	58 600*	57.6	104.1	47 200*	94.0
		98.0	52.3	102.6	56 100*	55.3	100.5	45 500*	98.0
		102.0	50.0	98.8	53 800*	52.8	96.7	43 900*	102.0
		106.0	47.5	94.7	51 500*	50.3	92.5	42 500*	106.0
		110.0	45.0	90.2	46 500*	47.7	87.9	41 100*	110.0
		114.0	42.2	85.3	41 100*	44.9	82.9	39 900*	114.0
		118.0	39.3	79.9	35 900*	41.9	77.2	38 500*	118.0
		122.0	36.2	73.8	30 700*	38.7	70.9	33 400*	122.0
		126.0	32.8	66.9	25 500*	35.1	63.7	28 000*	126.0
		130.0				31.0	55.1	22 400*	130.0

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 17.8m STRUT ON

BOOM NO. 75A

MAST NO. 75 OR NO. 75A

18.3m RINGER ATTACHMENT ON SCREW JACK PEDESTALS

23 590 kg CRANE COUNTERWEIGHT

715 590 kg AUXILIARY COUNTERWEIGHT

360 DEGREE RATING

48.8m (160 FT.) JIB

BOOM LGTH. METERS	BOOM LGTH. FEET	JIB OPER. RADIUS METERS	10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RADIUS METERS
			BOOM ANG. DEG.	JIB POINT ELEV. METERS	JIB CAPACITY KILOGRAMS	BOOM ANG. DEG.	JIB POINT ELEV. METERS	JIB CAPACITY KILOGRAMS	
9 1 · 4	3 0 0	41.1	80.8	140.8	135 200*				41.1
		42.0	80.5	140.5	132 900*				42.0
		44.0	79.6	140.0	127 600*				44.0
		46.0	78.8	139.5	122 700*				46.0
		48.0	77.9	138.9	118 100*				48.0
		50.0	77.1	138.3	113 900*	80.2	136.7	82 100*	50.0
		52.0	76.2	137.7	110 000*	79.3	136.1	79 800*	52.0
		54.0	75.4	137.1	106 200*	78.5	135.4	77 600*	54.0
		56.0	74.5	136.4	102 700*	77.6	134.7	75 500*	56.0
		58.0	73.7	135.6	99 400*	76.7	134.0	73 500*	58.0
		60.0	72.8	134.9	96 300*	75.9	133.2	71 600*	60.0
		62.0	71.9	134.1	93 400*	75.0	132.4	69 800*	62.0
		66.0	70.2	132.3	88 000*	73.2	130.6	66 400*	66.0
		70.0	68.4	130.5	83 100*	71.4	128.8	63 300*	70.0
		74.0	66.5	128.5	78 700*	69.5	126.7	60 500*	74.0
		78.0	64.7	126.3	74 700*	67.6	124.5	57 900*	78.0
		82.0	62.8	123.9	71 100*	65.7	122.1	55 500*	82.0
		86.0	60.9	121.4	67 700*	63.8	119.5	53 300*	86.0
		90.0	58.9	118.7	64 700*	61.8	116.8	51 200*	90.0
		94.0	56.9	115.8	61 900*	59.7	113.8	49 300*	94.0
		98.0	54.8	112.6	59 300*	57.6	110.6	47 600*	98.0
		102.0	52.7	109.2	55 100*	55.4	107.1	45 900*	102.0
		106.0	50.5	105.5	49 700*	53.2	103.4	44 400*	106.0
		110.0	48.2	101.5	44 600*	50.9	99.3	43 000*	110.0
		114.0	45.8	97.2	39 600*	48.4	94.9	41 700*	114.0
		118.0	43.3	92.5	34 900*	45.8	90.0	37 800*	118.0
		122.0	40.7	87.4	30 200*	43.1	84.7	33 000*	122.0
		126.0	37.8	81.7	25 600*	40.2	78.8	28 300*	126.0
		130.0	34.8	75.3	21 100*	37.0	72.2	23 600*	130.0
		134.0	31.4	68.0	16 500*	33.5	64.6	18 800*	134.0

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 17.8m STRUT ON

BOOM NO. 75A

MAST NO. 75 OR NO. 75A

18.3m RINGER ATTACHMENT ON SCREW JACK PEDESTALS

23 590 kg CRANE COUNTERWEIGHT

715 590 kg AUXILIARY COUNTERWEIGHT

360 DEGREE RATING

54.9m (180 FT.) JIB

BOOM LGTH. METERS	BOOM LGTH. FEET	JIB OPER. RADIUS METERS	10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RADIUS METERS
			BOOM ANG. DEG.	JIB POINT ELEV. METERS	JIB CAPACITY KILOGRAMS	BOOM ANG. DEG.	JIB POINT ELEV. METERS	JIB CAPACITY KILOGRAMS	
4 5 7	1 5 0	36.6	80.7	101.1	119 200*				36.6
		38.0	79.9	100.7	114 200*				38.0
		40.0	78.7	100.1	107 800*				40.0
		42.0	77.5	99.4	102 000*				42.0
		44.0	76.3	98.7	96 800*				44.0
		46.0	75.1	97.9	92 000*	79.6	96.7	72 300*	46.0
		48.0	73.9	97.1	87 500*	78.4	95.9	69 200*	48.0
		50.0	72.6	96.2	83 500*	77.2	95.0	66 400*	50.0
		52.0	71.4	95.3	79 800*	75.9	94.1	63 800*	52.0
		54.0	70.2	94.3	76 300*	74.6	93.1	61 400*	54.0
		56.0	68.9	93.3	73 000*	73.3	92.0	59 100*	56.0
		58.0	67.6	92.2	70 000*	72.0	90.9	57 000*	58.0
		60.0	66.3	91.1	67 300*	70.7	89.8	54 900*	60.0
		62.0	65.0	89.9	64 600*	69.4	88.5	53 100*	62.0
		66.0	62.3	87.3	59 800*	66.6	85.9	49 600*	66.0
		70.0	59.5	84.4	55 600*	63.8	83.0	46 500*	70.0
		74.0	56.6	81.2	51 800*	60.9	79.7	43 700*	74.0
		78.0	53.6	77.6	48 400*	57.8	76.1	41 200*	78.0
		82.0	50.4	73.7	45 400*	54.5	72.0	38 900*	82.0
		86.0	47.0	69.2	42 600*	51.1	67.5	36 900*	86.0
		90.0	43.4	64.2	40 100*	47.3	62.3	35 100*	90.0
		94.0	39.5	58.4	37 800*	43.2	56.3	33 400*	94.0
		98.0	35.0	51.6	35 600*	38.6	49.2	32 000*	98.0
		102.0	29.8	43.3	33 700*	33.0	40.3	30 700*	102.0
5 3 3	1 7 5	38.1	80.6	108.6	117 800*				38.1
		40.0	79.5	108.0	111 900*				40.0
		42.0	78.4	107.4	106 300*				42.0
		44.0	77.3	106.7	101 100*				44.0
		46.0	76.2	106.0	96 400*	80.4	104.7	73 500*	46.0
		48.0	75.1	105.3	92 100*	79.3	104.0	70 600*	48.0
		50.0	73.9	104.5	88 100*	78.1	103.1	67 900*	50.0
		52.0	72.8	103.6	84 300*	77.0	102.3	65 400*	52.0
		54.0	71.7	102.7	80 900*	75.8	101.4	63 000*	54.0
		56.0	70.5	101.8	77 700*	74.6	100.4	60 800*	56.0
		58.0	69.3	100.8	74 700*	73.4	99.4	58 700*	58.0
		60.0	68.1	99.7	71 800*	72.2	98.4	56 700*	60.0
		62.0	66.9	98.7	69 200*	71.0	97.3	54 900*	62.0
		66.0	64.5	96.3	64 400*	68.6	94.9	51 500*	66.0
		70.0	62.0	93.7	60 200*	66.0	92.2	48 500*	70.0
		74.0	59.4	90.8	56 400*	63.4	89.3	45 700*	74.0
		78.0	56.7	87.7	53 000*	60.7	86.1	43 200*	78.0
		82.0	54.0	84.2	49 900*	57.8	82.6	40 900*	82.0
		86.0	51.1	80.4	47 100*	54.9	78.7	38 900*	86.0
		90.0	48.0	76.1	44 500*	51.7	74.3	37 000*	90.0
		94.0	44.7	71.4	42 100*	48.4	69.4	35 400*	94.0
		98.0	41.2	66.0	39 900*	44.7	63.9	33 800*	98.0
		102.0	37.4	59.9	37 800*	40.7	57.5	32 500*	102.0
		106.0	33.0	52.7	35 900*	36.2	49.9	31 200*	106.0
		110.0				30.7	40.3	30 300*	110.0

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 17.8m STRUT ON

BOOM NO. 75A

MAST NO. 75 OR NO. 75A

18.3m RINGER ATTACHMENT ON SCREW JACK PEDESTALS

23 590 kg CRANE COUNTERWEIGHT

715 590 kg AUXILIARY COUNTERWEIGHT

360 DEGREE RATING

54.9m (180 FT.) JIB

BOOM LGTH. METERS	BOOM LGTH. FEET	JIB OPER. RADIUS METERS	10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RADIUS METERS
			BOOM ANG. DEG.	JIB POINT ELEV. METERS	JIB CAPACITY KILOGRAMS	BOOM ANG. DEG.	JIB POINT ELEV. METERS	JIB CAPACITY KILOGRAMS	
6 1 · 0	2 0 0	39.6	80.4	116.0	116 300*				39.6
		40.0	80.2	115.9	115 300*				40.0
		42.0	79.2	115.3	109 700*				42.0
		44.0	78.2	114.7	104 600*				44.0
		46.0	77.1	114.0	99 900*				46.0
		48.0	76.1	113.3	95 600*	80.0	112.0	72 100*	48.0
		50.0	75.1	112.6	91 500*	79.0	111.2	69 500*	50.0
		52.0	74.0	111.8	87 800*	77.9	110.4	67 100*	52.0
		54.0	72.9	111.0	84 400*	76.8	109.6	64 800*	54.0
		56.0	71.9	110.1	81 200*	75.7	108.7	62 600*	56.0
		58.0	70.8	109.2	78 100*	74.6	107.8	60 600*	58.0
		60.0	69.7	108.3	75 300*	73.5	106.8	58 700*	60.0
		62.0	68.6	107.3	72 700*	72.4	105.8	56 800*	62.0
		66.0	66.4	105.1	67 800*	70.2	103.6	53 500*	66.0
		70.0	64.1	102.7	63 500*	67.8	101.2	50 500*	70.0
		74.0	61.7	100.1	59 600*	65.5	98.6	47 700*	74.0
		78.0	59.3	97.3	56 100*	63.0	95.7	45 200*	78.0
		82.0	56.9	94.2	53 000*	60.5	92.5	42 900*	82.0
		86.0	54.3	90.8	50 100*	57.9	89.1	40 900*	86.0
		90.0	51.6	87.1	47 500*	55.1	85.3	39 000*	90.0
		94.0	48.8	83.0	45 100*	52.3	81.1	37 300*	94.0
		98.0	45.8	78.5	42 900*	49.2	76.4	35 700*	98.0
		102.0	42.7	73.4	40 900*	46.0	71.2	34 200*	102.0
		106.0	39.3	67.7	39 100*	42.4	65.4	32 900*	106.0
		110.0	35.5	61.2	37 400*	38.5	58.6	31 800*	110.0
		114.0	31.2	53.5	35 900*	34.0	50.4	30 800*	114.0
		118.0				28.5	40.2	30 000*	118.0
6 8 · 6	2 2 5	41.1	80.3	123.5	115 900*				41.1
		42.0	79.9	123.2	113 700*				42.0
		44.0	78.9	122.6	108 500*				44.0
		46.0	78.0	122.0	103 800*				46.0
		48.0	77.0	121.4	99 500*				48.0
		50.0	76.0	120.7	95 400*	79.7	119.2	71 400*	50.0
		52.0	75.0	120.0	91 700*	78.7	118.5	69 000*	52.0
		54.0	74.1	119.2	88 200*	77.7	117.7	66 700*	54.0
		56.0	73.1	118.4	84 900*	76.7	116.9	64 600*	56.0
		58.0	72.1	117.5	81 800*	75.7	116.0	62 600*	58.0
		60.0	71.0	116.6	78 900*	74.7	115.1	60 700*	60.0
		62.0	70.0	115.7	76 300*	73.6	114.2	58 900*	62.0
		66.0	68.0	113.7	71 300*	71.5	112.2	55 500*	66.0
		70.0	65.9	111.5	66 900*	69.4	110.0	52 500*	70.0
		74.0	63.7	109.2	62 900*	67.2	107.6	49 700*	74.0
		78.0	61.5	106.6	59 400*	65.0	104.9	47 200*	78.0
		82.0	59.3	103.8	56 100*	62.7	102.1	45 000*	82.0
		86.0	57.0	100.7	53 100*	60.3	99.0	42 800*	86.0
		90.0	54.6	97.4	50 400*	57.9	95.6	40 900*	90.0
		94.0	52.1	93.8	48 000*	55.4	91.9	39 200*	94.0
		98.0	49.5	89.8	45 700*	52.7	87.8	37 600*	98.0
		102.0	46.8	85.5	43 600*	49.9	83.4	36 000*	102.0
		106.0	43.9	80.7	41 700*	47.0	78.4	34 700*	106.0
		110.0	40.8	75.3	39 900*	43.8	72.9	33 400*	110.0
		114.0	37.5	69.3	38 300*	40.3	66.7	32 300*	114.0
		118.0	33.8	62.4	35 600*	36.5	59.5	31 300*	118.0
		122.0				32.1	50.9	30 400*	122.0

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 17.8m STRUT ON

BOOM NO. 75A

MAST NO. 75 OR NO. 75A

18.3m RINGER ATTACHMENT ON SCREW JACK PEDESTALS

23 590 kg CRANE COUNTERWEIGHT

715 590 kg AUXILIARY COUNTERWEIGHT

360 DEGREE RATING

54.9m (180 FT.) JIB

BOOM LGTH. METERS	BOOM LGTH. FEET	JIB OPER. RADIUS METERS	10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RADIUS METERS
			BOOM ANG. DEG.	JIB POINT ELEV. METERS	JIB CAPACITY KILOGRAMS	BOOM ANG. DEG.	JIB POINT ELEV. METERS	JIB CAPACITY KILOGRAMS	
7 6 · 2	2 5 0	41.1	80.9	131.3	120 500*				41.1
		42.0	80.5	131.1	118 200*				42.0
		44.0	79.6	130.5	113 100*				44.0
		46.0	78.7	130.0	108 300*				46.0
		48.0	77.8	129.3	103 900*				48.0
		50.0	76.9	128.7	99 700*	80.3	127.2	73 600*	50.0
		52.0	75.9	128.0	95 900*	79.4	126.5	71 200*	52.0
		54.0	75.0	127.3	92 300*	78.5	125.8	68 900*	54.0
		56.0	74.1	126.6	89 000*	77.5	125.0	66 800*	56.0
		58.0	73.2	125.8	85 900*	76.6	124.2	64 800*	58.0
		60.0	72.2	124.9	82 900*	75.6	123.4	62 900*	60.0
		62.0	71.3	124.1	80 100*	74.7	122.5	61 100*	62.0
		66.0	69.4	122.2	75 000*	72.7	120.6	57 700*	66.0
		70.0	67.4	120.2	70 500*	70.7	118.6	54 700*	70.0
		74.0	65.4	118.0	66 400*	68.7	116.3	51 900*	74.0
		78.0	63.4	115.6	62 700*	66.7	113.9	49 400*	78.0
		82.0	61.3	113.0	59 400*	64.6	111.3	47 000*	82.0
		86.0	59.2	110.2	56 300*	62.4	108.5	44 900*	86.0
		90.0	57.0	107.2	53 500*	60.2	105.4	43 000*	90.0
		94.0	54.8	104.0	50 900*	57.9	102.1	41 100*	94.0
		98.0	52.5	100.4	48 500*	55.6	98.5	39 400*	98.0
		102.0	50.1	96.6	46 400*	53.1	94.5	37 900*	102.0
		106.0	47.5	92.4	44 300*	50.5	90.2	36 500*	106.0
		110.0	44.9	87.8	42 500*	47.8	85.5	35 200*	110.0
		114.0	42.1	82.7	40 800*	44.9	80.3	34 000*	114.0
8 3 · 8	2 7 5	118.0	39.1	77.1	36 600*	41.8	74.5	32 800*	118.0
		122.0	35.8	70.8	31 300*	38.4	67.9	31 900*	122.0
		126.0	32.2	63.5	26 000*	34.7	60.3	28 700*	126.0
		130.0				30.3	51.1	22 800*	130.0
		42.7	80.7	138.7	116 700*				42.7
		44.0	80.2	138.4	113 500*				44.0
		46.0	79.3	137.9	108 900*				46.0
		48.0	78.5	137.3	104 700*				48.0
		50.0	77.6	136.7	100 800*				50.0
		52.0	76.7	136.0	97 100*	80.0	134.5	71 400*	52.0
		54.0	75.9	135.4	93 600*	79.1	133.8	69 200*	54.0
		56.0	75.0	134.7	90 400*	78.2	133.1	67 200*	56.0
		58.0	74.1	133.9	87 400*	77.4	132.3	65 300*	58.0
		60.0	73.3	133.1	84 500*	76.5	131.5	63 500*	60.0
		62.0	72.4	132.3	81 800*	75.6	130.7	61 800*	62.0
		66.0	70.6	130.6	76 800*	73.8	129.0	58 600*	66.0
		70.0	68.8	128.7	72 400*	71.9	127.1	55 600*	70.0
		74.0	66.9	126.7	68 300*	70.0	125.0	52 900*	74.0
		78.0	65.0	124.5	64 700*	68.1	122.7	50 500*	78.0
		82.0	63.1	122.1	61 300*	66.2	120.3	48 200*	82.0
		86.0	61.2	119.5	58 300*	64.2	117.7	46 100*	86.0
		90.0	59.2	116.7	55 500*	62.2	114.9	44 100*	90.0
		94.0	57.1	113.7	52 900*	60.1	111.8	42 400*	94.0
		98.0	55.0	110.5	50 600*	58.0	108.6	40 700*	98.0
		102.0	52.8	107.0	48 400*	55.7	105.0	39 200*	102.0
		106.0	50.6	103.3	46 300*	53.4	101.2	37 800*	106.0
		110.0	48.2	99.2	44 500*	51.0	97.0	36 400*	110.0
		114.0	45.8	94.8	42 400*	48.5	92.5	35 200*	114.0
		118.0	43.2	90.0	37 600*	45.9	87.5	34 100*	118.0
		122.0	40.5	84.6	32 800*	43.1	82.1	33 000*	122.0
		126.0	37.5	78.7	28 000*	40.0	75.9	31 000*	126.0
		130.0	34.4	72.1	23 300*	36.7	69.0	25 900*	130.0
		134.0	30.8	64.5	18 500*	33.0	61.0	20 900*	134.0
		138.0				28.6	51.3	15 500*	138.0

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 17.8m STRUT ON

BOOM NO. 75A

MAST NO. 75 OR NO. 75A

18.3m RINGER ATTACHMENT ON SCREW JACK PEDESTALS

23 590 kg CRANE COUNTERWEIGHT

715 590 kg AUXILIARY COUNTERWEIGHT

360 DEGREE RATING

61.0m (200 FT.) JIB

BOOM LGTH. METERS	BOOM LGTH. FEET	JIB OPER. RADIUS METERS	10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RADIUS METERS
			BOOM ANG. DEG.	JIB POINT ELEV. METERS	JIB CAPACITY KILOGRAMS	BOOM ANG. DEG.	JIB POINT ELEV. METERS	JIB CAPACITY KILOGRAMS	
4 5 7	1 5 0	38.1	80.9	107.0	108 300*				38.1
		40.0	79.9	106.5	102 400*				40.0
		42.0	78.8	105.8	96 800*				42.0
		44.0	77.7	105.2	91 700*				44.0
		46.0	76.5	104.4	87 100*				46.0
		48.0	75.4	103.7	82 800*	80.1	102.5	66 500*	48.0
		50.0	74.2	102.9	78 900*	78.9	101.6	63 700*	50.0
		52.0	73.1	102.0	75 200*	77.7	100.8	61 100*	52.0
		54.0	71.9	101.1	71 900*	76.5	99.9	58 700*	54.0
		56.0	70.7	100.1	68 800*	75.3	98.9	56 400*	56.0
		58.0	69.5	99.1	65 900*	74.1	97.9	54 300*	58.0
		60.0	68.3	98.1	63 200*	72.9	96.8	52 300*	60.0
		62.0	67.1	97.0	60 600*	71.7	95.7	50 500*	62.0
		66.0	64.6	94.6	56 000*	69.2	93.2	47 000*	66.0
		70.0	62.1	91.9	51 900*	66.6	90.5	43 900*	70.0
		74.0	59.4	89.0	48 300*	63.9	87.6	41 200*	74.0
		78.0	56.7	85.8	45 000*	61.1	84.3	38 700*	78.0
		82.0	53.9	82.2	42 100*	58.2	80.7	36 500*	82.0
		86.0	50.9	78.3	39 400*	55.2	76.7	34 400*	86.0
		90.0	47.7	73.9	36 900*	51.9	72.2	32 600*	90.0
5 3 3	1 7 5	94.0	44.4	69.0	34 700*	48.5	67.1	30 900*	94.0
		98.0	40.7	63.4	32 600*	44.7	61.4	29 400*	98.0
		102.0	36.7	57.0	30 800*	40.5	54.7	28 000*	102.0
		106.0	32.0	49.3	29 000*	35.6	46.6	26 800*	106.0
		110.0				29.6	36.1	25 800*	110.0
		39.6	80.8	114.5	108 500*				39.6
		40.0	80.6	114.4	107 400*				40.0
		42.0	79.6	113.8	101 800*				42.0
		44.0	78.5	113.1	96 800*				44.0
		46.0	77.5	112.5	92 200*				46.0
		48.0	76.4	111.8	87 900*				48.0
		50.0	75.3	111.0	84 000*	79.7	109.7	64 900*	50.0
		52.0	74.3	110.2	80 400*	78.6	108.9	62 400*	52.0
		54.0	73.2	109.4	77 000*	77.5	108.1	60 100*	54.0
		56.0	72.1	108.5	73 800*	76.4	107.2	57 900*	56.0
		58.0	71.0	107.6	70 800*	75.3	106.2	55 800*	58.0
		60.0	69.9	106.6	68 100*	74.2	105.2	53 900*	60.0
		62.0	68.8	105.6	65 500*	73.1	104.2	52 000*	62.0
		66.0	66.5	103.4	60 700*	70.8	102.0	48 700*	66.0
		70.0	64.2	101.0	56 500*	68.4	99.5	45 700*	70.0
		74.0	61.8	98.3	52 800*	66.0	96.9	43 000*	74.0
		78.0	59.4	95.5	49 300*	63.5	93.9	40 500*	78.0
		82.0	56.8	92.3	46 300*	60.9	90.7	38 300*	82.0
		86.0	54.2	88.8	43 500*	58.2	87.2	36 200*	86.0
		90.0	51.4	85.0	40 900*	55.4	83.3	34 300*	90.0
		94.0	48.6	80.8	38 600*	52.5	79.0	32 700*	94.0
		98.0	45.5	76.1	36 500*	49.3	74.2	31 100*	98.0
		102.0	42.2	70.9	34 500*	46.0	68.8	29 700*	102.0
		106.0	38.7	65.0	32 700*	42.3	62.7	28 400*	106.0
		110.0	34.7	58.2	31 000*	38.2	55.5	27 300*	110.0
		114.0	30.2	50.0	29 400*	33.4	46.9	26 300*	114.0

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 17.8m STRUT ON

BOOM NO. 75A

MAST NO. 75 OR NO. 75A

18.3m RINGER ATTACHMENT ON SCREW JACK PEDESTALS

23 590 kg CRANE COUNTERWEIGHT

715 590 kg AUXILIARY COUNTERWEIGHT

360 DEGREE RATING

61.0m (200 FT.) JIB

BOOM LGTH. METERS	BOOM LGTH. FEET	JIB OPER. RADIUS METERS	10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RADIUS METERS
			BOOM ANG. DEG.	JIB POINT ELEV. METERS	JIB CAPACITY KILOGRAMS	BOOM ANG. DEG.	JIB POINT ELEV. METERS	JIB CAPACITY KILOGRAMS	
61.0	200	41.1	80.7	121.9	107 100*				41.1
		42.0	80.2	121.7	104 900*				42.0
		44.0	79.2	121.1	99 800*				44.0
		46.0	78.3	120.5	95 300*				46.0
		48.0	77.3	119.8	91 000*				48.0
		50.0	76.3	119.1	87 100*				50.0
		52.0	75.3	118.4	83 500*	79.4	117.0	63 800*	52.0
		54.0	74.3	117.6	80 100*	78.4	116.2	61 600*	54.0
		56.0	73.3	116.8	77 000*	77.3	115.4	59 400*	56.0
		58.0	72.3	115.9	74 000*	76.3	114.5	57 400*	58.0
		60.0	71.3	115.0	71 300*	75.3	113.6	55 500*	60.0
		62.0	70.2	114.1	68 700*	74.2	112.6	53 700*	62.0
		66.0	68.1	112.0	64 000*	72.1	110.6	50 400*	66.0
		70.0	66.0	109.8	59 700*	69.9	108.3	47 500*	70.0
		74.0	63.8	107.4	56 000*	67.7	105.9	44 800*	74.0
		78.0	61.6	104.8	52 600*	65.5	103.2	42 300*	78.0
		82.0	59.3	101.9	49 500*	63.1	100.3	40 100*	82.0
		86.0	56.9	98.8	46 700*	60.7	97.1	38 000*	86.0
		90.0	54.5	95.4	44 200*	58.2	93.7	36 200*	90.0
		94.0	51.9	91.7	41 900*	55.6	89.9	34 400*	94.0
		98.0	49.3	87.6	39 700*	52.9	85.7	32 800*	98.0
		102.0	46.5	83.2	37 800*	50.1	81.2	31 400*	102.0
		106.0	43.5	78.2	36 000*	47.0	76.1	30 100*	106.0
		110.0	40.3	72.7	34 300*	43.7	70.4	28 900*	110.0
		114.0	36.9	66.5	32 700*	40.1	63.9	27 700*	114.0
		118.0	33.0	59.2	31 100*	36.1	56.3	26 800*	118.0
		122.0				31.3	47.0	25 900*	122.0
68.6	225	42.7	80.5	129.3	106 600*				42.7
		44.0	79.9	129.0	103 400*				44.0
		46.0	79.0	128.4	98 800*				46.0
		48.0	78.1	127.8	94 500*				48.0
		50.0	77.1	127.1	90 600*				50.0
		52.0	76.2	126.4	86 900*	80.0	125.0	65 500*	52.0
		54.0	75.3	125.7	83 500*	79.1	124.2	63 300*	54.0
		56.0	74.3	124.9	80 400*	78.1	123.5	61 200*	56.0
		58.0	73.4	124.1	77 400*	77.2	122.6	59 200*	58.0
		60.0	72.4	123.3	74 600*	76.2	121.8	57 300*	60.0
		62.0	71.5	122.4	72 000*	75.2	120.9	55 600*	62.0
		66.0	69.5	120.5	67 200*	73.3	119.0	52 200*	66.0
		70.0	67.6	118.5	62 900*	71.3	116.9	49 300*	70.0
		74.0	65.5	116.3	59 000*	69.2	114.7	46 600*	74.0
		78.0	63.5	113.9	55 600*	67.1	112.2	44 100*	78.0
		82.0	61.4	111.2	52 400*	65.0	109.6	41 900*	82.0
		86.0	59.2	108.4	49 500*	62.8	106.7	39 800*	86.0
		90.0	57.0	105.3	46 900*	60.6	103.5	37 900*	90.0
		94.0	54.7	102.0	44 500*	58.2	100.1	36 200*	94.0
		98.0	52.4	98.4	42 300*	55.8	96.5	34 600*	98.0
		102.0	49.9	94.4	40 200*	53.3	92.4	33 100*	102.0
		106.0	47.3	90.1	38 300*	50.7	88.0	31 700*	106.0
		110.0	44.6	85.4	36 600*	47.9	83.2	30 400*	110.0
		114.0	41.7	80.2	35 000*	44.9	77.8	29 300*	114.0
		118.0	38.6	74.4	33 600*	41.7	71.8	28 200*	118.0
		122.0	35.2	67.8	32 200*	38.1	64.9	27 200*	122.0
		126.0	31.4	60.1	28 300*	34.2	56.9	26 400*	126.0
		130.0				29.4	47.0	25 300*	130.0

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 17.8m STRUT ON

BOOM NO. 75A

MAST NO. 75 OR NO. 75A

18.3m RINGER ATTACHMENT ON SCREW JACK PEDESTALS

23 590 kg CRANE COUNTERWEIGHT

715 590 kg AUXILIARY COUNTERWEIGHT

360 DEGREE RATING

61.0m (200 FT.) JIB

BOOM LGTH. METERS	BOOM LGTH. FEET	JIB OPER. RADIUS METERS	10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RADIUS METERS
			BOOM ANG. DEG.	JIB POINT ELEV. METERS	JIB CAPACITY KILOGRAMS	BOOM ANG. DEG.	JIB POINT ELEV. METERS	JIB CAPACITY KILOGRAMS	
7 6 · 2	2 5 0	42.7	81.0	137.2	108 800*				42.7
		44.0	80.5	136.8	107 200*				44.0
		46.0	79.6	136.3	102 800*				46.0
		48.0	78.7	135.7	98 600*				48.0
		50.0	77.9	135.1	94 500*				50.0
		52.0	77.0	134.5	90 800*	80.6	132.9	67 400*	52.0
		54.0	76.1	133.8	87 400*	79.7	132.2	65 200*	54.0
		56.0	75.2	133.1	84 100*	78.8	131.5	63 200*	56.0
		58.0	74.4	132.3	81 100*	77.9	130.7	61 200*	58.0
		60.0	73.5	131.5	78 200*	77.0	130.0	59 300*	60.0
		62.0	72.6	130.7	75 500*	76.1	129.1	57 500*	62.0
		66.0	70.8	128.9	70 600*	74.3	127.3	54 200*	66.0
		70.0	68.9	127.0	66 200*	72.4	125.4	51 300*	70.0
		74.0	67.0	125.0	62 200*	70.5	123.3	48 600*	74.0
		78.0	65.1	122.7	58 600*	68.6	121.0	46 100*	78.0
		82.0	63.2	120.3	55 400*	66.6	118.6	43 800*	82.0
		86.0	61.2	117.7	52 400*	64.6	115.9	41 700*	86.0
		90.0	59.2	114.9	49 700*	62.6	113.1	39 800*	90.0
		94.0	57.1	111.8	47 200*	60.4	110.0	38 000*	94.0
		98.0	54.9	108.6	44 900*	58.2	106.6	36 300*	98.0
		102.0	52.7	105.0	42 800*	56.0	103.0	34 800*	102.0
		106.0	50.4	101.2	40 800*	53.6	99.1	33 400*	106.0
		110.0	48.0	97.0	39 000*	51.2	94.9	32 100*	110.0
		114.0	45.5	92.5	37 300*	48.6	90.2	30 800*	114.0
		118.0	42.9	87.5	35 800*	45.9	85.1	29 700*	118.0
8 3 · 8	2 7 5	122.0	40.1	82.0	34 300*	43.0	79.5	28 700*	122.0
		126.0	37.0	75.9	29 600*	39.8	73.1	27 700*	126.0
		130.0	33.7	69.0	24 800*	36.4	65.9	26 900*	130.0
		134.0	30.0	60.9	19 800*	32.4	57.4	22 600*	134.0
		45.7	80.3	144.2	103 800*				45.7
		46.0	80.2	144.2	103 200*				46.0
		48.0	79.4	143.6	99 100*				48.0
		50.0	78.5	143.0	95 300*				50.0
		52.0	77.7	142.4	91 800*				52.0
		54.0	76.9	141.8	88 400*	80.3	140.2	65 400*	54.0
		56.0	76.1	141.1	85 300*	79.5	139.5	63 400*	56.0
		58.0	75.2	140.4	82 300*	78.6	138.8	61 500*	58.0
		60.0	74.4	139.7	79 600*	77.8	138.0	59 700*	60.0
		62.0	73.5	138.9	76 900*	76.9	137.3	58 000*	62.0
		66.0	71.8	137.2	72 100*	75.2	135.6	54 900*	66.0
		70.0	70.1	135.5	67 800*	73.4	133.8	52 000*	70.0
		74.0	68.4	133.5	63 900*	71.7	131.8	49 400*	74.0
		78.0	66.6	131.4	60 400*	69.9	129.7	47 000*	78.0
		82.0	64.8	129.2	57 100*	68.0	127.4	44 800*	82.0
		86.0	62.9	126.7	54 200*	66.2	125.0	42 700*	86.0
		90.0	61.1	124.1	51 500*	64.3	122.3	40 800*	90.0
		94.0	59.1	121.3	49 000*	62.3	119.5	39 100*	94.0
		98.0	57.2	118.3	46 700*	60.3	116.4	37 500*	98.0
		102.0	55.1	115.1	44 600*	58.2	113.1	35 900*	102.0
		106.0	53.1	111.6	42 600*	56.1	109.6	34 500*	106.0
		110.0	50.9	107.9	40 800*	53.9	105.8	33 200*	110.0
		114.0	48.7	103.8	39 100*	51.6	101.6	32 000*	114.0
		118.0	46.3	99.5	37 500*	49.2	97.2	30 800*	118.0
		122.0	43.9	94.7	35 200*	46.7	92.3	29 800*	122.0
		126.0	41.3	89.5	30 700*	44.1	86.9	28 800*	126.0
		130.0	38.5	83.7	26 300*	41.2	81.0	28 000*	130.0
		134.0	35.6	77.3	22 000*	38.1	74.3	25 000*	134.0
		138.0	32.3	70.1	17 600*	34.7	66.7	20 400*	138.0
		142.0				30.8	57.8	15 600*	142.0

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 17.8m STRUT ON

BOOM NO. 75A

MAST NO. 75 OR NO. 75A

18.3m RINGER ATTACHMENT ON SCREW JACK PEDESTALS

23 590 kg CRANE COUNTERWEIGHT

715 590 kg AUXILIARY COUNTERWEIGHT

360 DEGREE RATING

67.1m (220 FT.) JIB

BOOM LGTH. METERS	BOOM LGTH. FEET	JIB OPER. RADIUS METERS	10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RADIUS METERS
			BOOM ANG. DEG.	JIB POINT ELEV. METERS	JIB CAPACITY KILOGRAMS	BOOM ANG. DEG.	JIB POINT ELEV. METERS	JIB CAPACITY KILOGRAMS	
4 5 7	1 5 0	39.6	80.9	113.0	95 100*				39.6
		40.0	80.7	112.9	94 300*				40.0
		42.0	79.7	112.3	90 400*				42.0
		44.0	78.6	111.6	86 800*				44.0
		46.0	77.5	111.0	83 200*				46.0
		48.0	76.5	110.2	79 100*				48.0
		50.0	75.4	109.5	75 200*				50.0
		52.0	74.3	108.7	71 700*	80.0	107.2	56 800*	52.0
		54.0	73.2	107.8	68 400*	78.9	106.3	54 600*	54.0
		56.0	72.1	106.9	65 300*	77.7	105.4	52 400*	56.0
		58.0	71.0	106.0	62 500*	76.6	104.5	50 400*	58.0
		60.0	69.9	105.0	59 900*	75.5	103.5	48 500*	60.0
		62.0	68.7	104.0	57 400*	74.3	102.4	46 700*	62.0
		66.0	66.4	101.7	52 900*	72.0	100.2	43 400*	66.0
		70.0	64.1	99.3	48 900*	69.6	97.7	40 500*	70.0
		74.0	61.6	96.6	45 300*	67.1	94.9	37 900*	74.0
		78.0	59.1	93.7	42 200*	64.6	91.9	35 500*	78.0
		82.0	56.6	90.4	39 300*	61.9	88.6	33 300*	82.0
		86.0	53.9	86.9	36 600*	59.2	85.0	31 400*	86.0
		90.0	51.1	83.0	34 300*	56.3	81.0	29 600*	90.0
		94.0	48.1	78.7	32 100*	53.2	76.6	27 900*	94.0
		98.0	44.9	73.9	30 100*	50.0	71.6	26 500*	98.0
		102.0	41.6	68.5	28 300*	46.5	66.0	25 100*	102.0
		106.0	37.9	62.3	26 500*	42.6	59.6	23 900*	106.0
		110.0	33.7	55.1	25 000*	38.3	52.0	22 800*	110.0
		114.0	28.8	46.3	23 500*	33.0	42.6	21 800*	114.0
5 3 3	1 7 5	41.1	80.8	120.4	93 300*				41.1
		42.0	80.3	120.2	91 800*				42.0
		44.0	79.3	119.6	88 200*				44.0
		46.0	78.4	118.9	84 900*				46.0
		48.0	77.4	118.3	81 800*				48.0
		50.0	76.4	117.6	78 800*				50.0
		52.0	75.4	116.8	75 900*	80.6	115.2	57 700*	52.0
		54.0	74.3	116.0	73 100*	79.6	114.4	55 500*	54.0
		56.0	73.3	115.2	70 000*	78.6	113.6	53 400*	56.0
		58.0	72.3	114.3	67 000*	77.5	112.7	51 500*	58.0
		60.0	71.2	113.4	64 300*	76.5	111.8	49 700*	60.0
		62.0	70.2	112.5	61 800*	75.4	110.8	47 900*	62.0
		66.0	68.1	110.4	57 200*	73.3	108.7	44 800*	66.0
		70.0	65.9	108.2	53 100*	71.1	106.4	41 900*	70.0
		74.0	63.7	105.7	49 500*	68.8	103.9	39 300*	74.0
		78.0	61.4	103.0	46 100*	66.5	101.2	37 000*	78.0
		82.0	59.1	100.1	43 200*	64.1	98.3	34 800*	82.0
		86.0	56.7	96.9	40 400*	61.7	95.0	32 900*	86.0
		90.0	54.2	93.5	38 000*	59.1	91.5	31 100*	90.0
		94.0	51.6	89.7	35 700*	56.4	87.6	29 500*	94.0
		98.0	48.9	85.5	33 600*	53.6	83.3	28 000*	98.0
		102.0	46.0	81.0	31 700*	50.7	78.6	26 600*	102.0
		106.0	42.9	75.9	29 900*	47.5	73.3	25 400*	106.0
		110.0	39.6	70.1	28 200*	44.1	67.4	24 200*	110.0
		114.0	36.0	63.6	26 700*	40.3	60.6	23 200*	114.0
		118.0	31.9	56.0	25 300*	36.0	52.4	22 300*	118.0
		122.0				30.8	42.3	21 500*	122.0

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 17.8m STRUT ON

BOOM NO. 75A

MAST NO. 75 OR NO. 75A

18.3m RINGER ATTACHMENT ON SCREW JACK PEDESTALS

23 590 kg CRANE COUNTERWEIGHT

715 590 kg AUXILIARY COUNTERWEIGHT

360 DEGREE RATING

67.1m (220 FT.) JIB

BOOM LGTH. METERS	BOOM LGTH. FEET	JIB OPER. RADIUS METERS	10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RADIUS METERS
			BOOM ANG. DEG.	JIB POINT ELEV. METERS	JIB CAPACITY KILOGRAMS	BOOM ANG. DEG.	JIB POINT ELEV. METERS	JIB CAPACITY KILOGRAMS	
61.0	200	42.7	80.6	127.8	92 300*				42.7
		44.0	80.0	127.5	90 000*				44.0
		46.0	79.1	126.9	86 800*				46.0
		48.0	78.1	126.3	83 800*				48.0
		50.0	77.2	125.6	80 800*				50.0
		52.0	76.3	124.9	78 100*				52.0
		54.0	75.3	124.2	75 400*	80.3	122.5	56 700*	54.0
		56.0	74.4	123.4	72 900*	79.3	121.7	54 700*	56.0
		58.0	73.4	122.6	70 500*	78.3	120.9	52 800*	58.0
		60.0	72.4	121.7	68 000*	77.4	120.0	51 000*	60.0
		62.0	71.5	120.8	65 500*	76.4	119.1	49 300*	62.0
		66.0	69.5	118.9	60 800*	74.4	117.2	46 200*	66.0
		70.0	67.5	116.9	56 700*	72.3	115.0	43 400*	70.0
		74.0	65.5	114.6	53 000*	70.3	112.8	40 800*	74.0
		78.0	63.4	112.1	49 700*	68.1	110.3	38 500*	78.0
		82.0	61.2	109.5	46 700*	66.0	107.5	36 400*	82.0
		86.0	59.0	106.6	43 900*	63.7	104.6	34 400*	86.0
		90.0	56.8	103.5	41 400*	61.4	101.4	32 600*	90.0
		94.0	54.5	100.1	39 100*	59.0	97.9	31 000*	94.0
		98.0	52.0	96.4	37 000*	56.6	94.2	29 500*	98.0
		102.0	49.5	92.4	35 000*	54.0	90.0	28 100*	102.0
		106.0	46.9	87.9	33 100*	51.3	85.5	26 800*	106.0
		110.0	44.1	83.1	31 400*	48.4	80.5	25 600*	110.0
		114.0	41.1	77.7	29 800*	45.3	74.9	24 500*	114.0
		118.0	37.9	71.7	28 200*	41.9	68.6	23 500*	118.0
68.6	225	122.0	34.3	64.8	26 900*	38.2	61.4	22 700*	122.0
		126.0	30.3	56.7	25 600*	33.9	52.8	21 900*	126.0
		130.0				28.7	41.9	21 300*	130.0
		44.2	80.5	135.3	91 800*				44.2
		46.0	79.7	134.8	89 000*				46.0
		48.0	78.8	134.2	86 000*				48.0
		50.0	78.0	133.6	83 200*				50.0
		52.0	77.1	132.9	80 400*				52.0
		54.0	76.2	132.2	77 800*				54.0
		56.0	75.3	131.5	75 300*	80.0	129.7	56 100*	56.0
		58.0	74.4	130.8	73 000*	79.0	128.9	54 200*	58.0
		60.0	73.5	130.0	70 700*	78.1	128.1	52 400*	60.0
		62.0	72.6	129.1	68 400*	77.2	127.3	50 800*	62.0
		66.0	70.7	127.4	63 800*	75.3	125.5	47 700*	66.0
		70.0	68.9	125.4	59 600*	73.4	123.5	44 900*	70.0
		74.0	67.0	123.3	55 800*	71.5	121.4	42 400*	74.0
		78.0	65.0	121.0	52 400*	69.6	119.1	40 000*	78.0
		82.0	63.1	118.6	49 300*	67.6	116.6	37 900*	82.0
		86.0	61.1	115.9	46 500*	65.5	113.9	36 000*	86.0
		90.0	59.0	113.1	43 900*	63.4	111.0	34 200*	90.0
		94.0	56.9	110.0	41 600*	61.2	107.8	32 500*	94.0
		98.0	54.7	106.6	39 400*	59.0	104.4	31 000*	98.0
		102.0	52.4	103.0	37 400*	56.7	100.7	29 600*	102.0
		106.0	50.1	99.1	35 600*	54.3	96.7	28 200*	106.0
		110.0	47.6	94.9	33 900*	51.8	92.3	27 000*	110.0
		114.0	45.1	90.2	32 300*	49.1	87.5	25 900*	114.0
		118.0	42.3	85.1	30 800*	46.3	82.3	24 900*	118.0
		122.0	39.4	79.5	29 500*	43.3	76.4	23 900*	122.0
		126.0	36.3	73.1	28 200*	40.0	69.7	23 000*	126.0
		130.0	32.8	65.9	26 800*	36.3	62.1	22 300*	130.0
		134.0	28.9	57.4	21 900*	32.1	53.0	21 600*	134.0

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 17.8m STRUT ON

BOOM NO. 75A

MAST NO. 75 OR NO. 75A

18.3m RINGER ATTACHMENT ON SCREW JACK PEDESTALS

23 590 kg CRANE COUNTERWEIGHT

715 590 kg AUXILIARY COUNTERWEIGHT

360 DEGREE RATING

67.1m (220 FT.) JIB

BOOM LGTH. METERS	BOOM LGTH. FEET	JIB OPER. RADIUS METERS	10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RADIUS METERS
			BOOM ANG. DEG.	JIB POINT ELEV. METERS	JIB CAPACITY KILOGRAMS	BOOM ANG. DEG.	JIB POINT ELEV. METERS	JIB CAPACITY KILOGRAMS	
7 6 - 2	2 5 0	44.2	81.0	143.1	94 300*				44.2
		46.0	80.3	142.7	91 500*				46.0
		48.0	79.4	142.1	88 600*				48.0
		50.0	78.6	141.5	85 800*				50.0
		52.0	77.8	140.9	83 100*				52.0
		54.0	76.9	140.3	80 500*				54.0
		56.0	76.1	139.6	78 000*	80.5	137.7	57 700*	56.0
		58.0	75.3	138.9	75 700*	79.7	137.0	55 800*	58.0
		60.0	74.4	138.1	73 400*	78.8	136.2	54 100*	60.0
		62.0	73.6	137.3	71 200*	77.9	135.4	52 400*	62.0
		66.0	71.8	135.7	67 000*	76.2	133.7	49 400*	66.0
		70.0	70.1	133.9	62 700*	74.4	131.9	46 600*	70.0
		74.0	68.3	131.9	58 800*	72.6	129.9	44 100*	74.0
		78.0	66.5	129.8	55 300*	70.8	127.7	41 700*	78.0
		82.0	64.7	127.5	52 100*	68.9	125.4	39 600*	82.0
		86.0	62.8	125.0	49 200*	67.0	122.9	37 600*	86.0
		90.0	60.9	122.4	46 500*	65.1	120.2	35 800*	90.0
		94.0	59.0	119.5	44 100*	63.1	117.3	34 100*	94.0
		98.0	57.0	116.5	41 900*	61.1	114.2	32 600*	98.0
		102.0	54.9	113.2	39 800*	59.0	110.9	31 100*	102.0
		106.0	52.8	109.7	37 900*	56.8	107.2	29 700*	106.0
		110.0	50.6	105.9	36 100*	54.5	103.3	28 500*	110.0
		114.0	48.3	101.7	34 400*	52.2	99.1	27 300*	114.0
		118.0	45.9	97.3	32 900*	49.7	94.5	26 300*	118.0
		122.0	43.4	92.4	31 400*	47.2	89.5	25 200*	122.0
8 3 - 8	2 7 5	126.0	40.7	87.0	30 100*	44.4	83.9	24 300*	126.0
		130.0	37.9	81.1	27 800*	41.4	77.7	23 500*	130.0
		134.0	34.8	74.4	23 300*	38.2	70.8	22 700*	134.0
		138.0	31.4	66.8	18 900*	34.6	62.7	21 700*	138.0
		142.0				30.4	53.0	16 900*	142.0
		45.7	80.9	150.6	91 900*				45.7
		46.0	80.8	150.5	91 500*				46.0
		48.0	80.0	150.0	88 700*				48.0
		50.0	79.2	149.4	86 100*				50.0
		52.0	78.4	148.8	83 500*				52.0
		54.0	77.6	148.2	81 000*				54.0
		56.0	76.8	147.6	78 700*				56.0
		58.0	76.0	146.9	76 400*	80.2	145.0	56 000*	58.0
		60.0	75.2	146.2	74 200*	79.4	144.2	54 300*	60.0
		62.0	74.4	145.5	72 200*	78.6	143.5	52 800*	62.0
		66.0	72.8	143.9	68 200*	76.9	141.9	49 800*	66.0
		70.0	71.2	142.2	64 100*	75.3	140.2	47 100*	70.0
		74.0	69.5	140.4	60 300*	73.6	138.3	44 700*	74.0
		78.0	67.8	138.4	56 800*	71.9	136.3	42 400*	78.0
		82.0	66.1	136.2	53 700*	70.1	134.1	40 300*	82.0
		86.0	64.4	133.9	50 800*	68.4	131.8	38 400*	86.0
		90.0	62.6	131.5	48 200*	66.6	129.3	36 700*	90.0
		94.0	60.8	128.8	45 700*	64.7	126.6	35 000*	94.0
		98.0	58.9	126.0	43 500*	62.8	123.7	33 500*	98.0
		102.0	57.0	123.0	41 400*	60.9	120.6	32 100*	102.0
		106.0	55.1	119.8	39 500*	58.9	117.3	30 700*	106.0
		110.0	53.1	116.3	37 700*	56.9	113.8	29 500*	110.0
		114.0	51.0	112.6	36 000*	54.8	110.0	28 300*	114.0
		118.0	48.9	108.5	34 500*	52.6	105.9	27 300*	118.0
		122.0	46.7	104.2	33 000*	50.3	101.4	26 200*	122.0
		126.0	44.3	99.5	31 700*	47.9	96.6	25 300*	126.0
		130.0	41.9	94.4	28 600*	45.4	91.3	24 400*	130.0
		134.0	39.3	88.8	24 500*	42.7	85.5	23 600*	134.0
		138.0	36.5	82.6	20 500*	39.7	79.0	22 900*	138.0
		142.0	33.5	75.7	16 500*	36.6	71.7	19 500*	142.0
		146.0	30.1	67.7	12 300*	33.0	63.2	15 100*	146.0

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 17.8m STRUT ON

BOOM NO. 75A

MAST NO. 75 OR NO. 75A

18.3m RINGER ATTACHMENT ON SCREW JACK PEDESTALS

23 590 kg CRANE COUNTERWEIGHT

715 590 kg AUXILIARY COUNTERWEIGHT

360 DEGREE RATING

73.2m (240 FT.) JIB

BOOM LGTH. METERS	BOOM LGTH. FEET	JIB OPER. RADIUS METERS	10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RADIUS METERS
			BOOM ANG. DEG.	JIB POINT ELEV. METERS	JIB CAPACITY KILOGRAMS	BOOM ANG. DEG.	JIB POINT ELEV. METERS	JIB CAPACITY KILOGRAMS	
4 5 7	1 5 0	42.7	80.9	118.3	81 300*				42.7
		44.0	80.3	117.9	79 100*				44.0
		46.0	79.3	117.3	75 800*				46.0
		48.0	78.3	116.6	72 800*				48.0
		50.0	77.2	115.9	69 900*				50.0
		52.0	76.2	115.1	67 200*				52.0
		54.0	75.2	114.3	64 500*	80.2	113.0	52 900*	54.0
		56.0	74.2	113.5	61 600*	79.1	112.2	50 900*	56.0
		58.0	73.1	112.6	58 900*	78.1	111.3	49 000*	58.0
		60.0	72.1	111.7	56 400*	77.0	110.3	47 200*	60.0
		62.0	71.0	110.7	54 000*	75.9	109.4	45 400*	62.0
		66.0	68.8	108.6	49 800*	73.8	107.2	42 100*	66.0
		70.0	66.6	106.3	45 900*	71.5	104.9	39 100*	70.0
		74.0	64.4	103.8	42 600*	69.2	102.4	36 400*	74.0
		78.0	62.1	101.1	39 500*	66.9	99.6	33 800*	78.0
		82.0	59.7	98.1	36 800*	64.5	96.6	31 500*	82.0
		86.0	57.2	94.9	34 300*	62.0	93.3	29 300*	86.0
		90.0	54.7	91.3	32 000*	59.4	89.7	27 300*	90.0
		94.0	52.0	87.5	30 000*	56.6	85.7	25 500*	94.0
		98.0	49.2	83.2	28 000*	53.8	81.4	23 800*	98.0
		102.0	46.2	78.5	26 300*	50.7	76.5	22 200*	102.0
		106.0	43.1	73.2	24 600*	47.5	71.1	20 700*	106.0
		110.0	39.6	67.2	23 100*	43.9	64.9	19 400*	110.0
		114.0	35.8	60.4	21 700*	40.0	57.8	18 200*	114.0
		118.0	31.5	52.2	20 300*	35.4	49.2	17 200*	118.0
		122.0				29.7	38.1	16 400*	122.0
5 3 3	1 7 5	44.2	80.8	125.8	79 800*				44.2
		46.0	79.9	125.2	77 000*				46.0
		48.0	79.0	124.6	74 100*				48.0
		50.0	78.0	123.9	71 300*				50.0
		52.0	77.1	123.2	68 700*				52.0
		54.0	76.1	122.5	66 200*				54.0
		56.0	75.2	121.7	63 800*	79.9	120.3	51 700*	56.0
		58.0	74.2	120.9	61 400*	78.9	119.4	49 900*	58.0
		60.0	73.2	120.0	59 300*	77.9	118.6	48 100*	60.0
		62.0	72.2	119.1	57 200*	76.9	117.6	46 400*	62.0
		66.0	70.2	117.2	53 300*	74.9	115.7	43 300*	66.0
		70.0	68.2	115.0	49 600*	72.8	113.5	40 400*	70.0
		74.0	66.1	112.7	46 200*	70.7	111.2	37 700*	74.0
		78.0	64.0	110.3	43 100*	68.5	108.7	35 300*	78.0
		82.0	61.8	107.5	40 300*	66.3	105.9	33 000*	82.0
		86.0	59.6	104.6	37 700*	64.1	102.9	30 900*	86.0
		90.0	57.3	101.4	35 300*	61.7	99.7	28 900*	90.0
		94.0	54.9	97.9	33 000*	59.3	96.1	27 000*	94.0
		98.0	52.4	94.2	30 900*	56.8	92.3	25 300*	98.0
		102.0	49.8	90.0	28 900*	54.1	88.1	23 800*	102.0
		106.0	47.1	85.5	27 100*	51.3	83.4	22 300*	106.0
		110.0	44.2	80.5	25 400*	48.4	78.3	21 000*	110.0
		114.0	41.2	74.9	23 800*	45.2	72.5	19 700*	114.0
		118.0	37.8	68.6	22 400*	41.7	66.0	18 600*	118.0
		122.0	34.1	61.4	21 000*	37.8	58.4	17 600*	122.0
		126.0	29.8	52.8	19 800*	33.3	49.2	16 700*	126.0

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 17.8m STRUT ON

BOOM NO. 75A

MAST NO. 75 OR NO. 75A

18.3m RINGER ATTACHMENT ON SCREW JACK PEDESTALS

23 590 kg CRANE COUNTERWEIGHT

715 590 kg AUXILIARY COUNTERWEIGHT

360 DEGREE RATING

73.2m (240 FT.) JIB

BOOM LGTH. METERS	BOOM LGTH. FEET	JIB OPER. RADIUS METERS	10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RADIUS METERS
			BOOM ANG. DEG.	JIB POINT ELEV. METERS	JIB CAPACITY KILOGRAMS	BOOM ANG. DEG.	JIB POINT ELEV. METERS	JIB CAPACITY KILOGRAMS	
6 1 0	2 0 0	45.7	80.7	133.2	78 900*				45.7
		46.0	80.5	133.1	78 500*				46.0
		48.0	79.6	132.5	75 700*				48.0
		50.0	78.8	131.9	73 000*				50.0
		52.0	77.9	131.2	70 400*				52.0
		54.0	77.0	130.5	68 000*				54.0
		56.0	76.1	129.8	65 600*				56.0
		58.0	75.1	129.0	63 400*	79.6	127.5	50 900*	58.0
		60.0	74.2	128.2	61 300*	78.6	126.7	49 200*	60.0
		62.0	73.3	127.4	59 200*	77.7	125.8	47 600*	62.0
		66.0	71.4	125.6	55 300*	75.8	124.0	44 500*	66.0
		70.0	69.6	123.6	51 700*	73.9	122.0	41 700*	70.0
		74.0	67.6	121.5	48 500*	71.9	119.9	39 100*	74.0
		78.0	65.7	119.2	45 400*	69.9	117.5	36 700*	78.0
		82.0	63.7	116.7	42 600*	67.9	115.0	34 500*	82.0
		86.0	61.6	114.0	40 000*	65.8	112.2	32 400*	86.0
		90.0	59.5	111.1	37 500*	63.7	109.3	30 400*	90.0
		94.0	57.4	107.9	35 200*	61.5	106.1	28 600*	94.0
		98.0	55.1	104.5	33 100*	59.2	102.6	26 900*	98.0
		102.0	52.8	100.8	31 100*	56.9	98.8	25 300*	102.0
		106.0	50.4	96.8	29 300*	54.4	94.7	23 800*	106.0
		110.0	47.9	92.5	27 500*	51.8	90.3	22 500*	110.0
		114.0	45.2	87.7	25 900*	49.1	85.4	21 200*	114.0
		118.0	42.4	82.4	24 400*	46.2	79.9	20 000*	118.0
		122.0	39.4	76.5	23 000*	43.1	73.9	18 900*	122.0
		126.0	36.1	69.9	21 700*	39.7	67.0	18 000*	126.0
		130.0	32.5	62.3	20 500*	35.8	58.9	17 100*	130.0
		134.0	28.2	53.2	19 400*	31.3	49.2	16 500*	134.0
6 8 6	2 2 5	47.2	80.6	140.6	78 600*				47.2
		48.0	80.2	140.4	77 500*				48.0
		50.0	79.4	139.8	74 900*				50.0
		52.0	78.5	139.2	72 400*				52.0
		54.0	77.7	138.5	70 000*				54.0
		56.0	76.8	137.9	67 700*				56.0
		58.0	76.0	137.1	65 500*	80.2	135.5	52 000*	58.0
		60.0	75.1	136.4	63 400*	79.3	134.8	50 400*	60.0
		62.0	74.3	135.6	61 300*	78.4	134.0	48 800*	62.0
		66.0	72.5	133.9	57 500*	76.6	132.2	45 800*	66.0
		70.0	70.7	132.1	54 000*	74.8	130.4	43 100*	70.0
		74.0	68.9	130.1	50 700*	73.0	128.4	40 600*	74.0
		78.0	67.1	127.9	47 700*	71.2	126.2	38 200*	78.0
		82.0	65.3	125.6	44 900*	69.3	123.8	36 000*	82.0
		86.0	63.4	123.1	42 200*	67.4	121.3	33 900*	86.0
		90.0	61.4	120.4	39 800*	65.4	118.6	32 000*	90.0
		94.0	59.4	117.5	37 500*	63.4	115.6	30 200*	94.0
		98.0	57.4	114.4	35 300*	61.3	112.5	28 500*	98.0
		102.0	55.3	111.1	33 300*	59.2	109.1	26 900*	102.0
		106.0	53.1	107.5	31 400*	57.0	105.4	25 400*	106.0
		110.0	50.9	103.6	29 600*	54.7	101.4	24 000*	110.0
		114.0	48.6	99.3	28 000*	52.3	97.1	22 700*	114.0
		118.0	46.1	94.7	26 400*	49.8	92.4	21 500*	118.0
		122.0	43.5	89.7	25 000*	47.1	87.2	20 400*	122.0
		126.0	40.8	84.2	23 600*	44.3	81.5	19 300*	126.0
		130.0	37.8	78.0	22 300*	41.2	75.1	18 400*	130.0
		134.0	34.6	71.1	21 100*	37.8	67.8	17 600*	134.0
		138.0	31.0	63.1	20 100*	34.0	59.4	16 800*	138.0
		142.0				29.5	49.0	16 300*	142.0

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 17.8m STRUT ON

BOOM NO. 75A

MAST NO. 75 OR NO. 75A

18.3m RINGER ATTACHMENT ON SCREW JACK PEDESTALS

23 590 kg CRANE COUNTERWEIGHT

715 590 kg AUXILIARY COUNTERWEIGHT

360 DEGREE RATING

73.2m (240 FT.) JIB

BOOM LGTH. METERS	BOOM LGTH. FEET	JIB OPER. RADIUS METERS	10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RADIUS METERS
			BOOM ANG. DEG.	JIB POINT ELEV. METERS	JIB CAPACITY KILOGRAMS	BOOM ANG. DEG.	JIB POINT ELEV. METERS	JIB CAPACITY KILOGRAMS	
7 6 · 2	2 5 0	47.2	81.0	148.5	81 600*				47.2
		48.0	80.7	148.3	80 100*				48.0
		50.0	79.9	147.7	77 000*				50.0
		52.0	79.1	147.1	74 600*				52.0
		54.0	78.3	146.5	72 200*				54.0
		56.0	77.5	145.9	70 000*				56.0
		58.0	76.7	145.2	67 800*	80.7	143.5	53 400*	58.0
		60.0	75.9	144.5	65 700*	79.9	142.8	51 800*	60.0
		62.0	75.1	143.7	63 700*	79.0	142.0	50 200*	62.0
		66.0	73.5	142.1	59 900*	77.4	140.4	47 300*	66.0
		70.0	71.8	140.4	56 300*	75.7	138.7	44 600*	70.0
		74.0	70.1	138.5	53 100*	74.0	136.8	42 100*	74.0
		78.0	68.4	136.5	50 000*	72.3	134.7	39 800*	78.0
		82.0	66.7	134.4	47 200*	70.5	132.5	37 500*	82.0
		86.0	64.9	132.0	44 600*	68.7	130.2	35 500*	86.0
		90.0	63.1	129.5	42 100*	66.9	127.6	33 600*	90.0
		94.0	61.3	126.9	39 800*	65.0	124.9	31 700*	94.0
		98.0	59.4	124.0	37 600*	63.1	122.0	30 100*	98.0
		102.0	57.5	120.9	35 500*	61.1	118.9	28 500*	102.0
		106.0	55.5	117.6	33 600*	59.1	115.5	26 900*	106.0
		110.0	53.4	114.1	31 800*	57.0	111.9	25 600*	110.0
		114.0	51.3	110.3	30 100*	54.9	108.0	24 200*	114.0
		118.0	49.1	106.2	28 500*	52.7	103.8	23 000*	118.0
		122.0	46.9	101.7	27 000*	50.3	99.3	21 800*	122.0
		126.0	44.5	96.9	25 600*	47.9	94.3	20 800*	126.0
8 3 · 8	2 7 5	130.0	41.9	91.7	24 200*	45.3	88.9	19 800*	130.0
		134.0	39.3	85.9	23 000*	42.5	82.9	18 800*	134.0
		138.0	36.4	79.4	21 800*	39.5	76.2	18 000*	138.0
		142.0	33.2	72.2	18 200*	36.1	68.6	17 200*	142.0
		146.0	29.6	63.7	14 000*	32.4	59.7	16 700*	146.0
		48.8	80.9	155.9	78 600*				48.8
		50.0	80.4	155.6	77 100*				50.0
		52.0	79.7	155.0	74 800*				52.0
		54.0	78.9	154.5	72 500*				54.0
		56.0	78.2	153.8	70 400*				56.0
		58.0	77.4	153.2	68 300*				58.0
		60.0	76.6	152.5	66 300*	80.4	150.8	51 800*	60.0
		62.0	75.9	151.8	64 300*	79.6	150.0	50 300*	62.0
		66.0	74.3	150.3	60 700*	78.0	148.5	47 600*	66.0
		70.0	72.7	148.7	57 300*	76.4	146.9	45 000*	70.0
		74.0	71.2	146.9	54 100*	74.8	145.1	42 600*	74.0
		78.0	69.5	145.0	51 100*	73.2	143.2	40 300*	78.0
		82.0	67.9	143.0	48 400*	71.6	141.1	38 200*	82.0
		86.0	66.3	140.8	45 800*	69.9	138.9	36 200*	86.0
		90.0	64.6	138.5	43 400*	68.2	136.5	34 300*	90.0
		94.0	62.9	136.0	41 100*	66.4	134.0	32 600*	94.0
		98.0	61.1	133.3	39 000*	64.7	131.3	31 000*	98.0
		102.0	59.3	130.5	37 000*	62.8	128.4	29 400*	102.0
		106.0	57.5	127.4	35 100*	61.0	125.3	28 000*	106.0
		110.0	55.6	124.2	33 300*	59.1	122.0	26 600*	110.0
		114.0	53.7	120.7	31 600*	57.1	118.4	25 300*	114.0
		118.0	51.7	117.0	30 000*	55.1	114.6	24 000*	118.0
		122.0	49.7	113.0	28 500*	53.0	110.6	22 900*	122.0
		126.0	47.5	108.7	27 100*	50.8	106.1	21 800*	126.0
		130.0	45.3	104.0	25 700*	48.5	101.4	20 800*	130.0
		134.0	43.0	99.0	24 500*	46.1	96.2	19 800*	134.0
		138.0	40.5	93.5	23 200*	43.6	90.5	19 000*	138.0
		142.0	37.9	87.4	19 800*	40.8	84.3	18 200*	142.0
		146.0	35.0	80.7	16 100*	37.9	77.3	17 500*	146.0
		150.0	31.9	73.1	12 300*	34.6	69.3	14 900*	150.0