

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

476 090 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 476 090 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-CM OR 7953-DM FOR LIFTING OFF MAIN BOOM POINT WITH JIB ATTACHED.

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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	
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	78 500	42.3	50.6	65 700*	78.0
		82.0	34.7	46.1	70 900	37.0	44.1	63 600*	82.0
		86.0				30.8	35.8	62 000*	86.0

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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	
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	84 800	51.8	67.4	71 600*	74.0
		78.0	45.6	64.6	76 300	48.0	63.0	68 900*	78.0
		82.0	41.7	59.8	68 700	44.0	58.0	66 600*	82.0
		86.0	37.4	54.1	61 800	39.6	52.2	63 600	86.0
		90.0	32.5	47.4	55 500	34.5	45.1	56 700	90.0
		94.0				28.4	36.1	50 500	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	102 800	61.4	84.2	81 700*	66.0
		70.0	56.0	82.6	91 800	58.5	81.2	78 200*	70.0
		74.0	53.1	79.3	82 200	55.5	77.8	75 000*	74.0
		78.0	50.0	75.6	73 700	52.3	74.1	72 200*	78.0
		82.0	46.7	71.6	66 100	49.0	69.9	68 500	82.0
		86.0	43.2	67.0	59 200	45.4	65.2	61 300	86.0
		90.0	39.4	61.7	52 900	41.5	59.8	54 700	90.0
		94.0	35.3	55.7	47 200	37.2	53.6	48 700	94.0
		98.0	30.6	48.5	41 900	32.3	46.0	43 100	98.0

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23 590 kg CRANE COUNTERWEIGHT

476 090 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	
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	119 000	67.5	96.9	91 500*	60.0
		62.0	63.9	97.0	111 800	66.3	95.7	89 300*	62.0
		66.0	61.4	94.6	99 200	63.8	93.3	85 300*	66.0
		70.0	58.8	92.0	88 300	61.2	90.6	81 700*	70.0
		74.0	56.2	89.1	78 700	58.5	87.6	78 500*	74.0
		78.0	53.5	85.9	70 200	55.7	84.4	73 300	78.0
8 3 - 8	2 7 5	82.0	50.6	82.3	62 500	52.8	80.8	65 400	82.0
		86.0	47.6	78.4	55 700	49.8	76.7	58 200	86.0
		90.0	44.5	74.0	49 400	46.6	72.3	51 800	90.0
		94.0	41.1	69.1	43 800	43.1	67.2	45 800	94.0
		98.0	37.5	63.5	38 600	39.3	61.5	40 300	98.0
		102.0	33.4	57.1	33 700	35.1	54.8	35 200	102.0
		106.0	28.8	49.4	29 200	30.3	46.7	30 400	106.0
		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	125 400	70.3	106.4	95 500*	58.0
		60.0	66.9	106.7	117 700	69.2	105.4	93 300*	60.0
		62.0	65.8	105.7	110 700	68.0	104.4	91 200*	62.0
		66.0	63.5	103.5	98 000	65.7	102.2	87 300*	66.0
		70.0	61.2	101.1	87 000	63.4	99.7	83 800*	70.0
		74.0	58.8	98.5	77 300	61.0	97.1	80 400	74.0
		78.0	56.3	95.6	68 700	58.5	94.1	72 200	78.0
		82.0	53.8	92.4	61 000	55.9	90.9	64 200	82.0
		86.0	51.2	89.0	54 100	53.2	87.4	57 100	86.0
		90.0	48.4	85.2	47 900	50.4	83.5	50 500	90.0
		94.0	45.6	81.0	42 200	47.5	79.2	44 600	94.0
		98.0	42.5	76.3	36 900	44.4	74.5	39 100	98.0
		102.0	39.2	71.1	32 100	41.0	69.1	34 100	102.0
		106.0	35.7	65.2	27 600	37.4	63.0	29 300	106.0
		110.0	31.8	58.4	23 400	33.3	55.9	24 900	110.0
		114.0				28.5	47.3	20 700	114.0

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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	
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	148 700	74.7	117.2	106 700*	52.0
		54.0	71.5	117.7	140 100	73.7	116.5	104 100*	54.0
		56.0	70.5	116.9	130 900	72.6	115.6	101 600*	56.0
		58.0	69.4	116.1	122 700	71.6	114.8	99 300*	58.0
		60.0	68.4	115.2	115 000	70.6	113.9	97 000*	60.0
		62.0	67.4	114.2	107 900	69.5	112.9	94 900*	62.0
		66.0	65.3	112.2	95 200	67.4	110.8	90 900*	66.0
		70.0	63.2	110.0	84 200	65.3	108.6	87 300*	70.0
		74.0	61.0	107.6	74 500	63.1	106.2	78 700	74.0
		78.0	58.8	104.9	65 800	60.8	103.5	69 700	78.0
		82.0	56.5	102.1	58 200	58.5	100.6	61 700	82.0
		86.0	54.1	99.0	51 300	56.1	97.4	54 600	86.0
		90.0	51.7	95.6	45 000	53.6	94.0	48 000	90.0
		94.0	49.1	91.9	39 300	51.0	90.2	42 100	94.0
		98.0	46.5	87.8	34 100	48.3	86.1	36 700	98.0
		102.0	43.7	83.4	29 200	45.5	81.6	31 700	102.0
9 9 · 1	3 2 5	106.0	40.7	78.5	24 800	42.4	76.5	27 000	106.0
		110.0	37.6	73.0	20 700	39.2	70.8	22 700	110.0
		114.0	34.1	66.7	16 800	35.6	64.4	18 600	114.0
		118.0	30.3	59.5	13 200	31.6	56.9	14 700	118.0
		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	167 500	77.5	126.7	116 400*	48.0
		50.0	74.5	127.3	158 200	76.6	126.0	113 500*	50.0
		52.0	73.5	126.6	147 100	75.6	125.3	110 700*	52.0
		54.0	72.6	125.9	137 300	74.7	124.6	108 000*	54.0
		56.0	71.7	125.1	128 200	73.7	123.8	105 500*	56.0
		58.0	70.7	124.3	119 900	72.8	123.0	103 100*	58.0
		60.0	69.8	123.5	112 300	71.8	122.2	100 900*	60.0
		62.0	68.8	122.6	105 200	70.8	121.3	98 700*	62.0
		66.0	66.9	120.7	92 500	68.9	119.4	94 600*	66.0
		70.0	64.9	118.7	81 500	66.9	117.3	86 400	70.0
		74.0	62.9	116.5	71 800	64.9	115.1	76 400	74.0
		78.0	60.8	114.0	63 200	62.8	112.6	67 400	78.0
		82.0	58.7	111.4	55 500	60.7	110.0	59 500	82.0
		86.0	56.6	108.6	48 600	58.5	107.1	52 300	86.0
		90.0	54.4	105.5	42 400	56.2	104.0	45 800	90.0
		94.0	52.1	102.2	36 700	53.9	100.6	39 900	94.0
		98.0	49.7	98.6	31 500	51.5	96.9	34 500	98.0
		102.0	47.3	94.7	26 700	49.0	92.9	29 500	102.0
		106.0	44.7	90.4	22 400	46.4	88.6	24 900	106.0
		110.0	42.0	85.7	18 300	43.6	83.7	20 600	110.0
		114.0	39.1	80.5	14 500	40.6	78.4	16 600	114.0
		118.0	36.0	74.7	10 900	37.5	72.4	12 900	118.0
		122.0	32.6	68.1	7 600	34.0	65.6	9 300	122.0
		126.0				30.0	57.7	5 900	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
476 090 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	134 000	75.6	132.7	109 600*	54.0
		56.0	72.7	133.3	126 500	74.7	131.9	107 200*	56.0
		58.0	71.8	132.5	117 800	73.8	131.2	104 900*	58.0
		60.0	70.9	131.7	110 200	72.9	130.4	102 600*	60.0
		62.0	70.0	130.9	103 000	72.0	129.6	100 500*	62.0
		66.0	68.2	129.2	90 300	70.2	127.8	95 900	66.0
		70.0	66.4	127.2	79 100	68.3	125.9	84 000	70.0
		74.0	64.5	125.2	69 400	66.4	123.8	73 800	74.0
		78.0	62.6	122.9	60 700	64.5	121.5	64 800	78.0
		82.0	60.7	120.5	53 000	62.5	119.1	56 700	82.0
		86.0	58.7	117.9	46 000	60.5	116.4	49 500	86.0
		90.0	56.7	115.1	39 700	58.5	113.6	42 900	90.0
		94.0	54.6	112.1	34 000	56.4	110.5	36 900	94.0
		98.0	52.5	108.8	28 800	54.2	107.2	31 500	98.0
		102.0	50.2	105.3	24 000	51.9	103.6	26 500	102.0
		106.0	48.0	101.4	19 600	49.6	99.7	21 800	106.0
		110.0	45.6	97.3	15 500	47.2	95.5	17 500	110.0
		114.0	43.1	92.8	11 700	44.6	90.9	13 500	114.0
		118.0	40.4	87.8	8 200	41.9	85.8	9 800	118.0
		122.0				39.0	80.2	6 200	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

476 090 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
		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
5 3 3	1 7 5	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	59 100	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
476 090 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	69 900	49.2	67.6	59 400*	82.0
		86.0	42.6	64.6	63 000	45.5	62.7	57 200*	86.0
		90.0	38.7	59.1	56 700	41.4	57.1	55 200*	90.0
		94.0	34.3	52.8	51 000	36.9	50.4	52 500	94.0
		98.0	29.3	45.1	45 700	31.5	42.3	46 700	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	83 600	58.9	85.7	67 600*	74.0
		78.0	53.2	83.9	74 800	56.1	82.3	64 800*	78.0
		82.0	50.3	80.3	67 200	53.1	78.6	62 300*	82.0
		86.0	47.3	76.2	60 300	50.0	74.5	60 000*	86.0
		90.0	44.0	71.7	54 100	46.6	69.8	56 200	90.0
		94.0	40.5	66.6	48 400	43.1	64.6	50 300	94.0
		98.0	36.7	60.8	43 100	39.1	58.6	44 800	98.0
		102.0	32.5	54.0	38 300	34.7	51.5	39 600	102.0
		106.0				29.4	42.7	34 700	106.0

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

476 090 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	99 900	66.3	100.3	77 400*	66.0
		70.0	61.1	99.3	89 500	63.9	97.9	73 900*	70.0
		74.0	58.7	96.6	79 800	61.4	95.1	70 700*	74.0
		78.0	56.2	93.7	71 300	58.9	92.1	67 800*	78.0
		82.0	53.6	90.5	63 600	56.3	88.8	65 200*	82.0
		86.0	50.9	86.9	56 800	53.5	85.2	59 700	86.0
		90.0	48.1	83.0	50 500	50.7	81.2	53 200	90.0
		94.0	45.1	78.7	44 900	47.6	76.8	47 300	94.0
		98.0	42.0	73.9	39 700	44.4	71.9	41 800	98.0
		102.0	38.6	68.5	34 900	40.9	66.3	36 700	102.0
		106.0	34.9	62.3	30 400	37.1	59.9	32 000	106.0
		110.0	30.8	55.1	26 300	32.7	52.4	27 600	110.0
		114.0				27.5	43.0	23 300	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	99 300	68.0	109.0	79 200*	66.0
		70.0	63.1	108.2	88 200	65.8	106.8	75 700*	70.0
		74.0	60.9	105.8	78 500	63.5	104.3	72 600*	74.0
		78.0	58.7	103.1	69 900	61.2	101.6	69 800*	78.0
		82.0	56.3	100.2	62 100	58.9	98.6	65 900	82.0
		86.0	53.9	97.0	55 200	56.4	95.4	58 500	86.0
		90.0	51.4	93.6	48 900	53.9	91.9	51 900	90.0
		94.0	48.8	89.8	43 200	51.2	88.0	46 000	94.0
		98.0	46.1	85.6	38 000	48.4	83.7	40 500	98.0
		102.0	43.2	81.1	33 100	45.5	79.0	35 400	102.0
		106.0	40.2	76.0	28 700	42.4	73.8	30 700	106.0
		110.0	36.9	70.3	24 500	39.0	67.9	26 300	110.0
		114.0	33.3	63.7	20 700	35.2	61.1	22 200	114.0
		118.0	29.2	56.1	17 000	30.9	53.1	18 300	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

476 090 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	122 700	73.4	121.3	90 500*	58.0
		60.0	69.8	121.8	116 500	72.4	120.4	88 300*	60.0
		62.0	68.9	121.0	109 200	71.4	119.5	86 300*	62.0
		66.0	66.9	119.1	96 500	69.4	117.6	82 400*	66.0
		70.0	64.9	117.0	85 400	67.4	115.5	79 000*	70.0
		74.0	62.9	114.7	75 600	65.3	113.2	75 700*	74.0
		78.0	60.8	112.3	66 900	63.2	110.7	71 300	78.0
		82.0	58.6	109.6	59 200	61.1	108.0	63 200	82.0
		86.0	56.5	106.7	52 200	58.8	105.1	56 000	86.0
		90.0	54.2	103.6	46 000	56.5	101.9	49 400	90.0
		94.0	51.9	100.2	40 300	54.2	98.5	43 400	94.0
		98.0	49.5	96.5	35 000	51.7	94.7	37 900	98.0
		102.0	46.9	92.5	30 200	49.1	90.6	32 900	102.0
		106.0	44.3	88.1	25 800	46.4	86.1	28 200	106.0
		110.0	41.5	83.3	21 700	43.6	81.1	23 900	110.0
		114.0	38.5	77.9	17 800	40.5	75.6	19 800	114.0
		118.0	35.3	71.9	14 300	37.2	69.4	16 000	118.0
		122.0	31.8	65.0	10 900	33.5	62.2	12 400	122.0
		126.0				29.3	53.7	8 900	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

476 090 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



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

476 090 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	57 700	47.0	67.2	48 400*	90.0
		94.0	40.4	63.8	52 000	43.2	61.7	46 700*	94.0
		98.0	36.4	57.7	46 700	39.0	55.4	45 100*	98.0
		102.0	31.9	50.5	41 900	34.3	47.8	43 100	102.0
		106.0				28.5	38.1	38 100	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	61 300	54.0	82.9	52 800*	86.0
		90.0	48.3	80.6	55 000	51.1	78.8	50 800*	90.0
		94.0	45.2	76.2	49 300	47.9	74.2	49 000*	94.0
		98.0	42.0	71.2	44 100	44.6	69.1	46 200	98.0
		102.0	38.4	65.6	39 300	40.9	63.3	41 000	102.0
		106.0	34.5	59.1	34 800	36.9	56.5	36 200	106.0
		110.0	30.1	51.4	30 600	32.2	48.4	31 800	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

476 090 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	72 400	61.9	99.5	60 100*	78.0
		82.0	56.7	98.1	64 700	59.5	96.5	57 600*	82.0
		86.0	54.2	94.9	57 800	57.0	93.2	55 300*	86.0
		90.0	51.7	91.3	51 500	54.4	89.5	53 200	90.0
		94.0	49.0	87.4	45 800	51.6	85.6	48 600	94.0
		98.0	46.2	83.2	40 600	48.8	81.2	43 200	98.0
		102.0	43.2	78.4	35 800	45.7	76.3	38 100	102.0
		106.0	40.1	73.2	31 300	42.5	70.9	33 400	106.0
8 3 · 8	2 7 5	110.0	36.6	67.2	27 200	38.9	64.7	29 000	110.0
		114.0	32.8	60.3	23 300	34.9	57.5	24 800	114.0
		118.0				30.3	48.9	20 800	118.0
		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	79 700	66.0	111.2	64 300*	74.0
		78.0	61.2	110.3	71 000	63.9	108.7	61 600*	78.0
		82.0	59.0	107.6	63 200	61.7	105.9	59 200*	82.0
		86.0	56.8	104.6	56 200	59.4	102.9	56 900*	86.0
		90.0	54.5	101.4	49 900	57.1	99.7	53 400	90.0
		94.0	52.1	98.0	44 200	54.6	96.1	47 300	94.0
		98.0	49.6	94.2	38 900	52.1	92.3	41 800	98.0
		102.0	47.1	90.1	34 100	49.5	88.1	36 700	102.0
		106.0	44.3	85.5	29 600	46.7	83.4	32 000	106.0
		110.0	41.5	80.5	25 400	43.7	78.3	27 600	110.0
		114.0	38.4	75.0	21 600	40.5	72.5	23 500	114.0
		118.0	35.0	68.7	17 900	37.0	66.0	19 600	118.0
		122.0	31.3	61.4	14 500	33.1	58.4	15 900	122.0
		126.0				28.6	49.2	12 300	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

476 090 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	96 700	71.4	124.1	73 200*	66.0
		70.0	66.9	123.7	86 700	69.5	122.1	70 000*	70.0
		74.0	65.0	121.5	76 800	67.6	120.0	67 000*	74.0
		78.0	63.0	119.2	68 100	65.6	117.6	64 300*	78.0
		82.0	61.0	116.7	60 300	63.6	115.1	61 700*	82.0
		86.0	59.0	114.0	53 300	61.5	112.3	57 600	86.0
		90.0	56.9	111.1	47 000	59.3	109.4	50 800	90.0
		94.0	54.7	108.0	41 200	57.1	106.2	44 800	94.0
		98.0	52.5	104.6	35 900	54.9	102.7	39 300	98.0
		102.0	50.2	100.9	31 100	52.5	99.0	34 200	102.0
		106.0	47.8	96.9	26 700	50.1	94.9	29 500	106.0
		110.0	45.3	92.5	22 500	47.5	90.4	25 200	110.0
		114.0	42.6	87.8	18 700	44.8	85.5	21 100	114.0
		118.0	39.8	82.5	15 100	41.9	80.1	17 300	118.0
		122.0	36.8	76.6	11 700	38.8	74.0	13 600	122.0
		126.0	33.5	70.0	8 500	35.4	67.2	10 200	126.0
		130.0	29.9	62.4	5 500	31.5	59.2	6 900	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

476 090 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

476 090 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
6 8 6	2 2 5	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	47 500	44.7	66.4	40 000*	98.0
		102.0	37.8	62.8	43 100	40.9	60.3	38 600*	102.0
		106.0	33.7	56.0	38 600	36.6	53.2	37 400*	106.0
		110.0				31.5	44.4	35 400	110.0
		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	50 500	52.0	83.3	43 600*	94.0
		98.0	45.9	80.9	45 200	49.0	78.8	42 000*	98.0
		102.0	42.8	76.0	40 400	45.9	73.7	40 500*	102.0
		106.0	39.5	70.6	36 000	42.5	68.1	37 900	106.0
		110.0	35.9	64.3	31 800	38.7	61.6	33 400	110.0
		114.0	31.9	57.1	27 900	34.5	54.0	29 200	114.0
		118.0				29.5	44.6	25 200	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

476 090 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	59 000	59.9	100.9	49 700*	86.0
		90.0	54.4	99.5	52 700	57.5	97.6	47 600*	90.0
		94.0	51.9	95.9	47 000	55.0	93.9	45 800*	94.0
		98.0	49.4	92.1	41 700	52.4	90.0	44 000	98.0
		102.0	46.8	87.8	36 900	49.7	85.7	39 600	102.0
		106.0	44.0	83.2	32 500	46.9	80.9	34 900	106.0
		110.0	41.0	78.0	28 400	43.8	75.5	30 500	110.0
8 3 · 8	2 7 5	114.0	37.8	72.3	24 500	40.5	69.6	26 400	114.0
		118.0	34.3	65.7	20 900	36.8	62.7	22 500	118.0
		122.0	30.4	58.1	17 500	32.7	54.6	18 800	122.0
		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	64 600	64.1	113.1	53 200*	82.0
		86.0	59.0	112.2	57 500	62.0	110.4	51 000*	86.0
		90.0	56.8	109.2	51 200	59.8	107.3	49 000*	90.0
		94.0	54.6	106.0	45 400	57.6	104.1	47 200*	94.0
		98.0	52.3	102.6	40 100	55.3	100.5	43 400	98.0
		102.0	50.0	98.8	35 200	52.8	96.7	38 300	102.0
		106.0	47.5	94.7	30 700	50.3	92.5	33 500	106.0
		110.0	45.0	90.2	26 600	47.7	87.9	29 100	110.0
		114.0	42.2	85.3	22 700	44.9	82.9	25 000	114.0
		118.0	39.3	79.9	19 100	41.9	77.2	21 100	118.0
		122.0	36.2	73.8	15 700	38.7	70.9	17 500	122.0
		126.0	32.8	66.9	12 500	35.1	63.7	14 000	126.0
		130.0				31.0	55.1	10 600	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

476 090 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	78 100	69.5	126.7	60 500*	74.0
		78.0	64.7	126.3	69 500	67.6	124.5	57 900*	78.0
		82.0	62.8	123.9	61 600	65.7	122.1	55 500*	82.0
		86.0	60.9	121.4	54 600	63.8	119.5	53 300*	86.0
		90.0	58.9	118.7	48 200	61.8	116.8	51 200	90.0
		94.0	56.9	115.8	42 400	59.7	113.8	46 400	94.0
		98.0	54.8	112.6	37 100	57.6	110.6	40 800	98.0
		102.0	52.7	109.2	32 300	55.4	107.1	35 700	102.0
		106.0	50.5	105.5	27 800	53.2	103.4	31 000	106.0
		110.0	48.2	101.5	23 600	50.9	99.3	26 600	110.0
		114.0	45.8	97.2	19 800	48.4	94.9	22 500	114.0
		118.0	43.3	92.5	16 200	45.8	90.0	18 700	118.0
		122.0	40.7	87.4	12 800	43.1	84.7	15 100	122.0
		126.0	37.8	81.7	9 600	40.2	78.8	11 600	126.0
		130.0	34.8	75.3	6 600	37.0	72.2	8 400	130.0
		134.0				33.5	64.6	5 300	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

476 090 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
5 3 3	1 7 5	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
		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
476 090 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	39 000*	42.4	65.4	32 900*	106.0
		110.0	35.5	61.2	35 100*	38.5	58.6	31 800*	110.0
		114.0	31.2	53.5	31 200*	34.0	50.4	30 800*	114.0
		118.0				28.5	40.2	28 300*	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	45 600*	52.7	87.8	37 600*	98.0
		102.0	46.8	85.5	41 000*	49.9	83.4	36 000*	102.0
		106.0	43.9	80.7	36 600*	47.0	78.4	34 700*	106.0
		110.0	40.8	75.3	32 400*	43.8	72.9	33 400*	110.0
		114.0	37.5	69.3	28 500*	40.3	66.7	30 300*	114.0
		118.0	33.8	62.4	24 900*	36.5	59.5	26 400*	118.0
		122.0				32.1	50.9	22 700*	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

476 090 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	53 300	60.2	105.4	43 000*	90.0
		94.0	54.8	104.0	47 600	57.9	102.1	41 100*	94.0
		98.0	52.5	100.4	42 300	55.6	98.5	39 400*	98.0
		102.0	50.1	96.6	37 500	53.1	94.5	37 900*	102.0
		106.0	47.5	92.4	33 100	50.5	90.2	36 000	106.0
		110.0	44.9	87.8	28 900	47.8	85.5	31 500	110.0
		114.0	42.1	82.7	25 100	44.9	80.3	27 400	114.0
8 3 - 8	2 7 5	118.0	39.1	77.1	21 500	41.8	74.5	23 600	118.0
		122.0	35.8	70.8	18 200	38.4	67.9	19 900	122.0
		126.0	32.2	63.5	15 000	34.7	60.3	16 500	126.0
		130.0				30.3	51.1	13 100	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	58 000	64.2	117.7	46 100*	86.0
		90.0	59.2	116.7	51 800	62.2	114.9	44 100*	90.0
		94.0	57.1	113.7	46 000	60.1	111.8	42 400*	94.0
		98.0	55.0	110.5	40 700	58.0	108.6	40 700*	98.0
		102.0	52.8	107.0	35 800	55.7	105.0	39 100	102.0
		106.0	50.6	103.3	31 300	53.4	101.2	34 500	106.0
		110.0	48.2	99.2	27 200	51.0	97.0	30 100	110.0
		114.0	45.8	94.8	23 300	48.5	92.5	26 000	114.0
		118.0	43.2	90.0	19 700	45.9	87.5	22 100	118.0
		122.0	40.5	84.6	16 300	43.1	82.1	18 500	122.0
		126.0	37.5	78.7	13 100	40.0	75.9	15 100	126.0
		130.0	34.4	72.1	10 100	36.7	69.0	11 800	130.0
		134.0	30.8	64.5	7 200	33.0	61.0	8 700	134.0
		138.0				28.6	51.3	5 600	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

476 090 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

476 090 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	32 500	40.1	63.9	27 700*	114.0
		118.0	33.0	59.2	29 000	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	38 000	50.7	88.0	31 700*	106.0
		110.0	44.6	85.4	33 700	47.9	83.2	30 400*	110.0
		114.0	41.7	80.2	29 900	44.9	77.8	29 300*	114.0
		118.0	38.6	74.4	26 300	41.7	71.8	28 100	118.0
		122.0	35.2	67.8	23 000	38.1	64.9	24 800	122.0
		126.0	31.4	60.1	19 800	34.2	56.9	21 300	126.0
		130.0				29.4	47.0	17 900	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

476 090 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	43 700	58.2	106.6	36 300*	98.0
		102.0	52.7	105.0	38 800	56.0	103.0	34 800*	102.0
		106.0	50.4	101.2	34 400	53.6	99.1	33 400*	106.0
		110.0	48.0	97.0	30 300	51.2	94.9	32 100*	110.0
		114.0	45.5	92.5	26 500	48.6	90.2	29 300	114.0
		118.0	42.9	87.5	22 900	45.9	85.1	25 500	118.0
8 3 - 8	2 7 5	122.0	40.1	82.0	19 600	43.0	79.5	21 900	122.0
		126.0	37.0	75.9	16 400	39.8	73.1	18 500	126.0
		130.0	33.7	69.0	13 400	36.4	65.9	15 300	130.0
		134.0	30.0	60.9	10 600	32.4	57.4	12 100	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	47 400	62.3	119.5	39 100*	94.0
		98.0	57.2	118.3	42 000	60.3	116.4	37 500*	98.0
		102.0	55.1	115.1	37 100	58.2	113.1	35 900*	102.0
		106.0	53.1	111.6	32 600	56.1	109.6	34 500*	106.0
		110.0	50.9	107.9	28 500	53.9	105.8	32 000	110.0
		114.0	48.7	103.8	24 600	51.6	101.6	27 900	114.0
		118.0	46.3	99.5	21 100	49.2	97.2	24 100	118.0
		122.0	43.9	94.7	17 700	46.7	92.3	20 500	122.0
		126.0	41.3	89.5	14 500	44.1	86.9	17 000	126.0
		130.0	38.5	83.7	11 500	41.2	81.0	13 800	130.0
		134.0	35.6	77.3	8 700	38.1	74.3	10 800	134.0
		138.0	32.3	70.1	6 000	34.7	66.7	7 800	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

476 090 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



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
476 090 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
		122.0	34.3	64.8	26 800	38.2	61.4	22 700*	122.0
		126.0	30.3	56.7	23 700	33.9	52.8	21 900*	126.0
		130.0				28.7	41.9	21 200	130.0
68.6	225	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	31 000	49.1	87.5	25 900*	114.0
		118.0	42.3	85.1	27 500	46.3	82.3	24 900*	118.0
		122.0	39.4	79.5	24 100	43.3	76.4	23 900*	122.0
		126.0	36.3	73.1	21 000	40.0	69.7	22 900	126.0
		130.0	32.8	65.9	18 000	36.3	62.1	19 700	130.0
		134.0	28.9	57.4	15 100	32.1	53.0	16 500	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

476 090 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	35 500	56.8	107.2	29 700*	106.0
		110.0	50.6	105.9	31 300	54.5	103.3	28 500*	110.0
		114.0	48.3	101.7	27 500	52.2	99.1	27 300*	114.0
		118.0	45.9	97.3	24 000	49.7	94.5	26 300*	118.0
		122.0	43.4	92.4	20 700	47.2	89.5	23 600	122.0
8 3 · 8	2 7 5	126.0	40.7	87.0	17 600	44.4	83.9	20 200	126.0
		130.0	37.9	81.1	14 600	41.4	77.7	17 000	130.0
		134.0	34.8	74.4	11 800	38.2	70.8	13 900	134.0
		138.0	31.4	66.8	9 200	34.6	62.7	10 900	138.0
		142.0				30.4	53.0	8 000	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	43 200	62.8	123.7	33 500*	98.0
		102.0	57.0	123.0	38 200	60.9	120.6	32 100*	102.0
		106.0	55.1	119.8	33 700	58.9	117.3	30 700*	106.0
		110.0	53.1	116.3	29 600	56.9	113.8	29 500*	110.0
		114.0	51.0	112.6	25 800	54.8	110.0	28 300*	114.0
		118.0	48.9	108.5	22 200	52.6	105.9	25 800	118.0
		122.0	46.7	104.2	18 800	50.3	101.4	22 100	122.0
		126.0	44.3	99.5	15 700	47.9	96.6	18 700	126.0
		130.0	41.9	94.4	12 700	45.4	91.3	15 500	130.0
		134.0	39.3	88.8	9 900	42.7	85.5	12 400	134.0
		138.0	36.5	82.6	7 200	39.7	79.0	9 500	138.0
		142.0				36.6	71.7	6 700	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

476 090 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

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
476 090 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
6 8 6	2 2 5	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
		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	22 800*	44.3	81.5	19 300*	126.0
		130.0	37.8	78.0	19 800*	41.2	75.1	18 400*	130.0
		134.0	34.6	71.1	17 000*	37.8	67.8	17 600*	134.0
		138.0	31.0	63.1	14 300*	34.0	59.4	15 700*	138.0
		142.0				29.5	49.0	12 800*	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

476 090 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	29 200*	54.9	108.0	24 200*	114.0
		118.0	49.1	106.2	25 500*	52.7	103.8	23 000*	118.0
		122.0	46.9	101.7	22 200*	50.3	99.3	21 800*	122.0
		126.0	44.5	96.9	19 000*	47.9	94.3	20 800*	126.0
8 3 · 8	2 7 5	130.0	41.9	91.7	16 100*	45.3	88.9	18 900*	130.0
		134.0	39.3	85.9	13 300*	42.5	82.9	15 800*	134.0
		138.0	36.4	79.4	10 600*	39.5	76.2	13 000*	138.0
		142.0	33.2	72.2	8 100*	36.1	68.6	10 200*	142.0
		146.0	29.6	63.7	5 700*	32.4	59.7	7 500*	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	31 600*	59.1	122.0	26 600*	110.0
		114.0	53.7	120.7	27 700*	57.1	118.4	25 300*	114.0
		118.0	51.7	117.0	24 100*	55.1	114.6	24 000*	118.0
		122.0	49.7	113.0	20 700*	53.0	110.6	22 900*	122.0
		126.0	47.5	108.7	17 500*	50.8	106.1	20 600*	126.0
		130.0	45.3	104.0	14 500*	48.5	101.4	17 400*	130.0
		134.0	43.0	99.0	11 800*	46.1	96.2	14 300*	134.0
		138.0	40.5	93.5	9 100*	43.6	90.5	11 500*	138.0
		142.0	37.9	87.4	6 600*	40.8	84.3	8 700*	142.0
		146.0				37.9	77.3	6 000*	146.0