

MANITOWOC ENGINEERING CO.

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



LIFTCRANE BOOM CAPACITIES WITH JIB ATTACHED

MEETS
ANSI B30.5
REQUIREMENTS

M-1200

**BOOM NO. 75A
MAST NO. 75 OR NO. 75A
JIB NO. 49A-44 WITH HEAVY LIFT TOP
SET AT 10 DEGREE OFFSET
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 AND 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 POINT SHEAVES, IS CONSIDERED PART OF MAIN BOOM LOAD. WEIGHT OF JIB AND 9 070 kg SUSPENDED BENEATH JIB POINT SHEAVES HAVE BEEN INCLUDED IN CAPACITY DETERMINATION. BOOM IS 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. DURING OPERATION, JIB MUST BE SET AT PROPER OFFSET ANGLE. REFER TO BOOM RIGGING NO. 173398 OR NO. 177315, JIB ASSEMBLY NO. 177023 AND WIRE ROPE SPECIFICATION CHART NO. 7683-H. 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. BOOM POINT ELEVATION IS VERTICAL DISTANCE FROM GROUND LEVEL TO CENTERLINE OF BOOM 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 BLOCKS 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. 7818-BM FOR JIB CAPACITIES.

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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 LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	BOOM CAPACITY KILOGRAMS
4 5 7	1 5 0	16.8	80.7	48.5	733 600*
		18.0	79.1	48.2	733 600*
		20.0	76.5	47.8	654 600
		22.0	73.9	47.2	546 000
		24.0	71.3	46.5	467 100
		26.0	68.6	45.8	406 200
		28.0	65.9	44.9	357 400
		30.0	63.1	43.9	317 700
		32.0	60.2	42.8	283 900
		34.0	57.2	41.5	253 800*
		36.0	54.1	40.1	228 100*
		38.0	50.9	38.5	205 900*
		40.0	47.6	36.7	186 400*
		42.0	44.0	34.7	169 300*
		44.0	40.2	32.4	154 100*
		46.0	36.0	29.7	139 300*
		48.0	31.4	26.6	119 800*
5 3 3	1 7 5	18.3	80.4	55.9	663 600*
		20.0	78.5	55.6	653 100
		22.0	76.3	55.1	546 700
		24.0	74.0	54.6	467 500
		26.0	71.8	53.9	406 500
		28.0	69.5	53.2	357 600
		30.0	67.2	52.3	317 800
		32.0	64.8	51.4	284 800
		34.0	62.4	50.4	254 500*
		36.0	59.9	49.2	228 700*
		38.0	57.4	48.0	206 400*
		40.0	54.8	46.6	186 800*
		42.0	52.1	45.1	169 600*
		44.0	49.2	43.4	154 400*
		46.0	46.3	41.5	140 800*
		48.0	43.2	39.4	128 500*
6 1 0	2 0 0	50.0	39.9	37.1	117 400*
		52.0	36.3	34.5	107 300*
		54.0	32.5	31.4	98 000*
		19.8	80.1	63.4	597 800*
		20.0	79.9	63.4	595 300
		22.0	78.0	63.0	553 500
		24.0	76.1	62.5	466 400
		26.0	74.1	61.9	405 400
		28.0	72.2	61.3	356 600
		30.0	70.2	60.6	316 800
		32.0	68.1	59.8	283 800
		34.0	66.1	58.9	253 800*
		36.0	64.0	57.9	228 000*
		38.0	61.9	56.9	205 600*
		40.0	59.7	55.7	186 100*
		42.0	57.5	54.5	168 900*
		44.0	55.2	53.1	153 600*
		46.0	52.9	51.6	140 000*
		48.0	50.4	50.0	127 700*
		50.0	47.9	48.2	116 600*
		52.0	45.3	46.3	106 600*
		54.0	42.6	44.1	97 300*
		56.0	39.7	41.8	88 900*
		58.0	36.6	39.2	81 100*
		60.0	33.2	36.2	73 900*
		62.0	29.5	32.8	67 300*

BOOM LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	BOOM CAPACITY KILOGRAMS
6 8 6	2 2 5	21.3	79.9	70.9	524 400*
		22.0	79.4	70.7	517 700
		24.0	77.7	70.3	471 300
		26.0	75.9	69.8	405 200
		28.0	74.2	69.3	356 300
		30.0	72.5	68.6	316 500
		32.0	70.7	67.9	283 400
		34.0	68.9	67.2	254 000*
		36.0	67.1	66.3	227 900*
		38.0	65.3	65.4	205 500*
		40.0	63.4	64.4	185 800*
		42.0	61.5	63.4	168 600*
		44.0	59.6	62.2	153 200*
		46.0	57.6	61.0	139 500*
		48.0	55.6	59.6	127 200*
		50.0	53.5	58.1	116 100*
7 6 2	2 5 0	52.0	51.4	56.6	106 000*
		54.0	49.2	54.9	96 700*
		56.0	46.9	53.0	88 200*
		58.0	44.5	51.0	80 400*
		60.0	42.1	48.9	73 300*
		62.0	39.5	46.5	66 600*
		64.0	36.7	43.9	60 400*
		66.0	33.8	41.0	54 600*
		68.0	30.6	37.7	49 200*
		21.3	81.0	78.6	458 800*
		22.0	80.5	78.5	456 800*
		24.0	78.9	78.1	450 700*
		26.0	77.4	77.7	404 600
		28.0	75.8	77.2	355 600
		30.0	74.3	76.6	315 700
		32.0	72.7	76.0	282 600
		34.0	71.1	75.3	253 600*
		36.0	69.5	74.6	227 300*
		38.0	67.9	73.8	204 700*
		40.0	66.2	72.9	185 000*
		42.0	64.6	72.0	167 600*
		44.0	62.9	71.0	152 200*
		46.0	61.2	69.9	138 500*
		48.0	59.4	68.7	126 100*
		50.0	57.7	67.4	114 900*
		52.0	55.9	66.1	104 800*
		54.0	54.0	64.7	95 500*
		56.0	52.1	63.1	87 000*
		58.0	50.2	61.5	79 200*
		60.0	48.2	59.7	71 900*
		62.0	46.1	57.8	65 300*
		64.0	43.9	55.8	59 100*
		66.0	41.7	53.6	53 300*
		68.0	39.3	51.2	47 900*

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476 090 kg AUXILIARY COUNTERWEIGHT

360 DEGREE RATING

30.5m (100 FT.) JIB

BOOM LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	BOOM CAPACITY KILOGRAMS
8 3 · 8	2 7 5	22.9	80.7	86.1	400 200*
		24.0	79.9	85.9	397 300*
		26.0	78.5	85.5	391 000
		28.0	77.1	85.0	356 100
		30.0	75.7	84.5	314 500
		32.0	74.3	84.0	281 400
		34.0	72.9	83.4	252 700*
		36.0	71.4	82.7	226 300*
		38.0	70.0	82.0	203 700*
		40.0	68.5	81.2	183 900*
		42.0	67.0	80.4	166 500*
		44.0	65.5	79.5	151 100*
		46.0	64.0	78.5	137 300*
		48.0	62.5	77.5	124 900*
		50.0	60.9	76.4	113 700*
		52.0	59.3	75.2	103 600*
		54.0	57.7	73.9	94 300*
		56.0	56.1	72.6	85 700*
		58.0	54.4	71.2	77 900*
		60.0	52.7	69.7	70 700*
9 1 · 4	3 0 0	62.0	50.9	68.1	64 000*
		64.0	49.1	66.4	57 800*
		66.0	47.3	64.5	52 000*
		24.4	80.5	93.6	344 000*
		26.0	79.5	93.3	336 200*
		28.0	78.2	92.8	326 600*
		30.0	76.9	92.4	311 300
		32.0	75.7	91.9	280 300
		34.0	74.4	91.3	251 800
		36.0	73.0	90.7	225 300*
		38.0	71.7	90.1	202 600*
		40.0	70.4	89.4	182 700*
		42.0	69.1	88.6	165 200*
		44.0	67.7	87.8	149 700*
		46.0	66.3	86.9	135 900*
		48.0	65.0	86.0	123 400*
		50.0	63.6	85.0	112 200*
		52.0	62.1	84.0	102 000*
		54.0	60.7	82.8	92 700*
		56.0	59.3	81.7	84 100*
		58.0	57.8	80.4	76 300*
		60.0	56.3	79.1	69 000*
		62.0	54.7	77.7	62 300*
		64.0	53.2	76.2	56 100*
		66.0	51.6	74.6	50 300*

BOOM LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	BOOM CAPACITY KILOGRAMS
9 9 · 1	3 2 5	25.9	80.4	101.0	285 400*
		26.0	80.3	101.0	285 000*
		28.0	79.2	100.6	277 000*
		30.0	78.0	100.2	268 900*
		32.0	76.8	99.7	260 800*
		34.0	75.6	99.2	250 300*
		36.0	74.4	98.7	224 900*
		38.0	73.2	98.1	201 700*
		40.0	72.0	97.4	181 700*
		42.0	70.7	96.7	164 200*
		44.0	69.5	96.0	148 600*
		46.0	68.3	95.2	134 700*
		48.0	67.0	94.4	122 200*
		50.0	65.7	93.5	110 900*
		52.0	64.5	92.5	100 600*
		54.0	63.2	91.5	91 300*
		56.0	61.9	90.5	82 700*
		58.0	60.5	89.3	74 900*
		60.0	59.2	88.2	67 600*
		62.0	57.8	86.9	60 900*
1 0 6 · 7	3 5 0	64.0	56.4	85.6	54 600*
		66.0	55.0	84.2	48 800*
		27.4	80.2	108.5	239 800*
		28.0	79.9	108.4	237 800*
		30.0	78.8	108.0	230 900*
		32.0	77.7	107.6	223 900*
		34.0	76.6	107.1	216 900*
		36.0	75.5	106.6	209 800*
		38.0	74.4	106.0	199 400*
		40.0	73.3	105.4	179 800*
		42.0	72.2	104.8	162 200*
		44.0	71.0	104.1	146 600*
		46.0	69.9	103.4	132 600*
		48.0	68.7	102.6	120 100*
		50.0	67.6	101.8	108 800*
		52.0	66.4	100.9	98 500*
		54.0	65.2	100.0	89 200*
		56.0	64.0	99.0	80 600*
		58.0	62.8	98.0	72 700*
		60.0	61.6	97.0	65 400*
		62.0	60.4	95.8	58 700*
		64.0	59.1	94.6	52 400*

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23 590 kg CRANE COUNTERWEIGHT

476 090 kg AUXILIARY COUNTERWEIGHT

360 DEGREE RATING

36.6m (120 FT.) JIB

BOOM LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	BOOM CAPACITY KILOGRAMS
4 5 7	1 5 0	16.8	80.7	48.5	735 500*
		18.0	79.1	48.2	735 500*
		20.0	76.5	47.8	647 600
		22.0	73.9	47.2	539 700
		24.0	71.3	46.5	461 000
		26.0	68.6	45.8	400 100
		28.0	65.9	44.9	351 400
		30.0	63.1	43.9	311 400
		32.0	60.2	42.8	276 200*
		34.0	57.2	41.5	246 100*
		36.0	54.1	40.1	220 500*
		38.0	50.9	38.5	198 400*
		40.0	47.6	36.7	179 000*
		42.0	44.0	34.7	161 900*
		44.0	40.2	32.4	146 800*
		46.0	36.0	29.7	132 100*
		48.0	31.4	26.6	112 600*
5 3 3	1 7 5	18.3	80.4	55.9	664 700*
		20.0	78.5	55.6	652 400
		22.0	76.3	55.1	540 500
		24.0	74.0	54.6	461 700
		26.0	71.8	53.9	400 700
		28.0	69.5	53.2	352 000
		30.0	67.2	52.3	312 300
		32.0	64.8	51.4	277 400
		34.0	62.4	50.4	247 300*
		36.0	59.9	49.2	221 500*
		38.0	57.4	48.0	199 300*
		40.0	54.8	46.6	179 800*
		42.0	52.1	45.1	162 700*
		44.0	49.2	43.4	147 500*
		46.0	46.3	41.5	133 900*
		48.0	43.2	39.4	121 700*
6 1 0	2 0 0	50.0	39.9	37.1	110 700*
		52.0	36.3	34.5	100 600*
		54.0	32.5	31.4	91 400*
		19.8	80.1	63.4	598 500*
		20.0	79.9	63.4	595 100
		22.0	78.0	63.0	546 800
		24.0	76.1	62.5	460 800
		26.0	74.1	61.9	399 900
		28.0	72.2	61.3	351 200
		30.0	70.2	60.6	311 600
		32.0	68.1	59.8	277 200
		34.0	66.1	58.9	246 900*
		36.0	64.0	57.9	221 200*
		38.0	61.9	56.9	198 900*
		40.0	59.7	55.7	179 400*
		42.0	57.5	54.5	162 300*
		44.0	55.2	53.1	147 100*
		46.0	52.9	51.6	133 500*
		48.0	50.4	50.0	121 300*
		50.0	47.9	48.2	110 200*
		52.0	45.3	46.3	100 200*
		54.0	42.6	44.1	91 000*
		56.0	39.7	41.8	82 600*
		58.0	36.6	39.2	74 900*
		60.0	33.2	36.2	67 700*
		62.0	29.5	32.8	61 100*

BOOM LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	BOOM CAPACITY KILOGRAMS
6 8 6	2 2 5	21.3	79.9	70.9	520 600*
		22.0	79.4	70.7	513 200
		24.0	77.7	70.3	465 700
		26.0	75.9	69.8	399 900
		28.0	74.2	69.3	351 200
		30.0	72.5	68.6	311 400
		32.0	70.7	67.9	277 700
		34.0	68.9	67.2	247 300*
		36.0	67.1	66.3	221 400*
		38.0	65.3	65.4	199 000*
		40.0	63.4	64.4	179 400*
		42.0	61.5	63.4	162 200*
		44.0	59.6	62.2	146 900*
		46.0	57.6	61.0	133 300*
		48.0	55.6	59.6	121 100*
		50.0	53.5	58.1	109 900*
7 6 2	2 5 0	52.0	51.4	56.6	99 800*
		54.0	49.2	54.9	90 700*
		56.0	46.9	53.0	82 200*
		58.0	44.5	51.0	74 500*
		60.0	42.1	48.9	67 300*
		62.0	39.5	46.5	60 700*
		64.0	36.7	43.9	54 500*
		66.0	33.8	41.0	48 700*
		21.3	81.0	78.6	456 100*
		22.0	80.5	78.5	454 100*
		24.0	78.9	78.1	447 900*
		26.0	77.4	77.7	399 500
		28.0	75.8	77.2	350 600
		30.0	74.3	76.6	310 800
		32.0	72.7	76.0	277 600
		34.0	71.1	75.3	247 100*
		36.0	69.5	74.6	221 000*
		38.0	67.9	73.8	198 500*
		40.0	66.2	72.9	178 900*
		42.0	64.6	72.0	161 600*
		44.0	62.9	71.0	146 200*
		46.0	61.2	69.9	132 500*
		48.0	59.4	68.7	120 200*
		50.0	57.7	67.4	109 000*
		52.0	55.9	66.1	98 900*
		54.0	54.0	64.7	89 700*
		56.0	52.1	63.1	81 200*
		58.0	50.2	61.5	73 400*
		60.0	48.2	59.7	66 200*
		62.0	46.1	57.8	59 500*
		64.0	43.9	55.8	53 400*

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BOOM NO. 75A

MAST NO. 75 OR NO. 75A

JIB NO. 49A-44 WITH HEAVY LIFT TOP

SET AT 10 DEGREE OFFSET

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 LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	BOOM CAPACITY KILOGRAMS
8 3 · 8	2 7 5	22.9	80.7	86.1	398 400*
		24.0	79.9	85.9	395 500*
		26.0	78.5	85.5	389 500
		28.0	77.1	85.0	350 700
		30.0	75.7	84.5	309 700
		32.0	74.3	84.0	276 700
		34.0	72.9	83.4	246 300*
		36.0	71.4	82.7	220 200*
		38.0	70.0	82.0	197 600*
		40.0	68.5	81.2	178 000*
		42.0	67.0	80.4	160 600*
		44.0	65.5	79.5	145 200*
		46.0	64.0	78.5	131 500*
		48.0	62.5	77.5	119 100*
		50.0	60.9	76.4	108 000*
		52.0	59.3	75.2	97 800*
		54.0	57.7	73.9	88 600*
		56.0	56.1	72.6	80 100*
		58.0	54.4	71.2	72 300*
		60.0	52.7	69.7	65 100*
		62.0	50.9	68.1	58 500*
		64.0	49.1	66.4	52 300*

BOOM LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	BOOM CAPACITY KILOGRAMS
9 1 · 4	3 0 0	24.4	80.5	93.6	345 200*
		26.0	79.5	93.3	338 000*
		28.0	78.2	92.8	328 000*
		30.0	76.9	92.4	309 200
		32.0	75.7	91.9	275 700
		34.0	74.4	91.3	245 700*
		36.0	73.0	90.7	219 400*
		38.0	71.7	90.1	196 700*
		40.0	70.4	89.4	176 900*
		42.0	69.1	88.6	159 500*
		44.0	67.7	87.8	144 100*
		46.0	66.3	86.9	130 300*
		48.0	65.0	86.0	117 900*
		50.0	63.6	85.0	106 600*
		52.0	62.1	84.0	96 500*
		54.0	60.7	82.8	87 200*
		56.0	59.3	81.7	78 700*
		58.0	57.8	80.4	70 800*
		60.0	56.3	79.1	63 600*
		62.0	54.7	77.7	56 900*
		64.0	53.2	76.2	50 700*

MANITOWOC ENGINEERING CO.

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



LIFT CRANE BOOM CAPACITIES WITH JIB ATTACHED

MEETS
ANSI B30.5
REQUIREMENTS

M-1200

BOOM NO. 75A

MAST NO. 75 OR NO. 75A

JIB NO. 49A-44 WITH HEAVY LIFT TOP

SET AT 10 DEGREE OFFSET

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 LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	BOOM CAPACITY KILOGRAMS
4 5 7	1 5 0	16.8	80.7	48.5	721 800*
		18.0	79.1	48.2	721 800*
		20.0	76.5	47.8	640 200
		22.0	73.9	47.2	532 300
		24.0	71.3	46.5	453 800
		26.0	68.6	45.8	393 200
		28.0	65.9	44.9	344 500
		30.0	63.1	43.9	303 000*
		32.0	60.2	42.8	267 400*
		34.0	57.2	41.5	237 500*
		36.0	54.1	40.1	212 000*
		38.0	50.9	38.5	189 900*
		40.0	47.6	36.7	170 600*
		42.0	44.0	34.7	153 700*
		44.0	40.2	32.4	138 600*
		46.0	36.0	29.7	124 000*
		48.0	31.4	26.6	104 600*
5 3 3	1 7 5	18.3	80.4	55.9	652 000*
		20.0	78.5	55.6	645 300
		22.0	76.3	55.1	533 400
		24.0	74.0	54.6	454 800
		26.0	71.8	53.9	394 100
		28.0	69.5	53.2	345 500
		30.0	67.2	52.3	304 800
		32.0	64.8	51.4	269 100*
		34.0	62.4	50.4	239 100*
		36.0	59.9	49.2	213 500*
		38.0	57.4	48.0	191 300*
		40.0	54.8	46.6	172 000*
		42.0	52.1	45.1	154 900*
		44.0	49.2	43.4	139 800*
		46.0	46.3	41.5	126 300*
		48.0	43.2	39.4	114 200*
6 1 0	2 0 0	50.0	39.9	37.1	103 200*
		52.0	36.3	34.5	93 200*
		54.0	32.5	31.4	84 100*
		19.8	80.1	63.4	586 800*
		20.0	79.9	63.4	584 000
		22.0	78.0	63.0	540 600
		24.0	76.1	62.5	454 200
		26.0	74.1	61.9	393 600
		28.0	72.2	61.3	345 000
		30.0	70.2	60.6	304 700
		32.0	68.1	59.8	269 200*
		34.0	66.1	58.9	239 100*
		36.0	64.0	57.9	213 500*
		38.0	61.9	56.9	191 300*
		40.0	59.7	55.7	171 900*
		42.0	57.5	54.5	154 900*
		44.0	55.2	53.1	139 800*
		46.0	52.9	51.6	126 200*
		48.0	50.4	50.0	114 100*
		50.0	47.9	48.2	103 100*
		52.0	45.3	46.3	93 100*
		54.0	42.6	44.1	84 000*
		56.0	39.7	41.8	75 700*
		58.0	36.6	39.2	68 000*
		60.0	33.2	36.2	60 900*
		62.0	29.5	32.8	54 300*

BOOM LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	BOOM CAPACITY KILOGRAMS
6 8 6	2 2 5	21.3	79.9	70.9	517 000*
		22.0	79.4	70.7	508 300
		24.0	77.7	70.3	459 100
		26.0	75.9	69.8	393 800
		28.0	74.2	69.3	345 200
		30.0	72.5	68.6	305 300
		32.0	70.7	67.9	270 000*
		34.0	68.9	67.2	239 800*
		36.0	67.1	66.3	214 000*
		38.0	65.3	65.4	191 700*
		40.0	63.4	64.4	172 300*
		42.0	61.5	63.4	155 100*
		44.0	59.6	62.2	139 900*
		46.0	57.6	61.0	126 400*
		48.0	55.6	59.6	114 100*
		50.0	53.5	58.1	103 100*
7 6 2	2 5 0	52.0	51.4	56.6	93 100*
		54.0	49.2	54.9	83 900*
		56.0	46.9	53.0	75 500*
		58.0	44.5	51.0	67 800*
		60.0	42.1	48.9	60 700*
		62.0	39.5	46.5	54 100*
		64.0	36.7	43.9	48 000*
		21.3	81.0	78.6	451 500*
		22.0	80.5	78.5	449 500*
		24.0	78.9	78.1	443 200
		26.0	77.4	77.7	393 600
		28.0	75.8	77.2	344 900
		30.0	74.3	76.6	305 200
		32.0	72.7	76.0	270 300
		34.0	71.1	75.3	239 900*
		36.0	69.5	74.6	213 900*
		38.0	67.9	73.8	191 500*
		40.0	66.2	72.9	172 000*
		42.0	64.6	72.0	154 700*
		44.0	62.9	71.0	139 500*
		46.0	61.2	69.9	125 800*
		48.0	59.4	68.7	113 500*
		50.0	57.7	67.4	102 500*
		52.0	55.9	66.1	92 400*
		54.0	54.0	64.7	83 200*
		56.0	52.1	63.1	74 800*
		58.0	50.2	61.5	67 000*
		60.0	48.2	59.7	59 900*
		62.0	46.1	57.8	53 200*
		64.0	43.9	55.8	47 100*

MANITOWOC ENGINEERING CO.

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



LIFTCRANE BOOM CAPACITIES WITH JIB ATTACHED

MEETS
ANSI B30.5
REQUIREMENTS

M-1200

BOOM NO. 75A

MAST NO. 75 OR NO. 75A

JIB NO. 49A-44 WITH HEAVY LIFT TOP

SET AT 10 DEGREE OFFSET

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 LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	BOOM CAPACITY KILOGRAMS
8 3 · 8	2 7 5	22.9	80.7	86.1	393 100*
		24.0	79.9	85.9	389 800*
		26.0	78.5	85.5	382 600
		28.0	77.1	85.0	345 200
		30.0	75.7	84.5	304 200
		32.0	74.3	84.0	269 600
		34.0	72.9	83.4	239 200*
		36.0	71.4	82.7	213 200*
		38.0	70.0	82.0	190 800*
		40.0	68.5	81.2	171 200*
		42.0	67.0	80.4	153 900*
		44.0	65.5	79.5	138 600*
		46.0	64.0	78.5	124 900*
		48.0	62.5	77.5	112 700*
		50.0	60.9	76.4	101 500*
		52.0	59.3	75.2	91 500*
		54.0	57.7	73.9	82 200*
		56.0	56.1	72.6	73 800*
		58.0	54.4	71.2	66 100*
		60.0	52.7	69.7	58 900*
		62.0	50.9	68.1	52 300*
		64.0	49.1	66.4	46 100*

BOOM LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	BOOM CAPACITY KILOGRAMS
9 1 · 4	3 0 0	24.4	80.5	93.6	337 300*
		26.0	79.5	93.3	329 300*
		28.0	78.2	92.8	319 300*
		30.0	76.9	92.4	302 500
		32.0	75.7	91.9	269 400
		34.0	74.4	91.3	238 800*
		36.0	73.0	90.7	212 600*
		38.0	71.7	90.1	190 100*
		40.0	70.4	89.4	170 400*
		42.0	69.1	88.6	153 000*
		44.0	67.7	87.8	137 700*
		46.0	66.3	86.9	123 900*
		48.0	65.0	86.0	111 600*
		50.0	63.6	85.0	100 400*
		52.0	62.1	84.0	90 300*
		54.0	60.7	82.8	81 000*
		56.0	59.3	81.7	72 500*
		58.0	57.8	80.4	64 800*
		60.0	56.3	79.1	57 600*
		62.0	54.7	77.7	50 900*

MANITOWOC ENGINEERING CO.

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LIFT CRANE BOOM CAPACITIES WITH JIB ATTACHED

MEETS
ANSI B30.5
REQUIREMENTS

M-1200

BOOM NO. 75A

MAST NO. 75 OR NO. 75A

JIB NO. 49A-44 WITH HEAVY LIFT TOP

SET AT 10 DEGREE OFFSET

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 LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	BOOM CAPACITY KILOGRAMS
4 5 7	1 5 0	16.8	80.7	48.5	709 700*
		18.0	79.1	48.2	709 700*
		20.0	76.5	47.8	633 300
		22.0	73.9	47.2	525 500
		24.0	71.3	46.5	447 200
		26.0	68.6	45.8	386 800
		28.0	65.9	44.9	337 400*
		30.0	63.1	43.9	294 500*
		32.0	60.2	42.8	259 300*
		34.0	57.2	41.5	229 500*
		36.0	54.1	40.1	204 100*
		38.0	50.9	38.5	182 200*
		40.0	47.6	36.7	163 000*
		42.0	44.0	34.7	146 100*
		44.0	40.2	32.4	131 100*
		46.0	36.0	29.7	116 600*
		48.0	31.4	26.6	97 300*
5 3 3	1 7 5	18.3	80.4	55.9	641 000*
		20.0	78.5	55.6	630 800
		22.0	76.3	55.1	527 300
		24.0	74.0	54.6	448 600
		26.0	71.8	53.9	388 000
		28.0	69.5	53.2	339 200
		30.0	67.2	52.3	296 900*
		32.0	64.8	51.4	261 500*
		34.0	62.4	50.4	231 600*
		36.0	59.9	49.2	206 000*
		38.0	57.4	48.0	184 000*
		40.0	54.8	46.6	164 800*
		42.0	52.1	45.1	147 800*
		44.0	49.2	43.4	132 800*
		46.0	46.3	41.5	119 300*
		48.0	43.2	39.4	107 200*
6 1 0	2 0 0	50.0	39.9	37.1	96 300*
		52.0	36.3	34.5	86 400*
		54.0	32.5	31.4	77 300*
		19.8	80.1	63.4	577 100*
		20.0	79.9	63.4	574 800
		22.0	78.0	63.0	534 700
		24.0	76.1	62.5	448 200
		26.0	74.1	61.9	387 800
		28.0	72.2	61.3	339 200
		30.0	70.2	60.6	297 700*
		32.0	68.1	59.8	262 000*
		34.0	66.1	58.9	232 100*
		36.0	64.0	57.9	206 500*
		38.0	61.9	56.9	184 400*
		40.0	59.7	55.7	165 200*
		42.0	57.5	54.5	148 200*
		44.0	55.2	53.1	133 100*
		46.0	52.9	51.6	119 700*
		48.0	50.4	50.0	107 600*
		50.0	47.9	48.2	96 600*
		52.0	45.3	46.3	86 700*
		54.0	42.6	44.1	77 600*
		56.0	39.7	41.8	69 300*
		58.0	36.6	39.2	61 700*
		60.0	33.2	36.2	54 600*

BOOM LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	BOOM CAPACITY KILOGRAMS
6 8 6	2 2 5	21.3	79.9	70.9	514 900*
		22.0	79.4	70.7	504 600
		24.0	77.7	70.3	453 000
		26.0	75.9	69.8	388 300
		28.0	74.2	69.3	339 800
		30.0	72.5	68.6	299 000
		32.0	70.7	67.9	263 100*
		34.0	68.9	67.2	233 000*
		36.0	67.1	66.3	207 300*
		38.0	65.3	65.4	185 100*
		40.0	63.4	64.4	165 800*
		42.0	61.5	63.4	148 700*
		44.0	59.6	62.2	133 600*
		46.0	57.6	61.0	120 100*
		48.0	55.6	59.6	107 900*
		50.0	53.5	58.1	96 900*
7 6 2	2 5 0	52.0	51.4	56.6	86 900*
		54.0	49.2	54.9	77 800*
		56.0	46.9	53.0	69 500*
		58.0	44.5	51.0	61 800*
		60.0	42.1	48.9	54 700*
		62.0	39.5	46.5	48 200*
		21.3	81.0	78.6	448 200*
		22.0	80.5	78.5	445 800*
		24.0	78.9	78.1	437 900
		26.0	77.4	77.7	388 300
		28.0	75.8	77.2	339 800
		30.0	74.3	76.6	299 300
		32.0	72.7	76.0	263 600*
		34.0	71.1	75.3	233 400*
		36.0	69.5	74.6	207 500*
		38.0	67.9	73.8	185 200*
8 3 8	2 7 5	40.0	66.2	72.9	165 800*
		42.0	64.6	72.0	148 600*
		44.0	62.9	71.0	133 400*
		46.0	61.2	69.9	119 800*
		48.0	59.4	68.7	107 600*
		50.0	57.7	67.4	96 500*
		52.0	55.9	66.1	86 500*
		54.0	54.0	64.7	77 400*
		56.0	52.1	63.1	69 000*
		58.0	50.2	61.5	61 300*
		60.0	48.2	59.7	54 200*
		62.0	46.1	57.8	47 600*
		22.9	80.7	86.1	387 100*
		24.0	79.9	85.9	383 500*
		26.0	78.5	85.5	376 200
		28.0	77.1	85.0	340 200
		30.0	75.7	84.5	298 700
		32.0	74.3	84.0	263 100*
		34.0	72.9	83.4	232 800*
		36.0	71.4	82.7	206 900*
		38.0	70.0	82.0	184 600*
		40.0	68.5	81.2	165 100*
		42.0	67.0	80.4	147 900*
		44.0	65.5	79.5	132 700*
		46.0	64.0	78.5	119 100*
		48.0	62.5	77.5	106 800*
		50.0	60.9	76.4	95 800*
		52.0	59.3	75.2	85 700*
		54.0	57.7	73.9	76 600*
		56.0	56.1	72.6	68 200*
		58.0	54.4	71.2	60 500*
		60.0	52.7	69.7	53 300*

MANITOWOC ENGINEERING CO.

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



LIFTCRANE BOOM CAPACITIES WITH JIB ATTACHED

MEETS
ANSI B30.5
REQUIREMENTS

M-1200

BOOM NO. 75A

MAST NO. 75 OR NO. 75A

JIB NO. 49A-44 WITH HEAVY LIFT TOP

SET AT 10 DEGREE OFFSET

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 LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	BOOM CAPACITY KILOGRAMS
9 1 · 4	3 0 0	24.4	80.5	93.6	330 200*
		26.0	79.5	93.3	322 200*
		28.0	78.2	92.8	312 200*
		30.0	76.9	92.4	296 500*
		32.0	75.7	91.9	263 200*
		34.0	74.4	91.3	232 600*
		36.0	73.0	90.7	206 600*
		38.0	71.7	90.1	184 100*
		40.0	70.4	89.4	164 500*
		42.0	69.1	88.6	147 200*
		44.0	67.7	87.8	131 900*
		46.0	66.3	86.9	118 300*
		48.0	65.0	86.0	106 000*
		50.0	63.6	85.0	94 900*
		52.0	62.1	84.0	84 800*
		54.0	60.7	82.8	75 600*
		56.0	59.3	81.7	67 100*
		58.0	57.8	80.4	59 400*
		60.0	56.3	79.1	52 200*

MANITOWOC ENGINEERING CO.

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LIFT CRANE BOOM CAPACITIES WITH JIB ATTACHED

MEETS
ANSI B30.5
REQUIREMENTS

M-1200

BOOM NO. 75A

MAST NO. 75 OR NO. 75A

JIB NO. 49A-44 WITH HEAVY LIFT TOP

SET AT 10 DEGREE OFFSET

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 LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	BOOM CAPACITY KILOGRAMS
4 5 7	1 5 0	16.8	80.7	48.5	695 400*
		18.0	79.1	48.2	695 400*
		20.0	76.5	47.8	625 800
		22.0	73.9	47.2	517 900
		24.0	71.3	46.5	439 900
		26.0	68.6	45.8	379 500
		28.0	65.9	44.9	327 600*
		30.0	63.1	43.9	285 200*
		32.0	60.2	42.8	250 200*
		34.0	57.2	41.5	220 500*
		36.0	54.1	40.1	195 200*
		38.0	50.9	38.5	173 400*
		40.0	47.6	36.7	154 300*
		42.0	44.0	34.7	137 500*
		44.0	40.2	32.4	122 600*
		46.0	36.0	29.7	108 200*
		48.0	31.4	26.6	88 900*
5 3 3	1 7 5	18.3	80.4	55.9	627 800*
		20.0	78.5	55.6	618 400
		22.0	76.3	55.1	520 800
		24.0	74.0	54.6	441 600
		26.0	71.8	53.9	381 200
		28.0	69.5	53.2	330 900*
		30.0	67.2	52.3	288 100*
		32.0	64.8	51.4	252 900*
		34.0	62.4	50.4	223 100*
		36.0	59.9	49.2	197 700*
		38.0	57.4	48.0	175 800*
		40.0	54.8	46.6	156 600*
		42.0	52.1	45.1	139 700*
		44.0	49.2	43.4	124 800*
		46.0	46.3	41.5	111 400*
		48.0	43.2	39.4	99 400*
6 1 0	2 0 0	50.0	39.9	37.1	88 500*
		52.0	36.3	34.5	78 700*
		54.0	32.5	31.4	69 700*
		19.8	80.1	63.4	565 000*
		20.0	79.9	63.4	563 300
		22.0	78.0	63.0	528 400
		24.0	76.1	62.5	441 600
		26.0	74.1	61.9	381 300
		28.0	72.2	61.3	332 200*
		30.0	70.2	60.6	289 200*
		32.0	68.1	59.8	253 900*
		34.0	66.1	58.9	224 100*
		36.0	64.0	57.9	198 600*
		38.0	61.9	56.9	176 600*
		40.0	59.7	55.7	157 500*
		42.0	57.5	54.5	140 600*
		44.0	55.2	53.1	125 600*
		46.0	52.9	51.6	112 200*
		48.0	50.4	50.0	100 100*
		50.0	47.9	48.2	89 300*
		52.0	45.3	46.3	79 400*
		54.0	42.6	44.1	70 400*
		56.0	39.7	41.8	62 200*
		58.0	36.6	39.2	54 600*

BOOM LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	BOOM CAPACITY KILOGRAMS
6 8 6	2 2 5	21.3	79.9	70.9	506 900*
		22.0	79.4	70.7	497 200
		24.0	77.7	70.3	446 800
		26.0	75.9	69.8	382 100
		28.0	74.2	69.3	333 300
		30.0	72.5	68.6	291 000*
		32.0	70.7	67.9	255 300*
		34.0	68.9	67.2	225 400*
		36.0	67.1	66.3	199 800*
		38.0	65.3	65.4	177 700*
		40.0	63.4	64.4	158 400*
		42.0	61.5	63.4	141 500*
		44.0	59.6	62.2	126 400*
		46.0	57.6	61.0	113 000*
		48.0	55.6	59.6	100 800*
		50.0	53.5	58.1	89 900*
7 6 2	2 5 0	52.0	51.4	56.6	80 000*
		54.0	49.2	54.9	70 900*
		56.0	46.9	53.0	62 600*
		58.0	44.5	51.0	55 000*
		21.3	81.0	78.6	440 600*
		22.0	80.5	78.5	438 000*
		24.0	78.9	78.1	430 200*
		26.0	77.4	77.7	382 400
		28.0	75.8	77.2	333 800
		30.0	74.3	76.6	292 200*
		32.0	72.7	76.0	256 200*
		34.0	71.1	75.3	226 100*
		36.0	69.5	74.6	200 300*
		38.0	67.9	73.8	178 100*
		40.0	66.2	72.9	158 700*
		42.0	64.6	72.0	141 700*
8 3 8	2 7 5	44.0	62.9	71.0	126 500*
		46.0	61.2	69.9	113 000*
		48.0	59.4	68.7	100 800*
		50.0	57.7	67.4	89 800*
		52.0	55.9	66.1	79 900*
		54.0	54.0	64.7	70 700*
		56.0	52.1	63.1	62 400*
		58.0	50.2	61.5	54 700*
		22.9	80.7	86.1	374 900*
		24.0	79.9	85.9	371 300*
		26.0	78.5	85.5	364 400
		28.0	77.1	85.0	335 300
		30.0	75.7	84.5	292 100*
		32.0	74.3	84.0	256 000*
		34.0	72.9	83.4	225 800*
		36.0	71.4	82.7	200 000*
		38.0	70.0	82.0	177 700*
		40.0	68.5	81.2	158 300*
		42.0	67.0	80.4	141 200*
		44.0	65.5	79.5	126 000*
		46.0	64.0	78.5	112 500*
		48.0	62.5	77.5	100 300*
		50.0	60.9	76.4	89 300*
		52.0	59.3	75.2	79 300*
		54.0	57.7	73.9	70 200*
		56.0	56.1	72.6	61 800*
		58.0	54.4	71.2	54 100*

MANITOWOC ENGINEERING CO.

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



LIFTCRANE BOOM CAPACITIES WITH JIB ATTACHED

MEETS
ANSI B30.5
REQUIREMENTS

M-1200

BOOM NO. 75A

MAST NO. 75 OR NO. 75A

JIB NO. 49A-44 WITH HEAVY LIFT TOP

SET AT 10 DEGREE OFFSET

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 LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	BOOM CAPACITY KILOGRAMS	BOOM LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	BOOM CAPACITY KILOGRAMS
4 5 7	1 5 0	16.8	80.7	48.5	685 400*	6 8 6	2 2 5	21.3	79.9	70.9	498 800*
		18.0	79.1	48.2	685 400*			22.0	79.4	70.7	490 600
		20.0	76.5	47.8	620 100			24.0	77.7	70.3	442 400
		22.0	73.9	47.2	512 300			26.0	75.9	69.8	377 600
		24.0	71.3	46.5	434 400			28.0	74.2	69.3	328 100*
		26.0	68.6	45.8	372 700*			30.0	72.5	68.6	285 000*
		28.0	65.9	44.9	320 600*			32.0	70.7	67.9	249 700*
		30.0	63.1	43.9	278 300*			34.0	68.9	67.2	219 800*
		32.0	60.2	42.8	243 300*			36.0	67.1	66.3	194 200*
		34.0	57.2	41.5	213 700*			38.0	65.3	65.4	172 200*
		36.0	54.1	40.1	188 500*			40.0	63.4	64.4	153 000*
		38.0	50.9	38.5	166 700*			42.0	61.5	63.4	136 100*
		40.0	47.6	36.7	147 700*			44.0	59.6	62.2	121 100*
		42.0	44.0	34.7	131 000*			46.0	57.6	61.0	107 700*
		44.0	40.2	32.4	116 100*			48.0	55.6	59.6	95 600*
		46.0	36.0	29.7	101 700*	7 6 2	2 5 0	50.0	53.5	58.1	84 700*
5 3 3	1 7 5	48.0	31.4	26.6	82 500*			52.0	51.4	56.6	74 800*
		18.3	80.4	55.9	618 200*			54.0	49.2	54.9	65 800*
		20.0	78.5	55.6	609 300			56.0	46.9	53.0	57 500*
		22.0	76.3	55.1	515 900			21.3	81.0	78.6	435 100*
		24.0	74.0	54.6	436 400			22.0	80.5	78.5	432 500*
		26.0	71.8	53.9	376 100			24.0	78.9	78.1	424 700*
		28.0	69.5	53.2	324 000*			26.0	77.4	77.7	378 200
		30.0	67.2	52.3	281 600*			28.0	75.8	77.2	329 200
		32.0	64.8	51.4	246 400*			30.0	74.3	76.6	286 500*
		34.0	62.4	50.4	216 800*			32.0	72.7	76.0	250 800*
		36.0	59.9	49.2	191 500*			34.0	71.1	75.3	220 700*
		38.0	57.4	48.0	169 600*			36.0	69.5	74.6	195 100*
		40.0	54.8	46.6	150 500*			38.0	67.9	73.8	173 000*
		42.0	52.1	45.1	133 700*	8 3 8	2 7 5	40.0	66.2	72.9	153 600*
6 1 0	2 0 0	44.0	49.2	43.4	118 800*			42.0	64.6	72.0	136 600*
		46.0	46.3	41.5	105 500*			44.0	62.9	71.0	121 500*
		48.0	43.2	39.4	93 500*			46.0	61.2	69.9	108 000*
		50.0	39.9	37.1	82 700*			48.0	59.4	68.7	95 800*
		52.0	36.3	34.5	72 900*			50.0	57.7	67.4	84 900*
		54.0	32.5	31.4	63 900*			52.0	55.9	66.1	75 000*
		19.8	80.1	63.4	556 100*			54.0	54.0	64.7	65 900*
		20.0	79.9	63.4	554 900			56.0	52.1	63.1	57 600*
		22.0	78.0	63.0	523 800			22.9	80.7	86.1	369 200*
		24.0	76.1	62.5	436 700			24.0	79.9	85.9	365 600*
		26.0	74.1	61.9	376 500			26.0	78.5	85.5	358 700
		28.0	72.2	61.3	325 700*			28.0	77.1	85.0	331 000
		30.0	70.2	60.6	283 000*			30.0	75.7	84.5	286 600*
		32.0	68.1	59.8	247 900*			32.0	74.3	84.0	250 700*
		34.0	66.1	58.9	218 100*			34.0	72.9	83.4	220 600*
		36.0	64.0	57.9	192 700*			36.0	71.4	82.7	194 900*
		38.0	61.9	56.9	170 800*			38.0	70.0	82.0	172 700*
		40.0	59.7	55.7	151 700*			40.0	68.5	81.2	153 300*
		42.0	57.5	54.5	134 900*			42.0	67.0	80.4	136 300*
		44.0	55.2	53.1	119 900*			44.0	65.5	79.5	121 100*
		46.0	52.9	51.6	106 600*			46.0	64.0	78.5	107 600*
		48.0	50.4	50.0	94 600*			48.0	62.5	77.5	95 500*
		50.0	47.9	48.2	83 800*			50.0	60.9	76.4	84 500*
		52.0	45.3	46.3	74 000*			52.0	59.3	75.2	74 500*
		54.0	42.6	44.1	65 000*			54.0	57.7	73.9	65 500*
		56.0	39.7	41.8	56 700*			56.0	56.1	72.6	57 200*

MANITOWOC ENGINEERING CO.

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



LIFT CRANE BOOM CAPACITIES WITH JIB ATTACHED

MEETS
ANSI B30.5
REQUIREMENTS

M-1200

BOOM NO. 75A

MAST NO. 75 OR NO. 75A

JIB NO. 49A-44 WITH HEAVY LIFT TOP

SET AT 10 DEGREE OFFSET

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 LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	BOOM CAPACITY KILOGRAMS
4 5 7	1 5 0	16.8	80.7	48.5	674 900*
		18.0	79.1	48.2	674 900*
		20.0	76.5	47.8	614 600
		22.0	73.9	47.2	506 600
		24.0	71.3	46.5	428 900
		26.0	68.6	45.8	365 300*
		28.0	65.9	44.9	313 400*
		30.0	63.1	43.9	271 200*
		32.0	60.2	42.8	236 300*
		34.0	57.2	41.5	206 800*
		36.0	54.1	40.1	181 600*
		38.0	50.9	38.5	159 900*
		40.0	47.6	36.7	140 900*
		42.0	44.0	34.7	124 200*
		44.0	40.2	32.4	109 400*
		46.0	36.0	29.7	95 100*
		48.0	31.4	26.6	75 900*
5 3 3	1 7 5	18.3	80.4	55.9	608 600*
		20.0	78.5	55.6	603 500
		22.0	76.3	55.1	511 200
		24.0	74.0	54.6	431 200
		26.0	71.8	53.9	369 400*
		28.0	69.5	53.2	317 300*
		30.0	67.2	52.3	275 000*
		32.0	64.8	51.4	239 900*
		34.0	62.4	50.4	210 300*
		36.0	59.9	49.2	185 100*
		38.0	57.4	48.0	163 300*
		40.0	54.8	46.6	144 200*
		42.0	52.1	45.1	127 500*
		44.0	49.2	43.4	112 600*
		46.0	46.3	41.5	99 300*
		48.0	43.2	39.4	87 400*
6 1 0	2 0 0	50.0	39.9	37.1	76 600*
		52.0	36.3	34.5	66 900*
		54.0	32.5	31.4	57 900*
		19.8	80.1	63.4	547 300*
		20.0	79.9	63.4	546 500
		22.0	78.0	63.0	519 200
		24.0	76.1	62.5	431 800
		26.0	74.1	61.9	371 600*
		28.0	72.2	61.3	319 200*
		30.0	70.2	60.6	276 800*
		32.0	68.1	59.8	241 700*
		34.0	66.1	58.9	212 100*
		36.0	64.0	57.9	186 800*
		38.0	61.9	56.9	164 900*
		40.0	59.7	55.7	145 900*
		42.0	57.5	54.5	129 100*
8 3 8	2 7 5	44.0	55.2	53.1	114 200*
		46.0	52.9	51.6	100 900*
		48.0	50.4	50.0	88 900*
		50.0	47.9	48.2	78 100*
		52.0	45.3	46.3	68 300*
		54.0	42.6	44.1	59 400*
		56.0	39.7	41.8	51 200*
		22.9	80.7	86.1	363 600*
		24.0	79.9	85.9	360 000*
		26.0	78.5	85.5	352 600
		28.0	77.1	85.0	326 800
		30.0	75.7	84.5	281 000*
		32.0	74.3	84.0	245 400*
		34.0	72.9	83.4	215 400*
		36.0	71.4	82.7	189 700*
		38.0	70.0	82.0	167 600*
6 8 6	2 2 5	40.0	68.5	81.2	148 300*
		42.0	67.0	80.4	131 300*
		44.0	65.5	79.5	116 200*
		46.0	64.0	78.5	102 700*
		48.0	62.5	77.5	90 600*
		50.0	60.9	76.4	79 700*
		52.0	59.3	75.2	69 700*
		54.0	57.7	73.9	60 700*
		56.0	56.1	72.6	52 400*
		21.3	79.9	70.9	490 700*
		22.0	79.4	70.7	484 000
		24.0	77.7	70.3	438 100
		26.0	75.9	69.8	373 000
		28.0	74.2	69.3	322 000*
		30.0	72.5	68.6	279 200*
		32.0	70.7	67.9	243 900*
7 6 2	2 5 0	34.0	68.9	67.2	214 100*
		36.0	67.1	66.3	188 700*
		38.0	65.3	65.4	166 700*
		40.0	63.4	64.4	147 500*
		42.0	61.5	63.4	130 700*
		44.0	59.6	62.2	115 700*
		46.0	57.6	61.0	102 300*
		48.0	55.6	59.6	90 300*
		50.0	53.5	58.1	79 400*
		52.0	51.4	56.6	69 600*
		54.0	49.2	54.9	60 600*
		56.0	46.9	53.0	52 300*
		21.3	81.0	78.6	429 600*
		22.0	80.5	78.5	427 100*
		24.0	78.9	78.1	419 200*
		26.0	77.4	77.7	373 900
8 3 8	2 7 5	28.0	75.8	77.2	324 200*
		30.0	74.3	76.6	280 900*
		32.0	72.7	76.0	245 400*
		34.0	71.1	75.3	215 400*
		36.0	69.5	74.6	189 800*
		38.0	67.9	73.8	167 700*
		40.0	66.2	72.9	148 400*
		42.0	64.6	72.0	131 400*
		44.0	62.9	71.0	116 400*
		46.0	61.2	69.9	102 900*
		48.0	59.4	68.7	90 800*
		50.0	57.7	67.4	79 900*
		52.0	55.9	66.1	70 000*
		54.0	54.0	64.7	60 900*
		56.0	52.1	63.1	52 700*

MANITOWOC ENGINEERING CO.

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LIFT CRANE BOOM CAPACITIES WITH JIB ATTACHED

MEETS
ANSI B30.5
REQUIREMENTS

M-1200

BOOM NO. 75A

MAST NO. 75 OR NO. 75A

JIB NO. 49A-44 WITH HEAVY LIFT TOP

SET AT 10 DEGREE OFFSET

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 LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	BOOM CAPACITY KILOGRAMS
4 5 7	1 5 0	16.8	80.7	48.5	661 500*
		18.0	79.1	48.2	660 900*
		20.0	76.5	47.8	608 100
		22.0	73.9	47.2	500 200
		24.0	71.3	46.5	421 800
		26.0	68.6	45.8	357 600*
		28.0	65.9	44.9	306 000*
		30.0	63.1	43.9	264 100*
		32.0	60.2	42.8	229 300*
		34.0	57.2	41.5	200 100*
		36.0	54.1	40.1	175 100*
		38.0	50.9	38.5	153 500*
		40.0	47.6	36.7	134 700*
		42.0	44.0	34.7	118 100*
		44.0	40.2	32.4	103 400*
		46.0	36.0	29.7	89 200*
		48.0	31.4	26.6	70 200*
5 3 3	1 7 5	18.3	80.4	55.9	596 600*
		20.0	78.5	55.6	591 400
		22.0	76.3	55.1	505 800
		24.0	74.0	54.6	425 500
		26.0	71.8	53.9	362 100*
		28.0	69.5	53.2	310 300*
		30.0	67.2	52.3	268 200*
		32.0	64.8	51.4	233 400*
		34.0	62.4	50.4	204 000*
		36.0	59.9	49.2	178 900*
		38.0	57.4	48.0	157 300*
		40.0	54.8	46.6	138 400*
		42.0	52.1	45.1	121 700*
		44.0	49.2	43.4	107 000*
		46.0	46.3	41.5	93 800*
		48.0	43.2	39.4	82 000*
6 1 0	2 0 0	50.0	39.9	37.1	71 300*
		52.0	36.3	34.5	61 600*
		54.0	32.5	31.4	52 800*
		19.8	80.1	63.4	536 500*
		20.0	79.9	63.4	536 300
		22.0	78.0	63.0	513 900
		24.0	76.1	62.5	426 300
		26.0	74.1	61.9	364 500*
		28.0	72.2	61.3	312 500*
		30.0	70.2	60.6	270 400*
		32.0	68.1	59.8	235 500*
		34.0	66.1	58.9	206 100*
		36.0	64.0	57.9	181 000*
		38.0	61.9	56.9	159 300*
		40.0	59.7	55.7	140 300*
		42.0	57.5	54.5	123 600*
8 3 8	2 7 5	44.0	55.2	53.1	108 800*
		46.0	52.9	51.6	95 700*
		48.0	50.4	50.0	83 800*
		50.0	47.9	48.2	73 100*
		52.0	45.3	46.3	63 400*
		54.0	42.6	44.1	54 500*
		22.9	80.7	86.1	357 000*
		24.0	79.9	85.9	353 400*
		26.0	78.5	85.5	345 200*
		28.0	77.1	85.0	321 100*
		30.0	75.7	84.5	275 100*
		32.0	74.3	84.0	239 800*
		34.0	72.9	83.4	210 000*
		36.0	71.4	82.7	184 500*
		38.0	70.0	82.0	162 500*
		40.0	68.5	81.2	143 300*
6 8 6	2 2 5	42.0	67.0	80.4	126 400*
		44.0	65.5	79.5	111 500*
		46.0	64.0	78.5	98 000*
		48.0	62.5	77.5	86 000*
		50.0	60.9	76.4	75 200*
		52.0	59.3	75.2	65 300*
		54.0	57.7	73.9	56 400*
		56.0	56.1	72.6	48 100*
7 6 2	2 5 0	21.3	81.0	78.6	423 300*
		22.0	80.5	78.5	420 800*
		24.0	78.9	78.1	413 000*
		26.0	77.4	77.7	369 100
		28.0	75.8	77.2	317 800*
		30.0	74.3	76.6	275 000*
		32.0	72.7	76.0	239 700*
		34.0	71.1	75.3	209 900*
8 8 0	2 5 0	36.0	69.5	74.6	184 500*
		38.0	67.9	73.8	162 500*
		40.0	66.2	72.9	143 300*
		42.0	64.6	72.0	126 400*
		44.0	62.9	71.0	111 500*
		46.0	61.2	69.9	98 100*
		48.0	59.4	68.7	86 100*
		50.0	57.7	67.4	75 300*