

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 20 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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SET AT 20 DEGREE OFFSET

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	733 300*
		18.0	79.1	48.2	733 300*
		20.0	76.5	47.8	648 200
		22.0	73.9	47.2	541 000
		24.0	71.3	46.5	462 900
		26.0	68.6	45.8	402 600
		28.0	65.9	44.9	354 300
		30.0	63.1	43.9	315 000
		32.0	60.2	42.8	280 700
		34.0	57.2	41.5	251 000*
		36.0	54.1	40.1	225 700*
		38.0	50.9	38.5	203 800*
		40.0	47.6	36.7	184 600*
		42.0	44.0	34.7	167 800*
		44.0	40.2	32.4	152 900*
		46.0	36.0	29.7	138 400*
		48.0	31.4	26.6	119 100*
5 3 3	1 7 5	18.3	80.4	55.9	663 300*
		20.0	78.5	55.6	652 700
		22.0	76.3	55.1	541 500
		24.0	74.0	54.6	463 200
		26.0	71.8	53.9	402 700
		28.0	69.5	53.2	354 400
		30.0	67.2	52.3	315 000
		32.0	64.8	51.4	281 400
		34.0	62.4	50.4	251 500*
		36.0	59.9	49.2	226 000*
		38.0	57.4	48.0	204 000*
		40.0	54.8	46.6	184 800*
		42.0	52.1	45.1	167 800*
		44.0	49.2	43.4	152 800*
		46.0	46.3	41.5	139 400*
		48.0	43.2	39.4	127 300*
6 1 0	2 0 0	50.0	39.9	37.1	116 400*
		52.0	36.3	34.5	106 500*
		54.0	32.5	31.4	97 400*
		19.8	80.1	63.4	597 600*
		20.0	79.9	63.4	594 400
		22.0	78.0	63.0	547 600
		24.0	76.1	62.5	462 000
		26.0	74.1	61.9	401 600
		28.0	72.2	61.3	353 200
		30.0	70.2	60.6	313 900
		32.0	68.1	59.8	280 600
		34.0	66.1	58.9	250 700*
		36.0	64.0	57.9	225 100*
		38.0	61.9	56.9	203 000*
		40.0	59.7	55.7	183 800*
		42.0	57.5	54.5	166 800*
		44.0	55.2	53.1	151 800*
		46.0	52.9	51.6	138 400*
		48.0	50.4	50.0	126 300*
		50.0	47.9	48.2	115 400*
		52.0	45.3	46.3	105 400*
		54.0	42.6	44.1	96 400*
		56.0	39.7	41.8	88 100*
		58.0	36.6	39.2	80 500*
		60.0	33.2	36.2	73 400*
		62.0	29.5	32.8	66 900*

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	524 600*
		22.0	79.4	70.7	515 700
		24.0	77.7	70.3	466 300
		26.0	75.9	69.8	401 300
		28.0	74.2	69.3	352 900
		30.0	72.5	68.6	313 400
		32.0	70.7	67.9	280 700
		34.0	68.9	67.2	250 600*
		36.0	67.1	66.3	224 900*
		38.0	65.3	65.4	202 700*
		40.0	63.4	64.4	183 400*
		42.0	61.5	63.4	166 300*
		44.0	59.6	62.2	151 200*
		46.0	57.6	61.0	137 700*
		48.0	55.6	59.6	125 500*
		50.0	53.5	58.1	114 600*
7 6 2	2 5 0	52.0	51.4	56.6	104 600*
		54.0	49.2	54.9	95 500*
		56.0	46.9	53.0	87 200*
		58.0	44.5	51.0	79 500*
		60.0	42.1	48.9	72 400*
		62.0	39.5	46.5	65 900*
		64.0	36.7	43.9	59 800*
		66.0	33.8	41.0	54 100*
		68.0	30.6	37.7	48 800*
		21.3	81.0	78.6	458 900*
		22.0	80.5	78.5	456 900*
		24.0	78.9	78.1	450 100
		26.0	77.4	77.7	400 600
		28.0	75.8	77.2	352 100
		30.0	74.3	76.6	312 600
		32.0	72.7	76.0	279 700
		34.0	71.1	75.3	250 100*
		36.0	69.5	74.6	224 200*
		38.0	67.9	73.8	201 900*
		40.0	66.2	72.9	182 400*
		42.0	64.6	72.0	165 300*
		44.0	62.9	71.0	150 100*
		46.0	61.2	69.9	136 500*
		48.0	59.4	68.7	124 300*
		50.0	57.7	67.4	113 300*
		52.0	55.9	66.1	103 300*
		54.0	54.0	64.7	94 100*
		56.0	52.1	63.1	85 700*
		58.0	50.2	61.5	78 000*
		60.0	48.2	59.7	70 900*
		62.0	46.1	57.8	64 300*
		64.0	43.9	55.8	58 200*
		66.0	41.7	53.6	52 500*
		68.0	39.3	51.2	47 200*

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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	400 300*
		24.0	79.9	85.9	397 500*
		26.0	78.5	85.5	390 900
		28.0	77.1	85.0	352 100
		30.0	75.7	84.5	311 400
		32.0	74.3	84.0	278 600
		34.0	72.9	83.4	249 100*
		36.0	71.4	82.7	223 200*
		38.0	70.0	82.0	200 800*
		40.0	68.5	81.2	181 300*
		42.0	67.0	80.4	164 100*
		44.0	65.5	79.5	148 900*
		46.0	64.0	78.5	135 300*
		48.0	62.5	77.5	123 000*
		50.0	60.9	76.4	112 000*
		52.0	59.3	75.2	101 900*
		54.0	57.7	73.9	92 800*
		56.0	56.1	72.6	84 400*
		58.0	54.4	71.2	76 700*
		60.0	52.7	69.7	69 600*
9 1 · 4	3 0 0	62.0	50.9	68.1	63 000*
		64.0	49.1	66.4	56 900*
		66.0	47.3	64.5	51 100*
		24.4	80.5	93.6	344 000*
		26.0	79.5	93.3	336 200*
		28.0	78.2	92.8	326 500*
		30.0	76.9	92.4	309 500
		32.0	75.7	91.9	277 400
		34.0	74.4	91.3	248 200*
		36.0	73.0	90.7	222 100*
		38.0	71.7	90.1	199 700*
		40.0	70.4	89.4	180 000*
		42.0	69.1	88.6	162 800*
		44.0	67.7	87.8	147 500*
		46.0	66.3	86.9	133 800*
		48.0	65.0	86.0	121 500*
		50.0	63.6	85.0	110 400*
		52.0	62.1	84.0	100 300*
		54.0	60.7	82.8	91 100*
		56.0	59.3	81.7	82 700*
		58.0	57.8	80.4	74 900*
		60.0	56.3	79.1	67 800*
		62.0	54.7	77.7	61 100*
		64.0	53.2	76.2	55 000*
		66.0	51.6	74.6	49 300*

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	285 300*
		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	260 700*
		34.0	75.6	99.2	249 200*
		36.0	74.4	98.7	221 200*
		38.0	73.2	98.1	198 700*
		40.0	72.0	97.4	179 000*
		42.0	70.7	96.7	161 600*
		44.0	69.5	96.0	146 200*
		46.0	68.3	95.2	132 500*
		48.0	67.0	94.4	120 200*
		50.0	65.7	93.5	109 000*
		52.0	64.5	92.5	98 900*
		54.0	63.2	91.5	89 700*
		56.0	61.9	90.5	81 200*
		58.0	60.5	89.3	73 400*
		60.0	59.2	88.2	66 200*
		62.0	57.8	86.9	59 600*
1 0 6 · 7	3 5 0	64.0	56.4	85.6	53 400*
		27.4	80.2	108.5	239 700*
		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	216 800*
		36.0	75.5	106.6	209 700*
		38.0	74.4	106.0	196 700*
		40.0	73.3	105.4	177 000*
		42.0	72.2	104.8	159 600*
		44.0	71.0	104.1	144 100*
		46.0	69.9	103.4	130 400*
		48.0	68.7	102.6	118 000*
		50.0	67.6	101.8	106 800*
		52.0	66.4	100.9	96 700*
		54.0	65.2	100.0	87 400*
		56.0	64.0	99.0	78 900*
		58.0	62.8	98.0	71 200*
		60.0	61.6	97.0	64 000*
		62.0	60.4	95.8	57 300*
		64.0	59.1	94.6	51 100*

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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	720 200*
		18.0	79.1	48.2	720 200*
		20.0	76.5	47.8	640 600
		22.0	73.9	47.2	533 500
		24.0	71.3	46.5	455 700
		26.0	68.6	45.8	395 600
		28.0	65.9	44.9	347 500
		30.0	63.1	43.9	307 300
		32.0	60.2	42.8	272 100*
		34.0	57.2	41.5	242 600*
		36.0	54.1	40.1	217 400*
		38.0	50.9	38.5	195 600*
		40.0	47.6	36.7	176 600*
		42.0	44.0	34.7	159 900*
		44.0	40.2	32.4	145 100*
		46.0	36.0	29.7	130 700*
		48.0	31.4	26.6	111 500*
5 3 3	1 7 5	18.3	80.4	55.9	650 100*
		20.0	78.5	55.6	639 700
		22.0	76.3	55.1	534 300
		24.0	74.0	54.6	456 300
		26.0	71.8	53.9	396 100
		28.0	69.5	53.2	347 900
		30.0	67.2	52.3	308 100
		32.0	64.8	51.4	273 100*
		34.0	62.4	50.4	243 400*
		36.0	59.9	49.2	218 100*
		38.0	57.4	48.0	196 200*
		40.0	54.8	46.6	177 100*
		42.0	52.1	45.1	160 300*
		44.0	49.2	43.4	145 400*
		46.0	46.3	41.5	132 000*
		48.0	43.2	39.4	120 000*
6 1 0	2 0 0	50.0	39.9	37.1	109 200*
		52.0	36.3	34.5	99 400*
		54.0	32.5	31.4	90 400*
		19.8	80.1	63.4	585 800*
		20.0	79.9	63.4	583 200
		22.0	78.0	63.0	541 200
		24.0	76.1	62.5	455 300
		26.0	74.1	61.9	395 200
		28.0	72.2	61.3	347 000
		30.0	70.2	60.6	307 400
		32.0	68.1	59.8	272 700*
		34.0	66.1	58.9	242 900*
		36.0	64.0	57.9	217 500*
		38.0	61.9	56.9	195 600*
		40.0	59.7	55.7	176 400*
		42.0	57.5	54.5	159 600*
		44.0	55.2	53.1	144 700*
		46.0	52.9	51.6	131 300*
		48.0	50.4	50.0	119 300*
		50.0	47.9	48.2	108 400*
		52.0	45.3	46.3	98 600*
		54.0	42.6	44.1	89 600*
		56.0	39.7	41.8	81 400*
		58.0	36.6	39.2	73 800*
		60.0	33.2	36.2	66 800*
		62.0	29.5	32.8	60 400*

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	528 400*
		22.0	79.4	70.7	514 900
		24.0	77.7	70.3	458 800
		26.0	75.9	69.8	395 100
		28.0	74.2	69.3	346 900
		30.0	72.5	68.6	307 600
		32.0	70.7	67.9	273 000
		34.0	68.9	67.2	243 100*
		36.0	67.1	66.3	217 600*
		38.0	65.3	65.4	195 600*
		40.0	63.4	64.4	176 300*
		42.0	61.5	63.4	159 300*
		44.0	59.6	62.2	144 300*
		46.0	57.6	61.0	130 900*
		48.0	55.6	59.6	118 800*
		50.0	53.5	58.1	107 900*
7 6 2	2 5 0	52.0	51.4	56.6	98 000*
		54.0	49.2	54.9	89 000*
		56.0	46.9	53.0	80 700*
		58.0	44.5	51.0	73 100*
		60.0	42.1	48.9	66 100*
		62.0	39.5	46.5	59 500*
		64.0	36.7	43.9	53 500*
		21.3	81.0	78.6	455 700*
		22.0	80.5	78.5	453 200*
		24.0	78.9	78.1	444 400
		26.0	77.4	77.7	394 600
		28.0	75.8	77.2	346 300
		30.0	74.3	76.6	306 900
		32.0	72.7	76.0	272 800
		34.0	71.1	75.3	242 800*
		36.0	69.5	74.6	217 100*
		38.0	67.9	73.8	194 900*
		40.0	66.2	72.9	175 600*
		42.0	64.6	72.0	158 500*
		44.0	62.9	71.0	143 400*
		46.0	61.2	69.9	129 900*
		48.0	59.4	68.7	117 800*
		50.0	57.7	67.4	106 800*
		52.0	55.9	66.1	96 900*
		54.0	54.0	64.7	87 800*
		56.0	52.1	63.1	79 500*
		58.0	50.2	61.5	71 800*
		60.0	48.2	59.7	64 700*
		62.0	46.1	57.8	58 200*
		64.0	43.9	55.8	52 100*

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JIB NO. 49A-44 WITH HEAVY LIFT TOP

SET AT 20 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	394 100*
		24.0	79.9	85.9	390 600*
		26.0	78.5	85.5	383 600
		28.0	77.1	85.0	346 500
		30.0	75.7	84.5	305 800
		32.0	74.3	84.0	272 100
		34.0	72.9	83.4	241 900*
		36.0	71.4	82.7	216 200*
		38.0	70.0	82.0	194 000*
		40.0	68.5	81.2	174 600*
		42.0	67.0	80.4	157 500*
		44.0	65.5	79.5	142 300*
		46.0	64.0	78.5	128 800*
		48.0	62.5	77.5	116 600*
		50.0	60.9	76.4	105 700*
		52.0	59.3	75.2	95 700*
		54.0	57.7	73.9	86 600*
		56.0	56.1	72.6	78 200*
		58.0	54.4	71.2	70 600*
		60.0	52.7	69.7	63 500*
		62.0	50.9	68.1	56 900*
		64.0	49.1	66.4	50 900*

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	335 600*
		26.0	79.5	93.3	327 900*
		28.0	78.2	92.8	318 300*
		30.0	76.9	92.4	302 900
		32.0	75.7	91.9	271 500
		34.0	74.4	91.3	241 200*
		36.0	73.0	90.7	215 300*
		38.0	71.7	90.1	193 000*
		40.0	70.4	89.4	173 500*
		42.0	69.1	88.6	156 300*
		44.0	67.7	87.8	141 100*
		46.0	66.3	86.9	127 500*
		48.0	65.0	86.0	115 300*
		50.0	63.6	85.0	104 200*
		52.0	62.1	84.0	94 200*
		54.0	60.7	82.8	85 100*
		56.0	59.3	81.7	76 600*
		58.0	57.8	80.4	69 000*
		60.0	56.3	79.1	61 900*
		62.0	54.7	77.7	55 300*
		64.0	53.2	76.2	49 200*

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 20 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	703 100*
		18.0	79.1	48.2	703 100*
		20.0	76.5	47.8	631 700
		22.0	73.9	47.2	524 800
		24.0	71.3	46.5	447 500
		26.0	68.6	45.8	387 700
		28.0	65.9	44.9	339 300
		30.0	63.1	43.9	297 200*
		32.0	60.2	42.8	262 500*
		34.0	57.2	41.5	233 200*
		36.0	54.1	40.1	208 200*
		38.0	50.9	38.5	186 600*
		40.0	47.6	36.7	167 800*
		42.0	44.0	34.7	151 300*
		44.0	40.2	32.4	136 600*
		46.0	36.0	29.7	122 400*
		48.0	31.4	26.6	103 400*
5 3 3	1 7 5	18.3	80.4	55.9	636 100*
		20.0	78.5	55.6	626 400
		22.0	76.3	55.1	526 600
		24.0	74.0	54.6	448 300
		26.0	71.8	53.9	388 500
		28.0	69.5	53.2	340 300
		30.0	67.2	52.3	298 900*
		32.0	64.8	51.4	263 900*
		34.0	62.4	50.4	234 500*
		36.0	59.9	49.2	209 300*
		38.0	57.4	48.0	187 700*
		40.0	54.8	46.6	168 700*
		42.0	52.1	45.1	152 000*
		44.0	49.2	43.4	137 200*
		46.0	46.3	41.5	124 100*
		48.0	43.2	39.4	112 200*
6 1 0	2 0 0	50.0	39.9	37.1	101 500*
		52.0	36.3	34.5	91 800*
		54.0	32.5	31.4	82 900*
		19.8	80.1	63.4	573 200*
		20.0	79.9	63.4	571 200
		22.0	78.0	63.0	533 400
		24.0	76.1	62.5	447 600
		26.0	74.1	61.9	387 800
		28.0	72.2	61.3	339 800
		30.0	70.2	60.6	299 100*
		32.0	68.1	59.8	263 900*
		34.0	66.1	58.9	234 300*
		36.0	64.0	57.9	209 100*
		38.0	61.9	56.9	187 400*
		40.0	59.7	55.7	168 400*
		42.0	57.5	54.5	151 700*
		44.0	55.2	53.1	136 800*
		46.0	52.9	51.6	123 600*
		48.0	50.4	50.0	111 700*
		50.0	47.9	48.2	101 000*
		52.0	45.3	46.3	91 200*
		54.0	42.6	44.1	82 300*
		56.0	39.7	41.8	74 200*
		58.0	36.6	39.2	66 700*
		60.0	33.2	36.2	59 800*
		62.0	29.5	32.8	53 400*

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	503 900
		24.0	77.7	70.3	451 900
		26.0	75.9	69.8	388 000
		28.0	74.2	69.3	340 100
		30.0	72.5	68.6	299 800
		32.0	70.7	67.9	264 500*
		34.0	68.9	67.2	234 800*
		36.0	67.1	66.3	209 400*
		38.0	65.3	65.4	187 600*
		40.0	63.4	64.4	168 500*
		42.0	61.5	63.4	151 700*
		44.0	59.6	62.2	136 800*
		46.0	57.6	61.0	123 400*
		48.0	55.6	59.6	111 500*
		50.0	53.5	58.1	100 600*
7 6 2	2 5 0	52.0	51.4	56.6	90 800*
		54.0	49.2	54.9	81 900*
		56.0	46.9	53.0	73 700*
		58.0	44.5	51.0	66 200*
		60.0	42.1	48.9	59 200*
		62.0	39.5	46.5	52 800*
		64.0	36.7	43.9	46 800*
		21.3	81.0	78.6	447 600*
		22.0	80.5	78.5	445 100*
		24.0	78.9	78.1	437 000
		26.0	77.4	77.7	387 600
		28.0	75.8	77.2	339 600
		30.0	74.3	76.6	299 700
		32.0	72.7	76.0	264 500*
		34.0	71.1	75.3	234 700*
		36.0	69.5	74.6	209 200*
		38.0	67.9	73.8	187 200*
		40.0	66.2	72.9	168 000*
		42.0	64.6	72.0	151 100*
		44.0	62.9	71.0	136 100*
		46.0	61.2	69.9	122 700*
		48.0	59.4	68.7	110 700*
		50.0	57.7	67.4	99 800*
		52.0	55.9	66.1	89 900*
		54.0	54.0	64.7	80 900*
		56.0	52.1	63.1	72 600*
		58.0	50.2	61.5	65 100*
		60.0	48.2	59.7	58 100*
		62.0	46.1	57.8	51 600*
		64.0	43.9	55.8	45 600*

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 20 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	385 500*
		24.0	79.9	85.9	382 100*
		26.0	78.5	85.5	375 200
		28.0	77.1	85.0	340 100
		30.0	75.7	84.5	298 900
		32.0	74.3	84.0	263 800*
		34.0	72.9	83.4	233 900*
		36.0	71.4	82.7	208 400*
		38.0	70.0	82.0	186 400*
		40.0	68.5	81.2	167 100*
		42.0	67.0	80.4	150 100*
		44.0	65.5	79.5	135 100*
		46.0	64.0	78.5	121 700*
		48.0	62.5	77.5	109 600*
		50.0	60.9	76.4	98 700*
		52.0	59.3	75.2	88 800*
		54.0	57.7	73.9	79 800*
		56.0	56.1	72.6	71 600*
		58.0	54.4	71.2	64 000*
		60.0	52.7	69.7	56 900*
		62.0	50.9	68.1	50 500*

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	326 200*
		26.0	79.5	93.3	318 500*
		28.0	78.2	92.8	309 000*
		30.0	76.9	92.4	295 300*
		32.0	75.7	91.9	263 500*
		34.0	74.4	91.3	233 400*
		36.0	73.0	90.7	207 700*
		38.0	71.7	90.1	185 500*
		40.0	70.4	89.4	166 200*
		42.0	69.1	88.6	149 100*
		44.0	67.7	87.8	134 100*
		46.0	66.3	86.9	120 600*
		48.0	65.0	86.0	108 400*
		50.0	63.6	85.0	97 500*
		52.0	62.1	84.0	87 500*
		54.0	60.7	82.8	78 500*
		56.0	59.3	81.7	70 200*
		58.0	57.8	80.4	62 500*
		60.0	56.3	79.1	55 500*
		62.0	54.7	77.7	49 000*

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 20 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	688 300*
		18.0	79.1	48.2	688 300*
		20.0	76.5	47.8	623 300
		22.0	73.9	47.2	516 700
		24.0	71.3	46.5	439 800
		26.0	68.6	45.8	380 200
		28.0	65.9	44.9	329 600*
		30.0	63.1	43.9	288 000*
		32.0	60.2	42.8	253 500*
		34.0	57.2	41.5	224 500*
		36.0	54.1	40.1	199 700*
		38.0	50.9	38.5	178 300*
		40.0	47.6	36.7	159 600*
		42.0	44.0	34.7	143 200*
		44.0	40.2	32.4	128 600*
		46.0	36.0	29.7	114 600*
		48.0	31.4	26.6	95 700*
5 3 3	1 7 5	18.3	80.4	55.9	622 500*
		20.0	78.5	55.6	613 500
		22.0	76.3	55.1	519 300
		24.0	74.0	54.6	440 900
		26.0	71.8	53.9	381 400
		28.0	69.5	53.2	331 900*
		30.0	67.2	52.3	289 900*
		32.0	64.8	51.4	255 300*
		34.0	62.4	50.4	226 100*
		36.0	59.9	49.2	201 100*
		38.0	57.4	48.0	179 600*
		40.0	54.8	46.6	160 800*
		42.0	52.1	45.1	144 300*
		44.0	49.2	43.4	129 700*
		46.0	46.3	41.5	116 600*
		48.0	43.2	39.4	104 800*
6 1 0	2 0 0	50.0	39.9	37.1	94 300*
		52.0	36.3	34.5	84 600*
		54.0	32.5	31.4	75 900*
		19.8	80.1	63.4	561 000*
		20.0	79.9	63.4	559 400
		22.0	78.0	63.0	526 300
		24.0	76.1	62.5	440 500
		26.0	74.1	61.9	381 000
		28.0	72.2	61.3	332 600*
		30.0	70.2	60.6	290 300*
		32.0	68.1	59.8	255 600*
		34.0	66.1	58.9	226 300*
		36.0	64.0	57.9	201 300*
		38.0	61.9	56.9	179 700*
		40.0	59.7	55.7	160 900*
		42.0	57.5	54.5	144 300*
		44.0	55.2	53.1	129 600*
		46.0	52.9	51.6	116 400*
		48.0	50.4	50.0	104 700*
		50.0	47.9	48.2	94 000*
		52.0	45.3	46.3	84 400*
		54.0	42.6	44.1	75 600*
		56.0	39.7	41.8	67 500*
		58.0	36.6	39.2	60 100*
		60.0	33.2	36.2	53 300*
		62.0	29.5	32.8	47 000*

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	503 700*
		22.0	79.4	70.7	494 500
		24.0	77.7	70.3	445 200
		26.0	75.9	69.8	381 400
		28.0	74.2	69.3	333 200
		30.0	72.5	68.6	291 500*
		32.0	70.7	67.9	256 500*
		34.0	68.9	67.2	227 000*
		36.0	67.1	66.3	201 900*
		38.0	65.3	65.4	180 200*
		40.0	63.4	64.4	161 200*
		42.0	61.5	63.4	144 500*
		44.0	59.6	62.2	129 800*
		46.0	57.6	61.0	116 500*
		48.0	55.6	59.6	104 700*
		50.0	53.5	58.1	94 000*
7 6 2	2 5 0	52.0	51.4	56.6	84 200*
		54.0	49.2	54.9	75 400*
		56.0	46.9	53.0	67 300*
		58.0	44.5	51.0	59 800*
		60.0	42.1	48.9	52 900*
		21.3	81.0	78.6	440 600*
		22.0	80.5	78.5	438 200*
		24.0	78.9	78.1	430 200
		26.0	77.4	77.7	381 300
		28.0	75.8	77.2	333 200
		30.0	74.3	76.6	292 200*
		32.0	72.7	76.0	256 800*
		34.0	71.1	75.3	227 200*
		36.0	69.5	74.6	201 900*
		38.0	67.9	73.8	180 000*
		40.0	66.2	72.9	161 000*
8 3 8	2 7 5	42.0	64.6	72.0	144 200*
		44.0	62.9	71.0	129 300*
		46.0	61.2	69.9	116 100*
		48.0	59.4	68.7	104 100*
		50.0	57.7	67.4	93 300*
		52.0	55.9	66.1	83 500*
		54.0	54.0	64.7	74 600*
		56.0	52.1	63.1	66 400*
		58.0	50.2	61.5	58 900*
		60.0	48.2	59.7	52 000*
		22.9	80.7	86.1	378 100*
		24.0	79.9	85.9	374 700*
		26.0	78.5	85.5	366 900
		28.0	77.1	85.0	334 200
		30.0	75.7	84.5	291 700*
		32.0	74.3	84.0	256 200*
		34.0	72.9	83.4	226 500*
		36.0	71.4	82.7	201 200*
		38.0	70.0	82.0	179 300*
		40.0	68.5	81.2	160 200*
		42.0	67.0	80.4	143 400*
		44.0	65.5	79.5	128 500*
		46.0	64.0	78.5	115 200*
		48.0	62.5	77.5	103 200*
		50.0	60.9	76.4	92 400*
		52.0	59.3	75.2	82 600*
		54.0	57.7	73.9	73 700*
		56.0	56.1	72.6	65 500*
		58.0	54.4	71.2	58 000*
		60.0	52.7	69.7	51 000*

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 20 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	317 800*
		26.0	79.5	93.3	310 200*
		28.0	78.2	92.8	300 700*
		30.0	76.9	92.4	287 500*
		32.0	75.7	91.9	256 100*
		34.0	74.4	91.3	226 200*
		36.0	73.0	90.7	200 700*
		38.0	71.7	90.1	178 700*
		40.0	70.4	89.4	159 500*
		42.0	69.1	88.6	142 600*
		44.0	67.7	87.8	127 600*
		46.0	66.3	86.9	114 200*
		48.0	65.0	86.0	102 200*
		50.0	63.6	85.0	91 300*
		52.0	62.1	84.0	81 400*
		54.0	60.7	82.8	72 500*
		56.0	59.3	81.7	64 200*
		58.0	57.8	80.4	56 600*
		60.0	56.3	79.1	49 700*

MANITOWOC ENGINEERING CO.

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LIFT CRANE BOOM CAPACITIES WITH JIB ATTACHED

MEETS
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REQUIREMENTS

M-1200

BOOM NO. 75A

MAST NO. 75 OR NO. 75A

JIB NO. 49A-44 WITH HEAVY LIFT TOP

SET AT 20 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	670 200*
		18.0	79.1	48.2	670 200*
		20.0	76.5	47.8	614 000
		22.0	73.9	47.2	507 600
		24.0	71.3	46.5	431 100
		26.0	68.6	45.8	369 700*
		28.0	65.9	44.9	318 800*
		30.0	63.1	43.9	277 600*
		32.0	60.2	42.8	243 400*
		34.0	57.2	41.5	214 600*
		36.0	54.1	40.1	190 000*
		38.0	50.9	38.5	168 800*
		40.0	47.6	36.7	150 300*
		42.0	44.0	34.7	134 100*
		44.0	40.2	32.4	119 700*
		46.0	36.0	29.7	105 800*
		48.0	31.4	26.6	87 100*
5 3 3	1 7 5	18.3	80.4	55.9	606 100*
		20.0	78.5	55.6	598 000
		22.0	76.3	55.1	511 400
		24.0	74.0	54.6	432 600
		26.0	71.8	53.9	372 500*
		28.0	69.5	53.2	321 400*
		30.0	67.2	52.3	280 000*
		32.0	64.8	51.4	245 600*
		34.0	62.4	50.4	216 700*
		36.0	59.9	49.2	191 900*
		38.0	57.4	48.0	170 600*
		40.0	54.8	46.6	152 000*
		42.0	52.1	45.1	135 600*
		44.0	49.2	43.4	121 200*
		46.0	46.3	41.5	108 200*
		48.0	43.2	39.4	96 600*
6 1 0	2 0 0	50.0	39.9	37.1	86 100*
		52.0	36.3	34.5	76 600*
		54.0	32.5	31.4	68 000*
		19.8	80.1	63.4	546 100*
		20.0	79.9	63.4	545 300
		22.0	78.0	63.0	518 500
		24.0	76.1	62.5	432 500
		26.0	74.1	61.9	373 300
		28.0	72.2	61.3	322 400*
		30.0	70.2	60.6	280 800*
		32.0	68.1	59.8	246 300*
		34.0	66.1	58.9	217 300*
		36.0	64.0	57.9	192 500*
		38.0	61.9	56.9	171 100*
		40.0	59.7	55.7	152 400*
		42.0	57.5	54.5	136 000*
		44.0	55.2	53.1	121 400*
		46.0	52.9	51.6	108 400*
		48.0	50.4	50.0	96 800*
		50.0	47.9	48.2	86 200*
		52.0	45.3	46.3	76 700*
		54.0	42.6	44.1	68 000*
		56.0	39.7	41.8	60 000*
		58.0	36.6	39.2	52 700*

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	490 100*
		22.0	79.4	70.7	483 400
		24.0	77.7	70.3	438 000
		26.0	75.9	69.8	373 900
		28.0	74.2	69.3	324 200*
		30.0	72.5	68.6	282 200*
		32.0	70.7	67.9	247 600*
		34.0	68.9	67.2	218 300*
		36.0	67.1	66.3	193 400*
		38.0	65.3	65.4	171 900*
		40.0	63.4	64.4	153 100*
		42.0	61.5	63.4	136 600*
		44.0	59.6	62.2	121 900*
		46.0	57.6	61.0	108 800*
		48.0	55.6	59.6	97 100*
		50.0	53.5	58.1	86 400*
7 6 2	2 5 0	52.0	51.4	56.6	76 800*
		54.0	49.2	54.9	68 000*
		56.0	46.9	53.0	60 000*
		58.0	44.5	51.0	52 600*
		21.3	81.0	78.6	431 700*
		22.0	80.5	78.5	429 300*
		24.0	78.9	78.1	422 000*
		26.0	77.4	77.7	374 200
		28.0	75.8	77.2	325 500*
		30.0	74.3	76.6	283 100*
		32.0	72.7	76.0	248 200*
		34.0	71.1	75.3	218 800*
		36.0	69.5	74.6	193 700*
		38.0	67.9	73.8	172 100*
		40.0	66.2	72.9	153 200*
		42.0	64.6	72.0	136 500*
8 3 8	2 7 5	44.0	62.9	71.0	121 800*
		46.0	61.2	69.9	108 600*
		48.0	59.4	68.7	96 800*
		50.0	57.7	67.4	86 100*
		52.0	55.9	66.1	76 300*
		54.0	54.0	64.7	67 500*
		56.0	52.1	63.1	59 400*
		58.0	50.2	61.5	52 000*
		22.9	80.7	86.1	364 800*
		24.0	79.9	85.9	361 500*
		26.0	78.5	85.5	352 400
		28.0	77.1	85.0	327 800
		30.0	75.7	84.5	282 900*
		32.0	74.3	84.0	247 900*
		34.0	72.9	83.4	218 400*
		36.0	71.4	82.7	193 300*
		38.0	70.0	82.0	171 600*
		40.0	68.5	81.2	152 600*
		42.0	67.0	80.4	135 900*
		44.0	65.5	79.5	121 100*
		46.0	64.0	78.5	108 000*
		48.0	62.5	77.5	96 100*
		50.0	60.9	76.4	85 300*
		52.0	59.3	75.2	75 600*
		54.0	57.7	73.9	66 800*
		56.0	56.1	72.6	58 600*
		58.0	54.4	71.2	51 200*

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 20 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
4 5 7	1 5 0	16.8	80.7	48.5	656 600*
		18.0	79.1	48.2	656 600*
		20.0	76.5	47.8	606 900
		22.0	73.9	47.2	500 700
		24.0	71.3	46.5	423 900
		26.0	68.6	45.8	361 100*
		28.0	65.9	44.9	310 600*
		30.0	63.1	43.9	269 600*
		32.0	60.2	42.8	235 700*
		34.0	57.2	41.5	207 100*
		36.0	54.1	40.1	182 600*
		38.0	50.9	38.5	161 600*
		40.0	47.6	36.7	143 200*
		42.0	44.0	34.7	127 100*
		44.0	40.2	32.4	112 800*
		46.0	36.0	29.7	99 000*
		48.0	31.4	26.6	80 500*
5 3 3	1 7 5	18.3	80.4	55.9	594 000*
		20.0	78.5	55.6	586 500
		22.0	76.3	55.1	505 300
		24.0	74.0	54.6	426 300
		26.0	71.8	53.9	364 400*
		28.0	69.5	53.2	313 600*
		30.0	67.2	52.3	272 400*
		32.0	64.8	51.4	238 300*
		34.0	62.4	50.4	209 500*
		36.0	59.9	49.2	185 000*
		38.0	57.4	48.0	163 800*
		40.0	54.8	46.6	145 300*
		42.0	52.1	45.1	129 100*
		44.0	49.2	43.4	114 700*
		46.0	46.3	41.5	101 800*
		48.0	43.2	39.4	90 300*
6 1 0	2 0 0	50.0	39.9	37.1	79 900*
		52.0	36.3	34.5	70 600*
		54.0	32.5	31.4	62 000*
		56.0	28.1	27.9	53 900*
		19.8	80.1	63.4	535 100*
		20.0	79.9	63.4	534 900
		22.0	78.0	63.0	512 600
		24.0	76.1	62.5	426 400
		26.0	74.1	61.9	365 800*
		28.0	72.2	61.3	314 900*
		30.0	70.2	60.6	273 500*
		32.0	68.1	59.8	239 400*
		34.0	66.1	58.9	210 500*
		36.0	64.0	57.9	185 800*
		38.0	61.9	56.9	164 600*
		40.0	59.7	55.7	146 100*
		42.0	57.5	54.5	129 800*
		44.0	55.2	53.1	115 300*
		46.0	52.9	51.6	102 400*
		48.0	50.4	50.0	90 800*
		50.0	47.9	48.2	80 400*
		52.0	45.3	46.3	70 900*
		54.0	42.6	44.1	62 300*
		56.0	39.7	41.8	54 400*
6 8 6	2 2 5	21.3	79.9	70.9	480 200*
		22.0	79.4	70.7	475 200
		24.0	77.7	70.3	432 500
		26.0	75.9	69.8	368 200*
		28.0	74.2	69.3	316 900*
		30.0	72.5	68.6	275 300*
		32.0	70.7	67.9	240 900*
		34.0	68.9	67.2	211 900*
		36.0	67.1	66.3	187 100*
		38.0	65.3	65.4	165 700*
		40.0	63.4	64.4	147 000*
		42.0	61.5	63.4	130 600*
		44.0	59.6	62.2	116 000*
		46.0	57.6	61.0	103 000*
		48.0	55.6	59.6	91 400*
		50.0	53.5	58.1	80 800*
7 6 2	2 5 0	52.0	51.4	56.6	71 300*
		54.0	49.2	54.9	62 600*
		56.0	46.9	53.0	54 600*
		21.3	81.0	78.6	425 500*
		22.0	80.5	78.5	423 100*
		24.0	78.9	78.1	415 800*
		26.0	77.4	77.7	368 800
		28.0	75.8	77.2	318 400*
		30.0	74.3	76.6	276 400*
		32.0	72.7	76.0	241 800*
		34.0	71.1	75.3	212 600*
		36.0	69.5	74.6	187 700*
		38.0	67.9	73.8	166 100*
		40.0	66.2	72.9	147 400*
		42.0	64.6	72.0	130 800*
		44.0	62.9	71.0	116 100*
8 3 8	2 7 5	46.0	61.2	69.9	103 100*
		48.0	59.4	68.7	91 300*
		50.0	57.7	67.4	80 700*
		52.0	55.9	66.1	71 000*
		54.0	54.0	64.7	62 300*
		56.0	52.1	63.1	54 200*
		22.9	80.7	86.1	358 300*
		24.0	79.9	85.9	355 000*
		26.0	78.5	85.5	345 100*
		28.0	77.1	85.0	321 400*
		30.0	75.7	84.5	276 300*
		32.0	74.3	84.0	241 600*
		34.0	72.9	83.4	212 300*
		36.0	71.4	82.7	187 300*
		38.0	70.0	82.0	165 800*
		40.0	68.5	81.2	146 900*
		42.0	67.0	80.4	130 300*
		44.0	65.5	79.5	115 600*
		46.0	64.0	78.5	102 600*
		48.0	62.5	77.5	90 700*
		50.0	60.9	76.4	80 100*
		52.0	59.3	75.2	70 400*
		54.0	57.7	73.9	61 600*
		56.0	56.1	72.6	53 600*

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 20 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	638 200*
		18.0	79.1	48.2	638 200*
		20.0	76.5	47.8	597 700
		22.0	73.9	47.2	491 900
		24.0	71.3	46.5	413 800
		26.0	68.6	45.8	350 700*
		28.0	65.9	44.9	300 700*
		30.0	63.1	43.9	260 100*
		32.0	60.2	42.8	226 600*
		34.0	57.2	41.5	198 300*
		36.0	54.1	40.1	174 200*
		38.0	50.9	38.5	153 400*
		40.0	47.6	36.7	135 300*
		42.0	44.0	34.7	119 400*
		44.0	40.2	32.4	105 300*
		46.0	36.0	29.7	91 800*
		48.0	31.4	26.6	73 300*
5 3 3	1 7 5	18.3	80.4	55.9	578 200*
		20.0	78.5	55.6	574 300
		22.0	76.3	55.1	497 600
		24.0	74.0	54.6	417 200
		26.0	71.8	53.9	354 500*
		28.0	69.5	53.2	304 200*
		30.0	67.2	52.3	263 400*
		32.0	64.8	51.4	229 700*
		34.0	62.4	50.4	201 200*
		36.0	59.9	49.2	176 900*
		38.0	57.4	48.0	156 000*
		40.0	54.8	46.6	137 800*
		42.0	52.1	45.1	121 700*
		44.0	49.2	43.4	107 500*
		46.0	46.3	41.5	94 800*
		48.0	43.2	39.4	83 500*
6 1 0	2 0 0	50.0	39.9	37.1	73 200*
		52.0	36.3	34.5	64 000*
		54.0	32.5	31.4	55 600*
		19.8	80.1	63.4	520 800*
		20.0	79.9	63.4	520 800*
		22.0	78.0	63.0	494 100
		24.0	76.1	62.5	418 800
		26.0	74.1	61.9	356 000*
		28.0	72.2	61.3	305 600*
		30.0	70.2	60.6	264 800*
		32.0	68.1	59.8	230 900*
		34.0	66.1	58.9	202 400*
		36.0	64.0	57.9	178 100*
		38.0	61.9	56.9	157 000*
		40.0	59.7	55.7	138 700*
		42.0	57.5	54.5	122 600*
8 3 8	2 7 5	44.0	55.2	53.1	108 300*
		46.0	52.9	51.6	95 600*
		48.0	50.4	50.0	84 200*
		50.0	47.9	48.2	73 900*
		52.0	45.3	46.3	64 500*
		54.0	42.6	44.1	56 000*
		56.0	39.7	41.8	48 300*
		22.9	80.7	86.1	350 200*
		24.0	79.9	85.9	346 300*
		26.0	78.5	85.5	335 800*
		28.0	77.1	85.0	312 900*
		30.0	75.7	84.5	268 200*
		32.0	74.3	84.0	233 800*
		34.0	72.9	83.4	204 900*
		36.0	71.4	82.7	180 100*
		38.0	70.0	82.0	158 800*
6 8 6	2 2 5	40.0	68.5	81.2	140 200*
		42.0	67.0	80.4	123 800*
		44.0	65.5	79.5	109 300*
		46.0	64.0	78.5	96 300*
		48.0	62.5	77.5	84 600*
		50.0	60.9	76.4	74 100*
		52.0	59.3	75.2	64 600*
		54.0	57.7	73.9	55 900*
		56.0	56.1	72.6	47 900*
		21.3	79.9	70.9	467 200*
		22.0	79.4	70.7	464 400
		24.0	77.7	70.3	425 500
		26.0	75.9	69.8	358 600*
		28.0	74.2	69.3	307 900*
		30.0	72.5	68.6	266 800*
		32.0	70.7	67.9	232 800*
7 6 2	2 5 0	34.0	68.9	67.2	204 000*
		36.0	67.1	66.3	179 600*
		38.0	65.3	65.4	158 400*
		40.0	63.4	64.4	139 900*
		42.0	61.5	63.4	123 700*
		44.0	59.6	62.2	109 300*
		46.0	57.6	61.0	96 500*
		48.0	55.6	59.6	84 900*
		50.0	53.5	58.1	74 500*
		52.0	51.4	56.6	65 100*
		54.0	49.2	54.9	56 500*
		56.0	46.9	53.0	48 600*
		21.3	81.0	78.6	416 800*
		22.0	80.5	78.5	414 900*
		24.0	78.9	78.1	408 400*
		26.0	77.4	77.7	360 800*
8 3 8	2 7 5	28.0	75.8	77.2	309 600*
		30.0	74.3	76.6	268 200*
		32.0	72.7	76.0	234 000*
		34.0	71.1	75.3	205 000*
		36.0	69.5	74.6	180 400*
		38.0	67.9	73.8	159 100*
		40.0	66.2	72.9	140 500*
		42.0	64.6	72.0	124 100*
		44.0	62.9	71.0	109 600*
		46.0	61.2	69.9	96 700*
		48.0	59.4	68.7	85 100*
		50.0	57.7	67.4	74 600*
		52.0	55.9	66.1	65 100*
		54.0	54.0	64.7	56 400*
		56.0	52.1	63.1	48 500*

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 20 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	626 100*
		18.0	79.1	48.2	625 500*
		20.0	76.5	47.8	592 000
		22.0	73.9	47.2	485 600
		24.0	71.3	46.5	406 400*
		26.0	68.6	45.8	343 600*
		28.0	65.9	44.9	293 800*
		30.0	63.1	43.9	253 500*
		32.0	60.2	42.8	220 100*
		34.0	57.2	41.5	191 900*
		36.0	54.1	40.1	168 000*
		38.0	50.9	38.5	147 300*
		40.0	47.6	36.7	129 300*
		42.0	44.0	34.7	113 500*
		44.0	40.2	32.4	99 500*
		46.0	36.0	29.7	86 000*
		48.0	31.4	26.6	67 700*
5 3 3	1 7 5	18.3	80.4	55.9	567 300*
		20.0	78.5	55.6	563 200
		22.0	76.3	55.1	492 800
		24.0	74.0	54.6	410 800
		26.0	71.8	53.9	347 800*
		28.0	69.5	53.2	297 700*
		30.0	67.2	52.3	257 200*
		32.0	64.8	51.4	223 600*
		34.0	62.4	50.4	195 300*
		36.0	59.9	49.2	171 100*
		38.0	57.4	48.0	150 300*
		40.0	54.8	46.6	132 200*
		42.0	52.1	45.1	116 200*
		44.0	49.2	43.4	102 100*
		46.0	46.3	41.5	89 500*
		48.0	43.2	39.4	78 200*
6 1 0	2 0 0	50.0	39.9	37.1	68 100*
		52.0	36.3	34.5	58 900*
		54.0	32.5	31.4	50 600*
		19.8	80.1	63.4	510 900*
		20.0	79.9	63.4	510 900*
		22.0	78.0	63.0	493 000
		24.0	76.1	62.5	413 200
		26.0	74.1	61.9	349 700*
		28.0	72.2	61.3	299 500*
		30.0	70.2	60.6	258 900*
		32.0	68.1	59.8	225 200*
		34.0	66.1	58.9	196 800*
		36.0	64.0	57.9	172 600*
		38.0	61.9	56.9	151 700*
		40.0	59.7	55.7	133 500*
		42.0	57.5	54.5	117 400*
		44.0	55.2	53.1	103 200*
		46.0	52.9	51.6	90 600*
		48.0	50.4	50.0	79 200*
		50.0	47.9	48.2	68 900*
		52.0	45.3	46.3	59 700*
		54.0	42.6	44.1	51 200*

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	458 600*
		22.0	79.4	70.7	457 500
		24.0	77.7	70.3	421 000
		26.0	75.9	69.8	352 800*
		28.0	74.2	69.3	302 300*
		30.0	72.5	68.6	261 300*
		32.0	70.7	67.9	227 400*
		34.0	68.9	67.2	198 800*
		36.0	67.1	66.3	174 400*
		38.0	65.3	65.4	153 400*
		40.0	63.4	64.4	135 000*
		42.0	61.5	63.4	118 800*
		44.0	59.6	62.2	104 500*
		46.0	57.6	61.0	91 800*
		48.0	55.6	59.6	80 300*
		50.0	53.5	58.1	69 900*
		52.0	51.4	56.6	60 500*
		54.0	49.2	54.9	52 000*
7 6 2	2 5 0	21.3	81.0	78.6	408 800*
		22.0	80.5	78.5	407 900*
		24.0	78.9	78.1	403 000*
		26.0	77.4	77.7	355 000*
		28.0	75.8	77.2	304 100*
		30.0	74.3	76.6	262 900*
		32.0	72.7	76.0	228 800*
		34.0	71.1	75.3	200 000*
		36.0	69.5	74.6	175 400*
		38.0	67.9	73.8	154 200*
		40.0	66.2	72.9	135 800*
		42.0	64.6	72.0	119 500*
		44.0	62.9	71.0	105 000*
		46.0	61.2	69.9	92 200*
		48.0	59.4	68.7	80 600*
		50.0	57.7	67.4	70 200*
8 3 8	2 7 5	52.0	55.9	66.1	60 700*
		54.0	54.0	64.7	52 100*
		22.9	80.7	86.1	344 300*
		24.0	79.9	85.9	339 900*
		26.0	78.5	85.5	329 300*
		28.0	77.1	85.0	307 500*
		30.0	75.7	84.5	262 900*
		32.0	74.3	84.0	228 800*
		34.0	72.9	83.4	199 900*
		36.0	71.4	82.7	175 300*
		38.0	70.0	82.0	154 100*
		40.0	68.5	81.2	135 600*
		42.0	67.0	80.4	119 200*
		44.0	65.5	79.5	104 800*
		46.0	64.0	78.5	91 900*
		48.0	62.5	77.5	80 300*
		50.0	60.9	76.4	69 900*
		52.0	59.3	75.2	60 400*
		54.0	57.7	73.9	51 700*