

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
715 590 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 715 590 kg AUXILIARY COUNTERWEIGHT.

MAXIMUM BOOM AND JIB LENGTHS LIFTED UNASSISTED	
BOOM LGTH.	JIB NO. 49A-44
106.7m	30.5m
91.4m	48.8m
83.8m	73.2m
LOAD 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-AM FOR JIB CAPACITIES.

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18.3m RINGER ATTACHMENT ON SCREW JACK PEDESTALS

23 590 kg CRANE COUNTERWEIGHT

715 590 kg AUXILIARY COUNTERWEIGHT

360 DEGREE RATING

30.5m (100 FT.) JIB

BOOM 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	733 300*
		22.0	73.9	47.2	702 300*
		24.0	71.3	46.5	581 200*
		26.0	68.6	45.8	498 500*
		28.0	65.9	44.9	432 100*
		30.0	63.1	43.9	377 700*
		32.0	60.2	42.8	332 300*
		34.0	57.2	41.5	293 600*
		36.0	54.1	40.1	260 100*
		38.0	50.9	38.5	230 600*
		40.0	47.6	36.7	204 400*
		42.0	44.0	34.7	180 800*
		44.0	40.2	32.4	159 100*
		46.0	36.0	29.7	139 000*
		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	663 600*
		22.0	76.3	55.1	663 600*
		24.0	74.0	54.6	617 100*
		26.0	71.8	53.9	534 700*
		28.0	69.5	53.2	467 000*
		30.0	67.2	52.3	411 400*
		32.0	64.8	51.4	364 900*
		34.0	62.4	50.4	325 400*
		36.0	59.9	49.2	291 200*
		38.0	57.4	48.0	261 300*
		40.0	54.8	46.6	234 900*
		42.0	52.1	45.1	211 200*
		44.0	49.2	43.4	189 900*
		46.0	46.3	41.5	170 500*
		48.0	43.2	39.4	152 500*
6 1 0	2 0 0	50.0	39.9	37.1	135 800*
		52.0	36.3	34.5	120 100*
		54.0	32.5	31.4	105 100*
		19.8	80.1	63.4	597 800*
		20.0	79.9	63.4	597 800*
		22.0	78.0	63.0	596 200*
		24.0	76.1	62.5	588 000*
		26.0	74.1	61.9	536 800*
		28.0	72.2	61.3	472 300*
		30.0	70.2	60.6	419 400*
		32.0	68.1	59.8	375 100*
		34.0	66.1	58.9	337 100*
		36.0	64.0	57.9	304 200*
		38.0	61.9	56.9	275 400*
		40.0	59.7	55.7	249 900*
		42.0	57.5	54.5	227 100*
		44.0	55.2	53.1	206 600*
		46.0	52.9	51.6	187 900*
		48.0	50.4	50.0	170 800*
		50.0	47.9	48.2	155 000*
		52.0	45.3	46.3	140 400*
		54.0	42.6	44.1	126 700*
		56.0	39.7	41.8	113 700*
		58.0	36.6	39.2	101 400*
		60.0	33.2	36.2	89 500*
		62.0	29.5	32.8	77 900*

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	524 400*
		22.0	79.4	70.7	521 900*
		24.0	77.7	70.3	514 200*
		26.0	75.9	69.8	505 500*
		28.0	74.2	69.3	461 500*
		30.0	72.5	68.6	411 200*
		32.0	70.7	67.9	370 200*
		34.0	68.9	67.2	335 000*
		36.0	67.1	66.3	304 400*
		38.0	65.3	65.4	277 600*
		40.0	63.4	64.4	253 700*
		42.0	61.5	63.4	232 300*
		44.0	59.6	62.2	213 100*
		46.0	57.6	61.0	195 500*
		48.0	55.6	59.6	179 500*
		50.0	53.5	58.1	164 700*
7 6 2	2 5 0	52.0	51.4	56.6	151 000*
		54.0	49.2	54.9	138 200*
		56.0	46.9	53.0	126 200*
		58.0	44.5	51.0	115 000*
		60.0	42.1	48.9	104 300*
		62.0	39.5	46.5	94 100*
		64.0	36.7	43.9	84 300*
		66.0	33.8	41.0	74 800*
		68.0	30.6	37.7	65 500*
		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	444 300*
		28.0	75.8	77.2	432 200*
		30.0	74.3	76.6	394 300*
		32.0	72.7	76.0	355 500*
		34.0	71.1	75.3	323 300*
		36.0	69.5	74.6	295 300*
		38.0	67.9	73.8	270 700*
		40.0	66.2	72.9	248 700*
		42.0	64.6	72.0	229 000*
		44.0	62.9	71.0	211 200*
		46.0	61.2	69.9	195 000*
		48.0	59.4	68.7	180 200*
		50.0	57.7	67.4	166 500*
		52.0	55.9	66.1	153 800*
		54.0	54.0	64.7	142 000*
		56.0	52.1	63.1	131 000*
		58.0	50.2	61.5	120 600*
		60.0	48.2	59.7	110 800*
		62.0	46.1	57.8	101 500*
		64.0	43.9	55.8	92 700*
		66.0	41.7	53.6	84 200*
		68.0	39.3	51.2	76 100*
		70.0	36.9	48.6	68 200*
		72.0	34.3	45.7	60 500*
		74.0	31.4	42.5	52 900*

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23 590 kg CRANE COUNTERWEIGHT

715 590 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	391 600*
		28.0	77.1	85.0	382 300*
		30.0	75.7	84.5	367 100*
		32.0	74.3	84.0	336 400*
		34.0	72.9	83.4	306 900*
		36.0	71.4	82.7	281 300*
		38.0	70.0	82.0	258 700*
		40.0	68.5	81.2	238 600*
		42.0	67.0	80.4	220 600*
		44.0	65.5	79.5	204 300*
		46.0	64.0	78.5	189 400*
		48.0	62.5	77.5	175 800*
		50.0	60.9	76.4	163 200*
		52.0	59.3	75.2	151 600*
		54.0	57.7	73.9	140 800*
		56.0	56.1	72.6	130 600*
		58.0	54.4	71.2	121 200*
		60.0	52.7	69.7	112 200*
		62.0	50.9	68.1	103 700*
		64.0	49.1	66.4	95 600*
		66.0	47.3	64.5	87 900*
		68.0	45.4	62.6	80 600*
		70.0	43.4	60.5	73 600*
9 1 4	3 0 0	72.0	41.4	58.3	66 800*
		74.0	39.2	55.9	60 200*
		76.0	37.0	53.3	53 700*
		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	316 900*
		32.0	75.7	91.9	307 200*
		34.0	74.4	91.3	290 200*
		36.0	73.0	90.7	265 500*
		38.0	71.7	90.1	244 600*
		40.0	70.4	89.4	226 100*
		42.0	69.1	88.6	209 400*
		44.0	67.7	87.8	194 400*
		46.0	66.3	86.9	180 700*
		48.0	65.0	86.0	168 200*
		50.0	63.6	85.0	156 600*
		52.0	62.1	84.0	145 900*
		54.0	60.7	82.8	135 900*
		56.0	59.3	81.7	126 600*
		58.0	57.8	80.4	117 900*
		60.0	56.3	79.1	109 700*
		62.0	54.7	77.7	101 900*
		64.0	53.2	76.2	94 500*
		66.0	51.6	74.6	87 500*
		68.0	50.0	73.0	80 800*
		70.0	48.3	71.2	74 300*
		72.0	46.6	69.3	68 200*
		74.0	44.8	67.4	62 300*
		76.0	43.0	65.2	56 500*
		78.0	41.1	63.0	50 900*

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	252 700*
		36.0	74.4	98.7	244 600*
		38.0	73.2	98.1	230 400*
		40.0	72.0	97.4	213 000*
		42.0	70.7	96.7	197 500*
		44.0	69.5	96.0	183 500*
		46.0	68.3	95.2	170 800*
		48.0	67.0	94.4	159 200*
		50.0	65.7	93.5	148 500*
		52.0	64.5	92.5	138 600*
		54.0	63.2	91.5	129 400*
		56.0	61.9	90.5	120 800*
		58.0	60.5	89.3	112 700*
		60.0	59.2	88.2	105 100*
		62.0	57.8	86.9	98 000*
		64.0	56.4	85.6	91 200*
		66.0	55.0	84.2	84 700*
		68.0	53.6	82.7	78 600*
		70.0	52.1	81.2	72 700*
		72.0	50.6	79.6	67 100*
		74.0	49.1	77.9	61 700*
		76.0	47.6	76.1	56 500*
		78.0	46.0	74.1	51 400*
1 0 6 7	3 5 0	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	202 500*
		40.0	73.3	105.4	195 100*
		42.0	72.2	104.8	185 300*
		44.0	71.0	104.1	171 500*
		46.0	69.9	103.4	159 600*
		48.0	68.7	102.6	148 800*
		50.0	67.6	101.8	138 800*
		52.0	66.4	100.9	129 600*
		54.0	65.2	100.0	121 000*
		56.0	64.0	99.0	113 000*
		58.0	62.8	98.0	105 500*
		60.0	61.6	97.0	98 500*
		62.0	60.4	95.8	91 900*
		64.0	59.1	94.6	85 600*
		66.0	57.9	93.4	79 600*
		68.0	56.6	92.1	74 000*
		70.0	55.3	90.7	68 600*
		72.0	53.9	89.3	63 400*
		74.0	52.6	87.7	58 500*
		76.0	51.2	86.2	53 700*
		78.0	49.8	84.5	49 100*

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23 590 kg CRANE COUNTERWEIGHT

715 590 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	734 000*
		22.0	73.9	47.2	692 400*
		24.0	71.3	46.5	572 900*
		26.0	68.6	45.8	490 300*
		28.0	65.9	44.9	424 100*
		30.0	63.1	43.9	369 900*
		32.0	60.2	42.8	324 600*
		34.0	57.2	41.5	285 900*
		36.0	54.1	40.1	252 500*
		38.0	50.9	38.5	223 100*
		40.0	47.6	36.7	197 000*
		42.0	44.0	34.7	173 400*
		44.0	40.2	32.4	151 800*
		46.0	36.0	29.7	131 700*
		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	664 700*
		22.0	76.3	55.1	664 700*
		24.0	74.0	54.6	611 500*
		26.0	71.8	53.9	527 000*
		28.0	69.5	53.2	459 400*
		30.0	67.2	52.3	404 000*
		32.0	64.8	51.4	357 600*
		34.0	62.4	50.4	318 100*
		36.0	59.9	49.2	284 000*
		38.0	57.4	48.0	254 300*
		40.0	54.8	46.6	227 900*
		42.0	52.1	45.1	204 300*
		44.0	49.2	43.4	183 000*
		46.0	46.3	41.5	163 600*
		48.0	43.2	39.4	145 800*
6 1 0	2 0 0	50.0	39.9	37.1	129 100*
		52.0	36.3	34.5	113 400*
		54.0	32.5	31.4	98 400*
		19.8	80.1	63.4	598 500*
		20.0	79.9	63.4	598 100*
		22.0	78.0	63.0	593 000*
		24.0	76.1	62.5	583 400*
		26.0	74.1	61.9	529 300*
		28.0	72.2	61.3	465 000*
		30.0	70.2	60.6	412 400*
		32.0	68.1	59.8	368 100*
		34.0	66.1	58.9	330 200*
		36.0	64.0	57.9	297 400*
		38.0	61.9	56.9	268 700*
		40.0	59.7	55.7	243 300*
		42.0	57.5	54.5	220 500*
		44.0	55.2	53.1	200 000*
		46.0	52.9	51.6	181 400*
		48.0	50.4	50.0	164 300*
		50.0	47.9	48.2	148 600*
		52.0	45.3	46.3	134 000*
		54.0	42.6	44.1	120 400*
		56.0	39.7	41.8	107 500*
		58.0	36.6	39.2	95 200*
		60.0	33.2	36.2	83 300*
		62.0	29.5	32.8	71 700*

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	520 600*
		22.0	79.4	70.7	518 100*
		24.0	77.7	70.3	510 500*
		26.0	75.9	69.8	501 900*
		28.0	74.2	69.3	454 200*
		30.0	72.5	68.6	404 400*
		32.0	70.7	67.9	363 500*
		34.0	68.9	67.2	328 400*
		36.0	67.1	66.3	297 900*
		38.0	65.3	65.4	271 100*
		40.0	63.4	64.4	247 400*
		42.0	61.5	63.4	226 000*
		44.0	59.6	62.2	206 800*
		46.0	57.6	61.0	189 300*
		48.0	55.6	59.6	173 300*
		50.0	53.5	58.1	158 500*
7 6 2	2 5 0	52.0	51.4	56.6	144 900*
		54.0	49.2	54.9	132 100*
		56.0	46.9	53.0	120 200*
		58.0	44.5	51.0	109 000*
		60.0	42.1	48.9	98 300*
		62.0	39.5	46.5	88 200*
		64.0	36.7	43.9	78 400*
		66.0	33.8	41.0	68 900*
		68.0	30.6	37.7	59 600*
		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	441 600*
		28.0	75.8	77.2	429 100*
		30.0	74.3	76.6	387 300*
		32.0	72.7	76.0	349 100*
		34.0	71.1	75.3	317 000*
		36.0	69.5	74.6	289 100*
		38.0	67.9	73.8	264 500*
		40.0	66.2	72.9	242 600*
		42.0	64.6	72.0	223 000*
		44.0	62.9	71.0	205 200*
		46.0	61.2	69.9	189 100*
		48.0	59.4	68.7	174 200*
		50.0	57.7	67.4	160 600*
		52.0	55.9	66.1	148 000*
		54.0	54.0	64.7	136 200*
		56.0	52.1	63.1	125 200*
		58.0	50.2	61.5	114 800*
		60.0	48.2	59.7	105 100*
		62.0	46.1	57.8	95 800*
		64.0	43.9	55.8	87 000*
		66.0	41.7	53.6	78 600*
		68.0	39.3	51.2	70 400*
		70.0	36.9	48.6	62 500*
		72.0	34.3	45.7	54 900*

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

715 590 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	390 300*
		28.0	77.1	85.0	383 300*
		30.0	75.7	84.5	363 600*
		32.0	74.3	84.0	330 100*
		34.0	72.9	83.4	300 700*
		36.0	71.4	82.7	275 200*
		38.0	70.0	82.0	252 700*
		40.0	68.5	81.2	232 600*
		42.0	67.0	80.4	214 700*
		44.0	65.5	79.5	198 400*
		46.0	64.0	78.5	183 600*
		48.0	62.5	77.5	170 000*
		50.0	60.9	76.4	157 500*
		52.0	59.3	75.2	145 900*
		54.0	57.7	73.9	135 100*
		56.0	56.1	72.6	125 000*
		58.0	54.4	71.2	115 500*
		60.0	52.7	69.7	106 600*
		62.0	50.9	68.1	98 100*
		64.0	49.1	66.4	90 100*
		66.0	47.3	64.5	82 500*
		68.0	45.4	62.6	75 100*
		70.0	43.4	60.5	68 100*
		72.0	41.4	58.3	61 300*
		74.0	39.2	55.9	54 700*
		76.0	37.0	53.3	48 300*

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	318 000*
		32.0	75.7	91.9	308 000*
		34.0	74.4	91.3	283 500*
		36.0	73.0	90.7	259 600*
		38.0	71.7	90.1	238 800*
		40.0	70.4	89.4	220 300*
		42.0	69.1	88.6	203 700*
		44.0	67.7	87.8	188 700*
		46.0	66.3	86.9	175 100*
		48.0	65.0	86.0	162 600*
		50.0	63.6	85.0	151 000*
		52.0	62.1	84.0	140 400*
		54.0	60.7	82.8	130 400*
		56.0	59.3	81.7	121 200*
		58.0	57.8	80.4	112 400*
		60.0	56.3	79.1	104 200*
		62.0	54.7	77.7	96 500*
		64.0	53.2	76.2	89 100*
		66.0	51.6	74.6	82 100*
		68.0	50.0	73.0	75 400*
		70.0	48.3	71.2	69 000*
		72.0	46.6	69.3	62 900*
		74.0	44.8	67.4	57 000*
		76.0	43.0	65.2	51 300*

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

715 590 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	720 700*
		22.0	73.9	47.2	682 800*
		24.0	71.3	46.5	563 300*
		26.0	68.6	45.8	481 000*
		28.0	65.9	44.9	415 000*
		30.0	63.1	43.9	360 900*
		32.0	60.2	42.8	315 800*
		34.0	57.2	41.5	277 300*
		36.0	54.1	40.1	244 000*
		38.0	50.9	38.5	214 700*
		40.0	47.6	36.7	188 700*
		42.0	44.0	34.7	165 200*
		44.0	40.2	32.4	143 700*
		46.0	36.0	29.7	123 700*
		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	652 000*
		22.0	76.3	55.1	652 000*
		24.0	74.0	54.6	601 500*
		26.0	71.8	53.9	518 100*
		28.0	69.5	53.2	450 700*
		30.0	67.2	52.3	395 500*
		32.0	64.8	51.4	349 300*
		34.0	62.4	50.4	310 000*
		36.0	59.9	49.2	276 000*
		38.0	57.4	48.0	246 300*
		40.0	54.8	46.6	220 000*
		42.0	52.1	45.1	196 500*
		44.0	49.2	43.4	175 300*
		46.0	46.3	41.5	156 000*
		48.0	43.2	39.4	138 200*
6 1 0	2 0 0	50.0	39.9	37.1	121 600*
		52.0	36.3	34.5	106 000*
		54.0	32.5	31.4	91 100*
		19.8	80.1	63.4	586 800*
		20.0	79.9	63.4	586 800*
		22.0	78.0	63.0	586 800*
		24.0	76.1	62.5	581 900*
		26.0	74.1	61.9	520 600*
		28.0	72.2	61.3	456 800*
		30.0	70.2	60.6	404 200*
		32.0	68.1	59.8	360 100*
		34.0	66.1	58.9	322 400*
		36.0	64.0	57.9	289 700*
		38.0	61.9	56.9	261 100*
		40.0	59.7	55.7	235 800*
		42.0	57.5	54.5	213 100*
		44.0	55.2	53.1	192 700*
		46.0	52.9	51.6	174 100*
		48.0	50.4	50.0	157 200*
		50.0	47.9	48.2	141 500*
		52.0	45.3	46.3	127 000*
		54.0	42.6	44.1	113 300*
		56.0	39.7	41.8	100 500*
		58.0	36.6	39.2	88 300*
		60.0	33.2	36.2	76 500*
		62.0	29.5	32.8	64 900*

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	517 000*
		22.0	79.4	70.7	514 700*
		24.0	77.7	70.3	507 400*
		26.0	75.9	69.8	497 900*
		28.0	74.2	69.3	445 700*
		30.0	72.5	68.6	396 600*
		32.0	70.7	67.9	355 900*
		34.0	68.9	67.2	320 900*
		36.0	67.1	66.3	290 600*
		38.0	65.3	65.4	263 900*
		40.0	63.4	64.4	240 200*
		42.0	61.5	63.4	218 900*
		44.0	59.6	62.2	199 800*
		46.0	57.6	61.0	182 300*
		48.0	55.6	59.6	166 400*
		50.0	53.5	58.1	151 700*
7 6 2	2 5 0	52.0	51.4	56.6	138 100*
		54.0	49.2	54.9	125 400*
		56.0	46.9	53.0	113 500*
		58.0	44.5	51.0	102 300*
		60.0	42.1	48.9	91 700*
		62.0	39.5	46.5	81 600*
		64.0	36.7	43.9	71 900*
		66.0	33.8	41.0	62 400*
		68.0	30.6	37.7	53 200*
		21.3	81.0	78.6	451 500*
		22.0	80.5	78.5	449 500*
		24.0	78.9	78.1	443 600*
		26.0	77.4	77.7	436 100*
		28.0	75.8	77.2	422 100*
		30.0	74.3	76.6	379 700*
		32.0	72.7	76.0	341 800*
		34.0	71.1	75.3	309 800*
		36.0	69.5	74.6	282 000*
		38.0	67.9	73.8	257 500*
		40.0	66.2	72.9	235 700*
		42.0	64.6	72.0	216 100*
		44.0	62.9	71.0	198 400*
		46.0	61.2	69.9	182 300*
		48.0	59.4	68.7	167 600*
		50.0	57.7	67.4	154 000*
		52.0	55.9	66.1	141 400*
		54.0	54.0	64.7	129 700*
		56.0	52.1	63.1	118 700*
		58.0	50.2	61.5	108 400*
		60.0	48.2	59.7	98 700*
		62.0	46.1	57.8	89 500*
		64.0	43.9	55.8	80 700*
		66.0	41.7	53.6	72 300*
		68.0	39.3	51.2	64 200*
		70.0	36.9	48.6	56 400*

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

715 590 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	383 300*
		28.0	77.1	85.0	374 200*
		30.0	75.7	84.5	355 600*
		32.0	74.3	84.0	322 800*
		34.0	72.9	83.4	293 600*
		36.0	71.4	82.7	268 200*
		38.0	70.0	82.0	245 800*
		40.0	68.5	81.2	225 900*
		42.0	67.0	80.4	208 000*
		44.0	65.5	79.5	191 800*
		46.0	64.0	78.5	177 000*
		48.0	62.5	77.5	163 500*
		50.0	60.9	76.4	151 100*
		52.0	59.3	75.2	139 500*
		54.0	57.7	73.9	128 700*
		56.0	56.1	72.6	118 700*
		58.0	54.4	71.2	109 300*
		60.0	52.7	69.7	100 400*
		62.0	50.9	68.1	92 000*
		64.0	49.1	66.4	84 000*
		66.0	47.3	64.5	76 400*
		68.0	45.4	62.6	69 100*
		70.0	43.4	60.5	62 100*
		72.0	41.4	58.3	55 300*
		74.0	39.2	55.9	48 800*

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	309 300*
		32.0	75.7	91.9	299 400*
		34.0	74.4	91.3	276 800*
		36.0	73.0	90.7	252 800*
		38.0	71.7	90.1	232 200*
		40.0	70.4	89.4	213 700*
		42.0	69.1	88.6	197 200*
		44.0	67.7	87.8	182 300*
		46.0	66.3	86.9	168 800*
		48.0	65.0	86.0	156 300*
		50.0	63.6	85.0	144 800*
		52.0	62.1	84.0	134 200*
		54.0	60.7	82.8	124 300*
		56.0	59.3	81.7	115 100*
		58.0	57.8	80.4	106 400*
		60.0	56.3	79.1	98 200*
		62.0	54.7	77.7	90 500*
		64.0	53.2	76.2	83 200*
		66.0	51.6	74.6	76 200*
		68.0	50.0	73.0	69 600*
		70.0	48.3	71.2	63 200*
		72.0	46.6	69.3	57 100*
		74.0	44.8	67.4	51 200*

MANITOWOC ENGINEERING CO.

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LIFTCRANE BOOM CAPACITIES WITH JIB ATTACHED

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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 10 DEGREE OFFSET

18.3m RINGER ATTACHMENT ON SCREW JACK PEDESTALS

23 590 kg CRANE COUNTERWEIGHT

715 590 kg AUXILIARY COUNTERWEIGHT

360 DEGREE RATING

48.8m (160 FT.) JIB

BOOM 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	708 900*
		22.0	73.9	47.2	673 900*
		24.0	71.3	46.5	554 400*
		26.0	68.6	45.8	472 400*
		28.0	65.9	44.9	406 500*
		30.0	63.1	43.9	352 700*
		32.0	60.2	42.8	307 700*
		34.0	57.2	41.5	269 300*
		36.0	54.1	40.1	236 100*
		38.0	50.9	38.5	206 900*
		40.0	47.6	36.7	181 000*
		42.0	44.0	34.7	157 600*
		44.0	40.2	32.4	136 200*
		46.0	36.0	29.7	116 200*
		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	641 000*
		22.0	76.3	55.1	641 000*
		24.0	74.0	54.6	592 400*
		26.0	71.8	53.9	509 900*
		28.0	69.5	53.2	442 700*
		30.0	67.2	52.3	387 700*
		32.0	64.8	51.4	341 700*
		34.0	62.4	50.4	302 400*
		36.0	59.9	49.2	268 600*
		38.0	57.4	48.0	239 000*
		40.0	54.8	46.6	212 800*
		42.0	52.1	45.1	189 400*
		44.0	49.2	43.4	168 300*
		46.0	46.3	41.5	149 000*
		48.0	43.2	39.4	131 300*
6 1 0	2 0 0	50.0	39.9	37.1	114 800*
		52.0	36.3	34.5	99 200*
		54.0	32.5	31.4	84 400*
		19.8	80.1	63.4	577 100*
		20.0	79.9	63.4	577 100*
		22.0	78.0	63.0	577 100*
		24.0	76.1	62.5	573 900*
		26.0	74.1	61.9	512 900*
		28.0	72.2	61.3	449 300*
		30.0	70.2	60.6	396 900*
		32.0	68.1	59.8	353 000*
		34.0	66.1	58.9	315 400*
		36.0	64.0	57.9	282 800*
		38.0	61.9	56.9	254 300*
		40.0	59.7	55.7	229 000*
		42.0	57.5	54.5	206 400*
		44.0	55.2	53.1	186 000*
		46.0	52.9	51.6	167 600*
		48.0	50.4	50.0	150 700*
		50.0	47.9	48.2	135 000*
		52.0	45.3	46.3	120 500*
		54.0	42.6	44.1	107 000*
		56.0	39.7	41.8	94 200*
		58.0	36.6	39.2	82 000*
		60.0	33.2	36.2	70 200*

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	514 900*
		22.0	79.4	70.7	512 100*
		24.0	77.7	70.3	503 000*
		26.0	75.9	69.8	492 100*
		28.0	74.2	69.3	438 200*
		30.0	72.5	68.6	389 500*
		32.0	70.7	67.9	349 000*
		34.0	68.9	67.2	314 100*
		36.0	67.1	66.3	283 900*
		38.0	65.3	65.4	257 300*
		40.0	63.4	64.4	233 700*
		42.0	61.5	63.4	212 500*
		44.0	59.6	62.2	193 400*
		46.0	57.6	61.0	176 100*
		48.0	55.6	59.6	160 200*
		50.0	53.5	58.1	145 500*
7 6 2	2 5 0	52.0	51.4	56.6	132 000*
		54.0	49.2	54.9	119 300*
		56.0	46.9	53.0	107 500*
		58.0	44.5	51.0	96 400*
		60.0	42.1	48.9	85 800*
		62.0	39.5	46.5	75 700*
		64.0	36.7	43.9	66 000*
		66.0	33.8	41.0	56 600*
		21.3	81.0	78.6	448 200*
		22.0	80.5	78.5	445 800*
		24.0	78.9	78.1	438 100*
		26.0	77.4	77.7	430 000*
		28.0	75.8	77.2	415 900*
		30.0	74.3	76.6	372 800*
		32.0	72.7	76.0	335 200*
		34.0	71.1	75.3	303 300*
		36.0	69.5	74.6	275 600*
		38.0	67.9	73.8	251 200*
		40.0	66.2	72.9	229 500*
		42.0	64.6	72.0	210 000*
		44.0	62.9	71.0	192 400*
		46.0	61.2	69.9	176 300*
		48.0	59.4	68.7	161 600*
		50.0	57.7	67.4	148 100*
		52.0	55.9	66.1	135 500*
		54.0	54.0	64.7	123 900*
		56.0	52.1	63.1	112 900*
		58.0	50.2	61.5	102 700*
		60.0	48.2	59.7	93 000*
		62.0	46.1	57.8	83 800*
		64.0	43.9	55.8	75 100*
		66.0	41.7	53.6	66 700*
		68.0	39.3	51.2	58 600*
		70.0	36.9	48.6	50 800*

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

715 590 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
8 3 · 8	2 7 5	22.9	80.7	86.1	387 100*
		24.0	79.9	85.9	383 500*
		26.0	78.5	85.5	376 800*
		28.0	77.1	85.0	366 800*
		30.0	75.7	84.5	348 700*
		32.0	74.3	84.0	316 400*
		34.0	72.9	83.4	287 200*
		36.0	71.4	82.7	261 900*
		38.0	70.0	82.0	239 600*
		40.0	68.5	81.2	219 800*
		42.0	67.0	80.4	202 000*
		44.0	65.5	79.5	185 900*
		46.0	64.0	78.5	171 100*
		48.0	62.5	77.5	157 700*
		50.0	60.9	76.4	145 300*
		52.0	59.3	75.2	133 800*
		54.0	57.7	73.9	123 100*
		56.0	56.1	72.6	113 100*
		58.0	54.4	71.2	103 700*
		60.0	52.7	69.7	94 800*
		62.0	50.9	68.1	86 500*
		64.0	49.1	66.4	78 500*
		66.0	47.3	64.5	70 900*
		68.0	45.4	62.6	63 600*
		70.0	43.4	60.5	56 700*
		72.0	41.4	58.3	50 000*

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	302 200*
		32.0	75.7	91.9	292 400*
		34.0	74.4	91.3	270 700*
		36.0	73.0	90.7	246 800*
		38.0	71.7	90.1	226 200*
		40.0	70.4	89.4	207 900*
		42.0	69.1	88.6	191 500*
		44.0	67.7	87.8	176 600*
		46.0	66.3	86.9	163 100*
		48.0	65.0	86.0	150 700*
		50.0	63.6	85.0	139 300*
		52.0	62.1	84.0	128 700*
		54.0	60.7	82.8	118 800*
		56.0	59.3	81.7	109 600*
		58.0	57.8	80.4	101 000*
		60.0	56.3	79.1	92 900*
		62.0	54.7	77.7	85 200*
		64.0	53.2	76.2	77 900*
		66.0	51.6	74.6	70 900*
		68.0	50.0	73.0	64 300*
		70.0	48.3	71.2	58 000*
		72.0	46.6	69.3	51 900*

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

715 590 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	695 100*
		22.0	73.9	47.2	664 100*
		24.0	71.3	46.5	544 500*
		26.0	68.6	45.8	462 700*
		28.0	65.9	44.9	397 100*
		30.0	63.1	43.9	343 400*
		32.0	60.2	42.8	298 600*
		34.0	57.2	41.5	260 300*
		36.0	54.1	40.1	227 200*
		38.0	50.9	38.5	198 200*
		40.0	47.6	36.7	172 300*
		42.0	44.0	34.7	149 000*
		44.0	40.2	32.4	127 600*
		46.0	36.0	29.7	107 800*
		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	627 800*
		22.0	76.3	55.1	627 800*
		24.0	74.0	54.6	582 100*
		26.0	71.8	53.9	500 800*
		28.0	69.5	53.2	433 800*
		30.0	67.2	52.3	379 000*
		32.0	64.8	51.4	333 100*
		34.0	62.4	50.4	294 000*
		36.0	59.9	49.2	260 200*
		38.0	57.4	48.0	230 700*
		40.0	54.8	46.6	204 600*
		42.0	52.1	45.1	181 300*
		44.0	49.2	43.4	160 300*
		46.0	46.3	41.5	141 100*
		48.0	43.2	39.4	123 500*
6 1 0	2 0 0	50.0	39.9	37.1	107 000*
		52.0	36.3	34.5	91 500*
		54.0	32.5	31.4	76 700*
		19.8	80.1	63.4	565 000*
		20.0	79.9	63.4	565 000*
		22.0	78.0	63.0	565 000*
		24.0	76.1	62.5	565 000*
		26.0	74.1	61.9	504 200*
		28.0	72.2	61.3	440 800*
		30.0	70.2	60.6	388 600*
		32.0	68.1	59.8	344 900*
		34.0	66.1	58.9	307 400*
		36.0	64.0	57.9	274 900*
		38.0	61.9	56.9	246 500*
		40.0	59.7	55.7	221 300*
		42.0	57.5	54.5	198 800*
		44.0	55.2	53.1	178 500*
		46.0	52.9	51.6	160 100*
		48.0	50.4	50.0	143 200*
		50.0	47.9	48.2	127 700*
		52.0	45.3	46.3	113 200*
		54.0	42.6	44.1	99 700*
		56.0	39.7	41.8	87 000*
		58.0	36.6	39.2	74 900*
		60.0	33.2	36.2	63 200*
		62.0	29.5	32.8	51 700*

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	506 900*
		22.0	79.4	70.7	504 300*
		24.0	77.7	70.3	495 500*
		26.0	75.9	69.8	484 600*
		28.0	74.2	69.3	430 000*
		30.0	72.5	68.6	381 600*
		32.0	70.7	67.9	341 200*
		34.0	68.9	67.2	306 500*
		36.0	67.1	66.3	276 400*
		38.0	65.3	65.4	249 900*
		40.0	63.4	64.4	226 300*
		42.0	61.5	63.4	205 300*
		44.0	59.6	62.2	186 200*
		46.0	57.6	61.0	168 900*
		48.0	55.6	59.6	153 100*
		50.0	53.5	58.1	138 500*
7 6 2	2 5 0	52.0	51.4	56.6	125 000*
		54.0	49.2	54.9	112 400*
		56.0	46.9	53.0	100 600*
		58.0	44.5	51.0	89 600*
		60.0	42.1	48.9	79 000*
		62.0	39.5	46.5	69 000*
		64.0	36.7	43.9	59 300*
		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	422 200*
		28.0	75.8	77.2	408 100*
		30.0	74.3	76.6	365 200*
		32.0	72.7	76.0	327 700*
		34.0	71.1	75.3	296 000*
		36.0	69.5	74.6	268 400*
		38.0	67.9	73.8	244 100*
		40.0	66.2	72.9	222 500*
		42.0	64.6	72.0	203 100*
		44.0	62.9	71.0	185 500*
		46.0	61.2	69.9	169 500*
		48.0	59.4	68.7	154 900*
		50.0	57.7	67.4	141 400*
		52.0	55.9	66.1	128 900*
		54.0	54.0	64.7	117 300*
		56.0	52.1	63.1	106 400*
		58.0	50.2	61.5	96 100*
		60.0	48.2	59.7	86 500*
		62.0	46.1	57.8	77 300*
		64.0	43.9	55.8	68 700*
		66.0	41.7	53.6	60 300*
		68.0	39.3	51.2	52 300*

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

715 590 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
8 3 · 8	2 7 5	22.9	80.7	86.1	374 900*
		24.0	79.9	85.9	371 300*
		26.0	78.5	85.5	364 700*
		28.0	77.1	85.0	353 400*
		30.0	75.7	84.5	339 000*
		32.0	74.3	84.0	309 200*
		34.0	72.9	83.4	280 200*
		36.0	71.4	82.7	255 000*
		38.0	70.0	82.0	232 800*
		40.0	68.5	81.2	213 000*
		42.0	67.0	80.4	195 300*
		44.0	65.5	79.5	179 200*
		46.0	64.0	78.5	164 600*
		48.0	62.5	77.5	151 200*

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	50.0	60.9	76.4	138 800*
		52.0	59.3	75.2	127 400*
		54.0	57.7	73.9	116 700*
		56.0	56.1	72.6	106 700*
		58.0	54.4	71.2	97 400*
		60.0	52.7	69.7	88 500*
		62.0	50.9	68.1	80 200*
		64.0	49.1	66.4	72 300*
		66.0	47.3	64.5	64 700*
		68.0	45.4	62.6	57 500*
		70.0	43.4	60.5	50 600*

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
715 590 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	685 400*
		18.0	79.1	48.2	685 400*
		20.0	76.5	47.8	685 400*
		22.0	73.9	47.2	645 600*
		24.0	71.3	46.5	537 200*
		26.0	68.6	45.8	455 600*
		28.0	65.9	44.9	390 100*
		30.0	63.1	43.9	336 500*
		32.0	60.2	42.8	291 700*
		34.0	57.2	41.5	253 600*
		36.0	54.1	40.1	220 500*
		38.0	50.9	38.5	191 500*
		40.0	47.6	36.7	165 700*
		42.0	44.0	34.7	142 500*
		44.0	40.2	32.4	121 200*
		46.0	36.0	29.7	101 400*
		48.0	31.4	26.6	82 500*
5 3 3	1 7 5	18.3	80.4	55.9	618 200*
		20.0	78.5	55.6	618 200*
		22.0	76.3	55.1	618 200*
		24.0	74.0	54.6	574 500*
		26.0	71.8	53.9	494 000*
		28.0	69.5	53.2	427 200*
		30.0	67.2	52.3	372 400*
		32.0	64.8	51.4	326 700*
		34.0	62.4	50.4	287 700*
		36.0	59.9	49.2	254 000*
		38.0	57.4	48.0	224 600*
		40.0	54.8	46.6	198 500*
		42.0	52.1	45.1	175 300*
		44.0	49.2	43.4	154 300*
		46.0	46.3	41.5	135 200*
		48.0	43.2	39.4	117 500*
6 1 0	2 0 0	50.0	39.9	37.1	101 100*
		52.0	36.3	34.5	85 700*
		54.0	32.5	31.4	70 900*
		19.8	80.1	63.4	556 100*
		20.0	79.9	63.4	556 100*
		22.0	78.0	63.0	556 100*
		24.0	76.1	62.5	556 100*
		26.0	74.1	61.9	497 800*
		28.0	72.2	61.3	434 500*
		30.0	70.2	60.6	382 500*
		32.0	68.1	59.8	338 800*
		34.0	66.1	58.9	301 400*
		36.0	64.0	57.9	269 000*
		38.0	61.9	56.9	240 700*
		40.0	59.7	55.7	215 600*
		42.0	57.5	54.5	193 100*
		44.0	55.2	53.1	172 900*
		46.0	52.9	51.6	154 500*
		48.0	50.4	50.0	137 700*
		50.0	47.9	48.2	122 200*
		52.0	45.3	46.3	107 800*
		54.0	42.6	44.1	94 300*
		56.0	39.7	41.8	81 600*
		58.0	36.6	39.2	69 500*
		60.0	33.2	36.2	57 800*
6 8 6	2 2 5	21.3	79.9	70.9	498 800*
		22.0	79.4	70.7	497 400*
		24.0	77.7	70.3	490 400*
		26.0	75.9	69.8	479 300*
		28.0	74.2	69.3	424 000*
		30.0	72.5	68.6	375 800*
		32.0	70.7	67.9	335 500*
		34.0	68.9	67.2	300 900*
		36.0	67.1	66.3	270 800*
		38.0	65.3	65.4	244 400*
		40.0	63.4	64.4	220 900*
		42.0	61.5	63.4	199 900*
		44.0	59.6	62.2	180 900*
		46.0	57.6	61.0	163 700*
		48.0	55.6	59.6	147 900*
		50.0	53.5	58.1	133 300*
7 6 2	2 5 0	52.0	51.4	56.6	119 900*
		54.0	49.2	54.9	107 300*
		56.0	46.9	53.0	95 500*
		58.0	44.5	51.0	84 500*
		60.0	42.1	48.9	74 000*
		62.0	39.5	46.5	64 000*
		64.0	36.7	43.9	54 400*
		21.3	81.0	78.6	435 100*
		22.0	80.5	78.5	432 500*
		24.0	78.9	78.1	424 700*
		26.0	77.4	77.7	416 700*
		28.0	75.8	77.2	402 600*
		30.0	74.3	76.6	359 700*
		32.0	72.7	76.0	322 300*
		34.0	71.1	75.3	290 700*
		36.0	69.5	74.6	263 200*
		38.0	67.9	73.8	238 900*
		40.0	66.2	72.9	217 300*
		42.0	64.6	72.0	198 000*
		44.0	62.9	71.0	180 500*
		46.0	61.2	69.9	164 500*
		48.0	59.4	68.7	149 900*
		50.0	57.7	67.4	136 500*
		52.0	55.9	66.1	124 000*
		54.0	54.0	64.7	112 400*
		56.0	52.1	63.1	101 500*
		58.0	50.2	61.5	91 400*
		60.0	48.2	59.7	81 700*
		62.0	46.1	57.8	72 600*
		64.0	43.9	55.8	63 900*
		66.0	41.7	53.6	55 600*
		68.0	39.3	51.2	47 600*

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 10 DEGREE OFFSET

18.3m RINGER ATTACHMENT ON SCREW JACK PEDESTALS

23 590 kg CRANE COUNTERWEIGHT

715 590 kg AUXILIARY COUNTERWEIGHT

360 DEGREE RATING

61.0m (200 FT.) JIB

BOOM 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	369 200*
		24.0	79.9	85.9	365 600*
		26.0	78.5	85.5	359 000*
		28.0	77.1	85.0	347 000*
		30.0	75.7	84.5	333 200*
		32.0	74.3	84.0	303 900*
		34.0	72.9	83.4	275 000*
		36.0	71.4	82.7	249 900*
		38.0	70.0	82.0	227 700*
		40.0	68.5	81.2	208 000*
		42.0	67.0	80.4	190 300*
		44.0	65.5	79.5	174 300*
		46.0	64.0	78.5	159 800*
		48.0	62.5	77.5	146 400*

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	50.0	60.9	76.4	134 100*
		52.0	59.3	75.2	122 600*
		54.0	57.7	73.9	112 000*
		56.0	56.1	72.6	102 100*
		58.0	54.4	71.2	92 700*
		60.0	52.7	69.7	83 900*
		62.0	50.9	68.1	75 600*
		64.0	49.1	66.4	67 700*
		66.0	47.3	64.5	60 200*
		68.0	45.4	62.6	53 000*
		70.0	43.4	60.5	46 100*

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LIFT CRANE BOOM CAPACITIES WITH JIB ATTACHED

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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 10 DEGREE OFFSET

18.3m RINGER ATTACHMENT ON SCREW JACK PEDESTALS

23 590 kg CRANE COUNTERWEIGHT

715 590 kg AUXILIARY COUNTERWEIGHT

360 DEGREE RATING

67.1m (220 FT.) JIB

BOOM 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	674 800*
		22.0	73.9	47.2	647 300*
		24.0	71.3	46.5	530 000*
		26.0	68.6	45.8	448 300*
		28.0	65.9	44.9	382 900*
		30.0	63.1	43.9	329 400*
		32.0	60.2	42.8	284 700*
		34.0	57.2	41.5	246 600*
		36.0	54.1	40.1	213 600*
		38.0	50.9	38.5	184 700*
		40.0	47.6	36.7	158 900*
		42.0	44.0	34.7	135 700*
		44.0	40.2	32.4	114 500*
		46.0	36.0	29.7	94 700*
		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	608 200*
		22.0	76.3	55.1	607 800*
		24.0	74.0	54.6	571 800*
		26.0	71.8	53.9	487 200*
		28.0	69.5	53.2	420 500*
		30.0	67.2	52.3	365 800*
		32.0	64.8	51.4	320 200*
		34.0	62.4	50.4	281 200*
		36.0	59.9	49.2	247 600*
		38.0	57.4	48.0	218 300*
		40.0	54.8	46.6	192 300*
		42.0	52.1	45.1	169 100*
		44.0	49.2	43.4	148 100*
		46.0	46.3	41.5	129 000*
		48.0	43.2	39.4	111 400*
6 1 0	2 0 0	50.0	39.9	37.1	95 100*
		52.0	36.3	34.5	79 700*
		54.0	32.5	31.4	64 900*
		19.8	80.1	63.4	547 300*
		20.0	79.9	63.4	547 300*
		22.0	78.0	63.0	547 100*
		24.0	76.1	62.5	547 100*
		26.0	74.1	61.9	491 500*
		28.0	72.2	61.3	428 200*
		30.0	70.2	60.6	376 300*
		32.0	68.1	59.8	332 700*
		34.0	66.1	58.9	295 400*
		36.0	64.0	57.9	263 100*
		38.0	61.9	56.9	234 800*
		40.0	59.7	55.7	209 700*
		42.0	57.5	54.5	187 300*
		44.0	55.2	53.1	167 200*
		46.0	52.9	51.6	148 800*
		48.0	50.4	50.0	132 000*
		50.0	47.9	48.2	116 600*
		52.0	45.3	46.3	102 200*
		54.0	42.6	44.1	88 800*
		56.0	39.7	41.8	76 100*
		58.0	36.6	39.2	64 000*
		60.0	33.2	36.2	52 300*

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	490 700*
		22.0	79.4	70.7	490 500*
		24.0	77.7	70.3	485 400*
		26.0	75.9	69.8	474 000*
		28.0	74.2	69.3	418 000*
		30.0	72.5	68.6	370 000*
		32.0	70.7	67.9	329 800*
		34.0	68.9	67.2	295 200*
		36.0	67.1	66.3	265 200*
		38.0	65.3	65.4	238 900*
		40.0	63.4	64.4	215 500*
		42.0	61.5	63.4	194 500*
		44.0	59.6	62.2	175 500*
		46.0	57.6	61.0	158 300*
		48.0	55.6	59.6	142 600*
		50.0	53.5	58.1	128 000*
7 6 2	2 5 0	52.0	51.4	56.6	114 600*
		54.0	49.2	54.9	102 100*
		56.0	46.9	53.0	90 300*
		58.0	44.5	51.0	79 300*
		60.0	42.1	48.9	68 800*
		62.0	39.5	46.5	58 800*
		64.0	36.7	43.9	49 200*
		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	411 300*
		28.0	75.8	77.2	397 100*
		30.0	74.3	76.6	354 200*
		32.0	72.7	76.0	316 900*
		34.0	71.1	75.3	285 400*
		36.0	69.5	74.6	257 900*
		38.0	67.9	73.8	233 700*
		40.0	66.2	72.9	212 200*
		42.0	64.6	72.0	192 800*
		44.0	62.9	71.0	175 400*
		46.0	61.2	69.9	159 500*
		48.0	59.4	68.7	144 900*
		50.0	57.7	67.4	131 500*
		52.0	55.9	66.1	119 000*
		54.0	54.0	64.7	107 400*
		56.0	52.1	63.1	96 600*
		58.0	50.2	61.5	86 400*
		60.0	48.2	59.7	76 800*
		62.0	46.1	57.8	67 700*
		64.0	43.9	55.8	59 000*
		66.0	41.7	53.6	50 800*

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

715 590 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
8 3 · 8	2 7 5	22.9	80.7	86.1	363 600*
		24.0	79.9	85.9	360 000*
		26.0	78.5	85.5	352 800*
		28.0	77.1	85.0	340 800*
		30.0	75.7	84.5	327 500*
		32.0	74.3	84.0	298 600*
		34.0	72.9	83.4	269 800*
		36.0	71.4	82.7	244 700*
		38.0	70.0	82.0	222 600*
		40.0	68.5	81.2	203 000*
		42.0	67.0	80.4	185 400*
		44.0	65.5	79.5	169 400*
		46.0	64.0	78.5	154 800*
		48.0	62.5	77.5	141 500*

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	50.0	60.9	76.4	129 200*
		52.0	59.3	75.2	117 800*
		54.0	57.7	73.9	107 200*
		56.0	56.1	72.6	97 300*
		58.0	54.4	71.2	88 000*
		60.0	52.7	69.7	79 200*
		62.0	50.9	68.1	70 900*
		64.0	49.1	66.4	63 100*
		66.0	47.3	64.5	55 600*
		68.0	45.4	62.6	48 300*

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18.3m RINGER ATTACHMENT ON SCREW JACK PEDESTALS

23 590 kg CRANE COUNTERWEIGHT

715 590 kg AUXILIARY COUNTERWEIGHT

360 DEGREE RATING

73.2m (240 FT.) JIB

BOOM 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	659 900*
		22.0	73.9	47.2	633 800*
		24.0	71.3	46.5	522 600*
		26.0	68.6	45.8	440 600*
		28.0	65.9	44.9	375 500*
		30.0	63.1	43.9	322 300*
		32.0	60.2	42.8	277 800*
		34.0	57.2	41.5	239 900*
		36.0	54.1	40.1	207 000*
		38.0	50.9	38.5	178 300*
		40.0	47.6	36.7	152 700*
		42.0	44.0	34.7	129 600*
		44.0	40.2	32.4	108 500*
		46.0	36.0	29.7	88 800*
		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	595 600*
		22.0	76.3	55.1	594 700*
		24.0	74.0	54.6	562 100*
		26.0	71.8	53.9	479 800*
		28.0	69.5	53.2	413 400*
		30.0	67.2	52.3	359 100*
		32.0	64.8	51.4	313 600*
		34.0	62.4	50.4	274 900*
		36.0	59.9	49.2	241 400*
		38.0	57.4	48.0	212 200*
		40.0	54.8	46.6	186 400*
		42.0	52.1	45.1	163 300*
		44.0	49.2	43.4	142 500*
		46.0	46.3	41.5	123 500*
		48.0	43.2	39.4	106 000*
6 1 0	2 0 0	50.0	39.9	37.1	89 800*
		52.0	36.3	34.5	74 500*
		54.0	32.5	31.4	59 800*
		19.8	80.1	63.4	536 500*
		20.0	79.9	63.4	536 400*
		22.0	78.0	63.0	535 800*
		24.0	76.1	62.5	535 200*
		26.0	74.1	61.9	484 500*
		28.0	72.2	61.3	421 600*
		30.0	70.2	60.6	369 900*
		32.0	68.1	59.8	326 500*
		34.0	66.1	58.9	289 300*
		36.0	64.0	57.9	257 200*
		38.0	61.9	56.9	229 100*
		40.0	59.7	55.7	204 100*
		42.0	57.5	54.5	181 900*
		44.0	55.2	53.1	161 800*
		46.0	52.9	51.6	143 500*
		48.0	50.4	50.0	126 800*
		50.0	47.9	48.2	111 500*
		52.0	45.3	46.3	97 200*
		54.0	42.6	44.1	83 900*
		56.0	39.7	41.8	71 200*
		58.0	36.6	39.2	59 200*

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	480 800*
		22.0	79.4	70.7	480 800*
		24.0	77.7	70.3	478 000*
		26.0	75.9	69.8	468 200*
		28.0	74.2	69.3	411 400*
		30.0	72.5	68.6	363 800*
		32.0	70.7	67.9	323 800*
		34.0	68.9	67.2	289 500*
		36.0	67.1	66.3	259 700*
		38.0	65.3	65.4	233 400*
		40.0	63.4	64.4	210 100*
		42.0	61.5	63.4	189 300*
		44.0	59.6	62.2	170 400*
		46.0	57.6	61.0	153 300*
		48.0	55.6	59.6	137 600*
		50.0	53.5	58.1	123 200*
7 6 2	2 5 0	52.0	51.4	56.6	109 800*
		54.0	49.2	54.9	97 400*
		56.0	46.9	53.0	85 700*
		58.0	44.5	51.0	74 700*
		60.0	42.1	48.9	64 300*
		62.0	39.5	46.5	54 400*
		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	405 100*
		28.0	75.8	77.2	391 000*
		30.0	74.3	76.6	348 300*
		32.0	72.7	76.0	311 300*
		34.0	71.1	75.3	279 900*
		36.0	69.5	74.6	252 600*
		38.0	67.9	73.8	228 500*
		40.0	66.2	72.9	207 100*
		42.0	64.6	72.0	187 900*
		44.0	62.9	71.0	170 500*
		46.0	61.2	69.9	154 700*
		48.0	59.4	68.7	140 200*
		50.0	57.7	67.4	126 800*
		52.0	55.9	66.1	114 500*
		54.0	54.0	64.7	103 000*
		56.0	52.1	63.1	92 200*
		58.0	50.2	61.5	82 100*
		60.0	48.2	59.7	72 500*
		62.0	46.1	57.8	63 500*
		64.0	43.9	55.8	54 800*

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73.2m (240 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	357 000*
		24.0	79.9	85.9	353 400*
		26.0	78.5	85.5	345 300*
		28.0	77.1	85.0	333 400*
		30.0	75.7	84.5	321 100*
		32.0	74.3	84.0	293 000*
		34.0	72.9	83.4	264 400*
		36.0	71.4	82.7	239 500*
		38.0	70.0	82.0	217 600*
		40.0	68.5	81.2	198 000*
		42.0	67.0	80.4	180 500*
		44.0	65.5	79.5	164 600*
		46.0	64.0	78.5	150 200*
		48.0	62.5	77.5	136 900*
		50.0	60.9	76.4	124 700*
		52.0	59.3	75.2	113 400*
		54.0	57.7	73.9	102 900*
		56.0	56.1	72.6	93 000*
		58.0	54.4	71.2	83 700*
		60.0	52.7	69.7	75 100*
		62.0	50.9	68.1	66 800*
		64.0	49.1	66.4	58 900*
		66.0	47.3	64.5	51 500*