

MANITOWOC ENGINEERING CO.

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



LIFTCRANE CAPACITIES

**BOOM NO. 44A WITH HEAVY LIFT TOP
55 880 kg COUNTERWEIGHT
RATING OVER REAR OR 360 DEGREES
ON SPREAD OUTRIGGERS**

MEETS
ANSI B30.5
REQUIREMENTS

M-250T

CAPACITIES FOR VARIOUS BOOM LENGTHS AND OPERATING RADIUS ARE FOR FREELY SUSPENDED LOADS AND DO NOT EXCEED 85% OF A STATIC TIPPING LOAD. CAPACITIES BASED ON STRUCTURAL COMPETENCE ARE DENOTED BY AN ASTERISK (*).

UPPER BOOM POINT CAPACITY FOR LIFTCRANE SERVICE WITH SINGLE PART WHIP LINE IS 13 610 kg OR 27 220 kg WITH TWO PART LINE. IN ALL CASES, UPPER BOOM POINT CAPACITIES CANNOT EXCEED THOSE LISTED FOR THE MAIN BOOM CAPACITY.

82.3m AND 85.3m BOOM LENGTHS REQUIRE ONLY THE MIDDLE 3 SHEAVES TO BE USED ON THE LOWER BOOM POINT. ALL OTHER SHEAVES MUST BE REMOVED FROM THE LOWER BOOM POINT.

WEIGHT OF JIB, ALL LOAD BLOCKS, HOOKS, WEIGHT BALL, SLINGS, HOIST LINES, ETC., BENEATH BOOM AND JIB POINT SHEAVES, IS CONSIDERED PART OF THE MAIN BOOM LOAD. BOOM IS NOT TO BE LOWERED BEYOND RADIUS 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 GANTRY UP AND OUTRIGGERS FULLY SPREAD AND SET. RADIUS LESS THAN 12.2m NOT RECOMMENDED WHEN LIFTING OVER FRONT OF MACHINE. MINIMUM BOOM ANGLE OVER TRUCK CAB IS 5 DEGREES. REFER TO BOOM RIGGING NO. 173379, WIRE ROPE SPECIFICATION CHART NO. 7632-A, AND OPERATING RANGE DIAGRAM CHART NO. 7636-A. 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 WITHIN WIND LIMITS SHOWN IN TABLE PROVIDED CRANE OPERATOR JUDGMENT IS USED TO ALLOW FOR WIND EFFECT ON THE LIFTED LOAD AND OTHER CONSIDERATIONS NOTED ON THE 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 70 DEGREE BOOM ANGLE WHEN WIND EXCEEDS THOSE SHOWN IN TABLE TO PREVENT JIB BEING BLOWN OVER BACKWARDS. LOWER BOOM AND JIB TO GROUND WHEN WIND IS ABOVE 22 m/s.

OPERATING RADIUS IS THE HORIZONTAL DISTANCE FROM THE AXIS OF ROTATION TO THE CENTER OF VERTICAL HOIST LINE OR LOAD BLOCK. BOOM ANGLE IS THE 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 MANITOWOC 16 X 8 CARRIER, 9 906 mm WHEELBASE, 2 610 mm FRONT AXLE TRACK, 2 610 mm REAR AXLE TRACK, 385/95 R 25 TIRES, 4 686 mm OUTRIGGERS, 8 534 mm RETRACTABLE GANTRY, 12 PART BOOM HOIST REEVING, FOUR 38 mm BOOM PENDANTS, AND 55 880 kg COUNTERWEIGHT.

WIND LIMITS DURING OPERATION		
MAXIMUM WIND VELOCITY m/s	BOOM LENGTH METERS	JIB LENGTH METERS
13	21.3 - 61.0	---
11	64.0 - 73.2	---
9	76.2 - 85.3	---
11	39.6 - 64.0	12.2 - 24.4
9	67.1 - 70.1	12.2 - 24.4
9	73.2	18.3
9	76.2	12.2
11	39.6 - 61.0	30.5 - 36.6
9	64.0 - 67.1	30.5 - 36.6
9	70.1	30.5

MAXIMUM BOOM AND JIB LENGTHS LIFTED UNASSISTED				DEDUCT FROM CAPACITIES WHEN JIB IS ATTACHED	
OVER REAR ON SPREAD OUTRIGGERS		OVER SIDE ON SPREAD OUTRIGGERS			
BOOM LGTH.	JIB NO. 132	BOOM LGTH.	JIB NO. 132	JIB LGTH.	JIB NO. 132
85.3m	---	79.2m	---	12.2m	2 900 kg
82.3m	---	76.2m	---	18.3m	3 720 kg
79.2m	---	73.2m	---	24.4m	4 670 kg
76.2m	12.2m	70.1m	18.3m	30.5m	5 810 kg
73.2m	18.3m	67.1m	24.4m	36.6m	6 940 kg
70.1m	30.5m	64.0m	36.6m		
67.1m	36.6m				
LOAD BLOCK, HOOK AND WEIGHT BALL ON GROUND AT START.					

CONSULT JIB CHART FOR JIB CAPACITIES. UPPER BOOM POINT CANNOT BE USED WHEN JIB IS ATTACHED.

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55 880 kg COUNTERWEIGHT
RATING OVER REAR OR 360 DEGREES
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MEETS
ANSI B30.5
REQUIREMENTS

M-250T

BOOM LGTH. METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	CAPACITY 360 DEGREES KILOGRAMS	CAPACITY REAR KILOGRAMS
21.3	70	5.5	82.9	23.9	272 100*	272 100*
		6.0	81.5	23.9	245 300*	245 300*
		6.5	80.2	23.7	240 100*	240 100*
		7.0	78.8	23.6	222 500*	222 500*
		7.5	77.4	23.5	205 300*	205 300*
		8.0	76.0	23.4	190 500*	190 500*
		8.5	74.6	23.2	177 500*	177 500*
		9.0	73.2	23.0	166 200*	166 200*
		10.0	70.3	22.7	147 200*	147 200*
		11.0	67.4	22.2	131 900*	131 900*
		12.0	64.4	21.7	116 000*	119 300*
		13.0	61.3	21.2	100 800*	108 800*
		14.0	58.1	20.5	89 200*	99 900*
		15.0	54.8	19.8	79 800*	92 200*
		16.0	51.4	19.0	72 000*	85 100*
		18.0	43.8	17.0	60 000*	71 800*
		20.0	34.8	14.3	51 100*	59 200*
24.4	80	6.1	82.4	26.9	238 700*	238 700*
		6.5	81.4	26.9	236 100*	236 100*
		7.0	80.2	26.8	222 100*	222 100*
		7.5	79.0	26.6	204 900*	204 900*
		8.0	77.8	26.5	190 000*	190 000*
		8.5	76.6	26.4	177 100*	177 100*
		9.0	75.4	26.2	165 800*	165 800*
		10.0	72.9	25.9	146 800*	146 800*
		11.0	70.4	25.5	131 500*	131 500*
		12.0	67.8	25.1	116 100*	118 900*
		13.0	65.2	24.6	100 800*	108 400*
		14.0	62.6	24.1	89 100*	99 500*
		15.0	59.8	23.5	79 700*	91 900*
		16.0	57.0	22.8	71 900*	84 900*
		18.0	51.1	21.3	59 900*	71 700*
		20.0	44.5	19.3	51 000*	61 200*
		22.0	37.0	16.8	44 200*	53 100*
		24.0	27.6	13.4	38 700*	44 300*
27.4	90	6.4	82.6	30.0	226 100*	226 100*
		6.5	82.4	29.9	225 700*	225 700*
		7.0	81.3	29.9	221 600*	221 600*
		7.5	80.3	29.8	204 600*	204 600*
		8.0	79.2	29.7	189 800*	189 800*
		8.5	78.1	29.5	176 900*	176 900*
		9.0	77.0	29.4	165 500*	165 500*
		10.0	74.9	29.1	146 600*	146 600*
		11.0	72.7	28.8	131 300*	131 300*
		12.0	70.4	28.4	116 200*	118 700*
		13.0	68.2	28.0	100 800*	108 200*
		14.0	65.9	27.6	89 100*	99 300*
		15.0	63.5	27.0	79 700*	91 600*
		16.0	61.1	26.5	71 900*	84 800*
		18.0	56.1	25.2	59 900*	71 700*
		20.0	50.8	23.6	51 000*	61 100*
		22.0	45.0	21.7	44 100*	53 100*
		24.0	38.5	19.3	38 700*	46 700*
30.5	100	6.7	82.8	33.0	217 000*	217 000*
		7.0	82.2	33.0	216 000*	216 000*
		7.5	81.2	32.9	204 700*	204 700*
		8.0	80.3	32.8	189 300*	189 300*
		8.5	79.3	32.7	176 400*	176 400*
		9.0	78.4	32.6	165 100*	165 100*
		10.0	76.4	32.3	146 100*	146 100*
		11.0	74.5	32.0	130 800*	130 800*
		12.0	72.5	31.7	116 100*	118 300*
		13.0	70.5	31.3	100 700*	107 800*
		14.0	68.5	30.9	89 000*	98 900*
		15.0	66.4	30.5	79 500*	91 200*
		16.0	64.3	30.0	71 700*	84 400*
		18.0	60.0	28.8	59 600*	71 500*
		20.0	55.4	27.5	50 800*	60 900*
		22.0	50.6	25.9	43 900*	52 900*
		24.0	45.4	24.0	38 500*	46 500*
		26.0	39.7	21.7	34 100*	41 400*
		28.0	33.1	18.8	30 400*	37 000*

BOOM LGTH. METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	CAPACITY 360 DEGREES KILOGRAMS	CAPACITY REAR KILOGRAMS
33.5	110	7.0	82.9	36.0	201 300*	201 300*
		7.5	82.0	36.0	199 100*	199 100*
		8.0	81.2	35.9	189 100*	189 100*
		8.5	80.3	35.8	176 100*	176 100*
		9.0	79.4	35.7	164 800*	164 800*
		10.0	77.7	35.4	145 800*	145 800*
		11.0	75.9	35.2	130 500*	130 500*
		12.0	74.1	34.9	116 000*	118 000*
		13.0	72.3	34.6	100 600*	107 500*
		14.0	70.5	34.2	88 900*	98 600*
		15.0	68.7	33.8	79 400*	90 900*
		16.0	66.8	33.3	71 600*	84 200*
		18.0	63.0	32.3	59 600*	71 400*
		20.0	59.0	31.2	50 600*	60 800*
		22.0	54.9	29.8	43 800*	52 700*
		24.0	50.5	28.2	38 300*	46 400*
		26.0	45.8	26.3	33 900*	41 200*
		28.0	40.6	24.0	30 200*	36 900*
		30.0	34.9	21.3	27 200*	33 300*
		32.0	28.0	17.8	24 500*	30 200*
36.6	120	7.3	83.0	39.1	195 000*	195 000*
		7.5	82.7	39.0	194 300*	194 300*
		8.0	81.9	39.0	189 000*	189 000*
		8.5	81.1	38.9	175 600*	175 600*
		9.0	80.3	38.8	164 300*	164 300*
		10.0	78.7	38.6	145 300*	145 300*
		11.0	77.1	38.3	130 000*	130 000*
		12.0	75.5	38.1	115 700*	117 500*
		13.0	73.9	37.8	100 500*	107 000*
		14.0	72.2	37.4	88 800*	98 100*
		15.0	70.5	37.1	79 300*	90 500*
		16.0	68.9	36.7	71 400*	83 700*
		18.0	65.4	35.8	59 300*	71 200*
		20.0	61.9	34.7	50 400*	60 500*
		22.0	58.2	33.5	43 500*	52 500*
		24.0	54.4	32.1	38 100*	46 100*
		26.0	50.4	30.5	33 600*	40 900*
		28.0	46.1	28.6	30 000*	36 600*
		30.0	41.4	26.4	26 900*	33 000*
		32.0	36.3	23.8	24 200*	29 900*
		34.0	30.3	20.6	21 900*	27 200*
39.6	130	7.9	82.7	42.1	183 300*	183 300*
		8.0	82.6	42.1	183 000*	183 000*
		8.5	81.8	42.0	175 700*	175 700*
		9.0	81.1	41.9	164 000*	164 000*
		10.0	79.6	41.7	145 000*	145 000*
		11.0	78.1	41.5	129 800*	129 800*
		12.0	76.6	41.2	115 600*	117 200*
		13.0	75.1	40.9	100 400*	106 700*
		14.0	73.6	40.6	88 700*	97 800*
		15.0	72.1	40.3	79 200*	90 200*
		16.0	70.6	39.9	71 300*	83 500*
		18.0	67.4	39.1	59 200*	71 100*
		20.0	64.2	38.2	50 300*	60 400*
		22.0	60.9	37.1	43 400*	52 400*
		24.0	57.5	35.8	37 900*	46 000*
		26.0	54.0	34.4	33 500*	40 800*
		28.0	50.3	32.8	29 800*	36 400*
		30.0	46.3	30.9	26 700*	32 800*
		32.0	42.0	28.8	24 000*	29 800*
		34.0	37.4	26.2	21 800*	27 100*
		36.0	32.2	23.2	19 800*	24 700*
		38.0	25.9	19.4	18 000*	22 700*

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MEETS
ANSI B30.5
REQUIREMENTS

M-250T

BOOM LGTH. METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	CAPACITY 360 DEGREES KILOGRAMS	CAPACITY REAR KILOGRAMS
42.7	140	8.2	82.8	45.1	176 200*	176 200*
		8.5	82.4	45.1	174 200*	174 200*
		9.0	81.7	45.0	163 500*	163 500*
		10.0	80.4	44.8	144 500*	144 500*
		11.0	79.0	44.6	129 300*	129 300*
		12.0	77.6	44.4	115 300*	116 700*
		13.0	76.2	44.1	100 300*	106 200*
		14.0	74.8	43.8	88 400*	97 300*
		15.0	73.4	43.5	78 900*	89 700*
		16.0	72.0	43.2	71 100*	83 000*
		18.0	69.1	42.4	58 900*	70 800*
		20.0	66.2	41.6	50 000*	60 100*
		22.0	63.2	40.6	43 100*	52 100*
		24.0	60.1	39.4	37 600*	45 700*
		26.0	56.9	38.2	33 200*	40 500*
		28.0	53.6	36.7	29 500*	36 200*
		30.0	50.2	35.1	26 400*	32 500*
45.7	150	8.5	82.9	48.1	161 700*	161 700*
		9.0	82.3	48.1	160 200*	160 200*
		10.0	81.0	47.9	144 200*	144 200*
		11.0	79.7	47.7	128 900*	128 900*
		12.0	78.5	47.5	115 000*	116 300*
		13.0	77.2	47.3	100 100*	105 900*
		14.0	75.9	47.0	88 300*	97 000*
		15.0	74.6	46.7	78 700*	89 300*
		16.0	73.3	46.4	70 900*	82 600*
		18.0	70.6	45.7	58 700*	70 500*
		20.0	67.9	44.9	49 800*	59 900*
		22.0	65.2	44.0	42 900*	51 900*
		24.0	62.3	43.0	37 400*	45 400*
		26.0	59.4	41.8	32 900*	40 200*
		28.0	56.4	40.5	29 300*	35 900*
		30.0	53.3	39.0	26 200*	32 300*
		32.0	50.1	37.4	23 500*	29 200*
48.8	160	8.8	83.0	51.2	156 500*	156 500*
		9.0	82.8	51.1	156 000*	156 000*
		10.0	81.6	51.0	144 100*	144 100*
		11.0	80.4	50.8	128 400*	128 400*
		12.0	79.2	50.6	114 700*	115 800*
		13.0	78.0	50.4	99 900*	105 400*
		14.0	76.8	50.1	88 100*	96 500*
		15.0	75.6	49.9	78 500*	88 800*
		16.0	74.3	49.6	70 600*	82 100*
		18.0	71.9	48.9	58 400*	70 200*
		20.0	69.4	48.2	49 500*	59 600*
		22.0	66.8	47.4	42 500*	51 500*
		24.0	64.2	46.4	37 100*	45 100*
		26.0	61.5	45.3	32 600*	39 900*
		28.0	58.8	44.1	28 900*	35 600*
		30.0	56.0	42.8	25 800*	32 000*
		32.0	53.1	41.3	23 200*	28 800*
51.8	170	8.2	82.8	45.1	176 200*	176 200*
		8.5	82.4	45.1	174 200*	174 200*
		9.0	81.7	45.0	163 500*	163 500*
		10.0	80.4	44.8	144 500*	144 500*
		11.0	79.0	44.6	129 300*	129 300*
		12.0	77.6	44.4	115 300*	116 700*
		13.0	76.2	44.1	100 300*	106 200*
		14.0	74.8	43.8	88 400*	97 300*
		15.0	73.4	43.5	78 900*	89 700*
		16.0	72.0	43.2	71 100*	83 000*
		18.0	69.1	42.4	58 900*	70 800*
		20.0	66.2	41.6	50 000*	60 100*
		22.0	63.2	40.6	43 100*	52 100*
		24.0	60.1	39.4	37 600*	45 700*
		26.0	56.9	38.2	33 200*	40 500*
		28.0	53.6	36.7	29 500*	36 200*
		30.0	50.2	35.1	26 400*	32 500*

BOOM LGTH. METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	CAPACITY 360 DEGREES KILOGRAMS	CAPACITY REAR KILOGRAMS
54.9	180	9.1	83.1	54.2	147 500*	147 500*
		10.0	82.1	54.1	143 200*	143 200*
		11.0	81.0	53.9	128 100*	128 100*
		12.0	79.8	53.7	114 600*	115 600*
		13.0	78.7	53.5	99 800*	105 100*
		14.0	77.6	53.3	87 900*	96 200*
		15.0	76.4	53.0	78 400*	88 600*
		16.0	75.3	52.8	70 500*	81 900*
		18.0	73.0	52.2	58 300*	70 000*
		20.0	70.6	51.5	49 300*	59 500*
		22.0	68.3	50.7	42 400*	51 400*
		24.0	65.8	49.8	36 900*	45 000*
		26.0	63.4	48.8	32 500*	39 800*
		28.0	60.8	47.7	28 800*	35 400*
		30.0	58.3	46.5	25 700*	31 800*
		32.0	55.6	45.1	23 000*	28 700*
		34.0	52.8	43.6	20 700*	26 000*
57.9	190	9.8	82.7	57.2	141 600*	141 600*
		10.0	82.5	57.2	139 700*	139 700*
		11.0	81.5	57.0	127 600*	127 600*
		12.0	80.4	56.8	114 300*	115 100*
		13.0	79.3	56.6	99 600*	104 600*
		14.0	78.3	56.4	87 800*	95 700*
		15.0	77.2	56.2	78 200*	88 100*
		16.0	76.1	55.9	70 300*	81 500*
		18.0	74.0	55.4	58 000*	69 700*
		20.0	71.8	54.7	49 000*	59 200*
		22.0	69.5	54.0	42 100*	51 100*
		24.0	67.3	53.1	36 600*	44 700*
		26.0	65.0	52.2	32 100*	39 500*
		28.0	62.6	51.2	28 400*	35 100*
		30.0	60.2	50.1	25 300*	31 500*
		32.0	57.8	48.8	22 700*	28 400*
		34.0	55.2	47.4	20 300*	25 700*
51.8	170	9.8	82.7	57.2	141 600*	141 600*
		10.0	82.5	57.2	139 700*	139 700*
		11.0	81.5	57.0	127 600*	127 600*
		12.0	80.4	56.8	114 300*	115 100*
		13.0	79.3	56.6	99 600*	104 600*
		14.0	78.3	56.4	87 800*	95 700*
		15.0	77.2	56.2	78 200*	88 100*
		16.0	76.1	55.9	70 300*	81 500*
		18.0	74.0	55.4	58 000*	69 700*
		20.0	71.8	54.7	49 000*	59 200*
		22.0	69.5	54.0	42 100*	51 100*
		24.0	67.3	53.1	36 600*	44 700*
		26.0	65.0	52.2	32 100*	39 500*
		28.0	62.6	51.2	28 400*	35 100*
		30.0	60.2	50.1	25 300*	31 500*
		32.0	57.8	48.8	22 700*	28 400*
		34.0	55.2	47.4	20 300*	25 700*

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REQUIREMENTS

M-250T

BOOM LGTH. METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	CAPACITY 360 DEGREES KILOGRAMS	CAPACITY REAR KILOGRAMS
61.0	200	10.4	82.9	63.3	124 600*	124 600*
		11.0	82.3	63.2	123 300*	123 300*
		12.0	81.4	63.0	114 100	114 600*
		13.0	80.4	62.8	99 200	103 700*
		14.0	79.5	62.6	87 300	94 800*
		15.0	78.5	62.4	77 700	87 200*
		16.0	77.5	62.2	69 800	80 600*
		18.0	75.6	61.7	57 500	69 100
		20.0	73.6	61.1	48 500	58 700
		22.0	71.7	60.5	41 500	50 500
		24.0	69.7	59.7	36 000	44 100
		26.0	67.6	58.9	31 600	38 900
		28.0	65.6	58.0	27 900	34 500
		30.0	63.5	57.0	24 700	30 900
		32.0	61.3	55.9	22 000	27 800
		34.0	59.2	54.8	19 800	25 100
		36.0	56.9	53.5	17 700	22 700
		38.0	54.6	52.1	16 000	20 600
		40.0	52.3	50.5	14 400	18 800
		42.0	49.8	48.9	13 000	17 100
64.0	210	11.0	82.7	66.3	116 900*	116 900*
		12.0	81.8	66.1	113 100	113 500*
		13.0	80.9	65.9	99 200	103 700*
		14.0	80.0	65.8	87 300	94 800*
		15.0	79.1	65.6	77 700	87 200*
		16.0	78.1	65.3	69 800	80 500*
		18.0	76.3	64.9	57 500	69 100
		20.0	74.4	64.3	48 500	58 700
		22.0	72.6	63.7	41 500	50 500
		24.0	70.7	63.0	36 000	44 100
		26.0	68.8	62.2	31 600	38 800
		28.0	66.8	61.4	27 800	34 500
		30.0	64.8	60.4	24 700	30 800
		32.0	62.8	59.4	22 000	27 700
		34.0	60.8	58.3	19 700	25 000
		36.0	58.7	57.1	17 700	22 700
		38.0	56.6	55.8	15 900	20 600
		40.0	54.4	54.4	14 400	18 800
		42.0	52.1	52.8	12 900	17 100
		44.0	49.8	51.2	11 700	15 600
67.1	220	11.6	82.5	69.2	112 000*	112 000*
		12.0	82.2	69.2	111 300	111 400*
		13.0	81.3	69.0	99 000	103 200*
		14.0	80.4	68.9	87 100	94 300*
		15.0	79.6	68.7	77 500	86 700*
		16.0	78.7	68.5	69 500	80 000*
		18.0	76.9	68.0	57 300	68 700
		20.0	75.2	67.5	48 200	58 400
		22.0	73.4	66.9	41 300	50 200
		24.0	71.6	66.2	35 700	43 800
		26.0	69.8	65.5	31 200	38 500
		28.0	67.9	64.7	27 500	34 200
		30.0	66.1	63.8	24 400	30 500
		32.0	64.2	62.8	21 700	27 400
		34.0	62.2	61.8	19 400	24 700
		36.0	60.3	60.7	17 400	22 300
		38.0	58.3	59.4	15 600	20 300
		40.0	56.2	58.1	14 000	18 400
		42.0	54.1	56.7	12 600	16 800
		44.0	52.0	55.1	11 400	15 300
		46.0	49.7	53.5	10 200	14 000

BOOM LGTH. METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	CAPACITY 360 DEGREES KILOGRAMS	CAPACITY REAR KILOGRAMS
67.1	220	48.0	47.4	51.7	9 200	12 800
		50.0	45.0	49.7	8 200	11 700
		52.0	42.5	47.5	7 400	10 700
		54.0	39.9	45.2	6 500	9 700
		56.0	37.1	42.6	5 800	8 900
		58.0	34.1	39.7	5 100	8 000
		60.0	30.9	36.5	4 500	7 300
		62.0	27.3	32.8	3 900	6 600
70.1	230	11.6	82.8	72.3	102 400*	102 400*
		12.0	82.5	72.3	100 500*	100 500*
		13.0	81.7	72.1	95 900*	96 000*
		14.0	80.9	71.9	87 000	91 800*
		15.0	80.0	71.8	77 300	86 500*
		16.0	79.2	71.6	69 300	79 600*
		18.0	77.5	71.1	57 000	68 400
		20.0	75.8	70.6	48 000	58 100
		22.0	74.1	70.1	41 000	49 900
		24.0	72.4	69.4	35 400	43 500
		26.0	70.7	68.7	30 900	38 200
		28.0	68.9	68.0	27 200	33 900
		30.0	67.2	67.1	24 100	30 200
		32.0	65.4	66.2	21 400	27 100
		34.0	63.6	65.2	19 100	24 400
		36.0	61.7	64.2	17 100	22 000
		38.0	59.8	63.0	15 300	20 000
		40.0	57.9	61.8	13 700	18 100
		42.0	55.9	60.4	12 300	16 500
		44.0	53.9	59.0	11 000	15 000
73.2	240	11.6	82.7	75.3	95 400*	95 400*
		12.0	82.0	75.2	92 000*	92 000*
		13.0	81.2	75.0	86 600	88 000*
		14.0	80.4	74.9	77 000	84 200*
		15.0	79.6	74.7	69 100	79 500*
		16.0	78.8	74.3	62 700	72 900
		18.0	76.4	73.8	56 700	68 100
		20.0	74.8	73.2	47 700	57 800
		22.0	73.2	72.6	40 700	49 600
		24.0	71.5	72.0	35 100	43 200
		26.0	69.9	71.3	30 700	37 900
		28.0	68.2	70.5	26 900	33 600
		30.0	66.5	69.6	23 700	29 900
		32.0	64.7	68.7	21 000	26 800
		34.0	62.9	67.6	18 800	24 100
		36.0	61.2	66.6	16 700	21 700
		38.0	59.4	65.4	15 000	19 600
		40.0	57.5	64.1	13 400	17 800
		42.0	55.6	62.8	11 900	16 100
		44.0	53.7	61.3	10 700	14 600
73.2	240	46.0	53.7	61.3	9 500	13 300
		48.0	51.7	59.7	8 500	12 100
		50.0	49.7	58.1	7 600	11 000
		52.0	47.6	56.3	6 700	10 000
		54.0	45.4	54.3	5 900	9 000
		56.0	43.1	52.2	5 200	8 200
		58.0	40.7	49.9	4 500	7 400
		60.0	38.2	47.4	3 800	6 600
		62.0	35.6	44.7	3 200	6 000
		64.0	32.7	41.7	2 700	5 300
73.2	240	66.0	29.6	38.3	2 200	4 700
		68.0	26.2	34.4		4 100

MANITOWOC ENGINEERING CO.

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



LIFT CRANE CAPACITIES

BOOM NO. 44A WITH HEAVY LIFT TOP
55 880 kg COUNTERWEIGHT
RATING OVER REAR OR 360 DEGREES
ON SPREAD OUTRIGGERS

MEETS
ANSI B30.5
REQUIREMENTS

M-250T

BOOM LGTH. METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	CAPACITY 360 DEGREES KILOGRAMS	CAPACITY REAR KILOGRAMS
76.2	250	12.2	83.0	78.4	91 600*	91 600*
		13.0	82.4	78.3	88 400*	88 400*
		14.0	81.6	78.1	84 600*	84 600*
		15.0	80.8	78.0	77 200	81 000*
		16.0	80.1	77.8	69 000	77 400*
		18.0	78.5	77.4	56 700	68 300
		20.0	77.0	76.9	47 600	57 800
		22.0	75.4	76.4	40 600	49 600
		24.0	73.9	75.8	35 000	43 100
		26.0	72.3	75.2	30 600	37 800
		28.0	70.7	74.5	26 800	33 500
		30.0	69.1	73.7	23 700	29 800
		32.0	67.5	72.9	21 000	26 700
		34.0	65.8	72.0	18 700	24 000
		36.0	64.2	71.1	16 600	21 600
		38.0	62.5	70.0	14 900	19 500
		40.0	60.7	68.9	13 300	17 700
		42.0	59.0	67.7	11 800	16 000
		44.0	57.2	66.5	10 600	14 600
		46.0	55.4	65.1	9 500	13 200
		48.0	53.5	63.6	8 400	12 000
		50.0	51.6	62.1	7 500	10 900
		52.0	49.6	60.4	6 600	9 900
		54.0	47.6	58.6	5 800	8 900
		56.0	45.5	56.6	5 100	8 100
79.2	260	58.0	43.4	54.5	4 400	7 300
		60.0	41.1	52.3	3 800	6 500
		62.0	38.7	49.8	3 200	5 900
		64.0	36.2	47.2	2 600	5 200
		66.0	33.5	44.2	2 100	4 600
		68.0	30.6	40.9		4 100
		70.0	27.5	37.2		3 500
		12.8	82.8	81.4	85 200*	85 200*
		13.0	82.7	81.4	84 500*	84 500*
		14.0	81.9	81.2	80 900*	80 900*
		15.0	81.2	81.1	76 500	77 500*
		16.0	80.5	80.9	69 300	74 200*
		18.0	79.0	80.5	56 400	67 300*
		20.0	77.5	80.1	47 300	57 500
		22.0	76.0	79.6	40 300	49 300
		24.0	74.5	79.0	34 800	42 800
		26.0	73.0	78.4	30 200	37 500
		28.0	71.5	77.7	26 500	33 200
		30.0	69.9	77.0	23 300	29 500
		32.0	68.4	76.2	20 600	26 400
		34.0	66.8	75.4	18 300	23 600
		36.0	65.2	74.5	16 300	21 300
		38.0	63.6	73.5	14 500	19 200
		40.0	62.0	72.4	12 900	17 400
		42.0	60.3	71.3	11 500	15 700
		44.0	58.6	70.1	10 200	14 200
		46.0	56.9	68.8	9 100	12 900
		48.0	55.1	67.4	8 100	11 700
		50.0	53.3	65.9	7 100	10 500
		52.0	51.5	64.4	6 200	9 500
		54.0	49.6	62.7	5 500	8 600
		56.0	47.7	60.9	4 700	7 700
		58.0	45.7	58.9	4 000	6 900
		60.0	43.6	56.9	3 400	6 200
		62.0	41.4	54.6	2 800	5 500
		64.0	39.1	52.2	2 300	4 900
		66.0	36.8	49.6		4 300
		68.0	34.2	46.7		3 700
		70.0	31.5	43.6		3 200
		72.0	28.6	40.0		2 700

BOOM LGTH. METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	CAPACITY 360 DEGREES KILOGRAMS	CAPACITY REAR KILOGRAMS
82.3	270	13.4	82.6	84.4	74 300*	74 300*
		14.0	82.2	84.3	72 700*	72 700*
		15.0	81.5	84.1	69 900*	69 900*
		16.0	80.8	84.0	66 800*	67 200*
		18.0	79.4	83.6	57 200	62 200*
		20.0	78.0	83.2	47 600	57 300*
		22.0	76.5	82.7	40 600	49 700
		24.0	75.1	82.2	35 000	43 100
		26.0	73.7	81.6	30 500	37 800
		28.0	72.2	81.0	26 800	33 400
		30.0	70.7	80.3	23 600	29 800
		32.0	69.2	79.5	21 000	26 600
		34.0	67.7	78.7	18 600	23 900
		36.0	66.2	77.8	16 600	21 600
		38.0	64.7	76.9	14 800	19 500
		40.0	63.1	75.9	13 200	17 600
		42.0	61.5	74.8	11 800	16 000
		44.0	59.9	73.6	10 500	14 500
		46.0	58.3	72.4	9 400	13 100
		48.0	56.6	71.1	8 400	11 900
		50.0	54.9	69.7	7 400	10 900
		52.0	53.2	68.2	6 500	9 800
		54.0	51.4	66.7	5 700	8 900
		56.0	49.6	65.0	5 000	8 000
		58.0	47.7	63.2	4 300	7 200
85.3	280	60.0	45.8	61.2	3 700	6 500
		62.0	43.8	59.2	3 100	5 800
		64.0	41.7	57.0	2 500	5 200
		66.0	39.6	54.6	2 000	4 600
		68.0	37.3	52.0		4 000
		70.0	34.9	49.2		3 500
		72.0	32.3	46.1		3 000
		74.0	29.6	42.7		2 500
		76.0	26.5	38.9		2 100
		13.4	82.9	87.5	70 000*	70 000*
		14.0	82.5	87.4	69 200*	69 200*
		15.0	81.8	87.2	66 700*	66 700*
		16.0	81.1	87.1	65 100*	65 400*
		18.0	79.8	86.7	57 600	63 900*
		20.0	78.4	86.3	47 800	58 100
		22.0	77.0	85.8	40 700	49 700
		24.0	75.6	85.3	35 200	43 200
		26.0	74.3	84.8	30 600	38 000
		28.0	72.8	84.2	26 900	33 600
		30.0	71.4	83.5	23 700	29 900
		32.0	70.0	82.8	21 000	26 700
		34.0	68.6	82.0	18 700	24 000
		36.0	67.1	81.2	16 700	21 600
		38.0	65.6	80.3	14 900	19 600
		40.0	64.1	79.3	13 300	17 700
		42.0	62.6	78.3	11 900	16 100
		44.0	61.1	77.2	10 600	14 600
		46.0	59.5	76.0	9 500	13 200
		48.0	58.0	74.8	8 400	12 000
		50.0	56.4	73.4	7 500	10 900
		52.0	54.7	72.0	6 600	9 900
		54.0	53.0	70.5	5 800	9 000
		56.0	51.3	69.0	5 000	8 100
		58.0	49.6	67.3	4 400	7 300
		60.0	47.8	65.5	3 700	6 600
		62.0	45.9	63.6	3 100	5 900
		64.0	44.0	61.5	2 600	5 200
		66.0	42.0	59.3	2 100	4 600
		68.0	39.9	57.0		4 000
		70.0	37.8	54.4		3 500
		72.0	35.5	51.7		3 000
		74.0	33.1	48.7		2 600
		76.0	30.5	45.4		2 100