

MANITOWOC ENGINEERING CO.

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



LIFTCRANE CAPACITIES

BOOM NO. 44 WITH HEAVY LIFT TOP
75 750 kg COUNTERWEIGHT
360 DEGREE RATING

BRITISH
CODE

M-250

CAPACITIES FOR VARIOUS BOOM LENGTHS AND OPERATING RADIUS ARE FOR FREELY SUSPENDED LOADS AND ARE CALCULATED TO COMPLY WITH BS 1757-1986 CLAUSE 9, I.S.O. 4305 AND BS 2573 PART 1 - 1983 TABLES 5(a) AND 6(a). 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 WHIP LINE. IN ALL CASES, UPPER BOOM POINT CAPACITIES CANNOT EXCEED THOSE LISTED FOR THE MAIN BOOM CAPACITY.

76.2m THRU 88.4m 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. REFER TO BOOM RIGGING NO. 170423 OR NO. 172611, AND WIRE ROPE SPECIFICATION CHART NO. 7602-A. CRANE OPERATOR JUDGMENT MUST BE USED TO ALLOW FOR DYNAMIC LOAD EFFECTS OF SWINGING, HOISTING OR LOWERING, TRAVEL, 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.

MACHINE TO TRAVEL ON A FIRM, LEVEL AND UNIFORMLY SUPPORTING SURFACE AND BOOM WITHIN THE BOOM ANGLE RANGE SHOWN IN CAPACITY CHART.

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 9 373 mm CRAWLERS, 1 219 mm TREADS, 8 534 mm RETRACTABLE GANTRY, 12 PART BOOM HOIST REEVING, FOUR 45 mm BOOM PENDANTS, AND 75 750 kg COUNTERWEIGHT.

WIND LIMITS DURING OPERATION		
MAXIMUM WIND VELOCITY m/s	BOOM LENGTH METERS	JIB LENGTH METERS
14	21.3 - 67.1	---
10	70.1 - 88.4	---
14	39.6 - 67.1	12.2 - 18.3
10	70.1 - 76.2	12.2 - 18.3
14	39.6 - 54.9	24.4
10	57.9 - 70.1	24.4
10	39.6 - 67.1	30.5
7	70.1	30.5
10	39.6 - 61.0	36.6
7	64.0 - 67.1	36.6

MAXIMUM BOOM AND JIB LENGTHS LIFTED UNASSISTED						DEDUCT FROM CAPACITIES WHEN JIB IS ATTACHED	
OVER FRONT OF BLOCKED CRAWLERS		OVER REAR OF BLOCKED CRAWLERS		OVER SIDE OF CRAWLERS			
BOOM LGTH.	JIB NO. 132	BOOM LGTH.	JIB NO. 132	BOOM LGTH.	JIB NO. 132	JIB LGTH.	JIB NO. 132
(a) 88.4m	---	(a) 85.3m	---	79.2m	---	12.2m	3 080 kg
85.3m	---	82.3m	---	76.2m	---	18.3m	3 990 kg
82.3m	---	79.2m	---	73.2m	---	24.4m	5 080 kg
79.2m	---	76.2m	12.2m	70.1m	---	30.5m	6 210 kg
76.2m	18.3m	73.2m	12.2m	67.1m	18.3m	36.6m	7 480 kg
73.2m	18.3m	70.1m	24.4m	64.0m	30.5m		
70.1m	30.5m	67.1m	30.5m	61.0m	36.6m		
67.1m	36.6m	64.0m	36.6m				
LOAD BLOCK, HOOK AND WEIGHT BALL ON GROUND AT START. (a) UPPER BOOM POINT CANNOT BE USED ON 88.4m BOOM AND CANNOT BE LIFTED OVER REAR OF BLOCKED CRAWLERS ON 85.3m BOOM.							

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

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BOOM LGTH. METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	CAPACITY KILOGRAMS
21.3	70	5.5	82.9	23.5	250 000
		6.0	81.5	23.4	247 600
		6.5	80.2	23.3	235 600
		7.0	78.8	23.2	219 500
		7.5	77.4	23.1	205 600
		8.0	76.0	22.9	192 700
		8.5	74.6	22.8	174 500
		9.0	73.2	22.6	157 900
		10.0	70.3	22.2	132 500
		11.0	67.4	21.8	113 900
		12.0	64.4	21.3	99 600
		13.0	61.3	20.7	88 300
		14.0	58.1	20.1	79 200
		15.0	54.8	19.4	71 600
		16.0	51.4	18.5	65 200
		18.0	43.8	16.6	55 100
		20.0	34.8	13.9	47 500
24.4	80	6.1	82.4	26.5	238 500
		6.5	81.4	26.4	235 100
		7.0	80.2	26.3	219 000
		7.5	79.0	26.2	205 100
		8.0	77.8	26.1	192 300
		8.5	76.6	26.0	174 400
		9.0	75.4	25.8	157 700
		10.0	72.9	25.5	132 300
		11.0	70.4	25.1	113 700
		12.0	67.8	24.7	99 400
		13.0	65.2	24.2	88 100
		14.0	62.6	23.7	79 000
		15.0	59.8	23.1	71 400
		16.0	57.0	22.4	65 000
		18.0	51.1	20.8	54 900
		20.0	44.5	18.9	47 200
		22.0	37.0	16.4	41 200
		24.0	27.6	13.0	36 300
27.4	90	6.4	82.6	29.5	226 000
		6.5	82.4	29.5	225 500
		7.0	81.3	29.4	218 700
		7.5	80.3	29.3	204 800
		8.0	79.2	29.2	192 100
		8.5	78.1	29.1	174 400
		9.0	77.0	29.0	157 700
		10.0	74.9	28.7	132 300
		11.0	72.7	28.4	113 600
		12.0	70.4	28.0	99 300
		13.0	68.2	27.6	88 000
		14.0	65.9	27.1	78 900
		15.0	63.5	26.6	71 300
		16.0	61.1	26.0	64 900
		18.0	56.1	24.7	54 800
		20.0	50.8	23.1	47 200
		22.0	45.0	21.2	41 100
		24.0	38.5	18.8	36 300
30.5	100	6.7	82.8	32.6	217 200
		7.0	82.2	32.5	215 900
		7.5	81.2	32.4	204 600
		8.0	80.3	32.3	191 700
		8.5	79.3	32.2	174 200
		9.0	78.4	32.1	157 500
		10.0	76.4	31.9	132 100
		11.0	74.5	31.6	113 400
		12.0	72.5	31.2	99 100
		13.0	70.5	30.9	87 700
		14.0	68.5	30.5	78 600
		15.0	66.4	30.0	71 000
		16.0	64.3	29.5	64 600
		18.0	60.0	28.4	54 500
		20.0	55.4	27.0	46 800
		22.0	50.6	25.4	40 800
		24.0	45.4	23.5	35 900
		26.0	39.7	21.2	31 900
		28.0	33.1	18.3	28 600

BOOM LGTH. METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	CAPACITY KILOGRAMS
33.5	110	7.0	82.9	35.6	169 600
		7.5	82.0	35.5	167 700
		8.0	81.2	35.4	166 000
		8.5	80.3	35.3	164 300
		9.0	79.4	35.2	158 500
		10.0	77.7	35.0	132 000
		11.0	75.9	34.7	113 300
		12.0	74.1	34.4	98 900
		13.0	72.3	34.1	87 600
		14.0	70.5	33.8	78 400
		15.0	68.7	33.3	70 800
		16.0	66.8	32.9	64 400
		18.0	63.0	31.9	54 300
		20.0	59.0	30.7	46 700
		22.0	54.9	29.3	40 600
		24.0	50.5	27.7	35 700
		26.0	45.8	25.8	31 800
		28.0	40.6	23.6	28 400
		30.0	34.9	20.9	25 600
		32.0	28.0	17.4	23 100
36.6	120	7.3	83.0	38.6	164 700
		7.5	82.7	38.6	164 100
		8.0	81.9	38.5	162 400
		8.5	81.1	38.4	160 800
		9.0	80.3	38.3	156 900
		10.0	78.7	38.1	131 700
		11.0	77.1	37.9	113 000
		12.0	75.5	37.6	98 600
		13.0	73.9	37.3	87 300
		14.0	72.2	37.0	78 100
		15.0	70.5	36.6	70 500
		16.0	68.9	36.2	64 100
		18.0	65.4	35.3	53 900
		20.0	61.9	34.3	46 300
		22.0	58.2	33.1	40 200
		24.0	54.4	31.7	35 400
		26.0	50.4	30.0	31 400
		28.0	46.1	28.2	28 000
		30.0	41.4	26.0	25 200
		32.0	36.3	23.4	22 700
		34.0	30.3	20.1	20 600
39.9	130	7.9	82.7	41.6	158 800
		8.0	82.6	41.6	158 600
		8.5	81.8	41.5	157 100
		9.0	81.1	41.4	154 800
		10.0	79.6	41.3	131 700
		11.0	78.1	41.0	113 000
		12.0	76.6	40.8	98 600
		13.0	75.1	40.5	87 200
		14.0	73.6	40.2	78 100
		15.0	72.1	39.9	70 500
		16.0	70.6	39.5	64 100
		18.0	67.4	38.7	53 900
		20.0	64.2	37.7	46 200
		22.0	60.9	36.6	40 200
		24.0	57.5	35.4	35 300
		26.0	54.0	34.0	31 400
		28.0	50.3	32.3	28 000
		30.0	46.3	30.5	25 100
		32.0	42.0	28.3	22 700
		34.0	37.4	25.8	20 600
		36.0	32.2	22.8	18 700
		38.0	25.9	19.0	17 000

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BOOM LGTH. METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	CAPACITY KILOGRAMS	BOOM LGTH. METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	CAPACITY KILOGRAMS
42.7	140	8.2	82.8	44.7	154 800*	51.8	170	9.1	83.0	53.8	128 500*
		8.5	82.4	44.6	154 000*			10.0	82.1	53.6	126 000*
		9.0	81.7	44.5	152 700*			11.0	81.0	53.5	112 100
		10.0	80.4	44.4	131 500			12.0	79.8	53.3	97 700
		11.0	79.0	44.2	112 700			13.0	78.7	53.1	86 300
		12.0	77.6	43.9	98 300			14.0	77.6	52.9	77 100
		13.0	76.2	43.7	86 900			15.0	76.4	52.6	69 400
		14.0	74.8	43.4	77 700			16.0	75.3	52.3	63 000
		15.0	73.4	43.1	70 100			18.0	73.0	51.7	52 800
		16.0	72.0	42.8	63 700			20.0	70.6	51.0	45 200
		18.0	69.1	42.0	53 600			22.0	68.3	50.2	39 100
		20.0	66.2	41.1	45 900			24.0	65.8	49.4	34 200
		22.0	63.2	40.1	39 800			26.0	63.4	48.4	30 200
		24.0	60.1	39.0	35 000			28.0	60.8	47.3	26 900
		26.0	56.9	37.7	30 900			30.0	58.3	46.0	24 000
		28.0	53.6	36.3	27 600			32.0	55.6	44.7	21 500
		30.0	50.2	34.6	24 700			34.0	52.8	43.2	19 400
		32.0	46.5	32.8	22 300			36.0	50.0	41.5	17 500
		34.0	42.6	30.7	20 200			38.0	47.0	39.7	15 900
		36.0	38.3	28.2	18 300			40.0	43.8	37.7	14 400
		38.0	33.6	25.3	16 600			42.0	40.4	35.4	13 100
45.7	150	8.5	82.9	47.7	136 900*	54.9	180	9.8	82.7	56.8	124 200*
		9.0	82.3	47.6	135 500*			10.0	82.5	56.7	123 700*
		10.0	81.0	47.5	130 500*			11.0	81.5	56.6	111 900
		11.0	79.7	47.3	112 500			12.0	80.4	56.4	97 400
		12.0	78.5	47.1	98 100			13.0	79.3	56.2	86 000
		13.0	77.2	46.8	86 700			14.0	78.3	56.0	76 800
		14.0	75.9	46.6	77 500			15.0	77.2	55.7	69 100
		15.0	74.6	46.3	69 900			16.0	76.1	55.5	62 700
		16.0	73.3	46.0	63 500			18.0	74.0	54.9	52 500
		18.0	70.6	45.3	53 300			20.0	71.8	54.3	44 800
		20.0	67.9	44.5	45 600			22.0	69.5	53.5	38 700
		22.0	65.2	43.6	39 500			24.0	67.3	52.7	33 800
		24.0	62.3	42.5	34 700			26.0	65.0	51.8	29 800
		26.0	59.4	41.4	30 700			28.0	62.6	50.7	26 400
		28.0	56.4	40.0	27 300			30.0	60.2	49.6	23 600
		30.0	53.3	38.6	24 500			32.0	57.8	48.4	21 100
		32.0	50.1	36.9	22 000			34.0	55.2	47.0	19 000
		34.0	46.7	35.1	19 900			36.0	52.6	45.5	17 100
		36.0	43.0	33.0	18 000			38.0	49.9	43.8	15 500
		38.0	39.1	30.6	16 400			40.0	47.1	42.0	14 000
48.8	160	8.8	83.0	50.7	132 200*	57.9	190	10.4	82.5	59.7	109 100*
		9.0	82.8	50.7	131 800*			11.0	81.9	59.7	107 800*
		10.0	81.6	50.6	127 900*			12.0	80.9	59.5	97 600
		11.0	80.4	50.4	112 200			13.0	79.9	59.3	85 700
		12.0	79.2	50.2	97 800			14.0	78.9	59.1	76 500
		13.0	78.0	50.0	86 400			15.0	77.9	58.9	68 900
		14.0	76.8	49.7	77 100			16.0	76.9	58.6	62 400
		15.0	75.6	49.4	69 500			18.0	74.8	58.1	52 200
		16.0	74.3	49.2	63 100			20.0	72.8	57.5	44 500
		18.0	71.9	48.5	52 900			22.0	70.7	56.8	38 400
		20.0	69.4	47.8	45 200			24.0	68.5	56.0	33 500
		22.0	66.8	46.9	39 200			26.0	66.4	55.1	29 500
		24.0	64.2	46.0	34 300			28.0	64.2	54.2	26 200
		26.0	61.5	44.9	30 300			30.0	61.9	53.1	23 300
		28.0	58.8	43.7	26 900			32.0	59.7	52.0	20 900
		30.0	56.0	42.4	24 100			34.0	57.3	50.7	18 700
		32.0	53.1	40.9	21 600			36.0	54.9	49.3	16 800
		34.0	50.0	39.2	19 500			38.0	52.4	47.8	15 200
		36.0	46.8	37.4	17 600			40.0	49.9	46.1	13 700
		38.0	43.4	35.3	15 900			42.0	47.2	44.3	12 400
57.9	190	40.0	39.8	33.0	14 500			44.0	44.4	42.3	11 200
		42.0	35.9	30.3	13 200			46.0	41.4	40.1	10 100
		44.0	31.6	27.2	11 900			48.0	38.3	37.6	9 100
								50.0	34.9	34.8	8 200
								52.0	31.2	31.6	7 400

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BOOM LGTH. METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	CAPACITY KILOGRAMS	BOOM LGTH. METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	CAPACITY KILOGRAMS
61.0	200	10.4	82.9	62.8	105 500	67.1	220	46.0	49.7	53.0	9 100
		11.0	82.3	62.7	104 400			48.0	47.4	51.2	8 200
		12.0	81.4	62.6	97 600			50.0	45.0	49.3	7 200
		13.0	80.4	62.4	85 400			52.0	42.5	47.1	6 400
		14.0	79.5	62.2	76 200			54.0	39.9	44.8	5 700
		15.0	78.5	62.0	68 500			56.0	37.1	42.2	4 900
		16.0	77.5	61.8	62 000			58.0	34.1	39.3	4 300
		18.0	75.6	61.3	51 800			60.0	30.9	36.1	3 700
		20.0	73.6	60.7	44 100			62.0	27.3	32.4	3 100
		22.0	71.7	60.0	38 000						
		24.0	69.7	59.3	33 200	70.1	230	11.6	82.8	71.9	87 200
		26.0	67.6	58.5	29 100			12.0	82.5	71.8	86 700
		28.0	65.6	57.6	25 800			13.0	81.7	71.7	84 600
		30.0	63.5	56.6	22 900			14.0	80.9	71.5	75 400
		32.0	61.3	55.5	20 500			15.0	80.0	71.3	67 800
		34.0	59.2	54.3	18 300			16.0	79.2	71.1	61 300
		36.0	56.9	53.0	16 400			18.0	77.5	70.7	51 100
		38.0	54.6	51.6	14 800			20.0	75.8	70.2	43 300
		40.0	52.3	50.1	13 300			22.0	74.1	69.6	37 200
		42.0	49.8	48.4	12 000			24.0	72.4	69.0	32 300
		44.0	47.3	46.6	10 800			26.0	70.7	68.3	28 300
		46.0	44.6	44.6	9 700			28.0	68.9	67.5	24 900
		48.0	41.8	42.4	8 700			30.0	67.2	66.7	22 100
		50.0	38.9	40.0	7 800			32.0	65.4	65.8	19 600
		52.0	35.7	37.3	7 000			34.0	63.6	64.8	17 400
		54.0	32.3	34.2	6 200			36.0	61.7	63.7	15 600
		56.0	28.5	30.7	5 500			38.0	59.8	62.6	13 900
64.0	210	11.0	82.7	65.8	101 800			40.0	57.9	61.3	12 400
		12.0	81.8	65.7	97 100			42.0	55.9	60.0	11 100
		13.0	80.9	65.5	85 300			44.0	53.9	58.6	9 900
		14.0	80.0	65.3	76 100			46.0	51.8	57.0	8 800
		15.0	79.1	65.1	68 400			48.0	49.7	55.3	7 800
		16.0	78.1	64.9	61 900			50.0	47.5	53.5	6 900
		18.0	76.3	64.4	51 700			52.0	45.2	51.6	6 100
		20.0	74.4	63.9	44 000			54.0	42.8	49.4	5 300
		22.0	72.6	63.2	37 900			56.0	40.3	47.1	4 600
		24.0	70.7	62.5	33 000			58.0	37.7	44.6	4 000
		26.0	68.8	61.8	29 000			60.0	34.9	41.8	3 400
		28.0	66.8	60.9	25 600			62.0	31.8	38.7	2 800
		30.0	64.8	60.0	22 800			64.0	28.5	35.1	2 300
		32.0	62.8	59.0	20 300	73.2	240	12.2	82.7	74.9	83 800
		34.0	60.8	57.9	18 200			13.0	82.0	74.8	82 500
		36.0	58.7	56.7	16 300			14.0	81.2	74.6	75 200
		38.0	56.6	55.4	14 600			15.0	80.4	74.4	67 400
		40.0	54.4	53.9	13 200			16.0	79.6	74.2	60 900
		42.0	52.1	52.4	11 800			18.0	78.0	73.8	50 700
		44.0	49.8	50.7	10 600			20.0	76.4	73.3	42 900
		46.0	47.4	48.9	9 600			22.0	74.8	72.8	36 800
		48.0	44.8	46.9	8 600			24.0	73.2	72.2	31 900
		50.0	42.2	44.8	7 700			26.0	71.5	71.5	27 900
		52.0	39.4	42.4	6 800			28.0	69.9	70.8	24 500
		54.0	36.4	39.7	6 100			30.0	68.2	70.0	21 700
		56.0	33.2	36.8	5 400			32.0	66.5	69.2	19 200
		58.0	29.7	33.4	4 700			34.0	64.7	68.2	17 000
67.1	220	11.6	82.5	68.8	98 200			36.0	63.0	67.2	15 100
		12.0	82.2	68.7	95 000			38.0	61.2	66.1	13 500
		13.0	81.3	68.6	85 000			40.0	59.4	64.9	12 000
		14.0	80.4	68.4	75 700			42.0	57.5	63.7	10 700
		15.0	79.6	68.2	68 000			44.0	55.6	62.3	9 500
		16.0	78.7	68.0	61 600			46.0	53.7	60.9	8 400
		18.0	76.9	67.6	51 300			48.0	51.7	59.3	7 400
		20.0	75.2	67.0	43 600			50.0	49.7	57.6	6 500
		22.0	73.4	66.4	37 500			52.0	47.6	55.8	5 700
		24.0	71.6	65.8	32 600			54.0	45.4	53.9	4 900
		26.0	69.8	65.1	28 600			56.0	43.1	51.8	4 200
		28.0	67.9	64.2	25 200			58.0	40.7	49.5	3 500
		30.0	66.1	63.4	22 400			60.0	38.2	47.0	2 900
		32.0	64.2	62.4	19 900			62.0	35.6	44.3	2 400
		34.0	62.2	61.4	17 700			64.0	32.7	41.2	1 800
		36.0	60.3	60.2	15 900						
		38.0	58.3	59.0	14 200						
		40.0	56.2	57.7	12 700						
		42.0	54.1	56.3	11 400						
		44.0	52.0	54.7	10 200						

MANITOWOC ENGINEERING CO.

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



LIFT CRANE CAPACITIES

BOOM NO. 44 WITH HEAVY LIFT TOP
75 750 kg COUNTERWEIGHT
360 DEGREE RATING

BRITISH
CODE

M-250

BOOM LGTH. METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	CAPACITY KILOGRAMS
7 6 2	2 5 0	12.2	83.0	78.0	80 800*
		13.0	82.4	77.8	79 900*
		14.0	81.6	77.7	75 500
		15.0	80.8	77.5	67 800
		16.0	80.1	77.3	61 300
		18.0	78.5	76.9	51 100
		20.0	77.0	76.5	43 400
		22.0	75.4	76.0	37 300
		24.0	73.9	75.4	32 400
		26.0	72.3	74.8	28 400
		28.0	70.7	74.1	24 900
		30.0	69.1	73.3	22 100
		32.0	67.5	72.5	19 600
		34.0	65.8	71.6	17 500
		36.0	64.2	70.6	15 600
		38.0	62.5	69.6	14 000
		40.0	60.7	68.5	12 400
		42.0	59.0	67.3	11 100
		44.0	57.2	66.0	9 900
		46.0	55.4	64.6	8 800
		48.0	53.5	63.2	7 800
		50.0	51.6	61.6	6 900
		52.0	49.6	59.9	6 100
		54.0	47.6	58.1	5 300
		56.0	45.5	56.2	4 700
		58.0	43.4	54.1	4 000
		60.0	41.1	51.8	3 400
		62.0	38.7	49.4	2 800
		64.0	36.2	46.7	2 300
7 9 2	2 6 0	12.8	82.8	81.0	76 200*
		13.0	82.7	80.9	75 800*
		14.0	81.9	80.8	73 300*
		15.0	81.2	80.6	67 700
		16.0	80.5	80.4	61 000
		18.0	79.0	80.1	50 800
		20.0	77.5	79.6	43 000
		22.0	76.0	79.1	36 900
		24.0	74.5	78.6	32 000
		26.0	73.0	78.0	27 900
		28.0	71.5	77.3	24 600
		30.0	69.9	76.6	21 700
		32.0	68.4	75.8	19 200
		34.0	66.8	74.9	17 100
		36.0	65.2	74.0	15 200
		38.0	63.6	73.0	13 500
		40.0	62.0	72.0	12 100
		42.0	60.3	70.8	10 700
		44.0	58.6	69.6	9 500
		46.0	56.9	68.3	8 400
		48.0	55.1	67.0	7 400
		50.0	53.3	65.5	6 600
		52.0	51.5	63.9	5 700
		54.0	49.6	62.2	5 000
		56.0	47.7	60.4	4 200
		58.0	45.7	58.5	3 600
		60.0	43.6	56.4	3 000
		62.0	41.4	54.2	2 400
		64.0	39.1	51.8	1 900
8 2 3	2 7 0	13.4	82.6	83.9	69 300*
		14.0	82.2	83.9	68 300*
		15.0	81.5	83.7	66 200
		16.0	80.8	83.5	62 000
		18.0	79.4	83.2	50 500
		20.0	78.0	82.7	42 700
		22.0	76.5	82.3	36 600
		24.0	75.1	81.7	31 700
		26.0	73.7	81.2	27 600
		28.0	72.2	80.5	24 300
		30.0	70.7	79.8	21 400
		32.0	69.2	79.1	18 900
		34.0	67.7	78.3	16 700
		36.0	66.2	77.4	14 900
		38.0	64.7	76.4	13 200
		40.0	63.1	75.4	11 700
8 2 3	2 7 0	42.0	61.5	74.4	10 400
		44.0	59.9	73.2	9 200
		46.0	58.3	72.0	8 100
		48.0	56.6	70.7	7 100
		50.0	54.9	69.3	6 200
		52.0	53.2	67.8	5 400
		54.0	51.4	66.2	4 600
		56.0	49.6	64.5	3 900
		58.0	47.7	62.7	3 200
		60.0	45.8	60.8	2 600
		62.0	43.8	58.8	2 100
8 3 3	2 8 0	13.4	82.9	87.0	64 200*
		14.0	82.5	86.9	64 000*
		15.0	81.8	86.8	63 300*
		16.0	81.1	86.6	60 300*
		18.0	79.8	86.3	50 600
		20.0	78.4	85.9	42 600
		22.0	77.0	85.4	36 500
		24.0	75.6	84.9	31 600
		26.0	74.3	84.3	27 500
		28.0	72.8	83.7	24 100
		30.0	71.4	83.1	21 200
		32.0	70.0	82.3	18 800
		34.0	68.6	81.6	16 600
		36.0	67.1	80.7	14 700
		38.0	65.6	79.8	13 000
		40.0	64.1	78.9	11 600
		42.0	62.6	77.8	10 200
		44.0	61.1	76.7	9 000
		46.0	59.5	75.6	8 000
		48.0	58.0	74.3	7 000
		50.0	56.4	73.0	6 100
		52.0	54.7	71.6	5 200
		54.0	53.0	70.1	4 500
		56.0	51.3	68.5	3 700
		58.0	49.6	66.8	3 100
		60.0	47.8	65.0	2 500
		62.0	45.9	63.1	1 900
8 4 4	2 9 0	14.0	82.8	90.0	59 800*
		15.0	82.1	89.9	59 400*
		16.0	81.5	89.7	58 200*
		18.0	80.1	89.4	50 600
		20.0	78.8	89.0	42 400
		22.0	77.5	88.5	36 200
		24.0	76.2	88.0	31 300
		26.0	74.8	87.5	27 300
		28.0	73.5	86.9	23 900
		30.0	72.1	86.3	21 000
		32.0	70.7	85.6	18 600
		34.0	69.3	84.8	16 400
		36.0	67.9	84.0	14 500
		38.0	66.5	83.2	12 800
		40.0	65.1	82.2	11 300
		42.0	63.7	81.3	10 000
		44.0	62.2	80.2	8 800
		46.0	60.7	79.1	7 700
		48.0	59.2	77.9	6 700
		50.0	57.7	76.7	5 800
		52.0	56.1	75.3	5 000
		54.0	54.5	73.9	4 200
		56.0	52.9	72.4	3 500
		58.0	51.3	70.8	2 900
		60.0	49.6	69.1	2 200