

MANITOWOC ENGINEERING CO.

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



LIFTCRANE BOOM CAPACITIES

BRITISH
CODE

M-250 SERIES 2

BOOM NO. 44 WITH HEAVY LIFT TOP
93 890 kg CRANE COUNTERWEIGHT
27 220 kg CARBODY COUNTERWEIGHT
360 DEGREE RATING

CAPACITIES FOR VARIOUS BOOM LENGTHS AND OPERATING RADII 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 MAIN BOOM CAPACITY.

76.2m THRU 88.4m BOOM LENGTHS REQUIRE ONLY THE MIDDLE 3 SHEAVES TO BE USED ON LOWER BOOM POINT. ALL OTHER SHEAVES MUST BE REMOVED FROM 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 MAIN BOOM LOAD. 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 GANTRY UP. REFER TO BOOM RIGGING NO. 170423 OR NO. 172611, WIRE ROPE SPECIFICATION CHART NO. 7602-A AND COUNTERWEIGHT ARRANGEMENT CHART NO. 7692-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 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 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 BOOM ANGLE RANGE SHOWN IN CAPACITY CHART.

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 9 373 mm CRAWLERS, 1 219 mm TREADS, 8 534 mm RETRACTABLE GANTRY, 12 PART BOOM HOIST REEVING, FOUR 45 mm BOOM PENDANTS, 93 890 kg CRANE COUNTERWEIGHT, AND TWO 13 610 kg CARBODY COUNTERWEIGHTS.

WIND LIMITS DURING OPERATION		
MAXIMUM WIND VELOCITY	BOOM LENGTH	JIB LENGTH
m/s	METERS	METERS
14	21.3 - 67.1	---
10	70.1 - 88.4	---
14	39.6 - 67.1	12.2 - 18.3
10	70.1 - 79.2	12.2 - 18.3
14	39.6 - 54.9	24.4
10	57.9 - 73.2	24.4
7	76.2	24.4
10	39.6 - 67.1	30.5
7	70.1 - 73.2	30.5
10	39.6 - 61.0	36.6
7	64.0 - 70.1	36.6

MAXIMUM BOOM AND JIB LENGTHS LIFTED UNASSISTED OVER FRONT SIDE OR REAR OF CRAWLERS		DEDUCT FROM CAPACITIES WHEN JIB IS ATTACHED	
BOOM LGTH.	JIB NO. 132	JIB LGTH.	JIB NO. 132
88.4m	---	12.2m	3 080 kg
85.3m	---	18.3m	3 990 kg
82.3m	---	24.4m	5 080 kg
79.2m	18.3m	30.5m	6 210 kg
76.2m	24.4m	36.6m	7 480 kg
73.2m	30.5m		
70.1m	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.

BOOM LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	BOOM CAPACITY KILOGRAMS
21.3	70	5.5	82.9	23.5	272 100*
		6.0	81.5	23.4	245 200*
		6.5	80.2	23.3	244 500*
		7.0	78.8	23.2	228 900*
		7.5	77.4	23.1	214 300*
		8.0	76.0	22.9	201 600*
		8.5	74.6	22.8	190 200*
		9.0	73.2	22.6	179 900*
		10.0	70.3	22.2	162 100*
		11.0	67.4	21.8	142 000
		12.0	64.4	21.3	124 400
		13.0	61.3	20.7	110 500
		14.0	58.1	20.1	99 300
		15.0	54.8	19.4	90 000
		16.0	51.4	18.5	82 100
		18.0	43.8	16.6	69 700
		20.0	34.8	13.9	59 200*

BOOM LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	BOOM CAPACITY KILOGRAMS
24.4	80	6.1	82.4	26.5	238 500*
		6.5	81.4	26.4	236 900*
		7.0	80.2	26.3	228 400*
		7.5	79.0	26.2	213 900*
		8.0	77.8	26.1	201 100*
		8.5	76.6	26.0	189 700*
		9.0	75.4	25.8	179 400*
		10.0	72.9	25.5	161 700*
		11.0	70.4	25.1	141 800
		12.0	67.8	24.7	124 200
		13.0	65.2	24.2	110 300
		14.0	62.6	23.7	99 000
		15.0	59.8	23.1	89 700
		16.0	57.0	22.4	81 900
		18.0	51.1	20.8	69 500
		20.0	44.5	18.9	60 000
		22.0	37.0	16.4	52 600
		24.0	27.6	13.0	44 100*

MANITOWOC ENGINEERING CO.

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



LIFTCRANE BOOM CAPACITIES

BRITISH
CODE

M-250 SERIES 2

BOOM NO. 44 WITH HEAVY LIFT TOP

93 890 kg CRANE COUNTERWEIGHT

27 220 kg CARBODY COUNTERWEIGHT

360 DEGREE RATING

BOOM LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	BOOM CAPACITY KILOGRAMS
2 7 · 4	9 0	6.4	82.6	29.5	226 000*
		6.5	82.4	29.5	225 500*
		7.0	81.3	29.4	223 300*
		7.5	80.3	29.3	214 200*
		8.0	79.2	29.2	200 800*
		8.5	78.1	29.1	189 500*
		9.0	77.0	29.0	179 300*
		10.0	74.9	28.7	161 500*
		11.0	72.7	28.4	141 800
		12.0	70.4	28.0	124 100
		13.0	68.2	27.6	110 300
		14.0	65.9	27.1	99 000
		15.0	63.5	26.6	89 700
		16.0	61.1	26.0	81 800
		18.0	56.1	24.7	69 400
		20.0	50.8	23.1	60 000
		22.0	45.0	21.2	52 500
		24.0	38.5	18.8	46 600
3 0 · 5	1 0 0	6.7	82.8	32.6	217 200*
		7.0	82.2	32.5	215 900*
		7.5	81.2	32.4	212 100*
		8.0	80.3	32.3	200 300*
		8.5	79.3	32.2	189 000*
		9.0	78.4	32.1	178 800*
		10.0	76.4	31.9	161 100*
		11.0	74.5	31.6	141 500
		12.0	72.5	31.2	123 900
		13.0	70.5	30.9	110 000
		14.0	68.5	30.5	98 700
		15.0	66.4	30.0	89 400
		16.0	64.3	29.5	81 500
		18.0	60.0	28.4	69 100
		20.0	55.4	27.0	59 600
		22.0	50.6	25.4	52 200
		24.0	45.4	23.5	46 300
		26.0	39.7	21.2	41 300
		28.0	33.1	18.3	37 200
3 3 · 5	1 1 0	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	162 700*
		10.0	77.7	35.0	158 800*
		11.0	75.9	34.7	141 400
		12.0	74.1	34.4	123 700
		13.0	72.3	34.1	109 800
		14.0	70.5	33.8	98 500
		15.0	68.7	33.3	89 200
		16.0	66.8	32.9	81 300
		18.0	63.0	31.9	68 900
		20.0	59.0	30.7	59 500
		22.0	54.9	29.3	52 000
		24.0	50.5	27.7	46 100
		26.0	45.8	25.8	41 200
		28.0	40.6	23.6	37 000
		30.0	34.9	20.9	33 600
		32.0	28.0	17.4	30 500

BOOM LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	BOOM CAPACITY KILOGRAMS
3 6 · 6	1 2 0	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	159 300*
		10.0	78.7	38.1	156 400*
		11.0	77.1	37.9	141 100
		12.0	75.5	37.6	123 500
		13.0	73.9	37.3	109 500
		14.0	72.2	37.0	98 200
		15.0	70.5	36.6	88 900
		16.0	68.9	36.2	81 000
		18.0	65.4	35.3	68 500
		20.0	61.9	34.3	59 100
		22.0	58.2	33.1	51 700
		24.0	54.4	31.7	45 700
		26.0	50.4	30.0	40 800
		28.0	46.1	28.2	36 700
		30.0	41.4	26.0	33 200
		32.0	36.3	23.4	30 200
		34.0	30.3	20.1	27 500
3 9 · 6	1 3 0	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	155 700*
		10.0	79.6	41.3	153 100*
		11.0	78.1	41.0	141 200
		12.0	76.6	40.8	123 400
		13.0	75.1	40.5	109 500
		14.0	73.6	40.2	98 200
		15.0	72.1	39.9	88 900
		16.0	70.6	39.5	81 000
		18.0	67.4	38.7	68 500
		20.0	64.2	37.7	59 100
		22.0	60.9	36.6	51 600
		24.0	57.5	35.4	45 700
		26.0	54.0	34.0	40 700
		28.0	50.3	32.3	36 600
		30.0	46.3	30.5	33 100
		32.0	42.0	28.3	30 100
		34.0	37.4	25.8	27 500
		36.0	32.2	22.8	25 200
		38.0	25.9	19.0	23 200
4 2 · 7	1 4 0	8.2	82.8	44.7	154 800*
		8.5	82.4	44.6	154 000*
		9.0	81.7	44.5	152 700*
		10.0	80.4	44.4	150 200*
		11.0	79.0	44.2	140 900
		12.0	77.6	43.9	123 100
		13.0	76.2	43.7	109 200
		14.0	74.8	43.4	97 900
		15.0	73.4	43.1	88 500
		16.0	72.0	42.8	80 600
		18.0	69.1	42.0	68 100
		20.0	66.2	41.1	58 700
		22.0	63.2	40.1	51 300
		24.0	60.1	39.0	45 300
		26.0	56.9	37.7	40 400
		28.0	53.6	36.3	36 200
		30.0	50.2	34.6	32 700
		32.0	46.5	32.8	29 700
		34.0	42.6	30.7	27 100
		36.0	38.3	28.2	24 800
		38.0	33.6	25.3	22 800

MANITOWOC ENGINEERING CO.

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



LIFT CRANE BOOM CAPACITIES

BRITISH
CODE

M-250 SERIES 2

BOOM NO. 44 WITH HEAVY LIFT TOP
93 890 kg CRANE COUNTERWEIGHT
27 220 kg CARBODY COUNTERWEIGHT
360 DEGREE RATING

BOOM LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	BOOM CAPACITY KILOGRAMS	BOOM LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	BOOM CAPACITY KILOGRAMS
4 5 7	1 5 0	8.5	82.9	47.7	136 900*	5 1 8	1 7 0	30.0	58.3	46.0	32 000
		9.0	82.3	47.6	135 500*			32.0	55.6	44.7	29 000
		10.0	81.0	47.5	132 800*			34.0	52.8	43.2	26 400
		11.0	79.7	47.3	130 400*			36.0	50.0	41.5	24 100
		12.0	78.5	47.1	123 700			38.0	47.0	39.7	22 000
		13.0	77.2	46.8	108 900			40.0	43.8	37.7	20 200
		14.0	75.9	46.6	97 600			42.0	40.4	35.4	18 600
		15.0	74.6	46.3	88 300			44.0	36.8	32.8	17 100
		16.0	73.3	46.0	80 400			46.0	32.8	29.8	15 800
		18.0	70.6	45.3	67 900			48.0	28.4	26.3	14 600
		20.0	67.9	44.5	58 400	5 4 9	1 8 0	9.8	82.8	56.8	124 200*
		22.0	65.2	43.6	51 000			10.0	82.5	56.7	123 800*
		24.0	62.3	42.5	45 000			11.0	81.5	56.6	122 000*
		26.0	59.4	41.4	40 100			12.0	80.4	56.4	119 900
		28.0	56.4	40.0	36 000			13.0	79.3	56.2	108 200
		30.0	53.3	38.6	32 500			14.0	78.3	56.0	96 900
		32.0	50.1	36.9	29 400			15.0	77.2	55.7	87 500
		34.0	46.7	35.1	26 800			16.0	76.1	55.5	79 600
		36.0	43.0	33.0	24 500			18.0	74.0	54.9	67 100
		38.0	39.1	30.6	22 500			20.0	71.8	54.3	57 600
		40.0	34.9	27.8	20 700			22.0	69.5	53.5	50 100
		42.0	30.1	24.6	19 100			24.0	67.3	52.7	44 200
4 8 8	1 6 0	8.8	83.0	50.7	132 200*			26.0	65.0	51.8	39 200
		9.0	82.8	50.7	131 800*			28.0	62.6	50.7	35 100
		10.0	81.6	50.6	129 300*			30.0	60.2	49.6	31 600
		11.0	80.4	50.4	127 100*			32.0	57.8	48.4	28 600
		12.0	79.2	50.2	122 200			34.0	55.2	47.0	25 900
		13.0	78.0	50.0	108 600			36.0	52.6	45.5	23 700
		14.0	76.8	49.7	97 300			38.0	49.9	43.8	21 600
		15.0	75.6	49.4	87 900			40.0	47.1	42.0	19 800
		16.0	74.3	49.2	80 000			42.0	44.1	40.0	18 200
		18.0	71.9	48.5	67 500			44.0	41.0	37.7	16 700
		20.0	69.4	47.8	58 000			46.0	37.6	35.2	15 400
		22.0	66.8	46.9	50 600			48.0	33.9	32.3	14 200
		24.0	64.2	46.0	44 600			50.0	29.9	29.0	13 100
		26.0	61.5	44.9	39 700	5 7 9	1 9 0	10.4	82.6	59.7	109 100*
		28.0	58.8	43.7	35 600			11.0	81.9	59.7	107 900*
		30.0	56.0	42.4	32 100			12.0	80.9	59.5	106 200*
		32.0	53.1	40.9	29 000			13.0	79.9	59.3	104 400*
		34.0	50.0	39.2	26 400			14.0	78.9	59.1	96 700
		36.0	46.8	37.4	24 100			15.0	77.9	58.9	87 200
		38.0	43.4	35.3	22 100			16.0	76.9	58.6	79 300
		40.0	39.8	33.0	20 300			18.0	74.8	58.1	66 800
		42.0	35.9	30.3	18 600			20.0	72.8	57.5	57 300
		44.0	31.6	27.2	17 200			22.0	70.7	56.8	49 900
5 1 8	1 7 0	9.1	83.0	53.8	128 500*			24.0	68.5	56.0	43 900
		10.0	82.1	53.6	126 700*			26.0	66.4	55.1	38 900
		11.0	81.0	53.5	124 600*			28.0	64.2	54.2	34 800
		12.0	79.8	53.3	121 200			30.0	61.9	53.1	31 300
		13.0	78.7	53.1	108 500			32.0	59.7	52.0	28 300
		14.0	77.6	52.9	97 200			34.0	57.3	50.7	25 700
		15.0	76.4	52.6	87 800			36.0	54.9	49.3	23 300
		16.0	75.3	52.3	79 900			38.0	52.4	47.8	21 300
		18.0	73.0	51.7	67 400			40.0	49.9	46.1	19 500
		20.0	70.6	51.0	58 000			42.0	47.2	44.3	17 900
		22.0	68.3	50.2	50 500			44.0	44.4	42.3	16 400
		24.0	65.8	49.4	44 500			46.0	41.4	40.1	15 100
		26.0	63.4	48.4	39 600			48.0	38.3	37.6	13 900
		28.0	60.8	47.3	35 500			50.0	34.9	34.8	12 800
								52.0	31.2	31.6	11 700

MANITOWOC ENGINEERING CO.

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



LIFT CRANE BOOM CAPACITIES

BRITISH
CODE

M-250 SERIES 2

BOOM NO. 44 WITH HEAVY LIFT TOP
93 890 kg CRANE COUNTERWEIGHT
27 220 kg CARBODY COUNTERWEIGHT
360 DEGREE RATING

BOOM LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	BOOM CAPACITY KILOGRAMS
6 1 0	2 0 0	10.4	82.9	62.8	105 500*
		11.0	82.3	62.7	104 500*
		12.0	81.4	62.6	102 900*
		13.0	80.4	62.4	101 500*
		14.0	79.5	62.2	96 300
		15.0	78.5	62.0	86 900
		16.0	77.5	61.8	78 900
		18.0	75.6	61.3	66 400
		20.0	73.6	60.7	56 900
		22.0	71.7	60.0	49 500
		24.0	69.7	59.3	43 500
		26.0	67.6	58.5	38 500
		28.0	65.6	57.6	34 400
		30.0	63.5	56.6	30 900
		32.0	61.3	55.5	27 900
		34.0	59.2	54.3	25 300
		36.0	56.9	53.0	22 900
		38.0	54.6	51.6	20 900
		40.0	52.3	50.1	19 100
		42.0	49.8	48.4	17 500
		44.0	47.3	46.6	16 000
		46.0	44.6	44.6	14 600
		48.0	41.8	42.4	13 400
		50.0	38.9	40.0	12 300
		52.0	35.7	37.3	11 300
		54.0	32.3	34.2	10 400
		56.0	28.5	30.7	9 500
6 4 0	2 1 0	11.0	82.7	65.8	101 800*
		12.0	81.8	65.7	100 500*
		13.0	80.9	65.5	98 300*
		14.0	80.0	65.3	94 600*
		15.0	79.1	65.1	86 900
		16.0	78.1	64.9	78 800
		18.0	76.3	64.4	66 300
		20.0	74.4	63.9	56 800
		22.0	72.6	63.2	49 300
		24.0	70.7	62.5	43 300
		26.0	68.8	61.8	38 400
		28.0	66.8	60.9	34 300
		30.0	64.8	60.0	30 700
		32.0	62.8	59.0	27 700
		34.0	60.8	57.9	25 100
		36.0	58.7	56.7	22 800
		38.0	56.6	55.4	20 800
		40.0	54.4	53.9	18 900
		42.0	52.1	52.4	17 300
		44.0	49.8	50.7	15 900
		46.0	47.4	48.9	14 500
		48.0	44.8	46.9	13 300
		50.0	42.2	44.8	12 200
		52.0	39.4	42.4	11 200
		54.0	36.4	39.7	10 300
		56.0	33.2	36.8	9 400
		58.0	29.7	33.4	8 600
6 7 1	2 2 0	11.6	82.5	68.8	98 200*
		12.0	82.2	68.7	97 300*
		13.0	81.3	68.6	93 900*
		14.0	80.4	68.4	90 400*
		15.0	79.6	68.2	86 100
		16.0	78.7	68.0	79 100
		18.0	76.9	67.6	65 900
		20.0	75.2	67.0	56 400
		22.0	73.4	66.4	48 900
		24.0	71.6	65.8	43 000
		26.0	69.8	65.1	38 000
		28.0	67.9	64.2	33 900
		30.0	66.1	63.4	30 400
		32.0	64.2	62.4	27 400
		34.0	62.2	61.4	24 700
		36.0	60.3	60.2	22 400
		38.0	58.3	59.0	20 400
		40.0	56.2	57.7	18 500
6 7 1	2 2 0	42.0	54.1	56.3	16 900
		44.0	52.0	54.7	15 500
		46.0	49.7	53.0	14 100
		48.0	47.4	51.2	12 900
		50.0	45.0	49.3	11 800
		52.0	42.5	47.1	10 800
		54.0	39.9	44.8	9 900
		56.0	37.1	42.2	9 000
		58.0	34.1	39.3	8 200
		60.0	30.9	36.1	7 400
		62.0	27.3	32.4	6 700
7 0 1	2 3 0	11.6	82.9	71.9	87 200*
		12.0	82.5	71.8	86 700*
		13.0	81.7	71.7	85 500*
		14.0	80.9	71.5	84 500*
		15.0	80.0	71.3	81 900*
		16.0	79.2	71.1	77 800*
		18.0	77.5	70.7	65 900
		20.0	75.8	70.2	56 100
		22.0	74.1	69.6	48 700
		24.0	72.4	69.0	42 700
		26.0	70.7	68.3	37 700
		28.0	68.9	67.5	33 500
		30.0	67.2	66.7	30 000
		32.0	65.4	65.8	27 000
		34.0	63.6	64.8	24 400
		36.0	61.7	63.7	22 100
		38.0	59.8	62.6	20 000
		40.0	57.9	61.3	18 200
		42.0	55.9	60.0	16 600
		44.0	53.9	58.6	15 100
		46.0	51.8	57.0	13 800
		48.0	49.7	55.3	12 600
		50.0	47.5	53.5	11 500
		52.0	45.2	51.6	10 500
		54.0	42.8	49.4	9 500
		56.0	40.3	47.1	8 600
		58.0	37.7	44.6	7 900
		60.0	34.9	41.8	7 100
		62.0	31.8	38.7	6 400
		64.0	28.5	35.1	5 800
7 3 2	2 4 0	12.2	82.7	74.9	83 800*
		13.0	82.0	74.8	82 900*
		14.0	81.2	74.6	80 400*
		15.0	80.4	74.4	77 800*
		16.0	79.6	74.2	75 000*
		18.0	78.0	73.8	65 800
		20.0	76.4	73.3	55 800
		22.0	74.8	72.8	48 300
		24.0	73.2	72.2	42 200
		26.0	71.5	71.5	37 300
		28.0	69.9	70.8	33 200
		30.0	68.2	70.0	29 700
		32.0	66.5	69.2	26 600
		34.0	64.7	68.2	24 000
		36.0	63.0	67.2	21 700
		38.0	61.2	66.1	19 600
		40.0	59.4	64.9	17 800
		42.0	57.5	63.7	16 200
		44.0	55.6	62.3	14 700
		46.0	53.7	60.9	13 400
		48.0	51.7	59.3	12 200
		50.0	49.7	57.6	11 000
		52.0	47.6	55.8	10 000
		54.0	45.4	53.9	9 100
		56.0	43.1	51.8	8 200
		58.0	40.7	49.5	7 400
		60.0	38.2	47.0	6 700
		62.0	35.6	44.3	6 000
		64.0	32.7	41.2	5 300
		66.0	29.6	37.8	4 700
		68.0	26.2	34.0	4 100

MANITOWOC ENGINEERING CO.

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



LIFT CRANE BOOM CAPACITIES

BRITISH
CODE

M-250 SERIES 2

BOOM NO. 44 WITH HEAVY LIFT TOP
93 890 kg CRANE COUNTERWEIGHT
27 220 kg CARBODY COUNTERWEIGHT
360 DEGREE RATING

BOOM LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	BOOM CAPACITY KILOGRAMS	BOOM LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	BOOM CAPACITY KILOGRAMS
7 6 · 2	2 5 0	12.2	83.0	78.0	80 800*	8 2 · 3	2 7 0	13.4	82.6	83.9	69 300*
		13.0	82.4	77.8	79 900*			14.0	82.2	83.9	68 300*
		14.0	81.6	77.7	77 300*			15.0	81.5	83.7	66 200*
		15.0	80.8	77.5	74 800*			16.0	80.8	83.5	64 000*
		16.0	80.1	77.3	72 300*			18.0	79.4	83.2	59 800*
		18.0	78.5	76.9	65 500			20.0	78.0	82.7	55 500*
		20.0	77.0	76.5	56 200			22.0	76.5	82.3	48 100
		22.0	75.4	76.0	48 700			24.0	75.1	81.7	42 000
		24.0	73.9	75.4	42 700			26.0	73.7	81.2	37 000
		26.0	72.3	74.8	37 800			28.0	72.2	80.5	32 900
		28.0	70.7	74.1	33 600			30.0	70.7	79.8	29 400
		30.0	69.1	73.3	30 100			32.0	69.2	79.1	26 400
		32.0	67.5	72.5	27 000			34.0	67.7	78.3	23 700
		34.0	65.8	71.6	24 400			36.0	66.2	77.4	21 400
		36.0	64.2	70.6	22 100			38.0	64.7	76.4	19 300
		38.0	62.5	69.6	20 100			40.0	63.1	75.4	17 500
		40.0	60.7	68.5	18 300			42.0	61.5	74.4	15 900
		42.0	59.0	67.3	16 600			44.0	59.9	73.2	14 400
		44.0	57.2	66.0	15 100			46.0	58.3	72.0	13 100
		46.0	55.4	64.6	13 800			48.0	56.6	70.7	11 900
		48.0	53.5	63.2	12 600			50.0	54.9	69.3	10 800
		50.0	51.6	61.6	11 500			52.0	53.2	67.8	9 700
		52.0	49.6	59.9	10 500			54.0	51.4	66.2	8 800
		54.0	47.6	58.1	9 500			56.0	49.6	64.5	8 000
		56.0	45.5	56.2	8 700			58.0	47.7	62.7	7 100
7 9 · 2	2 6 0	58.0	43.4	54.1	7 900	8 5 · 3	2 8 0	60.0	45.8	60.8	6 400
		60.0	41.1	51.8	7 100			62.0	43.8	58.8	5 700
		62.0	38.7	49.4	6 400			64.0	41.7	56.5	5 000
		64.0	36.2	46.7	5 800			66.0	39.6	54.2	4 400
		66.0	33.5	43.8	5 200			68.0	37.3	51.6	3 900
		68.0	30.6	40.5	4 600			70.0	34.9	48.8	3 300
		70.0	27.5	36.8	4 100			72.0	32.3	45.7	2 800
								74.0	29.6	42.3	2 300
								76.0	26.5	38.4	1 900
		12.8	82.8	81.0	76 200*			13.4	82.9	87.0	64 200*
		13.0	82.7	80.9	75 800*			14.0	82.5	86.9	64 000*
		14.0	81.9	80.8	73 300*			15.0	81.8	86.8	63 300*
		15.0	81.2	80.6	71 000*			16.0	81.1	86.6	61 300*
		16.0	80.5	80.4	68 600*			18.0	79.8	86.3	58 500*
		18.0	79.0	80.1	63 900*			20.0	78.4	85.9	55 700
		20.0	77.5	79.6	55 900			22.0	77.0	85.4	47 900
		22.0	76.0	79.1	48 400			24.0	75.6	84.9	41 900
		24.0	74.5	78.6	42 300			26.0	74.3	84.3	36 900
		26.0	73.0	78.0	37 300			28.0	72.8	83.7	32 800
		28.0	71.5	77.3	33 200			30.0	71.4	83.1	29 200
		30.0	69.9	76.6	29 700			32.0	70.0	82.3	26 200
		32.0	68.4	75.8	26 700			34.0	68.6	81.6	23 600
		34.0	66.8	74.9	24 000			36.0	67.1	80.7	21 200
		36.0	65.2	74.0	21 700			38.0	65.6	79.8	19 200
		38.0	63.6	73.0	19 700			40.0	64.1	78.9	17 400
		40.0	62.0	72.0	17 900			42.0	62.6	77.8	15 700
		42.0	60.3	70.8	16 200			44.0	61.1	76.7	14 300
		44.0	58.6	69.6	14 700			46.0	59.5	75.6	12 900
		46.0	56.9	68.3	13 400			48.0	58.0	74.3	11 700
		48.0	55.1	67.0	12 200			50.0	56.4	73.0	10 600
		50.0	53.3	65.5	11 100			52.0	54.7	71.6	9 600
		52.0	51.5	63.9	10 100			54.0	53.0	70.1	8 600
		54.0	49.6	62.2	9 100			56.0	51.3	68.5	7 800
		56.0	47.7	60.4	8 300			58.0	49.6	66.8	7 000
		58.0	45.7	58.5	7 500			60.0	47.8	65.0	6 200
		60.0	43.6	56.4	6 700			62.0	45.9	63.1	5 500
		62.0	41.4	54.2	6 000			64.0	44.0	61.1	4 900
		64.0	39.1	51.8	5 400			66.0	42.0	58.9	4 300
		66.0	36.8	49.2	4 800			68.0	39.9	56.5	3 700
		68.0	34.2	46.3	4 200			70.0	37.8	54.0	3 200
		70.0	31.5	43.1	3 700			72.0	35.5	51.2	2 700
		72.0	28.6	39.6	3 100			74.0	33.1	48.2	2 200*

MANITOWOC ENGINEERING CO.

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



LIFT CRANE BOOM CAPACITIES

BRITISH
CODE

M-250 SERIES 2

BOOM NO. 44 WITH HEAVY LIFT TOP
93 890 kg CRANE COUNTERWEIGHT
27 220 kg CARBODY COUNTERWEIGHT
360 DEGREE RATING

BOOM LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	BOOM CAPACITY KILOGRAMS
8 8 · 4	2 9 0	14.0	82.7	90.0	59 800*
		15.0	82.1	89.9	59 400*
		16.0	81.5	89.7	58 800*
		18.0	80.1	89.4	56 900*
		20.0	78.8	89.0	54 300*
		22.0	77.5	88.5	47 800
		24.0	76.2	88.0	41 700
		26.0	74.8	87.5	36 700
		28.0	73.5	86.9	32 500
		30.0	72.1	86.3	29 000
		32.0	70.7	85.6	26 000
		34.0	69.3	84.8	23 300
		36.0	67.9	84.0	21 000
		38.0	66.5	83.2	19 000
		40.0	65.1	82.2	17 100
		42.0	63.7	81.3	15 500
		44.0	62.2	80.2	14 100
		46.0	60.7	79.1	12 700
		48.0	59.2	77.9	11 500
		50.0	57.7	76.7	10 400
		52.0	56.1	75.3	9 300
		54.0	54.5	73.9	8 400
		56.0	52.9	72.4	7 500*
		58.0	51.3	70.8	6 500*
		60.0	49.6	69.1	5 500*
		62.0	47.8	67.3	4 600*
		64.0	46.0	65.4	3 800*
		66.0	44.2	63.4	3 100*
		68.0	42.3	61.2	2 500*
		70.0	40.3	58.9	1 900*