

LIFT CRANE BOOM CAPACITIES WITH LUFFING JIB ATTACHED

BRITISH
STANDARDS

888 SERIES 2

BOOM NO. 22EL

LUFFING JIB NO. 135

81 240 kg CRANE COUNTERWEIGHT

19 960 kg CARBODY COUNTERWEIGHT

8 585 mm CRAWLERS EXTENDED

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 (*).

57.9m BOOM LENGTH REQUIRES ONLY THE MIDDLE TWO SHEAVES IN LOWER BOOM POINT. ALL OTHER SHEAVES MUST BE REMOVED FROM LOWER BOOM POINT.

WEIGHT OF ALL LOAD BLOCKS, HOOKS, WEIGHT BALL, SLINGS, HOIST LINES, ETC., BENEATH BOOM POINT SHEAVES, IS CONSIDERED PART OF MAIN BOOM LOAD. WEIGHT OF LUFFING JIB AND 1 280 kg SUSPENDED BENEATH LUFFING 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 CRAWLERS FULLY EXTENDED AND GANTRY UP. DURING OPERATION, LUFFING JIB MUST BE MAINTAINED AT PROPER BOOM TO LUFFING JIB ANGLE SHOWN IN TABLE. REFER TO LUFFING JIB ASSEMBLY NO. 177063 OR NO. 177354, WIRE ROPE SPECIFICATION CHART NO. 7912-A, AND LUFFING JIB RAISING PROCEDURE CHART NO. 7826-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 WHEN WIND EXCEEDS THOSE SHOWN IN TABLE AND LOWERING BOOM AND LUFFING JIB TO GROUND WHEN WIND IS ABOVE 22 m/s.

MACHINE TO TRAVEL ON A FIRM, LEVEL AND UNIFORMLY SUPPORTING SURFACE WITH BOOM WITHIN ANGLE RANGE SHOWN IN CAPACITY CHART AND LUFFING JIB SET AT PROPER BOOM TO LUFFING JIB ANGLE SHOWN IN TABLE. REFER TO MAXIMUM ALLOWABLE TRAVEL SPECIFICATION CHART NO. 7827-A.

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 8 585 mm EXTENDIBLE CRAWLERS, 1 219 mm TREADS, 3 124 mm RETRACTABLE GANTRY, 9 144 mm MAST, 20 PART BOOM HOIST REEVING, FOUR 35 mm BOOM PENDANTS, 8 PART LUFFING JIB HOIST REEVING, TWO 38 mm LUFFING JIB PENDANTS AND BACKSTAYS, 81 240 kg CRANE COUNTERWEIGHT AND 19 960 kg CARBODY COUNTERWEIGHT.

LUFFING JIB POSITION DURING OPERATION	
LUFFING JIB LENGTH - METERS	BOOM TO LUFFING JIB ANGLE
21.3	140 DEGREES
24.4 - 27.4	150 DEGREES
30.5 - 36.6	160 DEGREES
39.6 - 51.8	168 DEGREES

WIND LIMITS DURING OPERATION					
14 m/s MAXIMUM WIND VELOCITY		10 m/s MAXIMUM WIND VELOCITY		7 m/s MAXIMUM WIND VELOCITY	
BOOM LENGTH	LUFFING JIB LENGTH	BOOM LENGTH	LUFFING JIB LENGTH	BOOM LENGTH	LUFFING JIB LENGTH
METERS	METERS	METERS	METERS	METERS	METERS
21.3 - 27.4	21.3 - 42.7	21.3 - 27.4	45.7 - 51.8	51.8 - 57.9	45.7 - 51.8
30.5 - 48.8	21.3 - 30.5	30.5 - 48.8	33.5 - 51.8		
		51.8 - 57.9	21.3 - 42.7		

CONSULT CHART NO. 7908-AM FOR LUFFING JIB CAPACITIES

MANITOWOC ENGINEERING CO.

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



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81 240 kg CRANE COUNTERWEIGHT

19 960 kg CARBODY COUNTERWEIGHT

8 585 mm CRAWLERS EXTENDED

360 DEGREE RATING

21.3m (70 FT.) LUFFING JIB, ATTACHED AT 140 DEGREE BOOM TO LUFFING JIB ANGLE

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
2 1 3	7 0	4.9	82.8	23.5	178 700*	3 9 6	1 3 0	7.3	82.6	41.7	109 400*
		5.0	82.5	23.5	174 400*			7.5	82.3	41.6	108 500*
		5.5	81.1	23.4	158 100*			8.0	81.6	41.6	105 600*
		6.0	79.7	23.3	144 400*			8.5	80.9	41.5	98 500*
		6.5	78.4	23.2	132 700*			9.0	80.1	41.4	92 000*
		7.0	77.0	23.1	122 500*			10.0	78.6	41.2	81 300*
		7.5	75.6	23.0	113 600*			11.0	77.2	40.9	72 400
		8.0	74.2	22.8	105 700*			12.0	75.7	40.7	63 900
		8.5	72.8	22.6	98 700*			13.0	74.2	40.4	55 400
		9.0	71.3	22.5	92 400*			14.0	72.6	40.1	48 600
								15.0	71.1	39.7	42 900
2 4 4	8 0	5.2	83.0	26.6	167 500*	4 2 7	1 4 0	7.9	82.3	44.7	101 200*
		5.5	82.2	26.5	157 900*			8.0	82.2	44.6	100 800*
		6.0	81.0	26.4	144 300*			8.5	81.5	44.6	97 900*
		6.5	79.8	26.3	132 600*			9.0	80.8	44.5	92 300*
		7.0	78.6	26.2	122 400*			10.0	79.5	44.3	81 100*
		7.5	77.4	26.1	113 500*			11.0	78.1	44.1	72 300
		8.0	76.2	26.0	105 600*			12.0	76.7	43.8	63 900
		8.5	75.0	25.8	98 600*			13.0	75.3	43.6	55 400
		9.0	73.8	25.7	92 300*			14.0	73.9	43.3	48 600
		10.0	71.3	25.3	81 500*			15.0	72.5	43.0	43 000
2 7 4	9 0	5.8	82.5	29.6	149 400*	4 5 7	1 5 0	7.9	82.8	47.7	90 200*
		6.0	82.0	29.5	144 200*			8.0	82.7	47.7	89 900*
		6.5	81.0	29.4	132 600*			8.5	82.1	47.6	87 900*
		7.0	79.9	29.3	122 300*			9.0	81.4	47.6	86 000*
		7.5	78.9	29.2	113 400*			10.0	80.2	47.4	81 300*
		8.0	77.8	29.1	105 500*			11.0	78.9	47.2	72 000*
		8.5	76.7	29.0	98 600*			12.0	77.6	47.0	63 800
		9.0	75.6	28.9	92 300*			13.0	76.3	46.7	55 400
		10.0	73.4	28.6	81 500*			14.0	75.0	46.4	48 600
3 0 5	1 0 0	6.1	82.7	32.6	141 900*	4 8 8	1 6 0	15.0	73.7	46.2	42 900
		6.5	81.9	32.5	132 800*			16.0	72.4	45.8	38 100
		7.0	80.9	32.5	122 300*			8.5	82.5	50.7	83 000*
		7.5	80.0	32.4	113 400*			9.0	82.0	50.7	81 400*
		8.0	79.0	32.3	105 600*			10.0	80.8	50.5	77 900*
		8.5	78.1	32.1	98 600*			11.0	79.6	50.3	71 800*
		9.0	77.1	32.0	92 300*			12.0	78.4	50.1	63 700
		10.0	75.1	31.7	81 600*			13.0	77.2	49.9	55 300
		11.0	73.2	31.4	72 600			14.0	76.0	49.6	48 500
3 3 5	1 1 0	12.0	71.2	31.1	63 400			15.0	74.8	49.3	42 800
		6.7	82.3	35.6	128 000*	5 1 8	1 7 0	16.0	73.5	49.0	38 000
		7.0	81.8	35.5	122 400*			18.0	71.1	48.4	30 300
		7.5	80.9	35.5	113 300*			8.5	83.0	53.8	76 600*
		8.0	80.0	35.4	105 400*			9.0	82.5	53.7	75 400*
		8.5	79.2	35.3	98 400*			10.0	81.3	53.6	72 900*
		9.0	78.3	35.2	92 200*			11.0	80.2	53.4	70 300*
		10.0	76.5	34.9	81 400*			12.0	79.1	53.2	63 800
		11.0	74.8	34.6	72 500			13.0	78.0	53.0	55 300
		12.0	73.0	34.3	63 500			14.0	76.8	52.8	48 500
3 6 6	1 2 0	13.0	71.2	34.0	55 100			15.0	75.7	52.5	42 800
		6.7	82.9	38.7	125 000*			16.0	74.5	52.2	38 000
		7.0	82.5	38.6	120 800*			18.0	72.2	51.6	30 300
		7.5	81.7	38.6	113 500*						
		8.0	80.9	38.5	105 300*						
		8.5	80.1	38.4	98 300*						
		9.0	79.3	38.3	92 100*						
		10.0	77.7	38.0	81 300*						
		11.0	76.1	37.8	72 400						
		12.0	74.4	37.5	63 700						
		13.0	72.8	37.2	55 200						
		14.0	71.1	36.8	48 500						

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21.3m (70 FT.) LUFFING JIB, ATTACHED AT 140 DEGREE BOOM TO LUFFING JIB ANGLE

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
5	1	9.1	82.7	56.8	70 600*	5	1	9.8	82.5	59.8	53 500*
		10.0	81.8	56.7	68 600*			10.0	82.3	59.8	53 500*
		11.0	80.8	56.5	66 200*			11.0	81.3	59.6	53 500*
4	8	12.0	79.7	56.3	63 000	7	9	12.0	80.3	59.4	53 500*
		13.0	78.6	56.1	55 300			13.0	79.2	59.2	53 200
		14.0	77.6	55.9	48 400			14.0	78.2	59.0	48 700
9	0	15.0	76.5	55.6	42 700	9	0	15.0	77.2	58.8	42 900
		16.0	75.4	55.4	37 900			16.0	76.2	58.5	38 100
		18.0	73.2	54.8	30 200			18.0	74.2	58.0	30 300
								20.0	72.1	57.3	24 400

REFERENCE ONLY

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24.4m (80 FT.) LUFFING JIB, ATTACHED AT 150 DEGREE BOOM TO LUFFING JIB ANGLE

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
2 1 3	7 0	4.9	82.8	23.5	178 800*	3 3 5	1 1 0	6.7	82.3	35.6	128 000*
		5.0	82.5	23.5	174 400*			7.0	81.8	35.5	122 300*
		5.5	81.1	23.4	158 100*			7.5	80.9	35.5	113 100*
		6.0	79.7	23.3	144 300*			8.0	80.0	35.4	105 200*
		6.5	78.4	23.2	132 400*			8.5	79.2	35.3	98 200*
		7.0	77.0	23.1	122 100*			9.0	78.3	35.2	91 900*
		7.5	75.6	23.0	113 200*			10.0	76.5	34.9	81 000*
		8.0	74.2	22.8	105 300*			11.0	74.8	34.6	72 100
		8.5	72.8	22.6	98 200*			12.0	73.0	34.3	63 100
		9.0	71.3	22.5	91 900*			13.0	71.2	34.0	54 600
		10.0	68.4	22.1	81 000*			14.0	69.3	33.6	47 800
2 4 4	8 0	15.0	67.5	33.2	42 200	3 6 6	1 2 0	15.0	67.5	33.2	42 200
		16.0	65.6	32.7	37 400			16.0	65.6	32.7	37 400
		5.2	83.0	26.6	167 900*			6.7	82.9	38.7	125 700*
		5.5	82.2	26.5	158 000*			7.0	82.5	38.6	121 200*
		6.0	81.0	26.4	144 200*			7.5	81.7	38.6	113 300*
		6.5	79.8	26.3	132 400*			8.0	80.9	38.5	105 200*
		7.0	78.6	26.2	122 100*			8.5	80.1	38.4	98 100*
		7.5	77.4	26.1	113 100*			9.0	79.3	38.3	91 800*
		8.0	76.2	26.0	105 200*			10.0	77.7	38.0	81 000*
		8.5	75.0	25.8	98 200*			11.0	76.1	37.8	72 000
2 7 4	9 0	9.0	73.8	25.7	91 800*			12.0	74.4	37.5	63 300
		10.0	71.3	25.3	81 000*			13.0	72.8	37.2	54 800
		11.0	68.8	24.9	72 000			14.0	71.1	36.8	48 000
		12.0	66.2	24.5	62 100			15.0	69.5	36.5	42 300
		5.8	82.5	29.6	149 700*			16.0	67.8	36.1	37 500
		6.0	82.0	29.5	144 300*	3 9 6	1 3 0	7.3	82.6	41.7	110 500*
		6.5	81.0	29.4	132 400*			7.5	82.3	41.6	109 200*
		7.0	79.9	29.3	122 200*			8.0	81.6	41.6	105 400*
		7.5	78.9	29.2	113 200*			8.5	80.9	41.5	98 300*
		8.0	77.8	29.1	105 300*			9.0	80.1	41.4	91 800*
		8.5	76.7	29.0	98 200*			10.0	78.6	41.2	81 000*
		9.0	75.6	28.9	91 900*			11.0	77.2	40.9	72 100
		10.0	73.4	28.6	81 000*			12.0	75.7	40.7	63 500
		11.0	71.2	28.2	72 000			13.0	74.2	40.4	55 000
		12.0	69.0	27.8	62 500			14.0	72.6	40.1	48 200
3 0 5	1 0 0	13.0	66.7	27.4	54 100	4 2 7	1 4 0	15.0	71.1	39.7	42 500
		14.0	64.4	26.9	47 400			16.0	69.6	39.4	37 600
		6.1	82.7	32.6	141 900*			18.0	66.4	38.5	30 000
		6.5	81.9	32.5	132 700*			7.9	82.3	44.7	102 300*
		7.0	80.9	32.5	122 200*			8.0	82.2	44.6	101 700*
		7.5	80.0	32.4	113 300*			8.5	81.5	44.6	97 800*
		8.0	79.0	32.3	105 400*			9.0	80.8	44.5	92 100*
		8.5	78.1	32.1	98 300*			10.0	79.5	44.3	80 900*
		9.0	77.1	32.0	92 000*			11.0	78.1	44.1	72 000*
		10.0	75.1	31.7	81 200*			12.0	76.7	43.8	63 600
		11.0	73.2	31.4	72 200			13.0	75.3	43.6	55 000
		12.0	71.2	31.1	62 900			14.0	73.9	43.3	48 200
		13.0	69.2	30.7	54 500			15.0	72.5	43.0	42 500
		14.0	67.1	30.3	47 700			16.0	71.1	42.6	37 700
		15.0	65.1	29.8	42 100			18.0	68.2	41.8	30 000

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24.4m (80 FT.) LUFFING JIB, ATTACHED AT 150 DEGREE BOOM TO LUFFING JIB ANGLE

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	7.9	82.8	47.7	90 600*	5 4 9	1 8 0	9.1	82.7	56.8	71 800*
		8.0	82.7	47.7	90 300*			10.0	81.8	56.7	69 700*
		8.5	82.1	47.6	88 300*			11.0	80.8	56.5	67 200*
		9.0	81.4	47.6	86 300*			12.0	79.7	56.3	63 300
		10.0	80.2	47.4	81 100*			13.0	78.6	56.1	55 000
		11.0	78.9	47.2	71 700*			14.0	77.6	55.9	48 100
		12.0	77.6	47.0	63 500			15.0	76.5	55.6	42 400
		13.0	76.3	46.7	55 100			16.0	75.4	55.4	37 500
		14.0	75.0	46.4	48 200			18.0	73.2	54.8	29 800
		15.0	73.7	46.2	42 500			20.0	71.0	54.1	23 900
4 8 8	1 6 0	16.0	72.4	45.8	37 700	5 7 9	1 9 0	22.0	68.8	53.4	19 200
		18.0	69.7	45.1	29 900			24.0	66.5	52.5	15 400
		20.0	67.0	44.3	24 000			9.8	82.5	59.8	53 500*
		8.5	82.5	50.7	83 500*			10.0	82.3	59.8	53 500*
		9.0	82.0	50.7	81 800*			11.0	81.3	59.6	53 500*
		10.0	80.8	50.5	78 200*			12.0	80.3	59.4	53 500*
		11.0	79.6	50.3	71 500*			13.0	79.2	59.2	53 100
		12.0	78.4	50.1	63 400			14.0	78.2	59.0	48 400
		13.0	77.2	49.9	55 000			15.0	77.2	58.8	42 600
		14.0	76.0	49.6	48 200			16.0	76.2	58.5	37 700
5 1 8	1 7 0	15.0	74.8	49.3	42 500			18.0	74.2	58.0	30 000
		16.0	73.5	49.0	37 600			20.0	72.1	57.3	24 000
		18.0	71.1	48.4	29 900			22.0	70.0	56.6	19 300
		20.0	68.5	47.6	24 000			24.0	67.8	55.8	15 600
		22.0	66.0	46.7	19 300			26.0	65.7	54.9	12 400
		8.5	83.0	53.8	77 800*	5 1 8	1 7 0	9.0	82.5	53.7	76 500*
		9.0	82.5	53.7	76 500*			10.0	81.3	53.6	73 800*
		10.0	81.3	53.6	73 800*			11.0	80.2	53.4	71 100*
		11.0	80.2	53.4	71 100*			12.0	79.1	53.2	63 400
		12.0	79.1	53.2	63 400			13.0	78.0	53.0	55 100
		13.0	78.0	53.0	55 100			14.0	76.8	52.8	48 200
		14.0	76.8	52.8	48 200			15.0	75.7	52.5	42 400
		15.0	75.7	52.5	42 400			16.0	74.5	52.2	37 600
		16.0	74.5	52.2	37 600			18.0	72.2	51.6	29 900
		18.0	72.2	51.6	29 900			20.0	69.9	50.9	23 900
		20.0	69.9	50.9	23 900			22.0	67.5	50.1	19 300
		22.0	67.5	50.1	19 300			24.0	65.1	49.2	15 500
		24.0	65.1	49.2	15 500						

MANITOWOC ENGINEERING CO.

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



LIFT CRANE BOOM CAPACITIES WITH LUFFING JIB ATTACHED

BRITISH
STANDARDS

888 SERIES 2

BOOM NO. 22EL

LUFFING JIB NO. 135

81 240 kg CRANE COUNTERWEIGHT

19 960 kg CARBODY COUNTERWEIGHT

8 585 mm CRAWLERS EXTENDED

360 DEGREE RATING

27.4m (90 FT.) LUFFING JIB,
ATTACHED AT 150 DEGREE BOOM TO LUFFING JIB ANGLE

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
2 1 3	7 0	4.9	82.8	23.5	176 800*	3 3 5	1 1 0	6.7	82.3	35.6	122 400*
		5.0	82.5	23.5	172 500*			7.0	81.8	35.5	118 800*
		5.5	81.1	23.4	156 200*			7.5	80.9	35.5	112 100*
		6.0	79.7	23.3	142 500*			8.0	80.0	35.4	103 800*
		6.5	78.4	23.2	130 700*			8.5	79.2	35.3	96 800*
		7.0	77.0	23.1	120 500*			9.0	78.3	35.2	90 500*
		7.5	75.6	23.0	111 600*			10.0	76.5	34.9	79 800*
		8.0	74.2	22.8	103 700*			11.0	74.8	34.6	70 800
		8.5	72.8	22.6	96 700*			12.0	73.0	34.3	61 800
		9.0	71.3	22.5	90 400*			13.0	71.2	34.0	53 400
		10.0	68.4	22.1	79 600*			14.0	69.3	33.6	46 700
								15.0	67.5	33.2	41 000
								16.0	65.6	32.7	36 300
2 4 4	8 0	5.2	83.0	26.6	162 000*	3 6 6	1 2 0	6.7	82.9	38.7	118 200*
		5.5	82.2	26.5	156 200*			7.0	82.5	38.6	116 300*
		6.0	81.0	26.4	142 500*			7.5	81.7	38.6	111 900*
		6.5	79.8	26.3	130 700*			8.0	80.9	38.5	103 800*
		7.0	78.6	26.2	120 500*			8.5	80.1	38.4	96 800*
		7.5	77.4	26.1	111 600*			9.0	79.3	38.3	90 500*
		8.0	76.2	26.0	103 700*			10.0	77.7	38.0	79 700*
		8.5	75.0	25.8	96 700*			11.0	76.1	37.8	70 800
		9.0	73.8	25.7	90 400*			12.0	74.4	37.5	62 000
		10.0	71.3	25.3	79 600*			13.0	72.8	37.2	53 500
		11.0	68.8	24.9	70 700			14.0	71.1	36.8	46 800
		12.0	66.2	24.5	60 600			15.0	69.5	36.5	41 200
								16.0	67.8	36.1	36 400
2 7 4	9 0	5.8	82.5	29.6	143 500*	3 9 6	1 3 0	7.3	82.6	41.7	101 500*
		6.0	82.0	29.5	141 200*			7.5	82.3	41.6	100 600*
		6.5	81.0	29.4	132 100*			8.0	81.6	41.6	98 200*
		7.0	79.9	29.3	120 500*			8.5	80.9	41.5	95 800*
		7.5	78.9	29.2	111 600*			9.0	80.1	41.4	90 800*
		8.0	77.8	29.1	103 800*			10.0	78.6	41.2	79 800*
		8.5	76.7	29.0	96 700*			11.0	77.2	40.9	70 900
		9.0	75.6	28.9	90 500*			12.0	75.7	40.7	62 200
		10.0	73.4	28.6	79 700*			13.0	74.2	40.4	53 800
		11.0	71.2	28.2	70 800			14.0	72.6	40.1	47 000
		12.0	69.0	27.8	61 100			15.0	71.1	39.7	41 400
		13.0	66.7	27.4	52 800			16.0	69.6	39.4	36 600
		14.0	64.4	26.9	46 100			18.0	66.4	38.5	29 000
3 0 5	1 0 0	6.1	82.7	32.6	136 800*	4 2 7	1 4 0	7.9	82.3	44.7	93 300*
		6.5	81.9	32.5	130 000*			8.0	82.2	44.6	93 000*
		7.0	80.9	32.5	121 100*			8.5	81.5	44.6	90 800*
		7.5	80.0	32.4	111 800*			9.0	80.8	44.5	88 600*
		8.0	79.0	32.3	103 900*			10.0	79.5	44.3	79 800*
		8.5	78.1	32.1	96 900*			11.0	78.1	44.1	70 800
		9.0	77.1	32.0	90 600*			12.0	76.7	43.8	62 300
		10.0	75.1	31.7	79 900*			13.0	75.3	43.6	53 900
		11.0	73.2	31.4	70 900			14.0	73.9	43.3	47 100
		12.0	71.2	31.1	61 500			15.0	72.5	43.0	41 500
		13.0	69.2	30.7	53 200			16.0	71.1	42.6	36 600
		14.0	67.1	30.3	46 500			18.0	68.2	41.8	29 000
		15.0	65.1	29.8	40 900						

LIFT CRANE BOOM CAPACITIES WITH LUFFING JIB ATTACHED

BRITISH
STANDARDS

888 SERIES 2

BOOM NO. 22EL

LUFFING JIB NO. 135

81 240 kg CRANE COUNTERWEIGHT

19 960 kg CARBODY COUNTERWEIGHT

8 585 mm CRAWLERS EXTENDED

360 DEGREE RATING

27.4m (90 FT.) LUFFING JIB, ATTACHED AT 150 DEGREE BOOM TO LUFFING JIB ANGLE

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	7.9	82.8	47.7	81 600*	5 4 9	1 8 0	9.1	82.7	56.8	60 500*
		8.0	82.7	47.7	81 300*			10.0	81.8	56.7	60 500*
		8.5	82.1	47.6	79 600*			11.0	80.8	56.5	60 500*
		9.0	81.4	47.6	77 900*			12.0	79.7	56.3	59 200*
		10.0	80.2	47.4	74 700*			13.0	78.6	56.1	54 100
		11.0	78.9	47.2	70 600*			14.0	77.6	55.9	47 100
		12.0	77.6	47.0	62 300			15.0	76.5	55.6	41 400
		13.0	76.3	46.7	53 900			16.0	75.4	55.4	36 500
		14.0	75.0	46.4	47 100			18.0	73.2	54.8	28 900
		15.0	73.7	46.2	41 400			20.0	71.0	54.1	23 000
4 8 8	1 6 0	16.0	72.4	45.8	36 600	5 7 9	1 9 0	22.0	68.8	53.4	18 400
		18.0	69.7	45.1	29 000			24.0	66.5	52.5	14 600
		20.0	67.0	44.3	23 200			9.8	82.5	59.8	51 800*
		8.5	82.5	50.7	72 600*			10.0	82.3	59.8	51 800*
		9.0	82.0	50.7	72 600*			11.0	81.3	59.6	51 800*
		10.0	80.8	50.5	70 700*			12.0	80.3	59.4	51 800*
		11.0	79.6	50.3	67 600*			13.0	79.2	59.2	50 500*
		12.0	78.4	50.1	62 600			14.0	78.2	59.0	47 300
		13.0	77.2	49.9	53 900			15.0	77.2	58.8	41 600
		14.0	76.0	49.6	47 100			16.0	76.2	58.5	36 800
5 1 8	1 7 0	15.0	74.8	49.3	41 400			18.0	74.2	58.0	29 100
		16.0	73.5	49.0	36 600			20.0	72.1	57.3	23 200
		18.0	71.1	48.4	28 900			22.0	70.0	56.6	18 600
		20.0	68.5	47.6	23 100			24.0	67.8	55.8	14 800
		22.0	66.0	46.7	18 500			26.0	65.7	54.9	11 700
		8.5	83.0	53.8	70 100*						
		9.0	82.5	53.7	70 100*						
		10.0	81.3	53.6	68 000*						
		11.0	80.2	53.4	65 500*						
		12.0	79.1	53.2	61 800						
		13.0	78.0	53.0	53 900						
		14.0	76.8	52.8	47 100						
		15.0	75.7	52.5	41 400						
		16.0	74.5	52.2	36 600						
		18.0	72.2	51.6	29 000						
		20.0	69.9	50.9	23 100						
		22.0	67.5	50.1	18 500						
		24.0	65.1	49.2	14 700						

MANITOWOC ENGINEERING CO.

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



LIFT CRANE BOOM CAPACITIES WITH LUFFING JIB ATTACHED

BRITISH
STANDARDS

888 SERIES 2

BOOM NO. 22EL

LUFFING JIB NO. 135

81 240 kg CRANE COUNTERWEIGHT

19 960 kg CARBODY COUNTERWEIGHT

8 585 mm CRAWLERS EXTENDED

360 DEGREE RATING

30.5m (100 FT.) LUFFING JIB,
ATTACHED AT 160 DEGREE BOOM TO LUFFING JIB ANGLE

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
2 1 3	7 0	4.9	82.8	23.5	178 200*	3 3 5	1 1 0	6.7	82.3	35.6	127 400*
		5.0	82.5	23.5	173 800*			7.0	81.8	35.5	121 700*
		5.5	81.1	23.4	157 300*			7.5	80.9	35.5	112 400*
		6.0	79.7	23.3	143 400*			8.0	80.0	35.4	104 400*
		6.5	78.4	23.2	131 400*			8.5	79.2	35.3	97 300*
		7.0	77.0	23.1	121 100*			9.0	78.3	35.2	91 000*
		7.5	75.6	23.0	112 000*			10.0	76.5	34.9	80 100*
		8.0	74.2	22.8	104 000*			11.0	74.8	34.6	71 000
		8.5	72.8	22.6	96 900*			12.0	73.0	34.3	62 000
		9.0	71.3	22.5	90 500*			13.0	71.2	34.0	53 500
		10.0	68.4	22.1	79 500*			14.0	69.3	33.6	46 600
		11.0	65.5	21.6	70 200			15.0	67.5	33.2	40 900
		12.0	62.5	21.1	59 800			16.0	65.6	32.7	36 100
		13.0	59.3	20.5	51 500			18.0	61.7	31.7	28 400
2 4 4	8 0	5.2	83.0	26.6	167 500*	3 6 6	1 2 0	6.7	82.9	38.7	126 300*
		5.5	82.2	26.5	157 300*			7.0	82.5	38.6	121 100*
		6.0	81.0	26.4	143 500*			7.5	81.7	38.6	112 500*
		6.5	79.8	26.3	131 500*			8.0	80.9	38.5	104 400*
		7.0	78.6	26.2	121 200*			8.5	80.1	38.4	97 300*
		7.5	77.4	26.1	112 100*			9.0	79.3	38.3	91 000*
		8.0	76.2	26.0	104 100*			10.0	77.7	38.0	80 100*
		8.5	75.0	25.8	97 000*			11.0	76.1	37.8	71 100
		9.0	73.8	25.7	90 600*			12.0	74.4	37.5	62 200
		10.0	71.3	25.3	79 700*			13.0	72.8	37.2	53 700
		11.0	68.8	24.9	70 600			14.0	71.1	36.8	46 800
		12.0	66.2	24.5	60 500			15.0	69.5	36.5	41 100
		13.0	63.5	24.0	52 200			16.0	67.8	36.1	36 300
		14.0	60.9	23.4	45 400			18.0	64.3	35.1	28 600
		15.0	58.1	22.8	39 700			20.0	60.7	34.0	22 700
2 7 4	9 0	5.8	82.5	29.6	149 100*	3 9 6	1 3 0	7.3	82.6	41.7	111 000*
		6.0	82.0	29.5	143 700*			7.5	82.3	41.6	109 400*
		6.5	81.0	29.4	131 700*			8.0	81.6	41.6	104 700*
		7.0	79.9	29.3	121 300*			8.5	80.9	41.5	97 500*
		7.5	78.9	29.2	112 300*			9.0	80.1	41.4	91 000*
		8.0	77.8	29.1	104 300*			10.0	78.6	41.2	80 100*
		8.5	76.7	29.0	97 200*			11.0	77.2	40.9	71 200
		9.0	75.6	28.9	90 800*			12.0	75.7	40.7	62 500
		10.0	73.4	28.6	79 900*			13.0	74.2	40.4	54 000
		11.0	71.2	28.2	70 800			14.0	72.6	40.1	47 100
		12.0	69.0	27.8	61 100			15.0	71.1	39.7	41 400
		13.0	66.7	27.4	52 700			16.0	69.6	39.4	36 500
		14.0	64.4	26.9	45 900			18.0	66.4	38.5	28 800
		15.0	62.0	26.4	40 200			20.0	63.2	37.5	22 900
		16.0	59.6	25.8	35 400			22.0	59.9	36.4	18 200
3 0 5	1 0 0	6.1	82.7	32.6	141 300*	4 2 7	1 4 0	7.9	82.3	44.7	102 200*
		6.5	81.9	32.5	132 100*			8.0	82.2	44.6	101 500*
		7.0	80.9	32.5	121 500*			8.5	81.5	44.6	97 200*
		7.5	80.0	32.4	112 400*			9.0	80.8	44.5	91 300*
		8.0	79.0	32.3	104 500*			10.0	79.5	44.3	80 100*
		8.5	78.1	32.1	97 400*			11.0	78.1	44.1	71 100*
		9.0	77.1	32.0	91 000*			12.0	76.7	43.8	62 700
		10.0	75.1	31.7	80 100*			13.0	75.3	43.6	54 100
		11.0	73.2	31.4	71 100			14.0	73.9	43.3	47 200
		12.0	71.2	31.1	61 600			15.0	72.5	43.0	41 500
		13.0	69.2	30.7	53 200			16.0	71.1	42.6	36 600
		14.0	67.1	30.3	46 400			18.0	68.2	41.8	28 900
		15.0	65.1	29.8	40 700			20.0	65.3	40.9	23 000
		16.0	62.9	29.3	35 900			22.0	62.2	39.9	18 300
		18.0	58.6	28.1	28 200			24.0	59.1	38.7	14 500

LIFT CRANE BOOM CAPACITIES WITH LUFFING JIB ATTACHED

BRITISH
STANDARDS

888 SERIES 2

BOOM NO. 22EL

LUFFING JIB NO. 135

81 240 kg CRANE COUNTERWEIGHT

19 960 kg CARBODY COUNTERWEIGHT

8 585 mm CRAWLERS EXTENDED

360 DEGREE RATING

**30.5m (100 FT.) LUFFING JIB,
ATTACHED AT 160 DEGREE BOOM TO LUFFING JIB ANGLE**

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	7.9	82.8	47.7	90 100*	5 4 9	1 8 0	9.1	82.7	56.8	72 900*
		8.0	82.7	47.7	89 800*			10.0	81.8	56.7	70 700*
		8.5	82.1	47.6	87 700*			11.0	80.8	56.5	68 000*
		9.0	81.4	47.6	85 700*			12.0	79.7	56.3	62 800
		10.0	80.2	47.4	80 400*			13.0	78.6	56.1	54 200
		11.0	78.9	47.2	70 900*			14.0	77.6	55.9	47 300
		12.0	77.6	47.0	62 700			15.0	76.5	55.6	41 600
		13.0	76.3	46.7	54 100			16.0	75.4	55.4	36 700
		14.0	75.0	46.4	47 300			18.0	73.2	54.8	28 900
		15.0	73.7	46.2	41 500			20.0	71.0	54.1	22 900
		16.0	72.4	45.8	36 700			22.0	68.8	53.4	18 200
		18.0	69.7	45.1	28 900			24.0	66.5	52.5	14 400
4 8 8	1 6 0	20.0	67.0	44.3	23 000	5 7 9	1 9 0	26.0	64.2	51.6	11 200
		22.0	64.3	43.3	18 300			28.0	61.9	50.5	8 600
		24.0	61.4	42.3	14 500			30.0	59.5	49.4	6 400
		8.5	82.5	50.7	83 100*			9.8	82.5	59.8	53 500*
		9.0	82.0	50.7	81 400*			10.0	82.3	59.8	53 500*
		10.0	80.8	50.5	77 600*			11.0	81.3	59.6	53 500*
		11.0	79.6	50.3	70 800*			12.0	80.3	59.4	53 500*
		12.0	78.4	50.1	62 600			13.0	79.2	59.2	52 800
		13.0	77.2	49.9	54 200			14.0	78.2	59.0	47 700
		14.0	76.0	49.6	47 300			15.0	77.2	58.8	41 800
		15.0	74.8	49.3	41 500			16.0	76.2	58.5	36 900
		16.0	73.5	49.0	36 700			18.0	74.2	58.0	29 100
5 1 8	1 7 0	18.0	71.1	48.4	28 900			20.0	72.1	57.3	23 100
		20.0	68.5	47.6	22 900			22.0	70.0	56.6	18 400
		22.0	66.0	46.7	18 300			24.0	67.8	55.8	14 600
		24.0	63.4	45.7	14 500			26.0	65.7	54.9	11 400
		26.0	60.7	44.6	11 300			28.0	63.5	54.0	8 800
		8.5	83.0	53.8	78 800*			30.0	61.2	52.9	6 500
		9.0	82.5	53.7	77 500*			32.0	58.9	51.7	4 600
		10.0	81.3	53.6	74 600*						
		11.0	80.2	53.4	70 700*						
		12.0	79.1	53.2	62 600						
		13.0	78.0	53.0	54 300						
		14.0	76.8	52.8	47 300						
		15.0	75.7	52.5	41 600						
		16.0	74.5	52.2	36 700						
		18.0	72.2	51.6	28 900						
		20.0	69.9	50.9	23 000						
		22.0	67.5	50.1	18 300						
		24.0	65.1	49.2	14 500						
		26.0	62.6	48.1	11 300						
		28.0	60.0	47.0	8 700						

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BRITISH
STANDARDS

888 SERIES 2

BOOM NO. 22EL

LUFFING JIB NO. 135

81 240 kg CRANE COUNTERWEIGHT

19 960 kg CARBODY COUNTERWEIGHT

8 585 mm CRAWLERS EXTENDED

360 DEGREE RATING

33.5m (110 FT.) LUFFING JIB,
ATTACHED AT 160 DEGREE BOOM TO LUFFING JIB ANGLE

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
2 1 3	7 0	4.9	82.8	23.5	176 900*	3 3 5	1 1 0	6.7	82.3	35.6	126 300*
		5.0	82.5	23.5	172 600*			7.0	81.8	35.5	120 700*
		5.5	81.1	23.4	156 100*			7.5	80.9	35.5	111 500*
		6.0	79.7	23.3	142 200*			8.0	80.0	35.4	103 500*
		6.5	78.4	23.2	130 300*			8.5	79.2	35.3	96 400*
		7.0	77.0	23.1	120 000*			9.0	78.3	35.2	90 100*
		7.5	75.6	23.0	110 900*			10.0	76.5	34.9	79 200*
		8.0	74.2	22.8	102 900*			11.0	74.8	34.6	70 200
		8.5	72.8	22.6	95 800*			12.0	73.0	34.3	61 100
		9.0	71.3	22.5	89 500*			13.0	71.2	34.0	52 600
		10.0	68.4	22.1	78 500*			14.0	69.3	33.6	45 800
		11.0	65.5	21.6	69 000			15.0	67.5	33.2	40 200
		12.0	62.5	21.1	58 700			16.0	65.6	32.7	35 400
		13.0	59.3	20.5	50 500			18.0	61.7	31.7	27 700
2 4 4	8 0	5.2	83.0	26.6	166 200*	3 6 6	1 2 0	6.7	82.9	38.7	125 500*
		5.5	82.2	26.5	156 100*			7.0	82.5	38.6	120 300*
		6.0	81.0	26.4	142 300*			7.5	81.7	38.6	111 500*
		6.5	79.8	26.3	130 400*			8.0	80.9	38.5	103 500*
		7.0	78.6	26.2	120 100*			8.5	80.1	38.4	96 500*
		7.5	77.4	26.1	111 100*			9.0	79.3	38.3	90 100*
		8.0	76.2	26.0	103 100*			10.0	77.7	38.0	79 300*
		8.5	75.0	25.8	96 000*			11.0	76.1	37.8	70 300
		9.0	73.8	25.7	89 600*			12.0	74.4	37.5	61 300
		10.0	71.3	25.3	78 700*			13.0	72.8	37.2	52 900
		11.0	68.8	24.9	69 700			14.0	71.1	36.8	46 100
		12.0	66.2	24.5	59 400			15.0	69.5	36.5	40 400
		13.0	63.5	24.0	51 200			16.0	67.8	36.1	35 600
		14.0	60.9	23.4	44 400			18.0	64.3	35.1	27 900
		15.0	58.1	22.8	38 900			20.0	60.7	34.0	22 100
2 7 4	9 0	5.8	82.5	29.6	148 000*	3 9 6	1 3 0	7.3	82.6	41.7	110 500*
		6.0	82.0	29.5	142 500*			7.5	82.3	41.6	108 700*
		6.5	81.0	29.4	130 500*			8.0	81.6	41.6	103 800*
		7.0	79.9	29.3	120 300*			8.5	80.9	41.5	96 600*
		7.5	78.9	29.2	111 300*			9.0	80.1	41.4	90 200*
		8.0	77.8	29.1	103 300*			10.0	78.6	41.2	79 400*
		8.5	76.7	29.0	96 200*			11.0	77.2	40.9	70 400
		9.0	75.6	28.9	89 900*			12.0	75.7	40.7	61 700
		10.0	73.4	28.6	79 000*			13.0	74.2	40.4	53 200
		11.0	71.2	28.2	69 900			14.0	72.6	40.1	46 300
		12.0	69.0	27.8	60 100			15.0	71.1	39.7	40 700
		13.0	66.7	27.4	51 800			16.0	69.6	39.4	35 900
		14.0	64.4	26.9	45 000			18.0	66.4	38.5	28 200
		15.0	62.0	26.4	39 400			20.0	63.2	37.5	22 300
		16.0	59.6	25.8	34 600			22.0	59.9	36.4	17 700
3 0 5	1 0 0	6.1	82.7	32.6	140 200*	4 2 7	1 4 0	7.9	82.3	44.7	102 300*
		6.5	81.9	32.5	131 000*			8.0	82.2	44.6	101 500*
		7.0	80.9	32.5	120 400*			8.5	81.5	44.6	96 400*
		7.5	80.0	32.4	111 500*			9.0	80.8	44.5	90 400*
		8.0	79.0	32.3	103 500*			10.0	79.5	44.3	79 300*
		8.5	78.1	32.1	96 500*			11.0	78.1	44.1	70 300
		9.0	77.1	32.0	90 100*			12.0	76.7	43.8	61 900
		10.0	75.1	31.7	79 200*			13.0	75.3	43.6	53 300
		11.0	73.2	31.4	70 200			14.0	73.9	43.3	46 500
		12.0	71.2	31.1	60 700			15.0	72.5	43.0	40 800
		13.0	69.2	30.7	52 300			16.0	71.1	42.6	36 000
		14.0	67.1	30.3	45 500			18.0	68.2	41.8	28 300
		15.0	65.1	29.8	39 900			20.0	65.3	40.9	22 400
		16.0	62.9	29.3	35 100			22.0	62.2	39.9	17 800
		18.0	58.6	28.1	27 500			24.0	59.1	38.7	14 100

MANITOWOC ENGINEERING CO.

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



LIFT CRANE BOOM CAPACITIES WITH LUFFING JIB ATTACHED

BRITISH
STANDARDS

888 SERIES 2

BOOM NO. 22EL

LUFFING JIB NO. 135

81 240 kg CRANE COUNTERWEIGHT

19 960 kg CARBODY COUNTERWEIGHT

8 585 mm CRAWLERS EXTENDED

360 DEGREE RATING

33.5m (110 FT.) LUFFING JIB,
ATTACHED AT 160 DEGREE BOOM TO LUFFING JIB ANGLE

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	7.9	82.8	47.7	91 500*	5 4 9	1 8 0	9.1	82.7	56.8	72 200*
		8.0	82.7	47.7	91 200*			10.0	81.8	56.7	69 900*
		8.5	82.1	47.6	89 300*			11.0	80.8	56.5	67 300*
		9.0	81.4	47.6	87 300*			12.0	79.7	56.3	62 100
		10.0	80.2	47.4	79 300*			13.0	78.6	56.1	53 500
		11.0	78.9	47.2	70 200*			14.0	77.6	55.9	46 700
		12.0	77.6	47.0	61 900			15.0	76.5	55.6	40 900
		13.0	76.3	46.7	53 400			16.0	75.4	55.4	36 100
		14.0	75.0	46.4	46 600			18.0	73.2	54.8	28 300
		15.0	73.7	46.2	40 900			20.0	71.0	54.1	22 400
		16.0	72.4	45.8	36 000			22.0	68.8	53.4	17 700
		18.0	69.7	45.1	28 300			24.0	66.5	52.5	14 000
4 8 8	1 6 0	20.0	67.0	44.3	22 400	5 7 9	1 9 0	26.0	64.2	51.6	10 800
		22.0	64.3	43.3	17 700			28.0	61.9	50.5	8 200
		24.0	61.4	42.3	14 000			30.0	59.5	49.4	6 000
		8.5	82.5	50.7	85 100*			9.8	82.5	59.8	53 500*
		9.0	82.0	50.7	83 400*			10.0	82.3	59.8	53 500*
		10.0	80.8	50.5	79 000*			11.0	81.3	59.6	53 500*
		11.0	79.6	50.3	70 000*			12.0	80.3	59.4	53 500*
		12.0	78.4	50.1	61 900			13.0	79.2	59.2	52 600
		13.0	77.2	49.9	53 400			14.0	78.2	59.0	47 000
		14.0	76.0	49.6	46 600			15.0	77.2	58.8	41 200
		15.0	74.8	49.3	40 900			16.0	76.2	58.5	36 300
		16.0	73.5	49.0	36 000			18.0	74.2	58.0	28 600
5 1 8	1 7 0	18.0	71.1	48.4	28 300			20.0	72.1	57.3	22 600
		20.0	68.5	47.6	22 400			22.0	70.0	56.6	17 900
		22.0	66.0	46.7	17 700			24.0	67.8	55.8	14 200
		24.0	63.4	45.7	14 000			26.0	65.7	54.9	11 000
		26.0	60.7	44.6	10 900			28.0	63.5	54.0	8 400
		8.5	83.0	53.8	78 100*			30.0	61.2	52.9	6 100
		9.0	82.5	53.7	76 700*			32.0	58.9	51.7	4 200
		10.0	81.3	53.6	73 900*						
		11.0	80.2	53.4	70 000*						
		12.0	79.1	53.2	61 900						
		13.0	78.0	53.0	53 500						
		14.0	76.8	52.8	46 700						
		15.0	75.7	52.5	41 000						
		16.0	74.5	52.2	36 100						
		18.0	72.2	51.6	28 400						
		20.0	69.9	50.9	22 400						
		22.0	67.5	50.1	17 800						
		24.0	65.1	49.2	14 000						
		26.0	62.6	48.1	10 900						
		28.0	60.0	47.0	8 300						

MANITOWOC ENGINEERING CO.

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



LIFT CRANE BOOM CAPACITIES WITH LUFFING JIB ATTACHED

BRITISH
STANDARDS

888 SERIES 2

BOOM NO. 22EL

LUFFING JIB NO. 135

81 240 kg CRANE COUNTERWEIGHT

19 960 kg CARBODY COUNTERWEIGHT

8 585 mm CRAWLERS EXTENDED

360 DEGREE RATING

36.6m (120 FT.) LUFFING JIB,
ATTACHED AT 160 DEGREE BOOM TO LUFFING JIB ANGLE

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
2 1 3	7 0	4.9	82.8	23.5	174 900*	3 3 5	1 1 0	6.7	82.3	35.6	124 700*
		5.0	82.5	23.5	170 600*			7.0	81.8	35.5	119 100*
		5.5	81.1	23.4	154 100*			7.5	80.9	35.5	109 900*
		6.0	79.7	23.3	140 300*			8.0	80.0	35.4	102 000*
		6.5	78.4	23.2	128 500*			8.5	79.2	35.3	94 900*
		7.0	77.0	23.1	118 200*			9.0	78.3	35.2	88 600*
		7.5	75.6	23.0	109 200*			10.0	76.5	34.9	77 800*
		8.0	74.2	22.8	101 200*			11.0	74.8	34.6	68 800
		8.5	72.8	22.6	94 100*			12.0	73.0	34.3	59 500
		9.0	71.3	22.5	87 800*			13.0	71.2	34.0	51 200
		10.0	68.4	22.1	76 900*			14.0	69.3	33.6	44 400
		11.0	65.5	21.6	67 100			15.0	67.5	33.2	38 900
		12.0	62.5	21.1	56 900			16.0	65.6	32.7	34 100
		13.0	59.3	20.5	48 800			18.0	61.7	31.7	26 500
2 4 4	8 0	5.2	83.0	26.6	164 300*	3 6 6	1 2 0	6.7	82.9	38.7	124 200*
		5.5	82.2	26.5	154 300*			7.0	82.5	38.6	118 800*
		6.0	81.0	26.4	140 500*			7.5	81.7	38.6	110 000*
		6.5	79.8	26.3	128 600*			8.0	80.9	38.5	102 100*
		7.0	78.6	26.2	118 400*			8.5	80.1	38.4	95 000*
		7.5	77.4	26.1	109 400*			9.0	79.3	38.3	88 700*
		8.0	76.2	26.0	101 500*			10.0	77.7	38.0	77 900*
		8.5	75.0	25.8	94 400*			11.0	76.1	37.8	68 900
		9.0	73.8	25.7	88 000*			12.0	74.4	37.5	59 900
		10.0	71.3	25.3	77 200*			13.0	72.8	37.2	51 500
		11.0	68.8	24.9	68 000			14.0	71.1	36.8	44 800
		12.0	66.2	24.5	57 700			15.0	69.5	36.5	39 100
		13.0	63.5	24.0	49 600			16.0	67.8	36.1	34 300
		14.0	60.9	23.4	42 900			18.0	64.3	35.1	26 700
		15.0	58.1	22.8	37 400			20.0	60.7	34.0	21 000
2 7 4	9 0	5.8	82.5	29.6	146 100*	3 9 6	1 3 0	7.3	82.6	41.7	108 900*
		6.0	82.0	29.5	140 700*			7.5	82.3	41.6	107 200*
		6.5	81.0	29.4	128 800*			8.0	81.6	41.6	102 400*
		7.0	79.9	29.3	118 600*			8.5	80.9	41.5	95 200*
		7.5	78.9	29.2	109 600*			9.0	80.1	41.4	88 800*
		8.0	77.8	29.1	101 700*			10.0	78.6	41.2	78 000*
		8.5	76.7	29.0	94 700*			11.0	77.2	40.9	69 100
		9.0	75.6	28.9	88 300*			12.0	75.7	40.7	60 200
		10.0	73.4	28.6	77 500*			13.0	74.2	40.4	51 800
		11.0	71.2	28.2	68 500			14.0	72.6	40.1	45 000
		12.0	69.0	27.8	58 500			15.0	71.1	39.7	39 400
		13.0	66.7	27.4	50 300			16.0	69.6	39.4	34 600
		14.0	64.4	26.9	43 500			18.0	66.4	38.5	27 000
		15.0	62.0	26.4	38 000			20.0	63.2	37.5	21 200
		16.0	59.6	25.8	33 200			22.0	59.9	36.4	16 600
3 0 5	1 0 0	6.1	82.7	32.6	138 500*	4 2 7	1 4 0	7.9	82.3	44.7	100 700*
		6.5	81.9	32.5	129 400*			8.0	82.2	44.6	99 900*
		7.0	80.9	32.5	118 800*			8.5	81.5	44.6	95 000*
		7.5	80.0	32.4	109 900*			9.0	80.8	44.5	89 000*
		8.0	79.0	32.3	102 000*			10.0	79.5	44.3	78 000*
		8.5	78.1	32.1	94 900*			11.0	78.1	44.1	69 100
		9.0	77.1	32.0	88 600*			12.0	76.7	43.8	60 500
		10.0	75.1	31.7	77 800*			13.0	75.3	43.6	52 000
		11.0	73.2	31.4	68 800			14.0	73.9	43.3	45 200
		12.0	71.2	31.1	59 100			15.0	72.5	43.0	39 600
		13.0	69.2	30.7	50 800			16.0	71.1	42.6	34 800
		14.0	67.1	30.3	44 100			18.0	68.2	41.8	27 200
		15.0	65.1	29.8	38 500			20.0	65.3	40.9	21 400
		16.0	62.9	29.3	33 800			22.0	62.2	39.9	16 800
		18.0	58.6	28.1	26 200			24.0	59.1	38.7	13 000

MANITOWOC ENGINEERING CO.

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



LIFT CRANE BOOM CAPACITIES WITH LUFFING JIB ATTACHED

BRITISH
STANDARDS

888 SERIES 2

BOOM NO. 22EL

LUFFING JIB NO. 135

81 240 kg CRANE COUNTERWEIGHT

19 960 kg CARBODY COUNTERWEIGHT

8 585 mm CRAWLERS EXTENDED

360 DEGREE RATING

36.6m (120 FT.) LUFFING JIB,
ATTACHED AT 160 DEGREE BOOM TO LUFFING JIB ANGLE

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	7.9	82.8	47.7	90 000*	5 4 9	1 8 0	9.1	82.7	56.8	70 500*
		8.0	82.7	47.7	89 700*			10.0	81.8	56.7	68 100*
		8.5	82.1	47.6	87 700*			11.0	80.8	56.5	65 300*
		9.0	81.4	47.6	85 800*			12.0	79.7	56.3	60 700
		10.0	80.2	47.4	78 000*			13.0	78.6	56.1	52 300
		11.0	78.9	47.2	68 900*			14.0	77.6	55.9	45 500
		12.0	77.6	47.0	60 600			15.0	76.5	55.6	39 800
		13.0	76.3	46.7	52 100			16.0	75.4	55.4	34 900
		14.0	75.0	46.4	45 300			18.0	73.2	54.8	27 300
		15.0	73.7	46.2	39 600			20.0	71.0	54.1	21 400
		16.0	72.4	45.8	34 800			22.0	68.8	53.4	16 700
		18.0	69.7	45.1	27 200			24.0	66.5	52.5	13 000
4 8 8	1 6 0	20.0	67.0	44.3	21 400	5 7 9	1 9 0	26.0	64.2	51.6	9 900
		22.0	64.3	43.3	16 800			28.0	61.9	50.5	7 300
		24.0	61.4	42.3	13 000			30.0	59.5	49.4	5 100
		8.5	82.5	50.7	83 500*			9.8	82.5	59.8	53 500*
		9.0	82.0	50.7	81 800*			10.0	82.3	59.8	53 500*
		10.0	80.8	50.5	77 500*			11.0	81.3	59.6	53 500*
		11.0	79.6	50.3	68 800*			12.0	80.3	59.4	53 500*
		12.0	78.4	50.1	60 600			13.0	79.2	59.2	52 200
		13.0	77.2	49.9	52 200			14.0	78.2	59.0	45 800
		14.0	76.0	49.6	45 300			15.0	77.2	58.8	40 000
		15.0	74.8	49.3	39 700			16.0	76.2	58.5	35 200
		16.0	73.5	49.0	34 900			18.0	74.2	58.0	27 500
5 1 8	1 7 0	18.0	71.1	48.4	27 200			20.0	72.1	57.3	21 600
		20.0	68.5	47.6	21 400			22.0	70.0	56.6	17 000
		22.0	66.0	46.7	16 800			24.0	67.8	55.8	13 200
		24.0	63.4	45.7	13 000			26.0	65.7	54.9	10 100
		26.0	60.7	44.6	9 900			28.0	63.5	54.0	7 500
		8.5	83.0	53.8	76 600*			30.0	61.2	52.9	5 300
		9.0	82.5	53.7	75 200*			32.0	58.9	51.7	3 400
		10.0	81.3	53.6	72 400*						
		11.0	80.2	53.4	68 800*						
		12.0	79.1	53.2	60 600						
		13.0	78.0	53.0	52 300						
		14.0	76.8	52.8	45 500						
		15.0	75.7	52.5	39 800						
		16.0	74.5	52.2	34 900						
		18.0	72.2	51.6	27 300						
		20.0	69.9	50.9	21 500						
		22.0	67.5	50.1	16 800						
		24.0	65.1	49.2	13 100						
		26.0	62.6	48.1	10 000						
		28.0	60.0	47.0	7 400						

MANITOWOC ENGINEERING CO.

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LIFT CRANE BOOM CAPACITIES WITH LUFFING JIB ATTACHED

BRITISH
STANDARDS

888 SERIES 2

BOOM NO. 22EL

LUFFING JIB NO. 135

81 240 kg CRANE COUNTERWEIGHT

19 960 kg CARBODY COUNTERWEIGHT

8 585 mm CRAWLERS EXTENDED

360 DEGREE RATING

39.6m (130 FT.) LUFFING JIB,
ATTACHED AT 168 DEGREE BOOM TO LUFFING JIB ANGLE

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
2 1 · 3	7 0	4.9	82.8	23.5	177 600*	3 0 · 5	1 0 0	6.1	82.7	32.6	140 600*
		5.0	82.5	23.5	173 200*			6.5	81.9	32.5	131 300*
		5.5	81.1	23.4	156 400*			7.0	80.9	32.5	120 600*
		6.0	79.7	23.3	142 300*			7.5	80.0	32.4	111 500*
		6.5	78.4	23.2	130 200*			8.0	79.0	32.3	103 400*
		7.0	77.0	23.1	119 600*			8.5	78.1	32.1	96 200*
		7.5	75.6	23.0	110 500*			9.0	77.1	32.0	89 800*
		8.0	74.2	22.8	102 300*			10.0	75.1	31.7	78 700*
		8.5	72.8	22.6	95 100*			11.0	73.2	31.4	69 500
		9.0	71.3	22.5	88 600*			12.0	71.2	31.1	59 900
		10.0	68.4	22.1	77 500*			13.0	69.2	30.7	51 400
		11.0	65.5	21.6	67 700			14.0	67.1	30.3	44 600
		12.0	62.5	21.1	57 300			15.0	65.1	29.8	38 800
		13.0	59.3	20.5	49 000			16.0	62.9	29.3	34 000
		14.0	56.1	19.8	42 100			18.0	58.6	28.1	26 200
2 4 · 4	8 0	5.2	83.0	26.6	166 800*	3 3 · 5	1 1 0	6.7	82.3	35.6	126 600*
		5.5	82.2	26.5	156 600*			7.0	81.8	35.5	120 900*
		6.0	81.0	26.4	142 500*			7.5	80.9	35.5	111 500*
		6.5	79.8	26.3	130 400*			8.0	80.0	35.4	103 400*
		7.0	78.6	26.2	120 000*			8.5	79.2	35.3	96 300*
		7.5	77.4	26.1	110 800*			9.0	78.3	35.2	89 800*
		8.0	76.2	26.0	102 700*			10.0	76.5	34.9	78 800*
		8.5	75.0	25.8	95 500*			11.0	74.8	34.6	69 600
		9.0	73.8	25.7	89 000*			12.0	73.0	34.3	60 400
		10.0	71.3	25.3	77 900*			13.0	71.2	34.0	51 900
		11.0	68.8	24.9	68 700			14.0	69.3	33.6	45 000
		12.0	66.2	24.5	58 300			15.0	67.5	33.2	39 300
		13.0	63.5	24.0	50 000			16.0	65.6	32.7	34 400
		14.0	60.9	23.4	43 100			18.0	61.7	31.7	26 600
		15.0	58.1	22.8	37 400			20.0	57.7	30.4	20 700
		16.0	55.2	22.1	32 600			22.0	53.5	29.0	16 000
2 7 · 4	9 0	5.8	82.5	29.6	148 400*	3 6 · 6	1 2 0	6.7	82.9	38.7	126 700*
		6.0	82.0	29.5	142 900*			7.0	82.5	38.6	121 000*
		6.5	81.0	29.4	130 700*			7.5	81.7	38.6	111 600*
		7.0	79.9	29.3	120 300*			8.0	80.9	38.5	103 500*
		7.5	78.9	29.2	111 100*			8.5	80.1	38.4	96 400*
		8.0	77.8	29.1	103 000*			9.0	79.3	38.3	89 900*
		8.5	76.7	29.0	95 800*			10.0	77.7	38.0	78 900*
		9.0	75.6	28.9	89 400*			11.0	76.1	37.8	69 800
		10.0	73.4	28.6	78 300*			12.0	74.4	37.5	60 800
		11.0	71.2	28.2	69 100			13.0	72.8	37.2	52 200
		12.0	69.0	27.8	59 200			14.0	71.1	36.8	45 300
		13.0	66.7	27.4	50 800			15.0	69.5	36.5	39 600
		14.0	64.4	26.9	43 900			16.0	67.8	36.1	34 700
		15.0	62.0	26.4	38 200			18.0	64.3	35.1	26 900
		16.0	59.6	25.8	33 300			20.0	60.7	34.0	21 000
		18.0	54.5	24.4	25 600			22.0	57.0	32.8	16 300
								24.0	53.2	31.3	12 500

LIFT CRANE BOOM CAPACITIES WITH LUFFING JIB ATTACHED

BRITISH
STANDARDS

888 SERIES 2

BOOM NO. 22EL

LUFFING JIB NO. 135

81 240 kg CRANE COUNTERWEIGHT

19 960 kg CARBODY COUNTERWEIGHT

8 585 mm CRAWLERS EXTENDED

360 DEGREE RATING

**39.6m (130 FT.) LUFFING JIB,
ATTACHED AT 168 DEGREE BOOM TO LUFFING JIB ANGLE**

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
3 9 · 6	1 3 0	7.3	82.6	41.7	112 000*	4 8 · 8	1 6 0	8.5	82.5	50.7	86 900*
		7.5	82.3	41.6	109 800*			9.0	82.0	50.7	85 100*
		8.0	81.6	41.6	103 800*			10.0	80.8	50.5	79 300*
		8.5	80.9	41.5	96 600*			11.0	79.6	50.3	69 800*
		9.0	80.1	41.4	90 100*			12.0	78.4	50.1	61 600
		10.0	78.6	41.2	79 100*			13.0	77.2	49.9	53 100
		11.0	77.2	40.9	70 000			14.0	76.0	49.6	46 200
		12.0	75.7	40.7	61 300			15.0	74.8	49.3	40 400
		13.0	74.2	40.4	52 600			16.0	73.5	49.0	35 500
		14.0	72.6	40.1	45 700			18.0	71.1	48.4	27 600
		15.0	71.1	39.7	40 000			20.0	68.5	47.6	21 600
		16.0	69.6	39.4	35 100			22.0	66.0	46.7	16 900
4 2 · 7	1 4 0	18.0	66.4	38.5	27 300	5 1 · 8	1 7 0	24.0	63.4	45.7	13 100
		20.0	63.2	37.5	21 300			26.0	60.7	44.6	9 900
		22.0	59.9	36.4	16 600			28.0	57.9	43.4	7 300
		24.0	56.4	35.1	12 800			30.0	55.1	42.1	5 000
		7.9	82.3	44.7	104 000*			32.0	52.1	40.5	3 000
		8.0	82.2	44.6	103 000*			8.5	83.0	53.8	79 800*
		8.5	81.5	44.6	96 500*			9.0	82.5	53.7	78 400*
		9.0	80.8	44.5	90 200*			10.0	81.3	53.6	75 200*
		10.0	79.5	44.3	79 100*			11.0	80.2	53.4	69 800*
		11.0	78.1	44.1	70 000*			12.0	79.1	53.2	61 700
		12.0	76.7	43.8	61 500			13.0	78.0	53.0	53 300
		13.0	75.3	43.6	52 900			14.0	76.8	52.8	46 300
4 5 · 7	1 5 0	14.0	73.9	43.3	45 900			15.0	75.7	52.5	40 500
		15.0	72.5	43.0	40 200			16.0	74.5	52.2	35 500
		16.0	71.1	42.6	35 300			18.0	72.2	51.6	27 700
		18.0	68.2	41.8	27 500			20.0	69.9	50.9	21 800
		20.0	65.3	40.9	21 500			22.0	67.5	50.1	17 000
		22.0	62.2	39.9	16 800			24.0	65.1	49.2	13 200
		24.0	59.1	38.7	13 000			26.0	62.6	48.1	10 000
		26.0	55.9	37.4	9 800			28.0	60.0	47.0	7 300
		7.9	82.8	47.7	93 200*	5 4 · 9	1 8 0	30.0	57.4	45.8	5 100
		8.0	82.7	47.7	92 900*			32.0	54.7	44.4	3 100
		8.5	82.1	47.6	90 800*			9.1	82.7	56.8	73 700*
		9.0	81.4	47.6	88 800*			10.0	81.8	56.7	71 000*
		10.0	80.2	47.4	79 000*			11.0	80.8	56.5	68 000*
		11.0	78.9	47.2	69 900*			12.0	79.7	56.3	61 800
		12.0	77.6	47.0	61 500			13.0	78.6	56.1	53 300
		13.0	76.3	46.7	53 000			14.0	77.6	55.9	46 300
		14.0	75.0	46.4	46 100			15.0	76.5	55.6	40 500
		15.0	73.7	46.2	40 300			16.0	75.4	55.4	35 600
		16.0	72.4	45.8	35 400			18.0	73.2	54.8	27 700
		18.0	69.7	45.1	27 600			20.0	71.0	54.1	21 700
		20.0	67.0	44.3	21 600			22.0	68.8	53.4	17 000
		22.0	64.3	43.3	16 900			24.0	66.5	52.5	13 200
		24.0	61.4	42.3	13 000			26.0	64.2	51.6	10 000
		26.0	58.5	41.1	9 900			28.0	61.9	50.5	7 300
		28.0	55.5	39.7	7 200			30.0	59.5	49.4	5 000
		30.0	52.3	38.2	4 900			32.0	57.0	48.1	3 100

MANITOWOC ENGINEERING CO.

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



LIFT CRANE BOOM CAPACITIES WITH LUFFING JIB ATTACHED

BRITISH
STANDARDS

888 SERIES 2

BOOM NO. 22EL

LUFFING JIB NO. 135

81 240 kg CRANE COUNTERWEIGHT

19 960 kg CARBODY COUNTERWEIGHT

8 585 mm CRAWLERS EXTENDED

360 DEGREE RATING

39.6m (130 FT.) LUFFING JIB,
ATTACHED AT 168 DEGREE BOOM TO LUFFING JIB ANGLE

BOOM LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	BOOM CAPACITY KILOGRAMS
5 7 9	1 9 0	9.8	82.5	59.8	53 500*
		10.0	82.3	59.8	53 500*
		11.0	81.3	59.6	53 500*
		12.0	80.3	59.4	53 500*
		13.0	79.2	59.2	52 500
		14.0	78.2	59.0	46 700
		15.0	77.2	58.8	40 800
		16.0	76.2	58.5	35 800
		18.0	74.2	58.0	28 000
		20.0	72.1	57.3	22 000
		22.0	70.0	56.6	17 200
		24.0	67.8	55.8	13 400
		26.0	65.7	54.9	10 200
		28.0	63.5	54.0	7 500
		30.0	61.2	52.9	5 200
		32.0	58.9	51.7	3 300

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888 SERIES 2

BOOM NO. 22EL

LUFFING JIB NO. 135

81 240 kg CRANE COUNTERWEIGHT

19 960 kg CARBODY COUNTERWEIGHT

8 585 mm CRAWLERS EXTENDED

360 DEGREE RATING

42.7m (140 FT.) LUFFING JIB,
ATTACHED AT 168 DEGREE BOOM TO LUFFING JIB ANGLE

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
2 1 · 3	7 0	4.9	82.8	23.5	175 900*	3 0 · 5	1 0 0	6.1	82.7	32.6	139 200*
		5.0	82.5	23.5	171 500*			6.5	81.9	32.5	129 900*
		5.5	81.1	23.4	154 800*			7.0	80.9	32.5	119 200*
		6.0	79.7	23.3	140 700*			7.5	80.0	32.4	110 100*
		6.5	78.4	23.2	128 600*			8.0	79.0	32.3	102 000*
		7.0	77.0	23.1	118 100*			8.5	78.1	32.1	94 800*
		7.5	75.6	23.0	108 900*			9.0	77.1	32.0	88 400*
		8.0	74.2	22.8	100 800*			10.0	75.1	31.7	77 400*
		8.5	72.8	22.6	93 500*			11.0	73.2	31.4	68 200
		9.0	71.3	22.5	87 100*			12.0	71.2	31.1	58 500
		10.0	68.4	22.1	76 000*			13.0	69.2	30.7	50 000
		11.0	65.5	21.6	66 000			14.0	67.1	30.3	43 200
		12.0	62.5	21.1	55 600			15.0	65.1	29.8	37 500
		13.0	59.3	20.5	47 300			16.0	62.9	29.3	32 700
		14.0	56.1	19.8	40 500			18.0	58.6	28.1	25 000
2 4 · 4	8 0	5.2	83.0	26.6	165 200*	3 3 · 5	1 1 0	6.7	82.3	35.6	125 200*
		5.5	82.2	26.5	155 000*			7.0	81.8	35.5	119 500*
		6.0	81.0	26.4	141 000*			7.5	80.9	35.5	110 100*
		6.5	79.8	26.3	128 900*			8.0	80.0	35.4	102 100*
		7.0	78.6	26.2	118 400*			8.5	79.2	35.3	94 900*
		7.5	77.4	26.1	109 300*			9.0	78.3	35.2	88 500*
		8.0	76.2	26.0	101 200*			10.0	76.5	34.9	77 500*
		8.5	75.0	25.8	94 000*			11.0	74.8	34.6	68 400
		9.0	73.8	25.7	87 600*			12.0	73.0	34.3	59 100
		10.0	71.3	25.3	76 500*			13.0	71.2	34.0	50 600
		11.0	68.8	24.9	67 200			14.0	69.3	33.6	43 700
		12.0	66.2	24.5	56 700			15.0	67.5	33.2	38 000
		13.0	63.5	24.0	48 400			16.0	65.6	32.7	33 200
		14.0	60.9	23.4	41 600			18.0	61.7	31.7	25 400
		15.0	58.1	22.8	35 900			20.0	57.7	30.4	19 500
2 7 · 4	9 0	16.0	55.2	22.1	31 200			22.0	53.5	29.0	14 800
		5.8	82.5	29.6	146 900*	3 6 · 6	1 2 0	6.7	82.9	38.7	125 300*
		6.0	82.0	29.5	141 400*			7.0	82.5	38.6	119 600*
		6.5	81.0	29.4	129 200*			7.5	81.7	38.6	110 300*
		7.0	79.9	29.3	118 800*			8.0	80.9	38.5	102 300*
		7.5	78.9	29.2	109 700*			8.5	80.1	38.4	95 100*
		8.0	77.8	29.1	101 600*			9.0	79.3	38.3	88 700*
		8.5	76.7	29.0	94 400*			10.0	77.7	38.0	77 700*
		9.0	75.6	28.9	88 000*			11.0	76.1	37.8	68 600
		10.0	73.4	28.6	76 900*			12.0	74.4	37.5	59 500
		11.0	71.2	28.2	67 800			13.0	72.8	37.2	51 000
		12.0	69.0	27.8	57 700			14.0	71.1	36.8	44 100
		13.0	66.7	27.4	49 300			15.0	69.5	36.5	38 400
		14.0	64.4	26.9	42 500			16.0	67.8	36.1	33 500
		15.0	62.0	26.4	36 800			18.0	64.3	35.1	25 800
		16.0	59.6	25.8	32 000			20.0	60.7	34.0	19 900
		18.0	54.5	24.4	24 300			22.0	57.0	32.8	15 200
								24.0	53.2	31.3	11 400

LIFT CRANE BOOM CAPACITIES WITH LUFFING JIB ATTACHED

BRITISH
STANDARDS

888 SERIES 2

BOOM NO. 22EL

LUFFING JIB NO. 135

81 240 kg CRANE COUNTERWEIGHT

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8 585 mm CRAWLERS EXTENDED

360 DEGREE RATING

**42.7m (140 FT.) LUFFING JIB,
ATTACHED AT 168 DEGREE BOOM TO LUFFING JIB ANGLE**

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
3 9 · 6	1 3 0	7.3	82.6	41.7	110 700*	4 8 · 8	1 6 0	8.5	82.5	50.7	85 500*
		7.5	82.3	41.6	108 500*			9.0	82.0	50.7	83 800*
		8.0	81.6	41.6	102 600*			10.0	80.8	50.5	78 200*
		8.5	80.9	41.5	95 300*			11.0	79.6	50.3	68 700*
		9.0	80.1	41.4	88 900*			12.0	78.4	50.1	60 500
		10.0	78.6	41.2	77 900*			13.0	77.2	49.9	52 000
		11.0	77.2	40.9	68 800			14.0	76.0	49.6	45 100
		12.0	75.7	40.7	60 000			15.0	74.8	49.3	39 300
		13.0	74.2	40.4	51 400			16.0	73.5	49.0	34 400
		14.0	72.6	40.1	44 500			18.0	71.1	48.4	26 600
		15.0	71.1	39.7	38 800			20.0	68.5	47.6	20 700
		16.0	69.6	39.4	33 900			22.0	66.0	46.7	16 000
4 2 · 7	1 4 0	18.0	66.4	38.5	26 200	5 1 · 8	1 7 0	24.0	63.4	45.7	12 200
		20.0	63.2	37.5	20 300			26.0	60.7	44.6	9 000
		22.0	59.9	36.4	15 600			28.0	57.9	43.4	6 400
		24.0	56.4	35.1	11 800			30.0	55.1	42.1	4 100
		7.9	82.3	44.7	102 600*			8.5	83.0	53.8	78 200*
		8.0	82.2	44.6	101 700*			9.0	82.5	53.7	76 700*
		8.5	81.5	44.6	95 300*			10.0	81.3	53.6	73 400*
		9.0	80.8	44.5	89 000*			11.0	80.2	53.4	68 800*
		10.0	79.5	44.3	78 000*			12.0	79.1	53.2	60 600
		11.0	78.1	44.1	68 900			13.0	78.0	53.0	52 100
		12.0	76.7	43.8	60 300			14.0	76.8	52.8	45 200
		13.0	75.3	43.6	51 700			15.0	75.7	52.5	39 400
4 5 · 7	1 5 0	14.0	73.9	43.3	44 800			16.0	74.5	52.2	34 500
		15.0	72.5	43.0	39 000			18.0	72.2	51.6	26 700
		16.0	71.1	42.6	34 200	5 4 · 9	1 8 0	20.0	69.9	50.9	20 800
		18.0	68.2	41.8	26 400			22.0	67.5	50.1	16 100
		20.0	65.3	40.9	20 500			24.0	65.1	49.2	12 200
		22.0	62.2	39.9	15 800			26.0	62.6	48.1	9 100
		24.0	59.1	38.7	12 000			28.0	60.0	47.0	6 500
		26.0	55.9	37.4	8 900			30.0	57.4	45.8	4 200
		7.9	82.8	47.7	91 900*			9.1	82.7	56.8	71 900*
		8.0	82.7	47.7	91 600*			10.0	81.8	56.7	69 200*
		8.5	82.1	47.6	89 500*			11.0	80.8	56.5	66 200*
		9.0	81.4	47.6	87 500*			12.0	79.7	56.3	60 800
		10.0	80.2	47.4	77 800*			13.0	78.6	56.1	52 200
		11.0	78.9	47.2	68 800*			14.0	77.6	55.9	45 300
5 7 · 9	1 9 0	12.0	77.6	47.0	60 400			15.0	76.5	55.6	39 500
		13.0	76.3	46.7	51 800			16.0	75.4	55.4	34 600
		14.0	75.0	46.4	44 900			18.0	73.2	54.8	26 700
		15.0	73.7	46.2	39 200			20.0	71.0	54.1	20 800
		16.0	72.4	45.8	34 300			22.0	68.8	53.4	16 100
		18.0	69.7	45.1	26 500			24.0	66.5	52.5	12 200
		20.0	67.0	44.3	20 600			26.0	64.2	51.6	9 100
		22.0	64.3	43.3	15 900			28.0	61.9	50.5	6 500
		24.0	61.4	42.3	12 100			30.0	59.5	49.4	4 200
		26.0	58.5	41.1	8 900			9.8	82.5	59.8	53 500*
		28.0	55.5	39.7	6 300			10.0	82.3	59.8	53 500*
		30.0	52.3	38.2	4 000			11.0	81.3	59.6	53 500*
								12.0	80.3	59.4	53 500*
								13.0	79.2	59.2	52 200
								14.0	78.2	59.0	45 600
								15.0	77.2	58.8	39 800
								16.0	76.2	58.5	34 900
								18.0	74.2	58.0	27 100
								20.0	72.1	57.3	21 100
								22.0	70.0	56.6	16 400
								24.0	67.8	55.8	12 500
								26.0	65.7	54.9	9 300
								28.0	63.5	54.0	6 700
								30.0	61.2	52.9	4 400

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LIFT CRANE BOOM CAPACITIES WITH LUFFING JIB ATTACHED

BRITISH
STANDARDS

888 SERIES 2

BOOM NO. 22EL

LUFFING JIB NO. 135

81 240 kg CRANE COUNTERWEIGHT

19 960 kg CARBODY COUNTERWEIGHT

8 585 mm CRAWLERS EXTENDED

360 DEGREE RATING

45.7m (150 FT.) LUFFING JIB,
ATTACHED AT 168 DEGREE BOOM TO LUFFING JIB ANGLE

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
2 1 3	7 0	4.9	82.8	23.5	174 700*	3 0 5	1 0 0	6.1	82.7	32.6	138 200*
		5.0	82.5	23.5	170 300*			6.5	81.9	32.5	128 900*
		5.5	81.1	23.4	153 600*			7.0	80.9	32.5	118 200*
		6.0	79.7	23.3	139 500*			7.5	80.0	32.4	109 100*
		6.5	78.4	23.2	127 400*			8.0	79.0	32.3	101 100*
		7.0	77.0	23.1	116 900*			8.5	78.1	32.1	93 900*
		7.5	75.6	23.0	107 800*			9.0	77.1	32.0	87 500*
		8.0	74.2	22.8	99 700*			10.0	75.1	31.7	76 500*
		8.5	72.8	22.6	92 500*			11.0	73.2	31.4	67 400
		9.0	71.3	22.5	86 000*			12.0	71.2	31.1	57 500
		10.0	68.4	22.1	74 900*			13.0	69.2	30.7	49 100
		11.0	65.5	21.6	64 700			14.0	67.1	30.3	42 300
		12.0	62.5	21.1	54 400			15.0	65.1	29.8	36 600
		13.0	59.3	20.5	46 200			16.0	62.9	29.3	31 800
		14.0	56.1	19.8	39 400			18.0	58.6	28.1	24 200
2 4 4	8 0	5.2	83.0	26.6	164 100*	3 3 5	1 1 0	6.7	82.3	35.6	124 300*
		5.5	82.2	26.5	153 900*			7.0	81.8	35.5	118 600*
		6.0	81.0	26.4	139 900*			7.5	80.9	35.5	109 200*
		6.5	79.8	26.3	127 800*			8.0	80.0	35.4	101 200*
		7.0	78.6	26.2	117 400*			8.5	79.2	35.3	94 100*
		7.5	77.4	26.1	108 300*			9.0	78.3	35.2	87 700*
		8.0	76.2	26.0	100 200*			10.0	76.5	34.9	76 700*
		8.5	75.0	25.8	93 000*			11.0	74.8	34.6	67 600
		9.0	73.8	25.7	86 600*			12.0	73.0	34.3	58 100
		10.0	71.3	25.3	75 500*			13.0	71.2	34.0	49 700
		11.0	68.8	24.9	66 000			14.0	69.3	33.6	42 900
		12.0	66.2	24.5	55 600			15.0	67.5	33.2	37 100
		13.0	63.5	24.0	47 300			16.0	65.6	32.7	32 300
		14.0	60.9	23.4	40 600			18.0	61.7	31.7	24 600
		15.0	58.1	22.8	34 900			20.0	57.7	30.4	18 800
		16.0	55.2	22.1	30 200			22.0	53.5	29.0	14 200
2 7 4	9 0	5.8	82.5	29.6	145 800*	3 6 6	1 2 0	6.7	82.9	38.7	124 400*
		6.0	82.0	29.5	140 300*			7.0	82.5	38.6	118 700*
		6.5	81.0	29.4	128 200*			7.5	81.7	38.6	109 400*
		7.0	79.9	29.3	117 800*			8.0	80.9	38.5	101 400*
		7.5	78.9	29.2	108 700*			8.5	80.1	38.4	94 300*
		8.0	77.8	29.1	100 600*			9.0	79.3	38.3	87 800*
		8.5	76.7	29.0	93 500*			10.0	77.7	38.0	76 900*
		9.0	75.6	28.9	87 000*			11.0	76.1	37.8	67 800
		10.0	73.4	28.6	76 000*			12.0	74.4	37.5	58 600
		11.0	71.2	28.2	66 900			13.0	72.8	37.2	50 100
		12.0	69.0	27.8	56 600			14.0	71.1	36.8	43 300
		13.0	66.7	27.4	48 300			15.0	69.5	36.5	37 600
		14.0	64.4	26.9	41 500			16.0	67.8	36.1	32 800
		15.0	62.0	26.4	35 900			18.0	64.3	35.1	25 000
		16.0	59.6	25.8	31 100			20.0	60.7	34.0	19 200
		18.0	54.5	24.4	23 400			22.0	57.0	32.8	14 600
								24.0	53.2	31.3	10 800

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45.7m (150 FT.) LUFFING JIB,
ATTACHED AT 168 DEGREE BOOM TO LUFFING JIB ANGLE

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
3 9 6	1 3 0	7.3	82.6	41.7	109 800*	4 8 8	1 6 0	8.5	82.5	50.7	84 500*
		7.5	82.3	41.6	107 700*			9.0	82.0	50.7	82 600*
		8.0	81.6	41.6	101 700*			10.0	80.8	50.5	77 500*
		8.5	80.9	41.5	94 500*			11.0	79.6	50.3	68 000*
		9.0	80.1	41.4	88 100*			12.0	78.4	50.1	59 700
		10.0	78.6	41.2	77 100*			13.0	77.2	49.9	51 200
		11.0	77.2	40.9	68 000			14.0	76.0	49.6	44 300
		12.0	75.7	40.7	59 100			15.0	74.8	49.3	38 600
		13.0	74.2	40.4	50 600			16.0	73.5	49.0	33 700
		14.0	72.6	40.1	43 700			18.0	71.1	48.4	26 000
		15.0	71.1	39.7	38 000			20.0	68.5	47.6	20 100
		16.0	69.6	39.4	33 200			22.0	66.0	46.7	15 400
		18.0	66.4	38.5	25 500			24.0	63.4	45.7	11 600
		20.0	63.2	37.5	19 600			26.0	60.7	44.6	8 500
		22.0	59.9	36.4	14 900			28.0	57.9	43.4	5 800
		24.0	56.4	35.1	11 200			30.0	55.1	42.1	3 600
4 2 7	1 4 0	7.9	82.3	44.7	101 700*	5 1 8	1 7 0	8.5	83.0	53.8	77 800*
		8.0	82.2	44.6	100 800*			9.0	82.5	53.7	76 400*
		8.5	81.5	44.6	94 500*			10.0	81.3	53.6	73 300*
		9.0	80.8	44.5	88 200*			11.0	80.2	53.4	68 100*
		10.0	79.5	44.3	77 200*			12.0	79.1	53.2	59 800
		11.0	78.1	44.1	68 100			13.0	78.0	53.0	51 400
		12.0	76.7	43.8	59 400			14.0	76.8	52.8	44 500
		13.0	75.3	43.6	50 900			15.0	75.7	52.5	38 800
		14.0	73.9	43.3	44 000			16.0	74.5	52.2	33 900
		15.0	72.5	43.0	38 300			18.0	72.2	51.6	26 100
		16.0	71.1	42.6	33 500			20.0	69.9	50.9	20 200
		18.0	68.2	41.8	25 700			22.0	67.5	50.1	15 500
		20.0	65.3	40.9	19 900			24.0	65.1	49.2	11 700
		22.0	62.2	39.9	15 200			26.0	62.6	48.1	8 600
		24.0	59.1	38.7	11 400			28.0	60.0	47.0	6 000
		26.0	55.9	37.4	8 300			30.0	57.4	45.8	3 700
4 5 7	1 5 0	7.9	82.8	47.7	91 100*	5 4 9	1 8 0	9.1	82.7	56.8	71 900*
		8.0	82.7	47.7	90 800*			10.0	81.8	56.7	69 500*
		8.5	82.1	47.6	88 700*			11.0	80.8	56.5	66 600*
		9.0	81.4	47.6	86 600*			12.0	79.7	56.3	60 000
		10.0	80.2	47.4	77 100*			13.0	78.6	56.1	51 500
		11.0	78.9	47.2	68 000*			14.0	77.6	55.9	44 600
		12.0	77.6	47.0	59 600			15.0	76.5	55.6	38 800
		13.0	76.3	46.7	51 100			16.0	75.4	55.4	34 000
		14.0	75.0	46.4	44 200			18.0	73.2	54.8	26 100
		15.0	73.7	46.2	38 500			20.0	71.0	54.1	20 200
		16.0	72.4	45.8	33 600			22.0	68.8	53.4	15 600
		18.0	69.7	45.1	25 900			24.0	66.5	52.5	11 800
		20.0	67.0	44.3	20 000			26.0	64.2	51.6	8 600
		22.0	64.3	43.3	15 300			28.0	61.9	50.5	6 000
		24.0	61.4	42.3	11 500			30.0	59.5	49.4	3 700
5 7 9	1 9 0	26.0	58.5	41.1	8 400	5 7 9	1 9 0	9.8	82.5	59.8	53 500*
		28.0	55.5	39.7	5 800			10.0	82.3	59.8	53 500*
		30.0	52.3	38.2	3 500			11.0	81.3	59.6	53 500*
								12.0	80.3	59.4	53 500*
								13.0	79.2	59.2	52 400
								14.0	78.2	59.0	44 900
								15.0	77.2	58.8	39 200
								16.0	76.2	58.5	34 300
								18.0	74.2	58.0	26 500
								20.0	72.1	57.3	20 500
								22.0	70.0	56.6	15 800
								24.0	67.8	55.8	12 000
								26.0	65.7	54.9	8 900
								28.0	63.5	54.0	6 200
								30.0	61.2	52.9	4 000

MANITOWOC ENGINEERING CO.

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



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48.8m (160 FT.) LUFFING JIB,
ATTACHED AT 168 DEGREE BOOM TO LUFFING JIB ANGLE

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
2 1 · 3	7 0	4.9	82.8	23.5	172 900*	3 0 · 5	1 0 0	6.1	82.7	32.6	136 700*
		5.0	82.5	23.5	168 500*			6.5	81.9	32.5	127 400*
		5.5	81.1	23.4	151 900*			7.0	80.9	32.5	116 700*
		6.0	79.7	23.3	137 800*			7.5	80.0	32.4	107 700*
		6.5	78.4	23.2	125 700*			8.0	79.0	32.3	99 600*
		7.0	77.0	23.1	115 300*			8.5	78.1	32.1	92 500*
		7.5	75.6	23.0	106 100*			9.0	77.1	32.0	86 100*
		8.0	74.2	22.8	98 000*			10.0	75.1	31.7	75 100*
		8.5	72.8	22.6	90 900*			11.0	73.2	31.4	66 000
		9.0	71.3	22.5	84 400*			12.0	71.2	31.1	56 000
		10.0	68.4	22.1	73 300*			13.0	69.2	30.7	47 700
		11.0	65.5	21.6	62 800			14.0	67.1	30.3	40 900
		12.0	62.5	21.1	52 600			15.0	65.1	29.8	35 300
		13.0	59.3	20.5	44 400			16.0	62.9	29.3	30 500
		14.0	56.1	19.8	37 700			18.0	58.6	28.1	22 900
2 4 · 4	8 0	5.2	83.0	26.6	162 400*	3 3 · 5	1 1 0	6.7	82.3	35.6	122 800*
		5.5	82.2	26.5	152 300*			7.0	81.8	35.5	117 200*
		6.0	81.0	26.4	138 300*			7.5	80.9	35.5	107 800*
		6.5	79.8	26.3	126 300*			8.0	80.0	35.4	99 800*
		7.0	78.6	26.2	115 800*			8.5	79.2	35.3	92 700*
		7.5	77.4	26.1	106 700*			9.0	78.3	35.2	86 300*
		8.0	76.2	26.0	98 600*			10.0	76.5	34.9	75 400*
		8.5	75.0	25.8	91 400*			11.0	74.8	34.6	66 300
		9.0	73.8	25.7	85 000*			12.0	73.0	34.3	56 600
		10.0	71.3	25.3	74 000*			13.0	71.2	34.0	48 300
		11.0	68.8	24.9	64 300			14.0	69.3	33.6	41 500
		12.0	66.2	24.5	54 000			15.0	67.5	33.2	35 900
		13.0	63.5	24.0	45 700			16.0	65.6	32.7	31 100
		14.0	60.9	23.4	39 000			18.0	61.7	31.7	23 400
		15.0	58.1	22.8	33 400			20.0	57.7	30.4	17 600
		16.0	55.2	22.1	28 600			22.0	53.5	29.0	13 000
2 7 · 4	9 0	5.8	82.5	29.6	144 200*	3 6 · 6	1 2 0	6.7	82.9	38.7	123 000*
		6.0	82.0	29.5	138 800*			7.0	82.5	38.6	117 300*
		6.5	81.0	29.4	126 700*			7.5	81.7	38.6	108 000*
		7.0	79.9	29.3	116 300*			8.0	80.9	38.5	100 000*
		7.5	78.9	29.2	107 200*			8.5	80.1	38.4	92 900*
		8.0	77.8	29.1	99 200*			9.0	79.3	38.3	86 500*
		8.5	76.7	29.0	92 000*			10.0	77.7	38.0	75 600*
		9.0	75.6	28.9	85 600*			11.0	76.1	37.8	66 500
		10.0	73.4	28.6	74 600*			12.0	74.4	37.5	57 200
		11.0	71.2	28.2	65 400			13.0	72.8	37.2	48 800
		12.0	69.0	27.8	55 000			14.0	71.1	36.8	42 000
		13.0	66.7	27.4	46 800			15.0	69.5	36.5	36 300
		14.0	64.4	26.9	40 000			16.0	67.8	36.1	31 500
		15.0	62.0	26.4	34 400			18.0	64.3	35.1	23 900
		16.0	59.6	25.8	29 600			20.0	60.7	34.0	18 100
		18.0	54.5	24.4	22 100			22.0	57.0	32.8	13 400
								24.0	53.2	31.3	9 700

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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
3 9 · 6	1 3 0	7.3	82.6	41.7	108 400*	4 8 · 8	1 6 0	8.5	82.5	50.7	82 500*
		7.5	82.3	41.6	106 300*			9.0	82.0	50.7	80 600*
		8.0	81.6	41.6	100 400*			10.0	80.8	50.5	75 700*
		8.5	80.9	41.5	93 200*			11.0	79.6	50.3	66 900*
		9.0	80.1	41.4	86 800*			12.0	78.4	50.1	58 500
		10.0	78.6	41.2	75 900*			13.0	77.2	49.9	50 000
		11.0	77.2	40.9	66 800			14.0	76.0	49.6	43 200
		12.0	75.7	40.7	57 800			15.0	74.8	49.3	37 500
		13.0	74.2	40.4	49 300			16.0	73.5	49.0	32 700
		14.0	72.6	40.1	42 500			18.0	71.1	48.4	24 900
		15.0	71.1	39.7	36 800			20.0	68.5	47.6	19 000
		16.0	69.6	39.4	32 000			22.0	66.0	46.7	14 400
		18.0	66.4	38.5	24 300			24.0	63.4	45.7	10 600
		20.0	63.2	37.5	18 500			26.0	60.7	44.6	7 500
		22.0	59.9	36.4	13 800			28.0	57.9	43.4	4 900
		24.0	56.4	35.1	10 100						
4 2 · 7	1 4 0	7.9	82.3	44.7	100 300*	5 1 · 8	1 7 0	8.5	83.0	53.8	76 500*
		8.0	82.2	44.6	99 400*			9.0	82.5	53.7	75 100*
		8.5	81.5	44.6	93 200*			10.0	81.3	53.6	72 000*
		9.0	80.8	44.5	87 000*			11.0	80.2	53.4	66 900*
		10.0	79.5	44.3	76 000*			12.0	79.1	53.2	58 700
		11.0	78.1	44.1	66 900			13.0	78.0	53.0	50 300
		12.0	76.7	43.8	58 100			14.0	76.8	52.8	43 400
		13.0	75.3	43.6	49 600			15.0	75.7	52.5	37 700
		14.0	73.9	43.3	42 800			16.0	74.5	52.2	32 800
		15.0	72.5	43.0	37 100			18.0	72.2	51.6	25 100
		16.0	71.1	42.6	32 300			20.0	69.9	50.9	19 200
		18.0	68.2	41.8	24 600			22.0	67.5	50.1	14 600
		20.0	65.3	40.9	18 800			24.0	65.1	49.2	10 800
		22.0	62.2	39.9	14 200			26.0	62.6	48.1	7 700
		24.0	59.1	38.7	10 400			28.0	60.0	47.0	5 100
		26.0	55.9	37.4	7 300						
4 5 · 7	1 5 0	7.9	82.8	47.7	89 500*	5 4 · 9	1 8 0	9.1	82.7	56.8	70 600*
		8.0	82.7	47.7	89 100*			10.0	81.8	56.7	68 200*
		8.5	82.1	47.6	86 900*			11.0	80.8	56.5	65 300*
		9.0	81.4	47.6	84 700*			12.0	79.7	56.3	58 900
		10.0	80.2	47.4	76 000*			13.0	78.6	56.1	50 300
		11.0	78.9	47.2	66 900*			14.0	77.6	55.9	43 500
		12.0	77.6	47.0	58 400			15.0	76.5	55.6	37 800
		13.0	76.3	46.7	49 900			16.0	75.4	55.4	32 900
		14.0	75.0	46.4	43 000			18.0	73.2	54.8	25 200
		15.0	73.7	46.2	37 300			20.0	71.0	54.1	19 300
		16.0	72.4	45.8	32 500			22.0	68.8	53.4	14 600
		18.0	69.7	45.1	24 800			24.0	66.5	52.5	10 800
		20.0	67.0	44.3	18 900			26.0	64.2	51.6	7 700
		22.0	64.3	43.3	14 300			28.0	61.9	50.5	5 100
		24.0	61.4	42.3	10 500						
5 7 · 9	1 9 0	26.0	58.5	41.1	7 400	5 7 · 9	1 9 0	9.8	82.5	59.8	53 500*
		28.0	55.5	39.7	4 800			10.0	82.3	59.8	53 500*
								11.0	81.3	59.6	53 500*
								12.0	80.3	59.4	53 500*
								13.0	79.2	59.2	51 200
								14.0	78.2	59.0	43 900
								15.0	77.2	58.8	38 100
								16.0	76.2	58.5	33 200
								18.0	74.2	58.0	25 500
								20.0	72.1	57.3	19 600
								22.0	70.0	56.6	14 900
								24.0	67.8	55.8	11 100
								26.0	65.7	54.9	8 000
								28.0	63.5	54.0	5 400
								30.0	61.2	52.9	3 100

MANITOWOC ENGINEERING CO.

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



LIFT CRANE BOOM CAPACITIES WITH LUFFING JIB ATTACHED

BRITISH
STANDARDS

888 SERIES 2

BOOM NO. 22EL

LUFFING JIB NO. 135

81 240 kg CRANE COUNTERWEIGHT

19 960 kg CARBODY COUNTERWEIGHT

8 585 mm CRAWLERS EXTENDED

360 DEGREE RATING

51.8m (170 FT.) LUFFING JIB,
ATTACHED AT 168 DEGREE BOOM TO LUFFING JIB ANGLE

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
2 1 · 3	7 0	4.9	82.8	23.5	171 300*	3 0 · 5	1 0 0	6.1	82.7	32.6	135 300*
		5.0	82.5	23.5	166 900*			6.5	81.9	32.5	126 000*
		5.5	81.1	23.4	150 300*			7.0	80.9	32.5	115 400*
		6.0	79.7	23.3	136 200*			7.5	80.0	32.4	106 400*
		6.5	78.4	23.2	124 200*			8.0	79.0	32.3	98 400*
		7.0	77.0	23.1	113 700*			8.5	78.1	32.1	91 200*
		7.5	75.6	23.0	104 600*			9.0	77.1	32.0	84 800*
		8.0	74.2	22.8	96 500*			10.0	75.1	31.7	73 900*
		8.5	72.8	22.6	89 400*			11.0	73.2	31.4	64 800
		9.0	71.3	22.5	82 900*			12.0	71.2	31.1	54 500
		10.0	68.4	22.1	71 900*			13.0	69.2	30.7	46 400
		11.0	65.5	21.6	61 100			14.0	67.1	30.3	39 600
		12.0	62.5	21.1	50 900			15.0	65.1	29.8	34 000
		13.0	59.3	20.5	42 800			16.0	62.9	29.3	29 300
		14.0	56.1	19.8	36 200			18.0	58.6	28.1	21 800
2 4 · 4	8 0	5.2	83.0	26.6	160 900*	3 3 · 5	1 1 0	6.7	82.3	35.6	121 500*
		5.5	82.2	26.5	150 700*			7.0	81.8	35.5	115 800*
		6.0	81.0	26.4	136 800*			7.5	80.9	35.5	106 500*
		6.5	79.8	26.3	124 800*			8.0	80.0	35.4	98 600*
		7.0	78.6	26.2	114 300*			8.5	79.2	35.3	91 500*
		7.5	77.4	26.1	105 200*			9.0	78.3	35.2	85 100*
		8.0	76.2	26.0	97 200*			10.0	76.5	34.9	74 200*
		8.5	75.0	25.8	90 000*			11.0	74.8	34.6	65 100
		9.0	73.8	25.7	83 600*			12.0	73.0	34.3	55 300
		10.0	71.3	25.3	72 600*			13.0	71.2	34.0	47 000
		11.0	68.8	24.9	62 600			14.0	69.3	33.6	40 300
		12.0	66.2	24.5	52 400			15.0	67.5	33.2	34 700
		13.0	63.5	24.0	44 200			16.0	65.6	32.7	29 900
		14.0	60.9	23.4	37 600			18.0	61.7	31.7	22 300
		15.0	58.1	22.8	32 000			20.0	57.7	30.4	16 500
2 7 · 4	9 0	5.8	82.5	29.6	142 800*	3 6 · 6	1 2 0	6.7	82.9	38.7	121 700*
		6.0	82.0	29.5	137 300*			7.0	82.5	38.6	116 100*
		6.5	81.0	29.4	125 300*			7.5	81.7	38.6	106 800*
		7.0	79.9	29.3	114 900*			8.0	80.9	38.5	98 800*
		7.5	78.9	29.2	105 800*			8.5	80.1	38.4	91 700*
		8.0	77.8	29.1	97 800*			9.0	79.3	38.3	85 300*
		8.5	76.7	29.0	90 700*			10.0	77.7	38.0	74 400*
		9.0	75.6	28.9	84 300*			11.0	76.1	37.8	65 400
		10.0	73.4	28.6	73 300*			12.0	74.4	37.5	55 900
		11.0	71.2	28.2	63 900			13.0	72.8	37.2	47 600
		12.0	69.0	27.8	53 600			14.0	71.1	36.8	40 900
		13.0	66.7	27.4	45 400			15.0	69.5	36.5	35 200
		14.0	64.4	26.9	38 700			16.0	67.8	36.1	30 400
		15.0	62.0	26.4	33 100			18.0	64.3	35.1	22 800
		16.0	59.6	25.8	28 400			20.0	60.7	34.0	17 100
		18.0	54.5	24.4	20 900			22.0	57.0	32.8	12 400
								24.0	53.2	31.3	8 700

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3 9 · 6	1 3 0	7.3	82.6	41.7	107 100*	4 8 · 8	1 6 0	8.5	82.5	50.7	80 700*
		7.5	82.3	41.6	105 000*			9.0	82.0	50.7	78 700*
		8.0	81.6	41.6	99 200*			10.0	80.8	50.5	74 200*
		8.5	80.9	41.5	92 100*			11.0	79.6	50.3	65 900*
		9.0	80.1	41.4	85 600*			12.0	78.4	50.1	57 500
		10.0	78.6	41.2	74 700*			13.0	77.2	49.9	49 000
		11.0	77.2	40.9	65 700			14.0	76.0	49.6	42 200
		12.0	75.7	40.7	56 500			15.0	74.8	49.3	36 500
		13.0	74.2	40.4	48 100			16.0	73.5	49.0	31 700
		14.0	72.6	40.1	41 400			18.0	71.1	48.4	24 000
		15.0	71.1	39.7	35 700			20.0	68.5	47.6	18 200
		16.0	69.6	39.4	30 900			22.0	66.0	46.7	13 500
4 2 · 7	1 4 0	18.0	66.4	38.5	23 300	5 1 · 8	1 7 0	24.0	63.4	45.7	9 800
		20.0	63.2	37.5	17 500			26.0	60.7	44.6	6 700
		22.0	59.9	36.4	12 900			28.0	57.9	43.4	4 100
		24.0	56.4	35.1	9 200			8.5	83.0	53.8	75 400*
		7.9	82.3	44.7	98 900*			9.0	82.5	53.7	73 900*
		8.0	82.2	44.6	98 000*			10.0	81.3	53.6	70 900*
		8.5	81.5	44.6	92 000*			11.0	80.2	53.4	65 900*
		9.0	80.8	44.5	85 900*			12.0	79.1	53.2	57 600
		10.0	79.5	44.3	74 900*			13.0	78.0	53.0	49 200
		11.0	78.1	44.1	65 800			14.0	76.8	52.8	42 400
		12.0	76.7	43.8	56 900			15.0	75.7	52.5	36 700
		13.0	75.3	43.6	48 500			16.0	74.5	52.2	31 900
4 5 · 7	1 5 0	14.0	73.9	43.3	41 700	5 4 · 9	1 8 0	18.0	72.2	51.6	24 200
		15.0	72.5	43.0	36 100			20.0	69.9	50.9	18 400
		16.0	71.1	42.6	31 300			22.0	67.5	50.1	13 700
		18.0	68.2	41.8	23 700			24.0	65.1	49.2	10 000
		20.0	65.3	40.9	17 900			26.0	62.6	48.1	6 900
		22.0	62.2	39.9	13 300			28.0	60.0	47.0	4 300
		24.0	59.1	38.7	9 500	5 7 · 9	1 9 0	9.1	82.7	56.8	69 500*
		26.0	55.9	37.4	6 400			10.0	81.8	56.7	67 000*
		7.9	82.8	47.7	87 700*			11.0	80.8	56.5	64 200*
		8.0	82.7	47.7	87 300*			12.0	79.7	56.3	57 900
		8.5	82.1	47.6	85 100*			13.0	78.6	56.1	49 300
		9.0	81.4	47.6	82 900*			14.0	77.6	55.9	42 500
		10.0	80.2	47.4	75 100*			15.0	76.5	55.6	36 800
		11.0	78.9	47.2	65 900			16.0	75.4	55.4	32 000
		12.0	77.6	47.0	57 300			18.0	73.2	54.8	24 300
		13.0	76.3	46.7	48 800			20.0	71.0	54.1	18 400
		14.0	75.0	46.4	42 000			22.0	68.8	53.4	13 800
		15.0	73.7	46.2	36 300			24.0	66.5	52.5	10 000
		16.0	72.4	45.8	31 500			26.0	64.2	51.6	6 900
		18.0	69.7	45.1	23 900			28.0	61.9	50.5	4 300
		20.0	67.0	44.3	18 000			9.8	82.5	59.8	53 500*
		22.0	64.3	43.3	13 400			10.0	82.3	59.8	53 500*
		24.0	61.4	42.3	9 700			11.0	81.3	59.6	53 500*
		26.0	58.5	41.1	6 600			12.0	80.3	59.4	53 500*
		28.0	55.5	39.7	4 000			13.0	79.2	59.2	50 100
								14.0	78.2	59.0	42 900
								15.0	77.2	58.8	37 200
								16.0	76.2	58.5	32 300
								18.0	74.2	58.0	24 600
								20.0	72.1	57.3	18 800
								22.0	70.0	56.6	14 100
								24.0	67.8	55.8	10 300
								26.0	65.7	54.9	7 300
								28.0	63.5	54.0	4 600