

LIFT CRANE BOOM CAPACITIES WITH LUFFING JIB ATTACHED

BRITISH
STANDARDS

888 SERIES 1

**BOOM NO. 22EL
LUFFING JIB NO. 135
65 360 kg 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 (*).

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, AND 65 360 kg 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	
BOOM LENGTH METERS	LUFFING JIB LENGTH METERS	BOOM LENGTH METERS	LUFFING JIB LENGTH METERS
21.3 - 27.4	21.3 - 42.7	21.3 - 27.4	45.7 - 51.8
30.5 - 48.8	21.3 - 30.5	30.5 - 48.8	33.5 - 51.8

CONSULT CHART NO. 7907-AM FOR LUFFING JIB CAPACITIES

MANITOWOC ENGINEERING CO.

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



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BOOM NO. 22EL
LUFFING JIB NO. 135
65 360 kg 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	167 100*	3 6 6	1 2 0	6.7	82.9	38.7	119 200*
		5.0	82.5	23.5	163 000*			7.0	82.5	38.6	113 900*
		5.5	81.1	23.4	147 700*			7.5	81.7	38.6	105 300*
		6.0	79.7	23.3	134 800*			8.0	80.9	38.5	97 800
		6.5	78.4	23.2	123 700*			8.5	80.1	38.4	89 700
		7.0	77.0	23.1	114 100*			9.0	79.3	38.3	81 000
		7.5	75.6	23.0	105 700*			10.0	77.7	38.0	66 300
		8.0	74.2	22.8	98 000			11.0	76.1	37.8	55 600
		8.5	72.8	22.6	88 000			12.0	74.4	37.5	47 300
		9.0	71.3	22.5	79 000			13.0	72.8	37.2	40 600
2 4 4	8 0	5.2	83.0	26.6	156 900*	3 9 6	1 3 0	14.0	71.1	36.8	35 200
		5.5	82.2	26.5	147 500*			7.3	82.6	41.7	108 300*
		6.0	81.0	26.4	134 600*			7.5	82.3	41.6	105 400*
		6.5	79.8	26.3	123 600*			8.0	81.6	41.6	97 800
		7.0	78.6	26.2	114 000*			8.5	80.9	41.5	89 900
		7.5	77.4	26.1	105 600*			9.0	80.1	41.4	81 200
		8.0	76.2	26.0	98 000			10.0	78.6	41.2	66 500
		8.5	75.0	25.8	88 500			11.0	77.2	40.9	55 800
		9.0	73.8	25.7	79 500			12.0	75.7	40.7	47 400
		10.0	71.3	25.3	65 200			13.0	74.2	40.4	40 700
2 7 4	9 0	5.8	82.5	29.6	139 700*	4 2 7	1 4 0	14.0	72.6	40.1	35 300
		6.0	82.0	29.5	134 700*			15.0	71.1	39.7	30 800
		6.5	81.0	29.4	123 500*			7.9	82.3	44.7	98 800*
		7.0	79.9	29.3	113 900*			8.0	82.2	44.6	97 600
		7.5	78.9	29.2	105 500*			8.5	81.5	44.6	89 600
		8.0	77.8	29.1	98 000			9.0	80.8	44.5	81 200
		8.5	76.7	29.0	88 900			10.0	79.5	44.3	66 600
		9.0	75.6	28.9	80 100			11.0	78.1	44.1	55 800
		10.0	73.4	28.6	65 600			12.0	76.7	43.8	47 500
3 0 5	1 0 0	6.1	82.7	32.6	132 400*	4 5 7	1 5 0	13.0	75.3	43.6	40 800
		6.5	81.9	32.5	123 800*			14.0	73.9	43.3	35 300
		7.0	80.9	32.5	114 000*			15.0	72.5	43.0	30 800
		7.5	80.0	32.4	105 600*			7.9	82.8	47.7	90 200*
		8.0	79.0	32.3	98 000			8.0	82.7	47.7	89 900*
		8.5	78.1	32.1	89 300			8.5	82.1	47.6	87 900*
		9.0	77.1	32.0	80 400			9.0	81.4	47.6	81 300
		10.0	75.1	31.7	65 900			10.0	80.2	47.4	66 700
		11.0	73.2	31.4	55 300			11.0	78.9	47.2	55 900
		12.0	71.2	31.1	47 000			12.0	77.6	47.0	47 500
3 3 5	1 1 0	6.7	82.3	35.6	119 300*	4 8 8	1 6 0	13.0	76.3	46.7	40 800
		7.0	81.8	35.5	114 100*			14.0	75.0	46.4	35 300
		7.5	80.9	35.5	105 500*			15.0	73.7	46.2	30 700
		8.0	80.0	35.4	97 900			16.0	72.4	45.8	26 900
		8.5	79.2	35.3	89 500			8.5	82.5	50.7	83 000*
		9.0	78.3	35.2	80 800			9.0	82.0	50.7	78 900
		10.0	76.5	34.9	66 200			10.0	80.8	50.5	66 700
		11.0	74.8	34.6	55 500			11.0	79.6	50.3	55 800
		12.0	73.0	34.3	47 100			12.0	78.4	50.1	47 400
		13.0	71.2	34.0	40 500			13.0	77.2	49.9	40 700
								14.0	76.0	49.6	35 200
								15.0	74.8	49.3	30 600
								16.0	73.5	49.0	26 800
								18.0	71.1	48.4	20 600

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BOOM NO. 22EL
LUFFING JIB NO. 135
65 360 kg COUNTERWEIGHT
8 585 mm CRAWLERS EXTENDED
360 DEGREE RATING

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	167 100*	3 6 6	1 2 0	6.7	82.9	38.7	119 200*
		5.0	82.5	23.5	163 100*			7.0	82.5	38.6	113 900*
		5.5	81.1	23.4	147 600*			7.5	81.7	38.6	105 200*
		6.0	79.7	23.3	134 600*			8.0	80.9	38.5	97 600
		6.5	78.4	23.2	123 500*			8.5	80.1	38.4	89 600
		7.0	77.0	23.1	113 800*			9.0	79.3	38.3	80 800
		7.5	75.6	23.0	105 300*			10.0	77.7	38.0	66 100
		8.0	74.2	22.8	97 600			11.0	76.1	37.8	55 300
		8.5	72.8	22.6	87 400			12.0	74.4	37.5	46 900
		9.0	71.3	22.5	78 400			13.0	72.8	37.2	40 200
2 4 4	8 0	10.0	68.4	22.1	64 100	3 9 6	1 3 0	14.0	71.1	36.8	34 700
		5.2	83.0	26.6	156 900*			15.0	69.5	36.5	30 100
		5.5	82.2	26.5	147 500*			16.0	67.8	36.1	26 300
		6.0	81.0	26.4	134 600*			7.3	82.6	41.7	108 200*
		6.5	79.8	26.3	123 400*			7.5	82.3	41.6	105 400*
		7.0	78.6	26.2	113 700*			8.0	81.6	41.6	97 700
		7.5	77.4	26.1	105 300*			8.5	80.9	41.5	89 800
		8.0	76.2	26.0	97 600			9.0	80.1	41.4	81 100
		8.5	75.0	25.8	88 100			10.0	78.6	41.2	66 300
		9.0	73.8	25.7	79 100			11.0	77.2	40.9	55 500
2 7 4	9 0	10.0	71.3	25.3	64 700	4 2 7	1 4 0	12.0	75.7	40.7	47 100
		11.0	68.8	24.9	54 100			13.0	74.2	40.4	40 400
		12.0	66.2	24.5	45 800			14.0	72.6	40.1	34 900
		5.8	82.5	29.6	139 700*			15.0	71.1	39.7	30 300
		6.0	82.0	29.5	134 700*			16.0	69.6	39.4	26 400
		6.5	81.0	29.4	123 400*			18.0	66.4	38.5	20 200
		7.0	79.9	29.3	113 800*			7.9	82.3	44.7	98 700*
		7.5	78.9	29.2	105 300*			8.0	82.2	44.6	97 500
		8.0	77.8	29.1	97 700			8.5	81.5	44.6	89 300
		8.5	76.7	29.0	88 600			9.0	80.8	44.5	81 000
3 0 5	1 0 0	9.0	75.6	28.9	79 700	4 5 7	1 5 0	10.0	79.5	44.3	66 400
		10.0	73.4	28.6	65 200			11.0	78.1	44.1	55 600
		11.0	71.2	28.2	54 500			12.0	76.7	43.8	47 200
		12.0	69.0	27.8	46 200			13.0	75.3	43.6	40 400
		13.0	66.7	27.4	39 500			14.0	73.9	43.3	34 900
		14.0	64.4	26.9	34 100			15.0	72.5	43.0	30 400
		6.1	82.7	32.6	132 400*			16.0	71.1	42.6	26 500
		6.5	81.9	32.5	123 800*			18.0	68.2	41.8	20 300
		7.0	80.9	32.5	113 800*			7.9	82.8	47.7	90 600*
		7.5	80.0	32.4	105 400*			8.0	82.7	47.7	90 200
3 3 5	1 1 0	8.0	79.0	32.3	97 800	4 8 8	1 6 0	8.5	82.1	47.6	88 100
		8.5	78.1	32.1	89 000			9.0	81.4	47.6	81 100
		9.0	77.1	32.0	80 200			10.0	80.2	47.4	66 600
		10.0	75.1	31.7	65 600			11.0	78.9	47.2	55 700
		11.0	73.2	31.4	54 900			12.0	77.6	47.0	47 200
		12.0	71.2	31.1	46 500			13.0	76.3	46.7	40 400
		13.0	69.2	30.7	39 900			14.0	75.0	46.4	34 900
		14.0	67.1	30.3	34 400			15.0	73.7	46.2	30 300
		15.0	65.1	29.8	29 900			16.0	72.4	45.8	26 400
		6.7	82.3	35.6	119 200*			18.0	69.7	45.1	20 200
3 6 5	1 1 0	7.0	81.8	35.5	114 000*			20.0	67.0	44.3	15 500
		7.5	80.9	35.5	105 300*	4 8 8	1 6 0	8.5	82.5	50.7	83 500*
		8.0	80.0	35.4	97 700			9.0	82.0	50.7	78 800
		8.5	79.2	35.3	89 400			10.0	80.8	50.5	66 400
		9.0	78.3	35.2	80 600			11.0	79.6	50.3	55 700
		10.0	76.5	34.9	65 900			12.0	78.4	50.1	47 200
		11.0	74.8	34.6	55 100			13.0	77.2	49.9	40 400
		12.0	73.0	34.3	46 700			14.0	76.0	49.6	34 900
		13.0	71.2	34.0	40 000			15.0	74.8	49.3	30 300
		14.0	69.3	33.6	34 600			16.0	73.5	49.0	26 400
		15.0	67.5	33.2	30 000			18.0	71.1	48.4	20 200
3 6 5	1 1 0	16.0	65.6	32.7	26 100			20.0	68.5	47.6	15 400
								22.0	66.0	46.7	11 600

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LUFFING JIB NO. 135

65 360 kg 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	165 100*	3 6 6	1 2 0	6.7	82.9	38.7	117 600*
		5.0	82.5	23.5	161 100*			7.0	82.5	38.6	112 400*
		5.5	81.1	23.4	145 800*			7.5	81.7	38.6	103 800*
		6.0	79.7	23.3	132 800*			8.0	80.9	38.5	96 200
		6.5	78.4	23.2	121 700*			8.5	80.1	38.4	87 800
		7.0	77.0	23.1	112 100*			9.0	79.3	38.3	79 100
		7.5	75.6	23.0	103 700*			10.0	77.7	38.0	64 500
		8.0	74.2	22.8	96 000			11.0	76.1	37.8	53 900
		8.5	72.8	22.6	85 500			12.0	74.4	37.5	45 600
		9.0	71.3	22.5	76 400			13.0	72.8	37.2	38 900
2 4 4	8 0	10.0	68.4	22.1	62 400	3 9 6	1 3 0	14.0	71.1	36.8	33 500
		5.2	83.0	26.6	155 100*			15.0	69.5	36.5	29 000
		5.5	82.2	26.5	145 700*			16.0	67.8	36.1	25 200
		6.0	81.0	26.4	132 800*			7.3	82.6	41.7	101 500*
		6.5	79.8	26.3	121 800*			7.5	82.3	41.6	100 300*
		7.0	78.6	26.2	112 100*			8.0	81.6	41.6	96 500
		7.5	77.4	26.1	103 700*			8.5	80.9	41.5	88 300
		8.0	76.2	26.0	96 000			9.0	80.1	41.4	79 400
		8.5	75.0	25.8	86 200			10.0	78.6	41.2	64 800
		9.0	73.8	25.7	77 200			11.0	77.2	40.9	54 100
2 7 4	9 0	10.0	71.3	25.3	63 000	4 2 7	1 4 0	12.0	75.7	40.7	45 800
		11.0	68.8	24.9	52 500			13.0	74.2	40.4	39 100
		12.0	66.2	24.5	44 300			14.0	72.6	40.1	33 800
		5.8	82.5	29.6	138 000*			15.0	71.1	39.7	29 200
		6.0	82.0	29.5	132 900*			16.0	69.6	39.4	25 400
		6.5	81.0	29.4	121 800*			18.0	66.4	38.5	19 300
		7.0	79.9	29.3	112 200*			7.9	82.3	44.7	93 300*
		7.5	78.9	29.2	103 800*			8.0	82.2	44.6	92 500
		8.0	77.8	29.1	96 100			8.5	81.5	44.6	87 300
		8.5	76.7	29.0	86 700			9.0	80.8	44.5	79 600
3 0 5	1 0 0	9.0	75.6	28.9	77 800	4 5 7	1 5 0	10.0	79.5	44.3	64 900
		10.0	73.4	28.6	63 600			11.0	78.1	44.1	54 200
		11.0	71.2	28.2	53 000			12.0	76.7	43.8	45 900
		12.0	69.0	27.8	44 800			13.0	75.3	43.6	39 200
		13.0	66.7	27.4	38 200			14.0	73.9	43.3	33 800
		14.0	64.4	26.9	32 800			15.0	72.5	43.0	29 300
		6.1	82.7	32.6	130 700*			16.0	71.1	42.6	25 400
		6.5	81.9	32.5	122 100*			18.0	68.2	41.8	19 300
		7.0	80.9	32.5	112 300*			7.9	82.8	47.7	81 600*
		7.5	80.0	32.4	103 900*			8.0	82.7	47.7	81 300*
3 3 5	1 1 0	8.0	79.0	32.3	96 300	4 8 8	1 6 0	8.5	82.1	47.6	79 600*
		8.5	78.1	32.1	87 200			9.0	81.4	47.6	77 300
		9.0	77.1	32.0	78 300			10.0	80.2	47.4	65 100
		10.0	75.1	31.7	64 000			11.0	78.9	47.2	54 300
		11.0	73.2	31.4	53 400			12.0	77.6	47.0	46 000
		12.0	71.2	31.1	45 200			13.0	76.3	46.7	39 300
		13.0	69.2	30.7	38 600			14.0	75.0	46.4	33 800
		14.0	67.1	30.3	33 200			15.0	73.7	46.2	29 300
		15.0	65.1	29.8	28 700			16.0	72.4	45.8	25 400
		6.7	82.3	35.6	117 700*			18.0	69.7	45.1	19 300
3 6 5	1 1 0	7.0	81.8	35.5	112 400*			20.0	67.0	44.3	14 600
		7.5	80.9	35.5	103 800*	4 8 8	1 6 0	8.5	82.5	50.7	72 600*
		8.0	80.0	35.4	96 200			9.0	82.0	50.7	72 600*
		8.5	79.2	35.3	87 600			10.0	80.8	50.5	65 300
		9.0	78.3	35.2	78 800			11.0	79.6	50.3	54 300
		10.0	76.5	34.9	64 300			12.0	78.4	50.1	46 000
		11.0	74.8	34.6	53 700			13.0	77.2	49.9	39 300
		12.0	73.0	34.3	45 400			14.0	76.0	49.6	33 800
		13.0	71.2	34.0	38 800			15.0	74.8	49.3	29 200
		14.0	69.3	33.6	33 400			16.0	73.5	49.0	25 400
		15.0	67.5	33.2	28 900			18.0	71.1	48.4	19 200
3 6 5	1 1 0	16.0	65.6	32.7	25 000			20.0	68.5	47.6	14 500
								22.0	66.0	46.7	10 800

MANITOWOC ENGINEERING CO.

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



LIFT CRANE BOOM CAPACITIES WITH LUFFING JIB ATTACHED

BRITISH
STANDARDS

888 SERIES 1

BOOM NO. 22EL
LUFFING JIB NO. 135
65 360 kg 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	166 600*	3 3 5	1 1 0	6.7	82.3	35.6	118 700*
		5.0	82.5	23.5	162 500*			7.0	81.8	35.5	113 300*
		5.5	81.1	23.4	146 900*			7.5	80.9	35.5	104 500*
		6.0	79.7	23.3	133 800*			8.0	80.0	35.4	96 900
		6.5	78.4	23.2	122 500*			8.5	79.2	35.3	88 500
		7.0	77.0	23.1	112 700*			9.0	78.3	35.2	79 700
		7.5	75.6	23.0	104 200*			10.0	76.5	34.9	64 800
		8.0	74.2	22.8	96 300			11.0	74.8	34.6	54 000
		8.5	72.8	22.6	86 000			12.0	73.0	34.3	45 600
		9.0	71.3	22.5	76 800			13.0	71.2	34.0	38 900
		10.0	68.4	22.1	62 500			14.0	69.3	33.6	33 300
		11.0	65.5	21.6	51 800			15.0	67.5	33.2	28 700
		12.0	62.5	21.1	43 500			16.0	65.6	32.7	24 900
		13.0	59.3	20.5	36 900			18.0	61.7	31.7	18 700
2 4 4	8 0	5.2	83.0	26.6	156 400*	3 6 6	1 2 0	6.7	82.9	38.7	118 600*
		5.5	82.2	26.5	146 900*			7.0	82.5	38.6	113 300*
		6.0	81.0	26.4	133 800*			7.5	81.7	38.6	104 500*
		6.5	79.8	26.3	122 600*			8.0	80.9	38.5	96 900
		7.0	78.6	26.2	112 800*			8.5	80.1	38.4	88 800
		7.5	77.4	26.1	104 300*			9.0	79.3	38.3	80 000
		8.0	76.2	26.0	96 500			10.0	77.7	38.0	65 100
		8.5	75.0	25.8	86 800			11.0	76.1	37.8	54 300
		9.0	73.8	25.7	77 800			12.0	74.4	37.5	45 800
		10.0	71.3	25.3	63 300			13.0	72.8	37.2	39 100
		11.0	68.8	24.9	52 500			14.0	71.1	36.8	33 600
		12.0	66.2	24.5	44 200			15.0	69.5	36.5	29 000
		13.0	63.5	24.0	37 600			16.0	67.8	36.1	25 100
		14.0	60.9	23.4	32 100			18.0	64.3	35.1	18 800
		15.0	58.1	22.8	27 600			20.0	60.7	34.0	14 100
2 7 4	9 0	5.8	82.5	29.6	139 200*	3 9 6	1 3 0	7.3	82.6	41.7	107 600*
		6.0	82.0	29.5	134 000*			7.5	82.3	41.6	104 800*
		6.5	81.0	29.4	122 700*			8.0	81.6	41.6	97 000
		7.0	79.9	29.3	113 000*			8.5	80.9	41.5	89 000
		7.5	78.9	29.2	104 400*			9.0	80.1	41.4	80 300
		8.0	77.8	29.1	96 700			10.0	78.6	41.2	65 500
		8.5	76.7	29.0	87 500			11.0	77.2	40.9	54 600
		9.0	75.6	28.9	78 600			12.0	75.7	40.7	46 100
		10.0	73.4	28.6	63 900			13.0	74.2	40.4	39 400
		11.0	71.2	28.2	53 200			14.0	72.6	40.1	33 800
		12.0	69.0	27.8	44 800			15.0	71.1	39.7	29 200
		13.0	66.7	27.4	38 100			16.0	69.6	39.4	25 300
		14.0	64.4	26.9	32 600			18.0	66.4	38.5	19 100
		15.0	62.0	26.4	28 100			20.0	63.2	37.5	14 300
		16.0	59.6	25.8	24 200			22.0	59.9	36.4	10 600
3 0 5	1 0 0	6.1	82.7	32.6	131 800*	4 2 7	1 4 0	7.9	82.3	44.7	98 100*
		6.5	81.9	32.5	123 100*			8.0	82.2	44.6	96 800
		7.0	80.9	32.5	113 100*			8.5	81.5	44.6	88 200
		7.5	80.0	32.4	104 600*			9.0	80.8	44.5	80 100
		8.0	79.0	32.3	96 900			10.0	79.5	44.3	65 600
		8.5	78.1	32.1	88 100			11.0	78.1	44.1	54 800
		9.0	77.1	32.0	79 100			12.0	76.7	43.8	46 300
		10.0	75.1	31.7	64 500			13.0	75.3	43.6	39 500
		11.0	73.2	31.4	53 700			14.0	73.9	43.3	33 900
		12.0	71.2	31.1	45 300			15.0	72.5	43.0	29 300
		13.0	69.2	30.7	38 600			16.0	71.1	42.6	25 400
		14.0	67.1	30.3	33 100			18.0	68.2	41.8	19 200
		15.0	65.1	29.8	28 500			20.0	65.3	40.9	14 400
		16.0	62.9	29.3	24 600			22.0	62.2	39.9	10 700
		18.0	58.6	28.1	18 500			24.0	59.1	38.7	7 600

MANITOWOC ENGINEERING CO.

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



LIFT CRANE BOOM CAPACITIES WITH LUFFING JIB ATTACHED

BRITISH
STANDARDS

888 SERIES 1

BOOM NO. 22EL

LUFFING JIB NO. 135

65 360 kg 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*	4 8 · 8	1 6 0	8.5	82.5	50.7	83 100*
		8.0	82.7	47.7	89 700			9.0	82.0	50.7	77 900
		8.5	82.1	47.6	87 000			10.0	80.8	50.5	65 400
		9.0	81.4	47.6	80 000			11.0	79.6	50.3	54 900
		10.0	80.2	47.4	65 900			12.0	78.4	50.1	46 400
		11.0	78.9	47.2	54 900			13.0	77.2	49.9	39 600
		12.0	77.6	47.0	46 300			14.0	76.0	49.6	34 000
		13.0	76.3	46.7	39 600			15.0	74.8	49.3	29 400
		14.0	75.0	46.4	34 000			16.0	73.5	49.0	25 400
		15.0	73.7	46.2	29 400			18.0	71.1	48.4	19 200
		16.0	72.4	45.8	25 500			20.0	68.5	47.6	14 400
		18.0	69.7	45.1	19 200			22.0	66.0	46.7	10 600
		20.0	67.0	44.3	14 400			24.0	63.4	45.7	7 500
		22.0	64.3	43.3	10 600			26.0	60.7	44.6	5 000
		24.0	61.4	42.3	7 500						

REFER ONLY

MANITOWOC ENGINEERING CO.

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



LIFT CRANE BOOM CAPACITIES WITH LUFFING JIB ATTACHED

BRITISH
STANDARDS

888 SERIES 1

BOOM NO. 22EL

LUFFING JIB NO. 135

65 360 kg 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	165 300*	3 3 5	1 1 0	6.7	82.3	35.6	117 600*
		5.0	82.5	23.5	161 200*			7.0	81.8	35.5	112 300*
		5.5	81.1	23.4	145 600*			7.5	80.9	35.5	103 600*
		6.0	79.7	23.3	132 500*			8.0	80.0	35.4	96 000
		6.5	78.4	23.2	121 300*			8.5	79.2	35.3	87 300
		7.0	77.0	23.1	111 600*			9.0	78.3	35.2	78 400
		7.5	75.6	23.0	103 100*			10.0	76.5	34.9	63 800
		8.0	74.2	22.8	95 200			11.0	74.8	34.6	53 000
		8.5	72.8	22.6	84 500			12.0	73.0	34.3	44 700
		9.0	71.3	22.5	75 300			13.0	71.2	34.0	38 000
		10.0	68.4	22.1	61 200			14.0	69.3	33.6	32 500
		11.0	65.5	21.6	50 600			15.0	67.5	33.2	28 000
		12.0	62.5	21.1	42 400			16.0	65.6	32.7	24 200
		13.0	59.3	20.5	35 900			18.0	61.7	31.7	18 000
2 4 4	8 0	5.2	83.0	26.6	155 200*	3 6 6	1 2 0	6.7	82.9	38.7	117 600*
		5.5	82.2	26.5	145 700*			7.0	82.5	38.6	112 300*
		6.0	81.0	26.4	132 700*			7.5	81.7	38.6	103 600*
		6.5	79.8	26.3	121 500*			8.0	80.9	38.5	96 000
		7.0	78.6	26.2	111 700*			8.5	80.1	38.4	87 600
		7.5	77.4	26.1	103 200*			9.0	79.3	38.3	78 800
		8.0	76.2	26.0	95 400			10.0	77.7	38.0	64 100
		8.5	75.0	25.8	85 400			11.0	76.1	37.8	53 300
		9.0	73.8	25.7	76 400			12.0	74.4	37.5	44 900
		10.0	71.3	25.3	62 000			13.0	72.8	37.2	38 300
		11.0	68.8	24.9	51 400			14.0	71.1	36.8	32 800
		12.0	66.2	24.5	43 200			15.0	69.5	36.5	28 200
		13.0	63.5	24.0	36 600			16.0	67.8	36.1	24 400
		14.0	60.9	23.4	31 200			18.0	64.3	35.1	18 200
		15.0	58.1	22.8	26 700			20.0	60.7	34.0	13 500
2 7 4	9 0	5.8	82.5	29.6	138 000*	3 9 6	1 3 0	7.3	82.6	41.7	106 700*
		6.0	82.0	29.5	132 900*			7.5	82.3	41.6	103 800*
		6.5	81.0	29.4	121 600*			8.0	81.6	41.6	96 100
		7.0	79.9	29.3	111 900*			8.5	80.9	41.5	88 000
		7.5	78.9	29.2	103 400*			9.0	80.1	41.4	79 200
		8.0	77.8	29.1	95 700			10.0	78.6	41.2	64 400
		8.5	76.7	29.0	86 200			11.0	77.2	40.9	53 700
		9.0	75.6	28.9	77 200			12.0	75.7	40.7	45 200
		10.0	73.4	28.6	62 800			13.0	74.2	40.4	38 500
		11.0	71.2	28.2	52 100			14.0	72.6	40.1	33 100
		12.0	69.0	27.8	43 800			15.0	71.1	39.7	28 500
		13.0	66.7	27.4	37 200			16.0	69.6	39.4	24 600
		14.0	64.4	26.9	31 800			18.0	66.4	38.5	18 400
		15.0	62.0	26.4	27 200			20.0	63.2	37.5	13 700
		16.0	59.6	25.8	23 400			22.0	59.9	36.4	10 000
3 0 5	1 0 0	6.1	82.7	32.6	130 700*	4 2 7	1 4 0	7.9	82.3	44.7	97 200*
		6.5	81.9	32.5	122 000*			8.0	82.2	44.6	96 000
		7.0	80.9	32.5	112 100*			8.5	81.5	44.6	88 200
		7.5	80.0	32.4	103 600*			9.0	80.8	44.5	79 500
		8.0	79.0	32.3	95 900			10.0	79.5	44.3	64 600
		8.5	78.1	32.1	86 800			11.0	78.1	44.1	53 800
		9.0	77.1	32.0	77 900			12.0	76.7	43.8	45 400
		10.0	75.1	31.7	63 300			13.0	75.3	43.6	38 700
		11.0	73.2	31.4	52 700			14.0	73.9	43.3	33 200
		12.0	71.2	31.1	44 300			15.0	72.5	43.0	28 600
		13.0	69.2	30.7	37 700			16.0	71.1	42.6	24 800
		14.0	67.1	30.3	32 300			18.0	68.2	41.8	18 600
		15.0	65.1	29.8	27 700			20.0	65.3	40.9	13 800
		16.0	62.9	29.3	23 900			22.0	62.2	39.9	10 100
		18.0	58.6	28.1	17 700			24.0	59.1	38.7	7 100

MANITOWOC ENGINEERING CO.

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



LIFT CRANE BOOM CAPACITIES WITH LUFFING JIB ATTACHED

BRITISH
STANDARDS

888 SERIES 1

BOOM NO. 22EL

LUFFING JIB NO. 135

65 360 kg 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*	4 8 · 8	1 6 0	8.5	82.5	50.7	85 100*
		8.0	82.7	47.7	91 100			9.0	82.0	50.7	79 000
		8.5	82.1	47.6	88 100			10.0	80.8	50.5	64 900
		9.0	81.4	47.6	80 200			11.0	79.6	50.3	54 100
		10.0	80.2	47.4	64 800			12.0	78.4	50.1	45 600
		11.0	78.9	47.2	54 000			13.0	77.2	49.9	38 800
		12.0	77.6	47.0	45 500			14.0	76.0	49.6	33 300
		13.0	76.3	46.7	38 800			15.0	74.8	49.3	28 700
		14.0	75.0	46.4	33 300			16.0	73.5	49.0	24 800
		15.0	73.7	46.2	28 700			18.0	71.1	48.4	18 600
		16.0	72.4	45.8	24 800			20.0	68.5	47.6	13 800
		18.0	69.7	45.1	18 600			22.0	66.0	46.7	10 100
		20.0	67.0	44.3	13 800			24.0	63.4	45.7	7 000
		22.0	64.3	43.3	10 100			26.0	60.7	44.6	4 500
		24.0	61.4	42.3	7 000						

REFER ONLY

MANITOWOC ENGINEERING CO.

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



LIFT CRANE BOOM CAPACITIES WITH LUFFING JIB ATTACHED

BRITISH
STANDARDS

888 SERIES 1

BOOM NO. 22EL
LUFFING JIB NO. 135
65 360 kg 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	163 200*	3 3 5	1 1 0	6.7	82.3	35.6	116 000*
		5.0	82.5	23.5	159 200*			7.0	81.8	35.5	110 700*
		5.5	81.1	23.4	143 700*			7.5	80.9	35.5	102 000*
		6.0	79.7	23.3	130 700*			8.0	80.0	35.4	94 400
		6.5	78.4	23.2	119 500*			8.5	79.2	35.3	85 400
		7.0	77.0	23.1	109 800*			9.0	78.3	35.2	76 500
		7.5	75.6	23.0	101 200			10.0	76.5	34.9	62 100
		8.0	74.2	22.8	93 200			11.0	74.8	34.6	51 400
		8.5	72.8	22.6	82 300			12.0	73.0	34.3	43 200
		9.0	71.3	22.5	73 200			13.0	71.2	34.0	36 600
		10.0	68.4	22.1	59 200			14.0	69.3	33.6	31 200
		11.0	65.5	21.6	48 800			15.0	67.5	33.2	26 700
		12.0	62.5	21.1	40 700			16.0	65.6	32.7	22 900
		13.0	59.3	20.5	34 200			18.0	61.7	31.7	16 700
2 4 4	8 0	5.2	83.0	26.6	153 300*	3 6 6	1 2 0	6.7	82.9	38.7	116 000*
		5.5	82.2	26.5	143 900*			7.0	82.5	38.6	110 700*
		6.0	81.0	26.4	130 800*			7.5	81.7	38.6	102 100*
		6.5	79.8	26.3	119 700*			8.0	80.9	38.5	94 500
		7.0	78.6	26.2	110 000*			8.5	80.1	38.4	85 800
		7.5	77.4	26.1	101 500*			9.0	79.3	38.3	77 000
		8.0	76.2	26.0	93 800			10.0	77.7	38.0	62 400
		8.5	75.0	25.8	83 400			11.0	76.1	37.8	51 800
		9.0	73.8	25.7	74 300			12.0	74.4	37.5	43 500
		10.0	71.3	25.3	60 200			13.0	72.8	37.2	36 900
		11.0	68.8	24.9	49 700			14.0	71.1	36.8	31 400
		12.0	66.2	24.5	41 500			15.0	69.5	36.5	27 000
		13.0	63.5	24.0	35 000			16.0	67.8	36.1	23 100
		14.0	60.9	23.4	29 600			18.0	64.3	35.1	17 000
		15.0	58.1	22.8	25 200			20.0	60.7	34.0	12 300
2 7 4	9 0	5.8	82.5	29.6	136 200*	3 9 6	1 3 0	7.3	82.6	41.7	105 200*
		6.0	82.0	29.5	131 100*			7.5	82.3	41.6	102 300*
		6.5	81.0	29.4	119 900*			8.0	81.6	41.6	94 600
		7.0	79.9	29.3	110 200*			8.5	80.9	41.5	86 200
		7.5	78.9	29.2	101 800*			9.0	80.1	41.4	77 400
		8.0	77.8	29.1	94 100			10.0	78.6	41.2	62 800
		8.5	76.7	29.0	84 200			11.0	77.2	40.9	52 100
		9.0	75.6	28.9	75 200			12.0	75.7	40.7	43 800
		10.0	73.4	28.6	61 000			13.0	74.2	40.4	37 200
		11.0	71.2	28.2	50 400			14.0	72.6	40.1	31 800
		12.0	69.0	27.8	42 200			15.0	71.1	39.7	27 200
		13.0	66.7	27.4	35 600			16.0	69.6	39.4	23 400
		14.0	64.4	26.9	30 300			18.0	66.4	38.5	17 300
		15.0	62.0	26.4	25 800			20.0	63.2	37.5	12 600
		16.0	59.6	25.8	22 000			22.0	59.9	36.4	8 900
3 0 5	1 0 0	6.1	82.7	32.6	129 000*	4 2 7	1 4 0	7.9	82.3	44.7	95 700*
		6.5	81.9	32.5	120 400*			8.0	82.2	44.6	94 500
		7.0	80.9	32.5	110 500*			8.5	81.5	44.6	86 400
		7.5	80.0	32.4	102 000*			9.0	80.8	44.5	77 700
		8.0	79.0	32.3	94 400			10.0	79.5	44.3	63 100
		8.5	78.1	32.1	84 900			11.0	78.1	44.1	52 400
		9.0	77.1	32.0	75 900			12.0	76.7	43.8	44 000
		10.0	75.1	31.7	61 600			13.0	75.3	43.6	37 400
		11.0	73.2	31.4	51 000			14.0	73.9	43.3	31 900
		12.0	71.2	31.1	42 800			15.0	72.5	43.0	27 400
		13.0	69.2	30.7	36 200			16.0	71.1	42.6	23 600
		14.0	67.1	30.3	30 800			18.0	68.2	41.8	17 500
		15.0	65.1	29.8	26 400			20.0	65.3	40.9	12 800
		16.0	62.9	29.3	22 500			22.0	62.2	39.9	9 100
		18.0	58.6	28.1	16 500			24.0	59.1	38.7	6 100

MANITOWOC ENGINEERING CO.

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



LIFT CRANE BOOM CAPACITIES WITH LUFFING JIB ATTACHED

BRITISH
STANDARDS

888 SERIES 1

BOOM NO. 22EL

LUFFING JIB NO. 135

65 360 kg 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*	4 8 · 8	1 6 0	8.5	82.5	50.7	83 500*
		8.0	82.7	47.7	89 500			9.0	82.0	50.7	77 400
		8.5	82.1	47.6	86 300			10.0	80.8	50.5	63 400
		9.0	81.4	47.6	78 500			11.0	79.6	50.3	52 600
		10.0	80.2	47.4	63 300			12.0	78.4	50.1	44 300
		11.0	78.9	47.2	52 500			13.0	77.2	49.9	37 600
		12.0	77.6	47.0	44 200			14.0	76.0	49.6	32 100
		13.0	76.3	46.7	37 500			15.0	74.8	49.3	27 500
		14.0	75.0	46.4	32 000			16.0	73.5	49.0	23 600
		15.0	73.7	46.2	27 500			18.0	71.1	48.4	17 500
		16.0	72.4	45.8	23 600			20.0	68.5	47.6	12 800
		18.0	69.7	45.1	17 500			22.0	66.0	46.7	9 100
		20.0	67.0	44.3	12 800			24.0	63.4	45.7	6 100
		22.0	64.3	43.3	9 100						
		24.0	61.4	42.3	6 100						

REFER ONLY

MANITOWOC ENGINEERING CO.

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



LIFT CRANE BOOM CAPACITIES WITH LUFFING JIB ATTACHED

BRITISH
STANDARDS

888 SERIES 1

BOOM NO. 22EL
LUFFING JIB NO. 135
65 360 kg 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	165 900*	3 3 5	1 1 0	6.7	82.3	35.6	117 900*
		5.0	82.5	23.5	161 800*			7.0	81.8	35.5	112 500*
		5.5	81.1	23.4	145 900*			7.5	80.9	35.5	103 700*
		6.0	79.7	23.3	132 600*			8.0	80.0	35.4	95 900
		6.5	78.4	23.2	121 200*			8.5	79.2	35.3	87 400
		7.0	77.0	23.1	111 300*			9.0	78.3	35.2	78 400
		7.5	75.6	23.0	102 600*			10.0	76.5	34.9	63 500
		8.0	74.2	22.8	94 600			11.0	74.8	34.6	52 600
		8.5	72.8	22.6	83 800			12.0	73.0	34.3	44 000
		9.0	71.3	22.5	74 500			13.0	71.2	34.0	37 300
		10.0	68.4	22.1	60 200			14.0	69.3	33.6	31 700
		11.0	65.5	21.6	49 400			15.0	67.5	33.2	27 100
		12.0	62.5	21.1	41 000			16.0	65.6	32.7	23 100
		13.0	59.3	20.5	34 300			18.0	61.7	31.7	16 900
		14.0	56.1	19.8	28 900			20.0	57.7	30.4	12 100
		15.0	52.7	19.0	24 300			22.0	53.5	29.0	8 300
2 4 4	8 0	5.2	83.0	26.6	155 800*	3 6 6	1 2 0	6.7	82.9	38.7	118 000*
		5.5	82.2	26.5	146 200*			7.0	82.5	38.6	112 600*
		6.0	81.0	26.4	132 900*			7.5	81.7	38.6	103 700*
		6.5	79.8	26.3	121 500*			8.0	80.9	38.5	96 000
		7.0	78.6	26.2	111 600*			8.5	80.1	38.4	87 800
		7.5	77.4	26.1	103 000*			9.0	79.3	38.3	78 900
		8.0	76.2	26.0	95 100			10.0	77.7	38.0	63 900
		8.5	75.0	25.8	85 000			11.0	76.1	37.8	53 000
		9.0	73.8	25.7	75 800			12.0	74.4	37.5	44 400
		10.0	71.3	25.3	61 300			13.0	72.8	37.2	37 600
		11.0	68.8	24.9	50 400			14.0	71.1	36.8	32 100
		12.0	66.2	24.5	42 000			15.0	69.5	36.5	27 400
		13.0	63.5	24.0	35 300			16.0	67.8	36.1	23 500
		14.0	60.9	23.4	29 800			18.0	64.3	35.1	17 200
		15.0	58.1	22.8	25 200			20.0	60.7	34.0	12 400
		16.0	55.2	22.1	21 400			22.0	57.0	32.8	8 600
								24.0	53.2	31.3	5 500
2 7 4	9 0	5.8	82.5	29.6	138 400*	3 9 6	1 3 0	7.3	82.6	41.7	106 900*
		6.0	82.0	29.5	133 200*			7.5	82.3	41.6	104 000*
		6.5	81.0	29.4	121 800*			8.0	81.6	41.6	96 200
		7.0	79.9	29.3	111 900*			8.5	80.9	41.5	88 300
		7.5	78.9	29.2	103 300*			9.0	80.1	41.4	79 400
		8.0	77.8	29.1	95 400			10.0	78.6	41.2	64 400
		8.5	76.7	29.0	86 000			11.0	77.2	40.9	53 400
		9.0	75.6	28.9	76 900			12.0	75.7	40.7	44 800
		10.0	73.4	28.6	62 200			13.0	74.2	40.4	38 000
		11.0	71.2	28.2	51 400			14.0	72.6	40.1	32 400
		12.0	69.0	27.8	42 900			15.0	71.1	39.7	27 800
		13.0	66.7	27.4	36 100			16.0	69.6	39.4	23 900
		14.0	64.4	26.9	30 600			18.0	66.4	38.5	17 500
		15.0	62.0	26.4	26 000			20.0	63.2	37.5	12 700
		16.0	59.6	25.8	22 100			22.0	59.9	36.4	8 900
		18.0	54.5	24.4	15 800			24.0	56.4	35.1	5 900
3 0 5	1 0 0	6.1	82.7	32.6	131 100*	4 2 7	1 4 0	7.9	82.3	44.7	97 400*
		6.5	81.9	32.5	122 300*			8.0	82.2	44.6	96 200
		7.0	80.9	32.5	112 200*			8.5	81.5	44.6	88 600
		7.5	80.0	32.4	103 600*			9.0	80.8	44.5	79 700
		8.0	79.0	32.3	95 800			10.0	79.5	44.3	64 700
		8.5	78.1	32.1	86 700			11.0	78.1	44.1	53 700
		9.0	77.1	32.0	77 700			12.0	76.7	43.8	45 100
		10.0	75.1	31.7	62 900			13.0	75.3	43.6	38 300
		11.0	73.2	31.4	52 000			14.0	73.9	43.3	32 700
		12.0	71.2	31.1	43 600			15.0	72.5	43.0	28 000
		13.0	69.2	30.7	36 800			16.0	71.1	42.6	24 000
		14.0	67.1	30.3	31 300			18.0	68.2	41.8	17 800
		15.0	65.1	29.8	26 700			20.0	65.3	40.9	13 000
		16.0	62.9	29.3	22 700			22.0	62.2	39.9	9 200
		18.0	58.6	28.1	16 500			24.0	59.1	38.7	6 100

MANITOWOC ENGINEERING CO.

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



LIFT CRANE BOOM CAPACITIES WITH LUFFING JIB ATTACHED

BRITISH
STANDARDS

888 SERIES 1

BOOM NO. 22EL

LUFFING JIB NO. 135

65 360 kg 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
4 5 · 7	1 5 0	7.9	82.8	47.7	93 200*	4 8 · 8	1 6 0	8.5	82.5	50.7	86 900*
		8.0	82.7	47.7	92 600			9.0	82.0	50.7	79 700
		8.5	82.1	47.6	88 300			10.0	80.8	50.5	65 000
		9.0	81.4	47.6	80 300			11.0	79.6	50.3	54 000
		10.0	80.2	47.4	64 900			12.0	78.4	50.1	45 400
		11.0	78.9	47.2	53 800			13.0	77.2	49.9	38 500
		12.0	77.6	47.0	45 300			14.0	76.0	49.6	32 900
		13.0	76.3	46.7	38 400			15.0	74.8	49.3	28 200
		14.0	75.0	46.4	32 800			16.0	73.5	49.0	24 200
		15.0	73.7	46.2	28 100			18.0	71.1	48.4	17 900
		16.0	72.4	45.8	24 200			20.0	68.5	47.6	13 100
		18.0	69.7	45.1	17 800			22.0	66.0	46.7	9 200
		20.0	67.0	44.3	13 000			24.0	63.4	45.7	6 100
		22.0	64.3	43.3	9 200						
		24.0	61.4	42.3	6 100						

REFER ONLY

MANITOWOC ENGINEERING CO.

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



LIFT CRANE BOOM CAPACITIES WITH LUFFING JIB ATTACHED

BRITISH
STANDARDS

888 SERIES 1

BOOM NO. 22EL

LUFFING JIB NO. 135

65 360 kg 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	164 300*	3 3 5	1 1 0	6.7	82.3	35.6	116 500*
		5.0	82.5	23.5	160 100*			7.0	81.8	35.5	111 100*
		5.5	81.1	23.4	144 300*			7.5	80.9	35.5	102 300*
		6.0	79.7	23.3	131 000*			8.0	80.0	35.4	94 600
		6.5	78.4	23.2	119 600*			8.5	79.2	35.3	85 800
		7.0	77.0	23.1	109 700*			9.0	78.3	35.2	76 800
		7.5	75.6	23.0	101 000			10.0	76.5	34.9	62 000
		8.0	74.2	22.8	93 000			11.0	74.8	34.6	51 100
		8.5	72.8	22.6	81 900			12.0	73.0	34.3	42 700
		9.0	71.3	22.5	72 500			13.0	71.2	34.0	36 000
		10.0	68.4	22.1	58 300			14.0	69.3	33.6	30 400
		11.0	65.5	21.6	47 600			15.0	67.5	33.2	25 800
		12.0	62.5	21.1	39 300			16.0	65.6	32.7	21 900
		13.0	59.3	20.5	32 700			18.0	61.7	31.7	15 700
		14.0	56.1	19.8	27 300			20.0	57.7	30.4	10 900
		15.0	52.7	19.0	22 700			22.0	53.5	29.0	7 200
2 4 4	8 0	5.2	83.0	26.6	154 200*	3 6 6	1 2 0	6.7	82.9	38.7	116 700*
		5.5	82.2	26.5	144 600*			7.0	82.5	38.6	111 300*
		6.0	81.0	26.4	131 300*			7.5	81.7	38.6	102 400*
		6.5	79.8	26.3	120 000*			8.0	80.9	38.5	94 700
		7.0	78.6	26.2	110 100*			8.5	80.1	38.4	86 300
		7.5	77.4	26.1	101 500*			9.0	79.3	38.3	77 400
		8.0	76.2	26.0	93 500			10.0	77.7	38.0	62 500
		8.5	75.0	25.8	83 200			11.0	76.1	37.8	51 600
		9.0	73.8	25.7	74 000			12.0	74.4	37.5	43 100
		10.0	71.3	25.3	59 600			13.0	72.8	37.2	36 400
		11.0	68.8	24.9	48 800			14.0	71.1	36.8	30 900
		12.0	66.2	24.5	40 500			15.0	69.5	36.5	26 200
		13.0	63.5	24.0	33 800			16.0	67.8	36.1	22 300
		14.0	60.9	23.4	28 400			18.0	64.3	35.1	16 100
		15.0	58.1	22.8	23 800			20.0	60.7	34.0	11 300
		16.0	55.2	22.1	19 900			22.0	57.0	32.8	7 500
								24.0	53.2	31.3	4 500
2 7 4	9 0	5.8	82.5	29.6	136 900*	3 9 6	1 3 0	7.3	82.6	41.7	105 600*
		6.0	82.0	29.5	131 700*			7.5	82.3	41.6	102 700*
		6.5	81.0	29.4	120 300*			8.0	81.6	41.6	94 900
		7.0	79.9	29.3	110 400*			8.5	80.9	41.5	86 700
		7.5	78.9	29.2	101 800*			9.0	80.1	41.4	77 900
		8.0	77.8	29.1	94 000			10.0	78.6	41.2	63 000
		8.5	76.7	29.0	84 300			11.0	77.2	40.9	52 000
		9.0	75.6	28.9	75 100			12.0	75.7	40.7	43 500
		10.0	73.4	28.6	60 600			13.0	74.2	40.4	36 800
		11.0	71.2	28.2	49 800			14.0	72.6	40.1	31 300
		12.0	69.0	27.8	41 400			15.0	71.1	39.7	26 600
		13.0	66.7	27.4	34 700			16.0	69.6	39.4	22 700
		14.0	64.4	26.9	29 200			18.0	66.4	38.5	16 400
		15.0	62.0	26.4	24 600			20.0	63.2	37.5	11 700
		16.0	59.6	25.8	20 700			22.0	59.9	36.4	7 900
		18.0	54.5	24.4	14 600			24.0	56.4	35.1	4 900
3 0 5	1 0 0	6.1	82.7	32.6	129 700*	4 2 7	1 4 0	7.9	82.3	44.7	96 100*
		6.5	81.9	32.5	120 900*			8.0	82.2	44.6	94 900
		7.0	80.9	32.5	110 800*			8.5	81.5	44.6	87 100
		7.5	80.0	32.4	102 200*			9.0	80.8	44.5	78 300
		8.0	79.0	32.3	94 400			10.0	79.5	44.3	63 300
		8.5	78.1	32.1	85 100			11.0	78.1	44.1	52 300
		9.0	77.1	32.0	76 000			12.0	76.7	43.8	43 900
		10.0	75.1	31.7	61 400			13.0	75.3	43.6	37 000
		11.0	73.2	31.4	50 600			14.0	73.9	43.3	31 500
		12.0	71.2	31.1	42 200			15.0	72.5	43.0	26 900
		13.0	69.2	30.7	35 500			16.0	71.1	42.6	23 000
		14.0	67.1	30.3	29 900			18.0	68.2	41.8	16 700
		15.0	65.1	29.8	25 400			20.0	65.3	40.9	11 900
		16.0	62.9	29.3	21 500			22.0	62.2	39.9	8 100
		18.0	58.6	28.1	15 300			24.0	59.1	38.7	5 100

MANITOWOC ENGINEERING CO.

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



LIFT CRANE BOOM CAPACITIES WITH LUFFING JIB ATTACHED

BRITISH
STANDARDS

888 SERIES 1

BOOM NO. 22EL

LUFFING JIB NO. 135

65 360 kg 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
4 5 · 7	1 5 0	7.9	82.8	47.7	91 900*	4 8 · 8	1 6 0	8.5	82.5	50.7	85 500*
		8.0	82.7	47.7	91 300			9.0	82.0	50.7	78 300
		8.5	82.1	47.6	86 800			10.0	80.8	50.5	63 800
		9.0	81.4	47.6	78 900			11.0	79.6	50.3	52 800
		10.0	80.2	47.4	63 600			12.0	78.4	50.1	44 200
		11.0	78.9	47.2	52 600			13.0	77.2	49.9	37 300
		12.0	77.6	47.0	44 100			14.0	76.0	49.6	31 800
		13.0	76.3	46.7	37 300			15.0	74.8	49.3	27 100
		14.0	75.0	46.4	31 700			16.0	73.5	49.0	23 200
		15.0	73.7	46.2	27 000			18.0	71.1	48.4	16 900
		16.0	72.4	45.8	23 100			20.0	68.5	47.6	12 100
		18.0	69.7	45.1	16 800			22.0	66.0	46.7	8 300
		20.0	67.0	44.3	12 000			24.0	63.4	45.7	5 200
		22.0	64.3	43.3	8 200						
		24.0	61.4	42.3	5 100						

REFER ONLY

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LIFT CRANE BOOM CAPACITIES WITH LUFFING JIB ATTACHED

BRITISH
STANDARDS

888 SERIES 1

BOOM NO. 22EL
LUFFING JIB NO. 135
65 360 kg 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	163 100*	3 3 5	1 1 0	6.7	82.3	35.6	115 600*
		5.0	82.5	23.5	158 900*			7.0	81.8	35.5	110 200*
		5.5	81.1	23.4	143 100*			7.5	80.9	35.5	101 400*
		6.0	79.7	23.3	129 900*			8.0	80.0	35.4	93 700
		6.5	78.4	23.2	118 400*			8.5	79.2	35.3	84 600
		7.0	77.0	23.1	108 600*			9.0	78.3	35.2	75 600
		7.5	75.6	23.0	99 800			10.0	76.5	34.9	61 000
		8.0	74.2	22.8	91 400			11.0	74.8	34.6	50 100
		8.5	72.8	22.6	80 400			12.0	73.0	34.3	41 800
		9.0	71.3	22.5	71 100			13.0	71.2	34.0	35 100
		10.0	68.4	22.1	57 000			14.0	69.3	33.6	29 600
		11.0	65.5	21.6	46 400			15.0	67.5	33.2	25 000
		12.0	62.5	21.1	38 100			16.0	65.6	32.7	21 100
		13.0	59.3	20.5	31 500			18.0	61.7	31.7	14 900
		14.0	56.1	19.8	26 100			20.0	57.7	30.4	10 200
		15.0	52.7	19.0	21 600			22.0	53.5	29.0	6 500
2 4 4	8 0	5.2	83.0	26.6	153 100*	3 6 6	1 2 0	6.7	82.9	38.7	115 700*
		5.5	82.2	26.5	143 500*			7.0	82.5	38.6	110 300*
		6.0	81.0	26.4	130 300*			7.5	81.7	38.6	101 500*
		6.5	79.8	26.3	118 900*			8.0	80.9	38.5	93 800
		7.0	78.6	26.2	109 000*			8.5	80.1	38.4	85 100
		7.5	77.4	26.1	100 400*			9.0	79.3	38.3	76 200
		8.0	76.2	26.0	92 500			10.0	77.7	38.0	61 400
		8.5	75.0	25.8	81 800			11.0	76.1	37.8	50 600
		9.0	73.8	25.7	72 600			12.0	74.4	37.5	42 200
		10.0	71.3	25.3	58 300			13.0	72.8	37.2	35 500
		11.0	68.8	24.9	47 600			14.0	71.1	36.8	30 000
		12.0	66.2	24.5	39 300			15.0	69.5	36.5	25 400
		13.0	63.5	24.0	32 700			16.0	67.8	36.1	21 500
		14.0	60.9	23.4	27 300			18.0	64.3	35.1	15 300
		15.0	58.1	22.8	22 800			20.0	60.7	34.0	10 600
		16.0	55.2	22.1	19 000			22.0	57.0	32.8	6 900
								24.0	53.2	31.3	3 800
2 7 4	9 0	5.8	82.5	29.6	135 800*	3 9 6	1 3 0	7.3	82.6	41.7	104 800*
		6.0	82.0	29.5	130 700*			7.5	82.3	41.6	101 900*
		6.5	81.0	29.4	119 300*			8.0	81.6	41.6	94 000
		7.0	79.9	29.3	109 400*			8.5	80.9	41.5	85 600
		7.5	78.9	29.2	100 800*			9.0	80.1	41.4	76 800
		8.0	77.8	29.1	93 000			10.0	78.6	41.2	62 000
		8.5	76.7	29.0	83 000			11.0	77.2	40.9	51 100
		9.0	75.6	28.9	73 800			12.0	75.7	40.7	42 700
		10.0	73.4	28.6	59 400			13.0	74.2	40.4	36 000
		11.0	71.2	28.2	48 700			14.0	72.6	40.1	30 400
		12.0	69.0	27.8	40 300			15.0	71.1	39.7	25 900
		13.0	66.7	27.4	33 700			16.0	69.6	39.4	21 900
		14.0	64.4	26.9	28 200			18.0	66.4	38.5	15 800
		15.0	62.0	26.4	23 700			20.0	63.2	37.5	11 000
		16.0	59.6	25.8	19 800			22.0	59.9	36.4	7 300
		18.0	54.5	24.4	13 700			24.0	56.4	35.1	4 200
3 0 5	1 0 0	6.1	82.7	32.6	128 600*	4 2 7	1 4 0	7.9	82.3	44.7	95 300*
		6.5	81.9	32.5	119 900*			8.0	82.2	44.6	94 100
		7.0	80.9	32.5	109 800*			8.5	81.5	44.6	86 000
		7.5	80.0	32.4	101 300*			9.0	80.8	44.5	77 200
		8.0	79.0	32.3	93 500			10.0	79.5	44.3	62 300
		8.5	78.1	32.1	83 900			11.0	78.1	44.1	51 400
		9.0	77.1	32.0	74 800			12.0	76.7	43.8	43 000
		10.0	75.1	31.7	60 300			13.0	75.3	43.6	36 300
		11.0	73.2	31.4	49 500			14.0	73.9	43.3	30 800
		12.0	71.2	31.1	41 200			15.0	72.5	43.0	26 100
		13.0	69.2	30.7	34 500			16.0	71.1	42.6	22 300
		14.0	67.1	30.3	29 000			18.0	68.2	41.8	16 000
		15.0	65.1	29.8	24 500			20.0	65.3	40.9	11 300
		16.0	62.9	29.3	20 600			22.0	62.2	39.9	7 500
		18.0	58.6	28.1	14 500			24.0	59.1	38.7	4 500

MANITOWOC ENGINEERING CO.

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



LIFT CRANE BOOM CAPACITIES WITH LUFFING JIB ATTACHED

BRITISH
STANDARDS

888 SERIES 1

BOOM NO. 22EL

LUFFING JIB NO. 135

65 360 kg 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
4 5 · 7	1 5 0	7.9	82.8	47.7	91 100*	4 8 · 8	1 6 0	8.5	82.5	50.7	84 500*
		8.0	82.7	47.7	90 400			9.0	82.0	50.7	77 200
		8.5	82.1	47.6	85 600			10.0	80.8	50.5	62 800
		9.0	81.4	47.6	77 700			11.0	79.6	50.3	51 900
		10.0	80.2	47.4	62 600			12.0	78.4	50.1	43 400
		11.0	78.9	47.2	51 700			13.0	77.2	49.9	36 600
		12.0	77.6	47.0	43 200			14.0	76.0	49.6	31 100
		13.0	76.3	46.7	36 500			15.0	74.8	49.3	26 400
		14.0	75.0	46.4	30 900			16.0	73.5	49.0	22 500
		15.0	73.7	46.2	26 300			18.0	71.1	48.4	16 300
		16.0	72.4	45.8	22 400			20.0	68.5	47.6	11 500
		18.0	69.7	45.1	16 200			22.0	66.0	46.7	7 700
		20.0	67.0	44.3	11 400			24.0	63.4	45.7	4 700
		22.0	64.3	43.3	7 600						
		24.0	61.4	42.3	4 600						

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LIFT CRANE BOOM CAPACITIES WITH LUFFING JIB ATTACHED

BRITISH
STANDARDS

888 SERIES 1

BOOM NO. 22EL
LUFFING JIB NO. 135
65 360 kg COUNTERWEIGHT
8 585 mm CRAWLERS EXTENDED
360 DEGREE RATING

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	161 300*	3 3 5	1 1 0	6.7	82.3	35.6	114 200*
		5.0	82.5	23.5	157 200*			7.0	81.8	35.5	108 800*
		5.5	81.1	23.4	141 400*			7.5	80.9	35.5	100 000*
		6.0	79.7	23.3	128 200*			8.0	80.0	35.4	92 200
		6.5	78.4	23.2	116 800*			8.5	79.2	35.3	82 900
		7.0	77.0	23.1	106 900*			9.0	78.3	35.2	73 900
		7.5	75.6	23.0	98 100			10.0	76.5	34.9	59 400
		8.0	74.2	22.8	89 200			11.0	74.8	34.6	48 700
		8.5	72.8	22.6	78 200			12.0	73.0	34.3	40 300
		9.0	71.3	22.5	69 100			13.0	71.2	34.0	33 700
		10.0	68.4	22.1	55 000			14.0	69.3	33.6	28 200
		11.0	65.5	21.6	44 500			15.0	67.5	33.2	23 700
		12.0	62.5	21.1	36 300			16.0	65.6	32.7	19 800
		13.0	59.3	20.5	29 800			18.0	61.7	31.7	13 700
		14.0	56.1	19.8	24 500			20.0	57.7	30.4	9 000
		15.0	52.7	19.0	20 000			22.0	53.5	29.0	5 300
2 4 4	8 0	5.2	83.0	26.6	151 400*	3 6 6	1 2 0	6.7	82.9	38.7	114 300*
		5.5	82.2	26.5	141 800*			7.0	82.5	38.6	109 000*
		6.0	81.0	26.4	128 600*			7.5	81.7	38.6	100 200*
		6.5	79.8	26.3	117 300*			8.0	80.9	38.5	92 400
		7.0	78.6	26.2	107 500*			8.5	80.1	38.4	83 500
		7.5	77.4	26.1	98 800*			9.0	79.3	38.3	74 500
		8.0	76.2	26.0	90 900			10.0	77.7	38.0	60 000
		8.5	75.0	25.8	79 900			11.0	76.1	37.8	49 200
		9.0	73.8	25.7	70 600			12.0	74.4	37.5	40 800
		10.0	71.3	25.3	56 500			13.0	72.8	37.2	34 200
		11.0	68.8	24.9	45 900			14.0	71.1	36.8	28 700
		12.0	66.2	24.5	37 700			15.0	69.5	36.5	24 200
		13.0	63.5	24.0	31 100			16.0	67.8	36.1	20 300
		14.0	60.9	23.4	25 700			18.0	64.3	35.1	14 200
		15.0	58.1	22.8	21 200			20.0	60.7	34.0	9 500
		16.0	55.2	22.1	17 400			22.0	57.0	32.8	5 700
2 7 4	9 0	5.8	82.5	29.6	134 300*	3 9 6	1 3 0	7.3	82.6	41.7	103 400*
		6.0	82.0	29.5	129 100*			7.5	82.3	41.6	100 500*
		6.5	81.0	29.4	117 700*			8.0	81.6	41.6	92 700
		7.0	79.9	29.3	107 900*			8.5	80.9	41.5	84 000
		7.5	78.9	29.2	99 300*			9.0	80.1	41.4	75 200
		8.0	77.8	29.1	91 500			10.0	78.6	41.2	60 500
		8.5	76.7	29.0	81 100			11.0	77.2	40.9	49 700
		9.0	75.6	28.9	72 000			12.0	75.7	40.7	41 400
		10.0	73.4	28.6	57 700			13.0	74.2	40.4	34 700
		11.0	71.2	28.2	47 000			14.0	72.6	40.1	29 200
		12.0	69.0	27.8	38 800			15.0	71.1	39.7	24 700
		13.0	66.7	27.4	32 200			16.0	69.6	39.4	20 800
		14.0	64.4	26.9	26 800			18.0	66.4	38.5	14 600
		15.0	62.0	26.4	22 200			20.0	63.2	37.5	9 900
		16.0	59.6	25.8	18 400			22.0	59.9	36.4	6 200
		18.0	54.5	24.4	12 300			24.0	56.4	35.1	3 200
3 0 5	1 0 0	6.1	82.7	32.6	127 100*	4 2 7	1 4 0	7.9	82.3	44.7	94 000*
		6.5	81.9	32.5	118 400*			8.0	82.2	44.6	92 800
		7.0	80.9	32.5	108 400*			8.5	81.5	44.6	84 400
		7.5	80.0	32.4	99 800*			9.0	80.8	44.5	75 600
		8.0	79.0	32.3	92 000			10.0	79.5	44.3	60 900
		8.5	78.1	32.1	82 100			11.0	78.1	44.1	50 100
		9.0	77.1	32.0	73 000			12.0	76.7	43.8	41 700
		10.0	75.1	31.7	58 600			13.0	75.3	43.6	35 000
		11.0	73.2	31.4	48 000			14.0	73.9	43.3	29 500
		12.0	71.2	31.1	39 700			15.0	72.5	43.0	25 000
		13.0	69.2	30.7	33 000			16.0	71.1	42.6	21 100
		14.0	67.1	30.3	27 600			18.0	68.2	41.8	14 900
		15.0	65.1	29.8	23 100			20.0	65.3	40.9	10 200
		16.0	62.9	29.3	19 300			22.0	62.2	39.9	6 500
		18.0	58.6	28.1	13 200			24.0	59.1	38.7	3 500

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LIFT CRANE BOOM CAPACITIES WITH LUFFING JIB ATTACHED

BRITISH
STANDARDS

888 SERIES 1

BOOM NO. 22EL

LUFFING JIB NO. 135

65 360 kg COUNTERWEIGHT

8 585 mm CRAWLERS EXTENDED

360 DEGREE RATING

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
4 5 · 7	1 5 0	7.9	82.8	47.7	89 500*	4 8 · 8	1 6 0	8.5	82.5	50.7	82 500*
		8.0	82.7	47.7	88 800			9.0	82.0	50.7	75 600
		8.5	82.1	47.6	84 100			10.0	80.8	50.5	61 500
		9.0	81.4	47.6	76 200			11.0	79.6	50.3	50 600
		10.0	80.2	47.4	61 200			12.0	78.4	50.1	42 200
		11.0	78.9	47.2	50 400			13.0	77.2	49.9	35 400
		12.0	77.6	47.0	42 000			14.0	76.0	49.6	29 900
		13.0	76.3	46.7	35 200			15.0	74.8	49.3	25 300
		14.0	75.0	46.4	29 800			16.0	73.5	49.0	21 400
		15.0	73.7	46.2	25 200			18.0	71.1	48.4	15 200
		16.0	72.4	45.8	21 300			20.0	68.5	47.6	10 500
		18.0	69.7	45.1	15 100			22.0	66.0	46.7	6 700
		20.0	67.0	44.3	10 300			24.0	63.4	45.7	3 700
		22.0	64.3	43.3	6 600						
		24.0	61.4	42.3	3 600						

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LIFT CRANE BOOM CAPACITIES WITH LUFFING JIB ATTACHED

BRITISH
STANDARDS

888 SERIES 1

BOOM NO. 22EL
LUFFING JIB NO. 135
65 360 kg 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	159 700*	3 3 5	1 1 0	6.7	82.3	35.6	112 800*
		5.0	82.5	23.5	155 500*			7.0	81.8	35.5	107 500*
		5.5	81.1	23.4	139 800*			7.5	80.9	35.5	98 700*
		6.0	79.7	23.3	126 600*			8.0	80.0	35.4	90 900
		6.5	78.4	23.2	115 200*			8.5	79.2	35.3	81 300
		7.0	77.0	23.1	105 400*			9.0	78.3	35.2	72 300
		7.5	75.6	23.0	96 400			10.0	76.5	34.9	57 900
		8.0	74.2	22.8	87 100			11.0	74.8	34.6	47 300
		8.5	72.8	22.6	76 200			12.0	73.0	34.3	39 000
		9.0	71.3	22.5	67 200			13.0	71.2	34.0	32 400
		10.0	68.4	22.1	53 200			14.0	69.3	33.6	27 000
		11.0	65.5	21.6	42 800			15.0	67.5	33.2	22 500
		12.0	62.5	21.1	34 700			16.0	65.6	32.7	18 700
		13.0	59.3	20.5	28 200			18.0	61.7	31.7	12 600
		14.0	56.1	19.8	22 900			20.0	57.7	30.4	7 900
		15.0	52.7	19.0	18 500			22.0	53.5	29.0	4 300
2 4 4	8 0	5.2	83.0	26.6	149 900*	3 6 6	1 2 0	6.7	82.9	38.7	113 000*
		5.5	82.2	26.5	140 300*			7.0	82.5	38.6	107 700*
		6.0	81.0	26.4	127 100*			7.5	81.7	38.6	98 900*
		6.5	79.8	26.3	115 800*			8.0	80.9	38.5	91 200
		7.0	78.6	26.2	106 000*			8.5	80.1	38.4	81 900
		7.5	77.4	26.1	97 300			9.0	79.3	38.3	73 000
		8.0	76.2	26.0	88 900			10.0	77.7	38.0	58 500
		8.5	75.0	25.8	78 000			11.0	76.1	37.8	47 900
		9.0	73.8	25.7	68 800			12.0	74.4	37.5	39 600
		10.0	71.3	25.3	54 800			13.0	72.8	37.2	33 000
		11.0	68.8	24.9	44 300			14.0	71.1	36.8	27 500
		12.0	66.2	24.5	36 100			15.0	69.5	36.5	23 100
		13.0	63.5	24.0	29 600			16.0	67.8	36.1	19 200
		14.0	60.9	23.4	24 300			18.0	64.3	35.1	13 100
		15.0	58.1	22.8	19 900			20.0	60.7	34.0	8 400
		16.0	55.2	22.1	16 100			22.0	57.0	32.8	4 800
2 7 4	9 0	5.8	82.5	29.6	132 900*	3 9 6	1 3 0	7.3	82.6	41.7	102 200*
		6.0	82.0	29.5	127 700*			7.5	82.3	41.6	99 300*
		6.5	81.0	29.4	116 300*			8.0	81.6	41.6	91 500
		7.0	79.9	29.3	106 500*			8.5	80.9	41.5	82 600
		7.5	78.9	29.2	97 900*			9.0	80.1	41.4	73 700
		8.0	77.8	29.1	90 100			10.0	78.6	41.2	59 100
		8.5	76.7	29.0	79 400			11.0	77.2	40.9	48 500
		9.0	75.6	28.9	70 200			12.0	75.7	40.7	40 200
		10.0	73.4	28.6	56 100			13.0	74.2	40.4	33 500
		11.0	71.2	28.2	45 600			14.0	72.6	40.1	28 100
		12.0	69.0	27.8	37 300			15.0	71.1	39.7	23 500
		13.0	66.7	27.4	30 800			16.0	69.6	39.4	19 700
		14.0	64.4	26.9	25 400			18.0	66.4	38.5	13 600
		15.0	62.0	26.4	20 900			20.0	63.2	37.5	8 900
		16.0	59.6	25.8	17 200			22.0	59.9	36.4	5 200
		18.0	54.5	24.4	11 100						
3 0 5	1 0 0	6.1	82.7	32.6	125 700*	4 2 7	1 4 0	7.9	82.3	44.7	92 800*
		6.5	81.9	32.5	117 000*			8.0	82.2	44.6	91 600
		7.0	80.9	32.5	107 000*			8.5	81.5	44.6	83 000
		7.5	80.0	32.4	98 500*			9.0	80.8	44.5	74 100
		8.0	79.0	32.3	90 700			10.0	79.5	44.3	59 600
		8.5	78.1	32.1	80 400			11.0	78.1	44.1	48 900
		9.0	77.1	32.0	71 300			12.0	76.7	43.8	40 500
		10.0	75.1	31.7	57 100			13.0	75.3	43.6	33 900
		11.0	73.2	31.4	46 500			14.0	73.9	43.3	28 400
		12.0	71.2	31.1	38 300			15.0	72.5	43.0	23 900
		13.0	69.2	30.7	31 700			16.0	71.1	42.6	20 100
		14.0	67.1	30.3	26 400			18.0	68.2	41.8	13 900
		15.0	65.1	29.8	21 900			20.0	65.3	40.9	9 300
		16.0	62.9	29.3	18 100			22.0	62.2	39.9	5 600
		18.0	58.6	28.1	12 000						

MANITOWOC ENGINEERING CO.

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



LIFT CRANE BOOM CAPACITIES WITH LUFFING JIB ATTACHED

BRITISH
STANDARDS

888 SERIES 1

BOOM NO. 22EL

LUFFING JIB NO. 135

65 360 kg 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
4 5 7	1 5 0	7.9	82.8	47.7	87 700*	4 8 8	1 6 0	8.5	82.5	50.7	80 700*
		8.0	82.7	47.7	87 000			9.0	82.0	50.7	74 100
		8.5	82.1	47.6	82 500			10.0	80.8	50.5	60 300
		9.0	81.4	47.6	74 800			11.0	79.6	50.3	49 400
		10.0	80.2	47.4	60 000			12.0	78.4	50.1	41 000
		11.0	78.9	47.2	49 200			13.0	77.2	49.9	34 400
		12.0	77.6	47.0	40 800			14.0	76.0	49.6	28 900
		13.0	76.3	46.7	34 200			15.0	74.8	49.3	24 300
		14.0	75.0	46.4	28 700			16.0	73.5	49.0	20 500
		15.0	73.7	46.2	24 100			18.0	71.1	48.4	14 300
		16.0	72.4	45.8	20 300			20.0	68.5	47.6	9 600
		18.0	69.7	45.1	14 100			22.0	66.0	46.7	5 900
		20.0	67.0	44.3	9 400						
		22.0	64.3	43.3	5 700						

REFER ONLY