

LIFT CRANE BOOM CAPACITIES WITH LUFFING JIB ATTACHED

EUROPEAN
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 DIN 15018, ISO 4305, AND EN 2022 STANDARDS AND INCLUDE FACTORS BASED ON 4.5 DEGREE MINIMUM TIPPING ANGLE. 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 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. 7865-A, AND LUFFING JIB RAISING PROCEDURE CHART NO. 7867-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. A SURFACE AREA OF 1.2 m²/t OF RATED LOAD HAS BEEN INCLUDED IN CAPACITY DETERMINATION. WIND WILL HAVE A CONSIDERABLE EFFECT ON A LOAD. LOADS WITH A SURFACE AREA GREATER THAN 1.2 m²/t OF RATED LOAD MUST BE COMPENSATED FOR ACCORDINGLY BY REDUCING LOAD RATINGS, REDUCING OPERATING SPEEDS OR BY A COMBINATION OF BOTH. RECOMMEND STOPPING OPERATION WHEN WIND IS ABOVE OPERATING CONDITIONS STATED 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.

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 - 42.7	21.3 - 51.8	45.7	48.8
45.7	21.3 - 45.7	48.8	45.7 - 48.8
48.8	21.3 - 42.7		

CONSULT CHART NO. 7873-AM FOR LUFFING JIB CAPACITIES

MANITOWOC ENGINEERING CO.

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



LIFT CRANE BOOM CAPACITIES WITH LUFFING JIB ATTACHED

EUROPEAN
STANDARDS

888 SERIES 1

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	165 600*	3 6 6	1 2 0	6.7	82.9	38.7	85 000
		5.0	82.5	23.5	161 400			7.0	82.5	38.6	80 700
		5.5	81.1	23.4	142 100			7.5	81.7	38.6	73 600
		6.0	79.7	23.3	125 100			8.0	80.9	38.5	67 600
		6.5	78.4	23.2	111 300			8.5	80.1	38.4	62 400
		7.0	77.0	23.1	99 900			9.0	79.3	38.3	57 700
		7.5	75.6	23.0	90 300			10.0	77.7	38.0	49 700
		8.0	74.2	22.8	82 200			11.0	76.1	37.8	43 100
		8.5	72.8	22.6	75 100			12.0	74.4	37.5	37 700
		9.0	71.3	22.5	68 900			13.0	72.8	37.2	33 100
								14.0	71.1	36.8	29 100
2 4 4	8 0	5.2	83.0	26.6	145 600	3 9 6	1 3 0	7.3	82.6	41.7	73 100
		5.5	82.2	26.5	133 900			7.5	82.3	41.6	71 000
		6.0	81.0	26.4	118 500			8.0	81.6	41.6	65 200
		6.5	79.8	26.3	105 900			8.5	80.9	41.5	60 200
		7.0	78.6	26.2	95 300			9.0	80.1	41.4	55 800
		7.5	77.4	26.1	86 400			10.0	78.6	41.2	48 100
		8.0	76.2	26.0	78 700			11.0	77.2	40.9	41 900
		8.5	75.0	25.8	72 100			12.0	75.7	40.7	36 600
		9.0	73.8	25.7	66 300			13.0	74.2	40.4	32 200
		10.0	71.3	25.3	56 500			14.0	72.6	40.1	28 400
2 7 4	9 0	5.8	82.5	29.6	118 200	4 2 7	1 4 0	7.9	82.3	44.7	63 600
		6.0	82.0	29.5	112 800			8.0	82.2	44.6	62 900
		6.5	81.0	29.4	101 000			8.5	81.5	44.6	58 100
		7.0	79.9	29.3	91 200			9.0	80.8	44.5	53 800
		7.5	78.9	29.2	82 900			10.0	79.5	44.3	46 600
		8.0	77.8	29.1	75 800			11.0	78.1	44.1	40 600
		8.5	76.7	29.0	69 500			12.0	76.7	43.8	35 600
		9.0	75.6	28.9	64 000			13.0	75.3	43.6	31 300
		10.0	73.4	28.6	54 700			14.0	73.9	43.3	27 600
3 0 5	1 0 0	6.1	82.7	32.6	105 400	4 5 7	1 5 0	7.9	82.8	47.7	61 300
		6.5	81.9	32.5	97 200			8.0	82.7	47.7	60 600
		7.0	80.9	32.5	87 800			8.5	82.1	47.6	56 100
		7.5	80.0	32.4	80 000			9.0	81.4	47.6	52 000
		8.0	79.0	32.3	73 200			10.0	80.2	47.4	45 000
		8.5	78.1	32.1	67 400			11.0	78.9	47.2	39 300
		9.0	77.1	32.0	62 100			12.0	77.6	47.0	34 400
		10.0	75.1	31.7	53 300			13.0	76.3	46.7	30 300
		11.0	73.2	31.4	46 200			14.0	75.0	46.4	26 700
3 3 5	1 1 0	12.0	71.2	31.1	40 300			15.0	73.7	46.2	23 600
		6.7	82.3	35.6	88 900	4 8 8	1 6 0	16.0	72.4	45.8	20 800
		7.0	81.8	35.5	84 300			8.5	82.5	50.7	53 600
		7.5	80.9	35.5	76 800			9.0	82.0	50.7	50 100
		8.0	80.0	35.4	70 400			10.0	80.8	50.5	43 400
		8.5	79.2	35.3	64 900			11.0	79.6	50.3	37 900
		9.0	78.3	35.2	59 900			12.0	78.4	50.1	33 100
		10.0	76.5	34.9	51 500			13.0	77.2	49.9	29 100
		11.0	74.8	34.6	44 700			14.0	76.0	49.6	25 700
		12.0	73.0	34.3	39 000			15.0	74.8	49.3	22 600
		13.0	71.2	34.0	34 300			16.0	73.5	49.0	19 900
								18.0	71.1	48.4	15 400

MANITOWOC ENGINEERING CO.

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



LIFT CRANE BOOM CAPACITIES WITH LUFFING JIB ATTACHED

EUROPEAN
STANDARDS

888 SERIES 1

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	165 700*	3 6 6	1 2 0	6.7	82.9	38.7	84 700
		5.0	82.5	23.5	161 300			7.0	82.5	38.6	80 400
		5.5	81.1	23.4	141 800			7.5	81.7	38.6	73 300
		6.0	79.7	23.3	124 700			8.0	80.9	38.5	67 300
		6.5	78.4	23.2	110 800			8.5	80.1	38.4	62 000
		7.0	77.0	23.1	99 300			9.0	79.3	38.3	57 200
		7.5	75.6	23.0	89 700			10.0	77.7	38.0	49 200
		8.0	74.2	22.8	81 400			11.0	76.1	37.8	42 600
		8.5	72.8	22.6	74 300			12.0	74.4	37.5	37 100
		9.0	71.3	22.5	68 100			13.0	72.8	37.2	32 500
2 4 4	8 0	10.0	68.4	22.1	57 800	3 9 6	1 3 0	14.0	71.1	36.8	28 600
								15.0	69.5	36.5	25 100
								16.0	67.8	36.1	22 100
		5.2	83.0	26.6	145 500			7.3	82.6	41.7	72 800
		5.5	82.2	26.5	133 700			7.5	82.3	41.6	70 700
		6.0	81.0	26.4	118 200			8.0	81.6	41.6	64 900
		6.5	79.8	26.3	105 400			8.5	80.9	41.5	59 800
		7.0	78.6	26.2	94 800			9.0	80.1	41.4	55 300
		7.5	77.4	26.1	85 800			10.0	78.6	41.2	47 700
		8.0	76.2	26.0	78 100			11.0	77.2	40.9	41 400
2 7 4	9 0	8.5	75.0	25.8	71 400	4 2 7	1 4 0	12.0	75.7	40.7	36 100
		9.0	73.8	25.7	65 600			13.0	74.2	40.4	31 600
		10.0	71.3	25.3	55 800			14.0	72.6	40.1	27 800
		11.0	68.8	24.9	48 000			15.0	71.1	39.7	24 500
		12.0	66.2	24.5	41 500			16.0	69.6	39.4	21 500
		5.8	82.5	29.6	118 000			18.0	66.4	38.5	16 700
		6.0	82.0	29.5	112 500	4 5 7	1 5 0	7.9	82.3	44.7	63 300
		6.5	81.0	29.4	100 700			8.0	82.2	44.6	62 600
		7.0	79.9	29.3	90 800			8.5	81.5	44.6	57 800
		7.5	78.9	29.2	82 500			9.0	80.8	44.5	53 500
		8.0	77.8	29.1	75 300			10.0	79.5	44.3	46 200
		8.5	76.7	29.0	68 900			11.0	78.1	44.1	40 100
		9.0	75.6	28.9	63 400			12.0	76.7	43.8	35 100
		10.0	73.4	28.6	54 100			13.0	75.3	43.6	30 800
		11.0	71.2	28.2	46 600			14.0	73.9	43.3	27 000
		12.0	69.0	27.8	40 500			15.0	72.5	43.0	23 800
3 0 5	1 0 0	13.0	66.7	27.4	35 300	4 8 8	1 6 0	16.0	71.1	42.6	20 900
		14.0	64.4	26.9	30 900			18.0	68.2	41.8	16 200
		6.1	82.7	32.6	105 100			7.9	82.8	47.7	61 000
		6.5	81.9	32.5	96 900			8.0	82.7	47.7	60 300
		7.0	80.9	32.5	87 400			8.5	82.1	47.6	55 700
		7.5	80.0	32.4	79 600			9.0	81.4	47.6	51 700
		8.0	79.0	32.3	72 800			10.0	80.2	47.4	44 700
		8.5	78.1	32.1	66 900			11.0	78.9	47.2	38 900
		9.0	77.1	32.0	61 600			12.0	77.6	47.0	34 000
		10.0	75.1	31.7	52 700			13.0	76.3	46.7	29 800
3 3 5	1 1 0	11.0	73.2	31.4	45 600			14.0	75.0	46.4	26 100
		12.0	71.2	31.1	39 700			15.0	73.7	46.2	23 000
		13.0	69.2	30.7	34 700			16.0	72.4	45.8	20 200
		14.0	67.1	30.3	30 400			18.0	69.7	45.1	15 600
		15.0	65.1	29.8	26 800			20.0	67.0	44.3	11 800
		6.7	82.3	35.6	88 700	4 8 8	1 6 0	8.5	82.5	50.7	53 300
		7.0	81.8	35.5	84 000			9.0	82.0	50.7	49 800
		7.5	80.9	35.5	76 400			10.0	80.8	50.5	43 000
		8.0	80.0	35.4	70 100			11.0	79.6	50.3	37 500
		8.5	79.2	35.3	64 400			12.0	78.4	50.1	32 700
		9.0	78.3	35.2	59 400			13.0	77.2	49.9	28 700
		10.0	76.5	34.9	51 000			14.0	76.0	49.6	25 200
		11.0	74.8	34.6	44 100			15.0	74.8	49.3	22 100
		12.0	73.0	34.3	38 400			16.0	73.5	49.0	19 400
		13.0	71.2	34.0	33 600			18.0	71.1	48.4	14 900
		14.0	69.3	33.6	29 500			20.0	68.5	47.6	11 200
		15.0	67.5	33.2	26 000			22.0	66.0	46.7	8 200
		16.0	65.6	32.7	22 800						

MANITOWOC ENGINEERING CO.

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



LIFT CRANE BOOM CAPACITIES WITH LUFFING JIB ATTACHED

EUROPEAN
STANDARDS

888 SERIES 1

BOOM NO. 22EL
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	163 700*	3 6 6	1 2 0	6.7	82.9	38.7	83 000
		5.0	82.5	23.5	159 000			7.0	82.5	38.6	78 700
		5.5	81.1	23.4	139 000			7.5	81.7	38.6	71 600
		6.0	79.7	23.3	122 100			8.0	80.9	38.5	65 700
		6.5	78.4	23.2	108 400			8.5	80.1	38.4	60 400
		7.0	77.0	23.1	97 000			9.0	79.3	38.3	55 800
		7.5	75.6	23.0	87 500			10.0	77.7	38.0	47 800
		8.0	74.2	22.8	79 300			11.0	76.1	37.8	41 300
		8.5	72.8	22.6	72 300			12.0	74.4	37.5	35 900
		9.0	71.3	22.5	66 200			13.0	72.8	37.2	31 300
2 4 4	8 0	10.0	68.4	22.1	56 000	3 9 6	1 3 0	14.0	71.1	36.8	27 400
								15.0	69.5	36.5	24 000
								16.0	67.8	36.1	21 000
		5.2	83.0	26.6	142 700			7.3	82.6	41.7	71 200
		5.5	82.2	26.5	131 100			7.5	82.3	41.6	69 100
		6.0	81.0	26.4	115 800			8.0	81.6	41.6	63 300
		6.5	79.8	26.3	103 200			8.5	80.9	41.5	58 400
		7.0	78.6	26.2	92 700			9.0	80.1	41.4	53 900
		7.5	77.4	26.1	83 800			10.0	78.6	41.2	46 300
		8.0	76.2	26.0	76 200			11.0	77.2	40.9	40 100
2 7 4	9 0	8.5	75.0	25.8	69 600	4 2 7	1 4 0	12.0	75.7	40.7	34 900
		9.0	73.8	25.7	63 800			13.0	74.2	40.4	30 500
		10.0	71.3	25.3	54 100			14.0	72.6	40.1	26 600
		11.0	68.8	24.9	46 400			15.0	71.1	39.7	23 400
		12.0	66.2	24.5	40 000			16.0	69.6	39.4	20 500
								18.0	66.4	38.5	15 700
		5.8	82.5	29.6	115 600			7.9	82.3	44.7	61 800
		6.0	82.0	29.5	110 200			8.0	82.2	44.6	61 100
		6.5	81.0	29.4	98 600			8.5	81.5	44.6	56 300
		7.0	79.9	29.3	88 800			9.0	80.8	44.5	52 100
3 0 5	1 0 0	7.5	78.9	29.2	80 600	4 5 7	1 5 0	10.0	79.5	44.3	44 800
		8.0	77.8	29.1	73 400			11.0	78.1	44.1	38 900
		8.5	76.7	29.0	67 200			12.0	76.7	43.8	33 900
		9.0	75.6	28.9	61 700			13.0	75.3	43.6	29 600
		10.0	73.4	28.6	52 500			14.0	73.9	43.3	25 900
		11.0	71.2	28.2	45 100			15.0	72.5	43.0	22 700
		12.0	69.0	27.8	39 000			16.0	71.1	42.6	19 900
		13.0	66.7	27.4	33 900			18.0	68.2	41.8	15 200
		14.0	64.4	26.9	29 600						
								7.9	82.8	47.7	59 600
3 3 5	1 1 0	6.1	82.7	32.6	103 100	4 8 8	1 6 0	8.0	82.7	47.7	58 900
		6.5	81.9	32.5	94 800			8.5	82.1	47.6	54 300
		7.0	80.9	32.5	85 500			9.0	81.4	47.6	50 300
		7.5	80.0	32.4	77 800			10.0	80.2	47.4	43 400
		8.0	79.0	32.3	71 100			11.0	78.9	47.2	37 600
		8.5	78.1	32.1	65 200			12.0	77.6	47.0	32 800
		9.0	77.1	32.0	60 000			13.0	76.3	46.7	28 700
		10.0	75.1	31.7	51 200			14.0	75.0	46.4	25 100
		11.0	73.2	31.4	44 100			15.0	73.7	46.2	22 000
		12.0	71.2	31.1	38 300			16.0	72.4	45.8	19 200
3 3 5	1 1 0	13.0	69.2	30.7	33 400			18.0	69.7	45.1	14 600
		14.0	67.1	30.3	29 200			20.0	67.0	44.3	10 900
		15.0	65.1	29.8	25 600						
		6.7	82.3	35.6	86 800			8.5	82.5	50.7	52 000
		7.0	81.8	35.5	82 200			9.0	82.0	50.7	48 400
		7.5	80.9	35.5	74 700			10.0	80.8	50.5	41 800
		8.0	80.0	35.4	68 400			11.0	79.6	50.3	36 300
		8.5	79.2	35.3	62 800			12.0	78.4	50.1	31 600
		9.0	78.3	35.2	57 900			13.0	77.2	49.9	27 600
		10.0	76.5	34.9	49 500			14.0	76.0	49.6	24 100
3 3 5	1 1 0	11.0	74.8	34.6	42 700			15.0	74.8	49.3	21 100
		12.0	73.0	34.3	37 100			16.0	73.5	49.0	18 400
		13.0	71.2	34.0	32 400			18.0	71.1	48.4	13 900
		14.0	69.3	33.6	28 300			20.0	68.5	47.6	10 300
		15.0	67.5	33.2	24 800			22.0	66.0	46.7	7 300
		16.0	65.6	32.7	21 700						

MANITOWOC ENGINEERING CO.

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



LIFT CRANE BOOM CAPACITIES WITH LUFFING JIB ATTACHED

EUROPEAN
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	165 100*	3 3 5	1 1 0	6.7	82.3	35.6	87 600
		5.0	82.5	23.5	160 400			7.0	81.8	35.5	82 900
		5.5	81.1	23.4	140 300			7.5	80.9	35.5	75 300
		6.0	79.7	23.3	123 100			8.0	80.0	35.4	68 900
		6.5	78.4	23.2	109 100			8.5	79.2	35.3	63 200
		7.0	77.0	23.1	97 600			9.0	78.3	35.2	58 200
		7.5	75.6	23.0	87 900			10.0	76.5	34.9	49 700
		8.0	74.2	22.8	79 600			11.0	74.8	34.6	42 800
		8.5	72.8	22.6	72 400			12.0	73.0	34.3	37 000
		9.0	71.3	22.5	66 100			13.0	71.2	34.0	32 200
		10.0	68.4	22.1	55 800			14.0	69.3	33.6	28 100
		11.0	65.5	21.6	47 600			15.0	67.5	33.2	24 500
		12.0	62.5	21.1	40 800			16.0	65.6	32.7	21 300
		13.0	59.3	20.5	35 200			18.0	61.7	31.7	16 200
2 4 4	8 0	5.2	83.0	26.6	144 300	3 6 6	1 2 0	6.7	82.9	38.7	83 800
		5.5	82.2	26.5	132 400			7.0	82.5	38.6	79 400
		6.0	81.0	26.4	116 800			7.5	81.7	38.6	72 200
		6.5	79.8	26.3	104 000			8.0	80.9	38.5	66 200
		7.0	78.6	26.2	93 300			8.5	80.1	38.4	60 800
		7.5	77.4	26.1	84 300			9.0	79.3	38.3	56 100
		8.0	76.2	26.0	76 500			10.0	77.7	38.0	48 000
		8.5	75.0	25.8	69 800			11.0	76.1	37.8	41 400
		9.0	73.8	25.7	63 900			12.0	74.4	37.5	35 800
		10.0	71.3	25.3	54 000			13.0	72.8	37.2	31 100
		11.0	68.8	24.9	46 200			14.0	71.1	36.8	27 200
		12.0	66.2	24.5	39 700			15.0	69.5	36.5	23 700
		13.0	63.5	24.0	34 300			16.0	67.8	36.1	20 700
		14.0	60.9	23.4	29 800			18.0	64.3	35.1	15 600
		15.0	58.1	22.8	25 900			20.0	60.7	34.0	11 600
2 7 4	9 0	5.8	82.5	29.6	116 800	3 9 6	1 3 0	7.3	82.6	41.7	71 900
		6.0	82.0	29.5	111 300			7.5	82.3	41.6	69 700
		6.5	81.0	29.4	99 400			8.0	81.6	41.6	63 900
		7.0	79.9	29.3	89 500			8.5	80.9	41.5	58 800
		7.5	78.9	29.2	81 100			9.0	80.1	41.4	54 300
		8.0	77.8	29.1	73 800			10.0	78.6	41.2	46 500
		8.5	76.7	29.0	67 500			11.0	77.2	40.9	40 200
		9.0	75.6	28.9	61 900			12.0	75.7	40.7	34 900
		10.0	73.4	28.6	52 500			13.0	74.2	40.4	30 400
		11.0	71.2	28.2	45 000			14.0	72.6	40.1	26 500
		12.0	69.0	27.8	38 800			15.0	71.1	39.7	23 200
		13.0	66.7	27.4	33 600			16.0	69.6	39.4	20 200
		14.0	64.4	26.9	29 200			18.0	66.4	38.5	15 300
		15.0	62.0	26.4	25 400			20.0	63.2	37.5	11 400
		16.0	59.6	25.8	22 100			22.0	59.9	36.4	8 100
3 0 5	1 0 0	6.1	82.7	32.6	104 100	4 2 7	1 4 0	7.9	82.3	44.7	62 300
		6.5	81.9	32.5	95 700			8.0	82.2	44.6	61 600
		7.0	80.9	32.5	86 200			8.5	81.5	44.6	56 800
		7.5	80.0	32.4	78 300			9.0	80.8	44.5	52 400
		8.0	79.0	32.3	71 500			10.0	79.5	44.3	45 100
		8.5	78.1	32.1	65 500			11.0	78.1	44.1	39 000
		9.0	77.1	32.0	60 200			12.0	76.7	43.8	33 900
		10.0	75.1	31.7	51 300			13.0	75.3	43.6	29 500
		11.0	73.2	31.4	44 100			14.0	73.9	43.3	25 800
		12.0	71.2	31.1	38 100			15.0	72.5	43.0	22 600
		13.0	69.2	30.7	33 100			16.0	71.1	42.6	19 700
		14.0	67.1	30.3	28 800			18.0	68.2	41.8	14 900
		15.0	65.1	29.8	25 200			20.0	65.3	40.9	11 000
		16.0	62.9	29.3	21 900			22.0	62.2	39.9	7 900
		18.0	58.6	28.1	16 700			24.0	59.1	38.7	5 300

MANITOWOC ENGINEERING CO.

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



LIFT CRANE BOOM CAPACITIES WITH LUFFING JIB ATTACHED

EUROPEAN
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	60 100	4 8 · 8	1 6 0	8.5	82.5	50.7	52 400
		8.0	82.7	47.7	59 400			9.0	82.0	50.7	48 800
		8.5	82.1	47.6	54 800			10.0	80.8	50.5	42 000
		9.0	81.4	47.6	50 700			11.0	79.6	50.3	36 400
		10.0	80.2	47.4	43 600			12.0	78.4	50.1	31 700
		11.0	78.9	47.2	37 800			13.0	77.2	49.9	27 600
		12.0	77.6	47.0	32 900			14.0	76.0	49.6	24 100
		13.0	76.3	46.7	28 600			15.0	74.8	49.3	21 000
		14.0	75.0	46.4	25 000			16.0	73.5	49.0	18 300
		15.0	73.7	46.2	21 800			18.0	71.1	48.4	13 700
		16.0	72.4	45.8	19 000			20.0	68.5	47.6	10 000
		18.0	69.7	45.1	14 300			22.0	66.0	46.7	6 900
		20.0	67.0	44.3	10 600						
		22.0	64.3	43.3	7 500						

REFER ONLY

MANITOWOC ENGINEERING CO.

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



LIFT CRANE BOOM CAPACITIES WITH LUFFING JIB ATTACHED

EUROPEAN
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	163 800*	3 3 5	1 1 0	6.7	82.3	35.6	86 300
		5.0	82.5	23.5	158 800			7.0	81.8	35.5	81 700
		5.5	81.1	23.4	138 300			7.5	80.9	35.5	74 100
		6.0	79.7	23.3	121 300			8.0	80.0	35.4	67 700
		6.5	78.4	23.2	107 400			8.5	79.2	35.3	62 100
		7.0	77.0	23.1	95 900			9.0	78.3	35.2	57 100
		7.5	75.6	23.0	86 300			10.0	76.5	34.9	48 700
		8.0	74.2	22.8	78 100			11.0	74.8	34.6	41 800
		8.5	72.8	22.6	71 000			12.0	73.0	34.3	36 100
		9.0	71.3	22.5	64 800			13.0	71.2	34.0	31 300
		10.0	68.4	22.1	54 500			14.0	69.3	33.6	27 200
		11.0	65.5	21.6	46 300			15.0	67.5	33.2	23 700
		12.0	62.5	21.1	39 700			16.0	65.6	32.7	20 600
		13.0	59.3	20.5	34 100			18.0	61.7	31.7	15 500
2 4 4	8 0	5.2	83.0	26.6	142 300	3 6 6	1 2 0	6.7	82.9	38.7	82 500
		5.5	82.2	26.5	130 600			7.0	82.5	38.6	78 200
		6.0	81.0	26.4	115 100			7.5	81.7	38.6	71 100
		6.5	79.8	26.3	102 400			8.0	80.9	38.5	65 100
		7.0	78.6	26.2	91 800			8.5	80.1	38.4	59 800
		7.5	77.4	26.1	82 800			9.0	79.3	38.3	55 100
		8.0	76.2	26.0	75 100			10.0	77.7	38.0	47 000
		8.5	75.0	25.8	68 500			11.0	76.1	37.8	40 500
		9.0	73.8	25.7	62 600			12.0	74.4	37.5	35 000
		10.0	71.3	25.3	52 900			13.0	72.8	37.2	30 300
		11.0	68.8	24.9	45 000			14.0	71.1	36.8	26 400
		12.0	66.2	24.5	38 700			15.0	69.5	36.5	22 900
		13.0	63.5	24.0	33 300			16.0	67.8	36.1	19 900
		14.0	60.9	23.4	28 800			18.0	64.3	35.1	15 000
		15.0	58.1	22.8	25 000			20.0	60.7	34.0	10 900
2 7 4	9 0	5.8	82.5	29.6	115 200	3 9 6	1 3 0	7.3	82.6	41.7	70 800
		6.0	82.0	29.5	109 700			7.5	82.3	41.6	68 600
		6.5	81.0	29.4	97 900			8.0	81.6	41.6	62 800
		7.0	79.9	29.3	88 100			8.5	80.9	41.5	57 800
		7.5	78.9	29.2	79 700			9.0	80.1	41.4	53 300
		8.0	77.8	29.1	72 500			10.0	78.6	41.2	45 600
		8.5	76.7	29.0	66 300			11.0	77.2	40.9	39 300
		9.0	75.6	28.9	60 700			12.0	75.7	40.7	34 100
		10.0	73.4	28.6	51 400			13.0	74.2	40.4	29 600
		11.0	71.2	28.2	43 900			14.0	72.6	40.1	25 800
		12.0	69.0	27.8	37 800			15.0	71.1	39.7	22 400
		13.0	66.7	27.4	32 700			16.0	69.6	39.4	19 500
		14.0	64.4	26.9	28 300			18.0	66.4	38.5	14 600
		15.0	62.0	26.4	24 500			20.0	63.2	37.5	10 700
		16.0	59.6	25.8	21 300			22.0	59.9	36.4	7 600
3 0 5	1 0 0	6.1	82.7	32.6	102 600	4 2 7	1 4 0	7.9	82.3	44.7	61 300
		6.5	81.9	32.5	94 300			8.0	82.2	44.6	60 600
		7.0	80.9	32.5	84 900			8.5	81.5	44.6	55 800
		7.5	80.0	32.4	77 100			9.0	80.8	44.5	51 500
		8.0	79.0	32.3	70 300			10.0	79.5	44.3	44 200
		8.5	78.1	32.1	64 400			11.0	78.1	44.1	38 200
		9.0	77.1	32.0	59 100			12.0	76.7	43.8	33 100
		10.0	75.1	31.7	50 200			13.0	75.3	43.6	28 800
		11.0	73.2	31.4	43 100			14.0	73.9	43.3	25 100
		12.0	71.2	31.1	37 200			15.0	72.5	43.0	21 800
		13.0	69.2	30.7	32 200			16.0	71.1	42.6	19 000
		14.0	67.1	30.3	28 000			18.0	68.2	41.8	14 200
		15.0	65.1	29.8	24 300			20.0	65.3	40.9	10 400
		16.0	62.9	29.3	21 200			22.0	62.2	39.9	7 300
		18.0	58.6	28.1	15 900						

MANITOWOC ENGINEERING CO.

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



LIFT CRANE BOOM CAPACITIES WITH LUFFING JIB ATTACHED

EUROPEAN
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	59 100	4 8 8	1 6 0	8.5	82.5	50.7	51 500
		8.0	82.7	47.7	58 400			9.0	82.0	50.7	48 000
		8.5	82.1	47.6	53 900			10.0	80.8	50.5	41 200
		9.0	81.4	47.6	49 800			11.0	79.6	50.3	35 600
		10.0	80.2	47.4	42 800			12.0	78.4	50.1	30 900
		11.0	78.9	47.2	37 000			13.0	77.2	49.9	26 900
		12.0	77.6	47.0	32 100			14.0	76.0	49.6	23 400
		13.0	76.3	46.7	27 900			15.0	74.8	49.3	20 400
		14.0	75.0	46.4	24 300			16.0	73.5	49.0	17 600
		15.0	73.7	46.2	21 100			18.0	71.1	48.4	13 100
		16.0	72.4	45.8	18 400			20.0	68.5	47.6	9 400
		18.0	69.7	45.1	13 700			22.0	66.0	46.7	6 400
		20.0	67.0	44.3	10 000						
		22.0	64.3	43.3	6 900						

REFER ONLY

MANITOWOC ENGINEERING CO.

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



LIFT CRANE BOOM CAPACITIES WITH LUFFING JIB ATTACHED

EUROPEAN
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	161 800*	3 3 5	1 1 0	6.7	82.3	35.6	84 300
		5.0	82.5	23.5	156 400			7.0	81.8	35.5	79 700
		5.5	81.1	23.4	135 500			7.5	80.9	35.5	72 200
		6.0	79.7	23.3	118 500			8.0	80.0	35.4	65 900
		6.5	78.4	23.2	104 800			8.5	79.2	35.3	60 300
		7.0	77.0	23.1	93 500			9.0	78.3	35.2	55 400
		7.5	75.6	23.0	83 900			10.0	76.5	34.9	47 000
		8.0	74.2	22.8	75 800			11.0	74.8	34.6	40 200
		8.5	72.8	22.6	68 800			12.0	73.0	34.3	34 600
		9.0	71.3	22.5	62 700			13.0	71.2	34.0	29 900
		10.0	68.4	22.1	52 500			14.0	69.3	33.6	25 800
		11.0	65.5	21.6	44 400			15.0	67.5	33.2	22 300
		12.0	62.5	21.1	37 800			16.0	65.6	32.7	19 200
		13.0	59.3	20.5	32 400			18.0	61.7	31.7	14 100
2 4 4	8 0	5.2	83.0	26.6	139 600	3 6 6	1 2 0	6.7	82.9	38.7	80 600
		5.5	82.2	26.5	127 900			7.0	82.5	38.6	76 300
		6.0	81.0	26.4	112 600			7.5	81.7	38.6	69 300
		6.5	79.8	26.3	100 000			8.0	80.9	38.5	63 300
		7.0	78.6	26.2	89 500			8.5	80.1	38.4	58 100
		7.5	77.4	26.1	80 600			9.0	79.3	38.3	53 400
		8.0	76.2	26.0	73 000			10.0	77.7	38.0	45 400
		8.5	75.0	25.8	66 400			11.0	76.1	37.8	38 900
		9.0	73.8	25.7	60 600			12.0	74.4	37.5	33 500
		10.0	71.3	25.3	50 900			13.0	72.8	37.2	28 900
		11.0	68.8	24.9	43 200			14.0	71.1	36.8	25 000
		12.0	66.2	24.5	36 900			15.0	69.5	36.5	21 600
		13.0	63.5	24.0	31 600			16.0	67.8	36.1	18 600
		14.0	60.9	23.4	27 200			18.0	64.3	35.1	13 700
		15.0	58.1	22.8	23 400			20.0	60.7	34.0	9 700
2 7 4	9 0	5.8	82.5	29.6	112 700	3 9 6	1 3 0	7.3	82.6	41.7	69 000
		6.0	82.0	29.5	107 300			7.5	82.3	41.6	66 900
		6.5	81.0	29.4	95 700			8.0	81.6	41.6	61 100
		7.0	79.9	29.3	85 900			8.5	80.9	41.5	56 100
		7.5	78.9	29.2	77 700			9.0	80.1	41.4	51 700
		8.0	77.8	29.1	70 500			10.0	78.6	41.2	44 100
		8.5	76.7	29.0	64 300			11.0	77.2	40.9	37 900
		9.0	75.6	28.9	58 800			12.0	75.7	40.7	32 700
		10.0	73.4	28.6	49 600			13.0	74.2	40.4	28 200
		11.0	71.2	28.2	42 200			14.0	72.6	40.1	24 400
		12.0	69.0	27.8	36 100			15.0	71.1	39.7	21 100
		13.0	66.7	27.4	31 000			16.0	69.6	39.4	18 200
		14.0	64.4	26.9	26 700			18.0	66.4	38.5	13 400
		15.0	62.0	26.4	23 000			20.0	63.2	37.5	9 600
		16.0	59.6	25.8	19 800			22.0	59.9	36.4	6 400
3 0 5	1 0 0	6.1	82.7	32.6	100 400	4 2 7	1 4 0	7.9	82.3	44.7	59 700
		6.5	81.9	32.5	92 200			8.0	82.2	44.6	59 000
		7.0	80.9	32.5	82 800			8.5	81.5	44.6	54 200
		7.5	80.0	32.4	75 100			9.0	80.8	44.5	50 000
		8.0	79.0	32.3	68 400			10.0	79.5	44.3	42 700
		8.5	78.1	32.1	62 500			11.0	78.1	44.1	36 800
		9.0	77.1	32.0	57 300			12.0	76.7	43.8	31 700
		10.0	75.1	31.7	48 500			13.0	75.3	43.6	27 500
		11.0	73.2	31.4	41 500			14.0	73.9	43.3	23 800
		12.0	71.2	31.1	35 600			15.0	72.5	43.0	20 600
		13.0	69.2	30.7	30 700			16.0	71.1	42.6	17 700
		14.0	67.1	30.3	26 500			18.0	68.2	41.8	13 100
		15.0	65.1	29.8	22 900			20.0	65.3	40.9	9 300
		16.0	62.9	29.3	19 700			22.0	62.2	39.9	6 200
		18.0	58.6	28.1	14 600						

MANITOWOC ENGINEERING CO.

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



LIFT CRANE BOOM CAPACITIES WITH LUFFING JIB ATTACHED

EUROPEAN
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	57 500	4 8 8	1 6 0	8.5	82.5	50.7	50 000
		8.0	82.7	47.7	56 800			9.0	82.0	50.7	46 500
		8.5	82.1	47.6	52 300			10.0	80.8	50.5	39 800
		9.0	81.4	47.6	48 300			11.0	79.6	50.3	34 300
		10.0	80.2	47.4	41 400			12.0	78.4	50.1	29 700
		11.0	78.9	47.2	35 600			13.0	77.2	49.9	25 600
		12.0	77.6	47.0	30 800			14.0	76.0	49.6	22 200
		13.0	76.3	46.7	26 600			15.0	74.8	49.3	19 100
		14.0	75.0	46.4	23 100			16.0	73.5	49.0	16 400
		15.0	73.7	46.2	19 900			18.0	71.1	48.4	12 000
		16.0	72.4	45.8	17 200			20.0	68.5	47.6	8 300
		18.0	69.7	45.1	12 600						
		20.0	67.0	44.3	8 900						
		22.0	64.3	43.3	5 800						

REFER ONLY!

MANITOWOC ENGINEERING CO.

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



LIFT CRANE BOOM CAPACITIES WITH LUFFING JIB ATTACHED

EUROPEAN
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	164 500*	3 3 5	1 1 0	6.7	82.3	35.6	86 100
		5.0	82.5	23.5	159 300			7.0	81.8	35.5	81 400
		5.5	81.1	23.4	138 200			7.5	80.9	35.5	73 700
		6.0	79.7	23.3	120 900			8.0	80.0	35.4	67 200
		6.5	78.4	23.2	106 800			8.5	79.2	35.3	61 500
		7.0	77.0	23.1	95 100			9.0	78.3	35.2	56 500
		7.5	75.6	23.0	85 300			10.0	76.5	34.9	47 900
		8.0	74.2	22.8	77 000			11.0	74.8	34.6	40 900
		8.5	72.8	22.6	69 800			12.0	73.0	34.3	35 100
		9.0	71.3	22.5	63 400			13.0	71.2	34.0	30 300
		10.0	68.4	22.1	53 000			14.0	69.3	33.6	26 100
		11.0	65.5	21.6	44 700			15.0	67.5	33.2	22 500
		12.0	62.5	21.1	37 900			16.0	65.6	32.7	19 300
		13.0	59.3	20.5	32 300			18.0	61.7	31.7	14 100
		14.0	56.1	19.8	27 400			20.0	57.7	30.4	10 000
		15.0	52.7	19.0	22 900			22.0	53.5	29.0	6 600
2 4 4	8 0	5.2	83.0	26.6	142 600	3 6 6	1 2 0	6.7	82.9	38.7	82 500
		5.5	82.2	26.5	130 600			7.0	82.5	38.6	78 000
		6.0	81.0	26.4	114 900			7.5	81.7	38.6	70 800
		6.5	79.8	26.3	102 000			8.0	80.9	38.5	64 700
		7.0	78.6	26.2	91 200			8.5	80.1	38.4	59 300
		7.5	77.4	26.1	82 100			9.0	79.3	38.3	54 500
		8.0	76.2	26.0	74 300			10.0	77.7	38.0	46 300
		8.5	75.0	25.8	67 500			11.0	76.1	37.8	39 700
		9.0	73.8	25.7	61 500			12.0	74.4	37.5	34 100
		10.0	71.3	25.3	51 600			13.0	72.8	37.2	29 400
		11.0	68.8	24.9	43 700			14.0	71.1	36.8	25 300
		12.0	66.2	24.5	37 100			15.0	69.5	36.5	21 900
		13.0	63.5	24.0	31 700			16.0	67.8	36.1	18 800
		14.0	60.9	23.4	27 100			18.0	64.3	35.1	13 700
		15.0	58.1	22.8	23 200			20.0	60.7	34.0	9 600
		16.0	55.2	22.1	19 700			22.0	57.0	32.8	6 300
2 7 4	9 0	5.8	82.5	29.6	115 200	3 9 6	1 3 0	7.3	82.6	41.7	70 600
		6.0	82.0	29.5	109 600			7.5	82.3	41.6	68 400
		6.5	81.0	29.4	97 600			8.0	81.6	41.6	62 500
		7.0	79.9	29.3	87 700			8.5	80.9	41.5	57 400
		7.5	78.9	29.2	79 200			9.0	80.1	41.4	52 800
		8.0	77.8	29.1	71 800			10.0	78.6	41.2	45 000
		8.5	76.7	29.0	65 400			11.0	77.2	40.9	38 600
		9.0	75.6	28.9	59 800			12.0	75.7	40.7	33 300
		10.0	73.4	28.6	50 400			13.0	74.2	40.4	28 700
		11.0	71.2	28.2	42 800			14.0	72.6	40.1	24 800
		12.0	69.0	27.8	36 500			15.0	71.1	39.7	21 400
		13.0	66.7	27.4	31 300			16.0	69.6	39.4	18 400
		14.0	64.4	26.9	26 800			18.0	66.4	38.5	13 500
		15.0	62.0	26.4	23 000			20.0	63.2	37.5	9 500
		16.0	59.6	25.8	19 700			22.0	59.9	36.4	6 300
		18.0	54.5	24.4	14 200						
3 0 5	1 0 0	6.1	82.7	32.6	102 600	4 2 7	1 4 0	7.9	82.3	44.7	61 000
		6.5	81.9	32.5	94 200			8.0	82.2	44.6	60 300
		7.0	80.9	32.5	84 600			8.5	81.5	44.6	55 400
		7.5	80.0	32.4	76 600			9.0	80.8	44.5	51 100
		8.0	79.0	32.3	69 700			10.0	79.5	44.3	43 700
		8.5	78.1	32.1	63 700			11.0	78.1	44.1	37 500
		9.0	77.1	32.0	58 400			12.0	76.7	43.8	32 400
		10.0	75.1	31.7	49 400			13.0	75.3	43.6	28 000
		11.0	73.2	31.4	42 100			14.0	73.9	43.3	24 200
		12.0	71.2	31.1	36 100			15.0	72.5	43.0	20 900
		13.0	69.2	30.7	31 000			16.0	71.1	42.6	18 000
		14.0	67.1	30.3	26 700			18.0	68.2	41.8	13 200
		15.0	65.1	29.8	23 000			20.0	65.3	40.9	9 300
		16.0	62.9	29.3	19 700			22.0	62.2	39.9	6 100
		18.0	58.6	28.1	14 400						

MANITOWOC ENGINEERING CO.

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



LIFT CRANE BOOM CAPACITIES WITH LUFFING JIB ATTACHED

EUROPEAN
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	58 900	4 8 8	1 6 0	8.5	82.5	50.7	51 300
		8.0	82.7	47.7	58 200			9.0	82.0	50.7	47 600
		8.5	82.1	47.6	53 600			10.0	80.8	50.5	40 800
		9.0	81.4	47.6	49 400			11.0	79.6	50.3	35 100
		10.0	80.2	47.4	42 300			12.0	78.4	50.1	30 300
		11.0	78.9	47.2	36 400			13.0	77.2	49.9	26 200
		12.0	77.6	47.0	31 400			14.0	76.0	49.6	22 700
		13.0	76.3	46.7	27 200			15.0	74.8	49.3	19 500
		14.0	75.0	46.4	23 500			16.0	73.5	49.0	16 800
		15.0	73.7	46.2	20 300			18.0	71.1	48.4	12 200
		16.0	72.4	45.8	17 500			20.0	68.5	47.6	8 400
		18.0	69.7	45.1	12 700						
		20.0	67.0	44.3	8 900						
		22.0	64.3	43.3	5 800						

REFER ONLY!

MANITOWOC ENGINEERING CO.

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



LIFT CRANE BOOM CAPACITIES WITH LUFFING JIB ATTACHED

EUROPEAN
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	162 800*	3 3 5	1 0	6.7	82.3	35.6	84 400
		5.0	82.5	23.5	157 200			7.0	81.8	35.5	79 700
		5.5	81.1	23.4	135 700			7.5	80.9	35.5	72 100
		6.0	79.7	23.3	118 500			8.0	80.0	35.4	65 600
		6.5	78.4	23.2	104 500			8.5	79.2	35.3	60 000
		7.0	77.0	23.1	92 900			9.0	78.3	35.2	54 900
		7.5	75.6	23.0	83 200			10.0	76.5	34.9	46 400
		8.0	74.2	22.8	74 900			11.0	74.8	34.6	39 500
		8.5	72.8	22.6	67 700			12.0	73.0	34.3	33 700
		9.0	71.3	22.5	61 400			13.0	71.2	34.0	28 800
		10.0	68.4	22.1	51 000			14.0	69.3	33.6	24 700
		11.0	65.5	21.6	42 800			15.0	67.5	33.2	21 100
		12.0	62.5	21.1	36 100			16.0	65.6	32.7	18 000
		13.0	59.3	20.5	30 500			18.0	61.7	31.7	12 800
		14.0	56.1	19.8	25 800			20.0	57.7	30.4	8 700
		15.0	52.7	19.0	21 300						
2 4 4	8 0	5.2	83.0	26.6	140 200	3 6 6	1 2 0	6.7	82.9	38.7	80 800
		5.5	82.2	26.5	128 300			7.0	82.5	38.6	76 400
		6.0	81.0	26.4	112 700			7.5	81.7	38.6	69 200
		6.5	79.8	26.3	99 900			8.0	80.9	38.5	63 200
		7.0	78.6	26.2	89 200			8.5	80.1	38.4	57 800
		7.5	77.4	26.1	80 100			9.0	79.3	38.3	53 000
		8.0	76.2	26.0	72 300			10.0	77.7	38.0	44 900
		8.5	75.0	25.8	65 600			11.0	76.1	37.8	38 200
		9.0	73.8	25.7	59 700			12.0	74.4	37.5	32 700
		10.0	71.3	25.3	49 800			13.0	72.8	37.2	28 100
		11.0	68.8	24.9	41 900			14.0	71.1	36.8	24 000
		12.0	66.2	24.5	35 400			15.0	69.5	36.5	20 600
		13.0	63.5	24.0	30 000			16.0	67.8	36.1	17 600
		14.0	60.9	23.4	25 500			18.0	64.3	35.1	12 500
		15.0	58.1	22.8	21 600			20.0	60.7	34.0	8 400
		16.0	55.2	22.1	18 200						
2 7 4	9 0	5.8	82.5	29.6	113 100	3 9 6	1 3 0	7.3	82.6	41.7	69 000
		6.0	82.0	29.5	107 600			7.5	82.3	41.6	66 800
		6.5	81.0	29.4	95 600			8.0	81.6	41.6	61 000
		7.0	79.9	29.3	85 800			8.5	80.9	41.5	55 900
		7.5	78.9	29.2	77 300			9.0	80.1	41.4	51 400
		8.0	77.8	29.1	70 000			10.0	78.6	41.2	43 600
		8.5	76.7	29.0	63 700			11.0	77.2	40.9	37 300
		9.0	75.6	28.9	58 000			12.0	75.7	40.7	31 900
		10.0	73.4	28.6	48 700			13.0	74.2	40.4	27 500
		11.0	71.2	28.2	41 100			14.0	72.6	40.1	23 600
		12.0	69.0	27.8	34 900			15.0	71.1	39.7	20 200
		13.0	66.7	27.4	29 700			16.0	69.6	39.4	17 200
		14.0	64.4	26.9	25 300			18.0	66.4	38.5	12 300
		15.0	62.0	26.4	21 500			20.0	63.2	37.5	8 400
		16.0	59.6	25.8	18 200						
		18.0	54.5	24.4	12 800						
3 0 5	1 0 0	6.1	82.7	32.6	100 600	4 2 7	1 4 0	7.9	82.3	44.7	59 600
		6.5	81.9	32.5	92 300			8.0	82.2	44.6	58 900
		7.0	80.9	32.5	82 800			8.5	81.5	44.6	54 000
		7.5	80.0	32.4	74 900			9.0	80.8	44.5	49 700
		8.0	79.0	32.3	68 000			10.0	79.5	44.3	42 300
		8.5	78.1	32.1	62 000			11.0	78.1	44.1	36 200
		9.0	77.1	32.0	56 700			12.0	76.7	43.8	31 100
		10.0	75.1	31.7	47 800			13.0	75.3	43.6	26 800
		11.0	73.2	31.4	40 500			14.0	73.9	43.3	23 000
		12.0	71.2	31.1	34 500			15.0	72.5	43.0	19 700
		13.0	69.2	30.7	29 500			16.0	71.1	42.6	16 800
		14.0	67.1	30.3	25 300			18.0	68.2	41.8	12 000
		15.0	65.1	29.8	21 600			20.0	65.3	40.9	8 200
		16.0	62.9	29.3	18 400						
		18.0	58.6	28.1	13 100						

MANITOWOC ENGINEERING CO.

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



LIFT CRANE BOOM CAPACITIES WITH LUFFING JIB ATTACHED

EUROPEAN
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	57 500	4 8 · 8	1 6 0	8.5	82.5	50.7	49 900
		8.0	82.7	47.7	56 800			9.0	82.0	50.7	46 300
		8.5	82.1	47.6	52 200			10.0	80.8	50.5	39 500
		9.0	81.4	47.6	48 100			11.0	79.6	50.3	33 900
		10.0	80.2	47.4	41 000			12.0	78.4	50.1	29 100
		11.0	78.9	47.2	35 100			13.0	77.2	49.9	25 000
		12.0	77.6	47.0	30 200			14.0	76.0	49.6	21 500
		13.0	76.3	46.7	26 000			15.0	74.8	49.3	18 400
		14.0	75.0	46.4	22 300			16.0	73.5	49.0	15 700
		15.0	73.7	46.2	19 100			18.0	71.1	48.4	11 100
		16.0	72.4	45.8	16 400			20.0	68.5	47.6	7 400
		18.0	69.7	45.1	11 600						
		20.0	67.0	44.3	7 800						

REFER ONLY!

MANITOWOC ENGINEERING CO.

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



LIFT CRANE BOOM CAPACITIES WITH LUFFING JIB ATTACHED

EUROPEAN
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	161 600	3 3 5	1 0	6.7	82.3	35.6	83 100
		5.0	82.5	23.5	155 600			7.0	81.8	35.5	78 500
		5.5	81.1	23.4	133 800			7.5	80.9	35.5	70 900
		6.0	79.7	23.3	116 700			8.0	80.0	35.4	64 500
		6.5	78.4	23.2	102 700			8.5	79.2	35.3	58 800
		7.0	77.0	23.1	91 200			9.0	78.3	35.2	53 800
		7.5	75.6	23.0	81 600			10.0	76.5	34.9	45 400
		8.0	74.2	22.8	73 300			11.0	74.8	34.6	38 500
		8.5	72.8	22.6	66 200			12.0	73.0	34.3	32 700
		9.0	71.3	22.5	60 000			13.0	71.2	34.0	27 900
		10.0	68.4	22.1	49 700			14.0	69.3	33.6	23 800
		11.0	65.5	21.6	41 500			15.0	67.5	33.2	20 200
		12.0	62.5	21.1	34 800			16.0	65.6	32.7	17 100
		13.0	59.3	20.5	29 200			18.0	61.7	31.7	12 000
		14.0	56.1	19.8	24 600			20.0	57.7	30.4	7 900
2 4 4	8 0	5.2	83.0	26.6	138 400	3 6 6	1 2 0	6.7	82.9	38.7	79 600
		5.5	82.2	26.5	126 600			7.0	82.5	38.6	75 200
		6.0	81.0	26.4	111 000			7.5	81.7	38.6	68 100
		6.5	79.8	26.3	98 200			8.0	80.9	38.5	62 100
		7.0	78.6	26.2	87 600			8.5	80.1	38.4	56 700
		7.5	77.4	26.1	78 600			9.0	79.3	38.3	52 000
		8.0	76.2	26.0	70 900			10.0	77.7	38.0	43 900
		8.5	75.0	25.8	64 200			11.0	76.1	37.8	37 300
		9.0	73.8	25.7	58 300			12.0	74.4	37.5	31 800
		10.0	71.3	25.3	48 500			13.0	72.8	37.2	27 200
		11.0	68.8	24.9	40 700			14.0	71.1	36.8	23 200
		12.0	66.2	24.5	34 200			15.0	69.5	36.5	19 700
		13.0	63.5	24.0	28 900			16.0	67.8	36.1	16 700
		14.0	60.9	23.4	24 400			18.0	64.3	35.1	11 700
		15.0	58.1	22.8	20 500			20.0	60.7	34.0	7 700
2 7 4	9 0	5.8	82.5	29.6	111 500	3 9 6	1 3 0	7.3	82.6	41.7	67 900
		6.0	82.0	29.5	106 000			7.5	82.3	41.6	65 800
		6.5	81.0	29.4	94 200			8.0	81.6	41.6	60 000
		7.0	79.9	29.3	84 300			8.5	80.9	41.5	54 900
		7.5	78.9	29.2	75 900			9.0	80.1	41.4	50 400
		8.0	77.8	29.1	68 700			10.0	78.6	41.2	42 700
		8.5	76.7	29.0	62 400			11.0	77.2	40.9	36 400
		9.0	75.6	28.9	56 800			12.0	75.7	40.7	31 100
		10.0	73.4	28.6	47 500			13.0	74.2	40.4	26 600
		11.0	71.2	28.2	40 000			14.0	72.6	40.1	22 700
		12.0	69.0	27.8	33 800			15.0	71.1	39.7	19 400
		13.0	66.7	27.4	28 700			16.0	69.6	39.4	16 400
		14.0	64.4	26.9	24 300			18.0	66.4	38.5	11 500
		15.0	62.0	26.4	20 500			20.0	63.2	37.5	7 600
		16.0	59.6	25.8	17 200	4 2 7	1 4 0	7.9	82.3	44.7	58 600
3 0 5	1 0 0	18.0	54.5	24.4	11 900			8.0	82.2	44.6	57 900
		6.1	82.7	32.6	99 200			8.5	81.5	44.6	53 100
		6.5	81.9	32.5	90 900			9.0	80.8	44.5	48 800
		7.0	80.9	32.5	81 500			10.0	79.5	44.3	41 400
		7.5	80.0	32.4	73 600			11.0	78.1	44.1	35 400
		8.0	79.0	32.3	66 800			12.0	76.7	43.8	30 300
		8.5	78.1	32.1	60 800			13.0	75.3	43.6	25 900
		9.0	77.1	32.0	55 600			14.0	73.9	43.3	22 200
		10.0	75.1	31.7	46 700			15.0	72.5	43.0	19 000
		11.0	73.2	31.4	39 500			16.0	71.1	42.6	16 100
		12.0	71.2	31.1	33 500			18.0	68.2	41.8	11 300
		13.0	69.2	30.7	28 500			20.0	65.3	40.9	7 500
		14.0	67.1	30.3	24 300						
		15.0	65.1	29.8	20 700						
		16.0	62.9	29.3	17 500						
		18.0	58.6	28.1	12 200						

MANITOWOC ENGINEERING CO.

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



LIFT CRANE BOOM CAPACITIES WITH LUFFING JIB ATTACHED

EUROPEAN
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	56 600	4 8 8	1 6 0	8.5	82.5	50.7	49 000
		8.0	82.7	47.7	55 900			9.0	82.0	50.7	45 500
		8.5	82.1	47.6	51 300			10.0	80.8	50.5	38 700
		9.0	81.4	47.6	47 200			11.0	79.6	50.3	33 100
		10.0	80.2	47.4	40 200			12.0	78.4	50.1	28 400
		11.0	78.9	47.2	34 300			13.0	77.2	49.9	24 300
		12.0	77.6	47.0	29 400			14.0	76.0	49.6	20 800
		13.0	76.3	46.7	25 200			15.0	74.8	49.3	17 700
		14.0	75.0	46.4	21 600			16.0	73.5	49.0	15 000
		15.0	73.7	46.2	18 400			18.0	71.1	48.4	10 500
		16.0	72.4	45.8	15 600			20.0	68.5	47.6	6 800
		18.0	69.7	45.1	11 000						
		20.0	67.0	44.3	7 200						

REFER ONLY!

MANITOWOC ENGINEERING CO.

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



LIFT CRANE BOOM CAPACITIES WITH LUFFING JIB ATTACHED

EUROPEAN
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	158 700	3 3 5	1 1 0	6.7	82.3	35.6	81 300
		5.0	82.5	23.5	152 800			7.0	81.8	35.5	76 700
		5.5	81.1	23.4	131 100			7.5	80.9	35.5	69 100
		6.0	79.7	23.3	114 100			8.0	80.0	35.4	62 800
		6.5	78.4	23.2	100 300			8.5	79.2	35.3	57 100
		7.0	77.0	23.1	88 900			9.0	78.3	35.2	52 200
		7.5	75.6	23.0	79 300			10.0	76.5	34.9	43 800
		8.0	74.2	22.8	71 100			11.0	74.8	34.6	36 900
		8.5	72.8	22.6	64 000			12.0	73.0	34.3	31 200
		9.0	71.3	22.5	57 900			13.0	71.2	34.0	26 500
		10.0	68.4	22.1	47 600			14.0	69.3	33.6	22 400
		11.0	65.5	21.6	39 500			15.0	67.5	33.2	18 800
		12.0	62.5	21.1	32 800			16.0	65.6	32.7	15 700
		13.0	59.3	20.5	27 300			18.0	61.7	31.7	10 600
		14.0	56.1	19.8	22 700	3 6 6	1 2 0	6.7	82.9	38.7	77 800
2 4 4	8 0	5.2	83.0	26.6	135 800			7.0	82.5	38.6	73 500
		5.5	82.2	26.5	124 100			7.5	81.7	38.6	66 400
		6.0	81.0	26.4	108 700			8.0	80.9	38.5	60 400
		6.5	79.8	26.3	96 000			8.5	80.1	38.4	55 100
		7.0	78.6	26.2	85 500			9.0	79.3	38.3	50 400
		7.5	77.4	26.1	76 500			10.0	77.7	38.0	42 400
		8.0	76.2	26.0	68 900			11.0	76.1	37.8	35 800
		8.5	75.0	25.8	62 200			12.0	74.4	37.5	30 400
		9.0	73.8	25.7	56 400			13.0	72.8	37.2	25 800
		10.0	71.3	25.3	46 600			14.0	71.1	36.8	21 800
		11.0	68.8	24.9	38 900			15.0	69.5	36.5	18 400
		12.0	66.2	24.5	32 500			16.0	67.8	36.1	15 400
		13.0	63.5	24.0	27 100			18.0	64.3	35.1	10 400
		14.0	60.9	23.4	22 700	3 9 6	1 3 0	7.3	82.6	41.7	66 400
2 7 4	9 0	15.0	58.1	22.8	18 800			7.5	82.3	41.6	64 200
		16.0	55.2	22.1	15 500			8.0	81.6	41.6	58 400
		5.8	82.5	29.6	109 300			8.5	80.9	41.5	53 400
		6.0	82.0	29.5	103 900			9.0	80.1	41.4	48 900
		6.5	81.0	29.4	92 100			10.0	78.6	41.2	41 200
		7.0	79.9	29.3	82 300			11.0	77.2	40.9	35 000
		7.5	78.9	29.2	74 000			12.0	75.7	40.7	29 700
		8.0	77.8	29.1	66 800			13.0	74.2	40.4	25 200
		8.5	76.7	29.0	60 500			14.0	72.6	40.1	21 400
		9.0	75.6	28.9	55 000			15.0	71.1	39.7	18 100
		10.0	73.4	28.6	45 700			16.0	69.6	39.4	15 200
		11.0	71.2	28.2	38 300			18.0	66.4	38.5	10 300
		12.0	69.0	27.8	32 100	4 2 7	1 4 0	7.9	82.3	44.7	57 100
3 0 5	1 0 0	13.0	66.7	27.4	27 000			8.0	82.2	44.6	56 400
		14.0	64.4	26.9	22 700			8.5	81.5	44.6	51 600
		15.0	62.0	26.4	18 900			9.0	80.8	44.5	47 300
		16.0	59.6	25.8	15 700			10.0	79.5	44.3	40 100
		18.0	54.5	24.4	10 300			11.0	78.1	44.1	34 000
		6.1	82.7	32.6	97 200			12.0	76.7	43.8	29 000
		6.5	81.9	32.5	89 000			13.0	75.3	43.6	24 600
		7.0	80.9	32.5	79 500			14.0	73.9	43.3	20 900
		7.5	80.0	32.4	71 700			15.0	72.5	43.0	17 700
		8.0	79.0	32.3	65 000			16.0	71.1	42.6	14 900
		8.5	78.1	32.1	59 100			18.0	68.2	41.8	10 100
		9.0	77.1	32.0	53 800						
		10.0	75.1	31.7	45 000						
		11.0	73.2	31.4	37 900						
		12.0	71.2	31.1	31 900						
		13.0	69.2	30.7	27 000						
		14.0	67.1	30.3	22 800						
		15.0	65.1	29.8	19 200						
		16.0	62.9	29.3	16 000						
		18.0	58.6	28.1	10 700						

MANITOWOC ENGINEERING CO.

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



LIFT CRANE BOOM CAPACITIES WITH LUFFING JIB ATTACHED

EUROPEAN
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	55 100	4 8 · 8	1 6 · 0	8.5	82.5	50.7	47 700
		8.0	82.7	47.7	54 400			9.0	82.0	50.7	44 100
		8.5	82.1	47.6	49 800			10.0	80.8	50.5	37 400
		9.0	81.4	47.6	45 800			11.0	79.6	50.3	31 800
		10.0	80.2	47.4	38 800			12.0	78.4	50.1	27 100
		11.0	78.9	47.2	33 000			13.0	77.2	49.9	23 100
		12.0	77.6	47.0	28 100			14.0	76.0	49.6	19 600
		13.0	76.3	46.7	23 900			15.0	74.8	49.3	16 600
		14.0	75.0	46.4	20 300			16.0	73.5	49.0	13 800
		15.0	73.7	46.2	17 200			18.0	71.1	48.4	9 300
		16.0	72.4	45.8	14 400						
		18.0	69.7	45.1	9 800						

REFERENCED ONLY!

MANITOWOC ENGINEERING CO.

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



LIFT CRANE BOOM CAPACITIES WITH LUFFING JIB ATTACHED

EUROPEAN
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	155 900	3 3 5	1 1 0	6.7	82.3	35.6	79 600
		5.0	82.5	23.5	150 100			7.0	81.8	35.5	75 000
		5.5	81.1	23.4	128 600			7.5	80.9	35.5	67 500
		6.0	79.7	23.3	111 700			8.0	80.0	35.4	61 200
		6.5	78.4	23.2	98 000			8.5	79.2	35.3	55 600
		7.0	77.0	23.1	86 600			9.0	78.3	35.2	50 700
		7.5	75.6	23.0	77 100			10.0	76.5	34.9	42 300
		8.0	74.2	22.8	69 000			11.0	74.8	34.6	35 500
		8.5	72.8	22.6	62 000			12.0	73.0	34.3	29 900
		9.0	71.3	22.5	55 900			13.0	71.2	34.0	25 100
		10.0	68.4	22.1	45 700			14.0	69.3	33.6	21 100
		11.0	65.5	21.6	37 600			15.0	67.5	33.2	17 600
		12.0	62.5	21.1	31 100			16.0	65.6	32.7	14 500
		13.0	59.3	20.5	25 600			18.0	61.7	31.7	9 400
		14.0	56.1	19.8	21 000						
		15.0	52.7	19.0	17 100						
2 4 4	8 0	5.2	83.0	26.6	133 400	3 6 6	1 2 0	6.7	82.9	38.7	76 200
		5.5	82.2	26.5	121 800			7.0	82.5	38.6	71 900
		6.0	81.0	26.4	106 500			7.5	81.7	38.6	64 900
		6.5	79.8	26.3	93 900			8.0	80.9	38.5	58 900
		7.0	78.6	26.2	83 400			8.5	80.1	38.4	53 700
		7.5	77.4	26.1	74 600			9.0	79.3	38.3	49 000
		8.0	76.2	26.0	66 900			10.0	77.7	38.0	41 000
		8.5	75.0	25.8	60 300			11.0	76.1	37.8	34 500
		9.0	73.8	25.7	54 500			12.0	74.4	37.5	29 100
		10.0	71.3	25.3	44 900			13.0	72.8	37.2	24 500
		11.0	68.8	24.9	37 200			14.0	71.1	36.8	20 600
		12.0	66.2	24.5	30 800			15.0	69.5	36.5	17 200
		13.0	63.5	24.0	25 500			16.0	67.8	36.1	14 200
		14.0	60.9	23.4	21 100			18.0	64.3	35.1	9 200
		15.0	58.1	22.8	17 300						
		16.0	55.2	22.1	14 000						
2 7 4	9 0	5.8	82.5	29.6	107 200	3 9 6	1 3 0	7.3	82.6	41.7	64 900
		6.0	82.0	29.5	101 800			7.5	82.3	41.6	62 700
		6.5	81.0	29.4	90 100			8.0	81.6	41.6	56 900
		7.0	79.9	29.3	80 400			8.5	80.9	41.5	52 000
		7.5	78.9	29.2	72 100			9.0	80.1	41.4	47 500
		8.0	77.8	29.1	65 000			10.0	78.6	41.2	39 900
		8.5	76.7	29.0	58 800			11.0	77.2	40.9	33 700
		9.0	75.6	28.9	53 300			12.0	75.7	40.7	28 500
		10.0	73.4	28.6	44 100			13.0	74.2	40.4	24 100
		11.0	71.2	28.2	36 700			14.0	72.6	40.1	20 300
		12.0	69.0	27.8	30 600			15.0	71.1	39.7	17 000
		13.0	66.7	27.4	25 500			16.0	69.6	39.4	14 000
		14.0	64.4	26.9	21 200			18.0	66.4	38.5	9 200
		15.0	62.0	26.4	17 500						
		16.0	59.6	25.8	14 300						
		18.0	54.5	24.4	9 000						
3 0 5	1 0 0	6.1	82.7	32.6	95 300	4 2 7	1 4 0	7.9	82.3	44.7	55 700
		6.5	81.9	32.5	87 100			8.0	82.2	44.6	55 000
		7.0	80.9	32.5	77 800			8.5	81.5	44.6	50 300
		7.5	80.0	32.4	70 000			9.0	80.8	44.5	46 000
		8.0	79.0	32.3	63 300			10.0	79.5	44.3	38 700
		8.5	78.1	32.1	57 400			11.0	78.1	44.1	32 800
		9.0	77.1	32.0	52 200			12.0	76.7	43.8	27 800
		10.0	75.1	31.7	43 500			13.0	75.3	43.6	23 500
		11.0	73.2	31.4	36 400			14.0	73.9	43.3	19 800
		12.0	71.2	31.1	30 500			15.0	72.5	43.0	16 600
		13.0	69.2	30.7	25 600			16.0	71.1	42.6	13 800
		14.0	67.1	30.3	21 400			18.0	68.2	41.8	9 100
		15.0	65.1	29.8	17 800						
		16.0	62.9	29.3	14 700						
		18.0	58.6	28.1	9 500						

MANITOWOC ENGINEERING CO.

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



LIFT CRANE BOOM CAPACITIES WITH LUFFING JIB ATTACHED

EUROPEAN
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	53 700	4 8 · 8	1 6 · 0	8.5	82.5	50.7	46 400
		8.0	82.7	47.7	53 100			9.0	82.0	50.7	42 900
		8.5	82.1	47.6	48 600			10.0	80.8	50.5	36 200
		9.0	81.4	47.6	44 500			11.0	79.6	50.3	30 700
		10.0	80.2	47.4	37 600			12.0	78.4	50.1	26 000
		11.0	78.9	47.2	31 800			13.0	77.2	49.9	22 000
		12.0	77.6	47.0	27 000			14.0	76.0	49.6	18 500
		13.0	76.3	46.7	22 900			15.0	74.8	49.3	15 500
		14.0	75.0	46.4	19 300			16.0	73.5	49.0	12 800
		15.0	73.7	46.2	16 100			18.0	71.1	48.4	8 300
		16.0	72.4	45.8	13 400						
		18.0	69.7	45.1	8 800						

REFERENCED ONLY!