

LIFT CRANE BOOM CAPACITIES WITH LUFFING JIB ATTACHED

EUROPEAN
STANDARDS

888 SERIES 2

BOOM NO. 22EL

LUFFING JIB NO. 135

81 240 kg CRANE COUNTERWEIGHT

19 960 kg CARBODY COUNTERWEIGHT

8 585 mm CRAWLERS EXTENDED

360 DEGREE RATING

CAPACITIES FOR VARIOUS BOOM LENGTHS AND OPERATING RADII ARE FOR FREELY SUSPENDED LOADS AND ARE CALCULATED TO COMPLY WITH DIN 15018, ISO 4305, AND NEN 2022 STANDARDS AND INCLUDE FACTORS BASED ON 4.5 DEGREE MINIMUM TIPPING ANGLE. CAPACITIES BASED ON STRUCTURAL COMPETENCE ARE DENOTED BY AN ASTERISK (*).

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

WEIGHT OF ALL LOAD BLOCKS, HOOKS, WEIGHT BALL, SLINGS, HOIST LINES, ETC., BENEATH BOOM POINT SHEAVES, IS CONSIDERED PART OF MAIN BOOM LOAD. WEIGHT OF LUFFING JIB AND 1 280 kg SUSPENDED BENEATH LUFFING JIB POINT SHEAVES HAVE BEEN INCLUDED IN CAPACITY DETERMINATION. BOOM IS NOT TO BE LOWERED BEYOND RADII WHERE COMBINED WEIGHTS ARE GREATER THAN RATED CAPACITY. WHERE NO CAPACITY IS SHOWN, OPERATION IS NOT INTENDED OR APPROVED.

MACHINE TO OPERATE IN A LEVEL POSITION ON A FIRM UNIFORMLY SUPPORTING SURFACE WITH 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, 81 240 kg CRANE COUNTERWEIGHT AND 19 960 kg CARBODY COUNTERWEIGHT.

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

WIND LIMITS DURING OPERATION			
14 m/s MAXIMUM WIND VELOCITY		10 m/s MAXIMUM WIND VELOCITY	
BOOM LENGTH	LUFFING JIB LENGTH	BOOM LENGTH	LUFFING JIB LENGTH
METERS	METERS	METERS	METERS
21.3 - 42.7	21.3 - 51.8	45.7	48.8 - 51.8
45.7	21.3 - 45.7	48.8	45.7 - 51.8
48.8	21.3 - 42.7	51.8	42.7 - 51.8
51.8	21.3 - 39.6	54.9 - 57.9	39.6 - 51.8
54.9 - 57.9	21.3 - 36.6		

CONSULT CHART NO. 7857-AM FOR LUFFING JIB CAPACITIES

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BOOM NO. 22EL

LUFFING JIB NO. 135

81 240 kg CRANE COUNTERWEIGHT

19 960 kg CARBODY COUNTERWEIGHT

8 585 mm CRAWLERS EXTENDED

360 DEGREE RATING

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	177 300*	3 6 6	1 2 0	6.7	82.9	38.7	111 300
		5.0	82.5	23.5	173 000*			7.0	82.5	38.6	105 900
		5.5	81.1	23.4	156 700*			7.5	81.7	38.6	97 200
		6.0	79.7	23.3	143 000*			8.0	80.9	38.5	89 700
		6.5	78.4	23.2	131 300*			8.5	80.1	38.4	83 200
		7.0	77.0	23.1	121 100*			9.0	79.3	38.3	77 300
		7.5	75.6	23.0	112 200*			10.0	77.7	38.0	67 400
		8.0	74.2	22.8	104 300*			11.0	76.1	37.8	59 300
		8.5	72.8	22.6	97 300*			12.0	74.4	37.5	52 600
		9.0	71.3	22.5	91 000*			13.0	72.8	37.2	46 800
2 4 4	8 0	5.2	83.0	26.6	166 300*	3 9 6	1 3 0	14.0	71.1	36.8	42 000
		5.5	82.2	26.5	156 400*			7.3	82.6	41.7	96 500
		6.0	81.0	26.4	142 700*			7.5	82.3	41.6	93 800
		6.5	79.8	26.3	130 900*			8.0	81.6	41.6	86 700
		7.0	78.6	26.2	120 800*			8.5	80.9	41.5	80 500
		7.5	77.4	26.1	111 900*			9.0	80.1	41.4	74 900
		8.0	76.2	26.0	103 900			10.0	78.6	41.2	65 500
		8.5	75.0	25.8	96 000			11.0	77.2	40.9	57 700
		9.0	73.8	25.7	88 800			12.0	75.7	40.7	51 200
		10.0	71.3	25.3	76 600			13.0	74.2	40.4	45 700
2 7 4	9 0	5.8	82.5	29.6	148 100*	4 2 7	1 4 0	14.0	72.6	40.1	41 000
		6.0	82.0	29.5	142 800*			15.0	71.1	39.7	36 800
		6.5	81.0	29.4	131 000*			7.9	82.3	44.7	84 500
		7.0	79.9	29.3	120 100			8.0	82.2	44.6	83 700
		7.5	78.9	29.2	109 400			8.5	81.5	44.6	77 700
		8.0	77.8	29.1	100 500			9.0	80.8	44.5	72 500
		8.5	76.7	29.0	92 700			10.0	79.5	44.3	63 400
		9.0	75.6	28.9	85 800			11.0	78.1	44.1	56 000
		10.0	73.4	28.6	74 200			12.0	76.7	43.8	49 800
								13.0	75.3	43.6	44 500
3 0 5	1 0 0	6.1	82.7	32.6	136 800	4 5 7	1 5 0	14.0	73.9	43.3	39 900
		6.5	81.9	32.5	126 500			15.0	72.5	43.0	35 900
		7.0	80.9	32.5	114 900			7.9	82.8	47.7	81 600
		7.5	80.0	32.4	105 200			8.0	82.7	47.7	80 800
		8.0	79.0	32.3	96 800			8.5	82.1	47.6	75 200
		8.5	78.1	32.1	89 500			9.0	81.4	47.6	70 100
		9.0	77.1	32.0	83 000			10.0	80.2	47.4	61 500
		10.0	75.1	31.7	72 000			11.0	78.9	47.2	54 400
		11.0	73.2	31.4	63 200			12.0	77.6	47.0	48 400
		12.0	71.2	31.1	55 800			13.0	76.3	46.7	43 200
3 3 5	1 1 0	6.7	82.3	35.6	116 200	4 8 8	1 6 0	14.0	75.0	46.4	38 800
		7.0	81.8	35.5	110 500			15.0	73.7	46.2	34 900
		7.5	80.9	35.5	101 100			16.0	72.4	45.8	31 500
		8.0	80.0	35.4	93 300			8.5	82.5	50.7	72 200
		8.5	79.2	35.3	86 300			9.0	82.0	50.7	67 800
		9.0	78.3	35.2	80 100			10.0	80.8	50.5	59 500
		10.0	76.5	34.9	69 700			11.0	79.6	50.3	52 600
		11.0	74.8	34.6	61 200			12.0	78.4	50.1	46 800
		12.0	73.0	34.3	54 200			13.0	77.2	49.9	41 800
		13.0	71.2	34.0	48 300			14.0	76.0	49.6	37 500

MANITOWOC ENGINEERING CO.

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



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BOOM LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	BOOM CAPACITY KILOGRAMS	BOOM LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	BOOM CAPACITY KILOGRAMS
5	1	8.5	83.0	53.8	69 900	5	1	9.8	82.5	59.8	51 700*
		9.0	82.5	53.7	65 700			10.0	82.3	59.8	51 700*
		10.0	81.3	53.6	57 800			11.0	81.3	59.6	48 800
		11.0	80.2	53.4	51 200			12.0	80.3	59.4	43 500
		12.0	79.1	53.2	45 600			13.0	79.2	59.2	39 000
		13.0	78.0	53.0	40 800			14.0	78.2	59.0	35 100
1	7	14.0	76.8	52.8	36 600	7	9	15.0	77.2	58.8	31 700
		15.0	75.7	52.5	33 000			16.0	76.2	58.5	28 600
		16.0	74.5	52.2	29 700			18.0	74.2	58.0	23 400
		18.0	72.2	51.6	24 300			20.0	72.1	57.3	19 100
8	0	9.1	82.7	56.8	62 300	9	0	10.0	81.8	56.7	55 900
		10.0	81.8	56.7	55 900			11.0	80.8	56.5	49 600
		11.0	80.8	56.5	49 600			12.0	79.7	56.3	44 200
		12.0	79.7	56.3	44 200			13.0	78.6	56.1	39 500
		13.0	78.6	56.1	39 500			14.0	77.6	55.9	35 500
		14.0	77.6	55.9	35 500			15.0	76.5	55.6	31 900
4	8	15.0	76.5	55.6	31 900	9	0	16.0	75.4	55.4	28 700
		16.0	75.4	55.4	28 700			18.0	73.2	54.8	23 400
		18.0	73.2	54.8	23 400						

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2 1 3	7 0	4.9	82.8	23.5	177 300*	3 3 5	1 1 0	6.7	82.3	35.6	115 900
		5.0	82.5	23.5	173 000*			7.0	81.8	35.5	110 200
		5.5	81.1	23.4	156 600*			7.5	80.9	35.5	100 800
		6.0	79.7	23.3	142 900*			8.0	80.0	35.4	92 800
		6.5	78.4	23.2	131 000*			8.5	79.2	35.3	85 900
		7.0	77.0	23.1	120 700*			9.0	78.3	35.2	79 700
		7.5	75.6	23.0	111 800*			10.0	76.5	34.9	69 200
		8.0	74.2	22.8	103 900*			11.0	74.8	34.6	60 700
		8.5	72.8	22.6	96 800*			12.0	73.0	34.3	53 600
		9.0	71.3	22.5	90 500*			13.0	71.2	34.0	47 600
2 4 4	8 0	10.0	68.4	22.1	78 500	3 6 6	1 2 0	14.0	69.3	33.6	42 500
		5.2	83.0	26.6	166 400*			15.0	67.5	33.2	38 100
		5.5	82.2	26.5	156 300*			16.0	65.6	32.7	34 300
		6.0	81.0	26.4	142 600*			6.7	82.9	38.7	111 000
		6.5	79.8	26.3	130 800*			7.0	82.5	38.6	105 700
		7.0	78.6	26.2	120 500*			7.5	81.7	38.6	96 900
		7.5	77.4	26.1	111 600*			8.0	80.9	38.5	89 400
		8.0	76.2	26.0	103 500			8.5	80.1	38.4	82 800
		8.5	75.0	25.8	95 400			9.0	79.3	38.3	76 900
		9.0	73.8	25.7	88 000			10.0	77.7	38.0	66 900
2 7 4	9 0	10.0	71.3	25.3	75 800	3 9 6	1 3 0	11.0	76.1	37.8	58 800
		11.0	68.8	24.9	66 100			12.0	74.4	37.5	52 000
		12.0	66.2	24.5	58 100			13.0	72.8	37.2	46 200
		5.8	82.5	29.6	148 100*			14.0	71.1	36.8	41 300
		6.0	82.0	29.5	142 800*			15.0	69.5	36.5	37 000
		6.5	81.0	29.4	130 800			16.0	67.8	36.1	33 300
		7.0	79.9	29.3	119 800			7.3	82.6	41.7	96 200
		7.5	78.9	29.2	109 000			7.5	82.3	41.6	93 600
		8.0	77.8	29.1	100 000			8.0	81.6	41.6	86 300
		8.5	76.7	29.0	92 100			8.5	80.9	41.5	80 100
3 0 5	1 0 0	9.0	75.6	28.9	85 200	4 2 7	1 4 0	9.0	80.1	41.4	74 500
		10.0	73.4	28.6	73 600			10.0	78.6	41.2	65 000
		11.0	71.2	28.2	64 300			11.0	77.2	40.9	57 200
		12.0	69.0	27.8	56 600			12.0	75.7	40.7	50 600
		13.0	66.7	27.4	50 100			13.0	74.2	40.4	45 100
		14.0	64.4	26.9	44 700			14.0	72.6	40.1	40 400
		6.1	82.7	32.6	136 500			15.0	71.1	39.7	36 200
		6.5	81.9	32.5	126 200			16.0	69.6	39.4	32 600
		7.0	80.9	32.5	114 500			18.0	66.4	38.5	26 500
		7.5	80.0	32.4	104 800			7.9	82.3	44.7	84 300
3 0 5	1 0 0	8.0	79.0	32.3	96 400			8.0	82.2	44.6	83 400
		8.5	78.1	32.1	89 000			8.5	81.5	44.6	77 400
		9.0	77.1	32.0	82 400			9.0	80.8	44.5	72 100
		10.0	75.1	31.7	71 400			10.0	79.5	44.3	63 100
		11.0	73.2	31.4	62 600			11.0	78.1	44.1	55 600
		12.0	71.2	31.1	55 200			12.0	76.7	43.8	49 300
		13.0	69.2	30.7	49 000			13.0	75.3	43.6	43 900
		14.0	67.1	30.3	43 700			14.0	73.9	43.3	39 300
		15.0	65.1	29.8	39 200			15.0	72.5	43.0	35 300
								16.0	71.1	42.6	31 800
								18.0	68.2	41.8	25 900

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

BOOM LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	BOOM CAPACITY KILOGRAMS	BOOM LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	BOOM CAPACITY KILOGRAMS
4 5 7	1 5 0	7.9	82.8	47.7	81 400	5 4 9	1 8 0	9.1	82.7	56.8	62 000
		8.0	82.7	47.7	80 500			10.0	81.8	56.7	55 600
		8.5	82.1	47.6	74 900			11.0	80.8	56.5	49 200
		9.0	81.4	47.6	69 800			12.0	79.7	56.3	43 800
		10.0	80.2	47.4	61 100			13.0	78.6	56.1	39 100
		11.0	78.9	47.2	54 000			14.0	77.6	55.9	35 000
		12.0	77.6	47.0	47 900			15.0	76.5	55.6	31 400
		13.0	76.3	46.7	42 700			16.0	75.4	55.4	28 300
		14.0	75.0	46.4	38 200			18.0	73.2	54.8	22 900
		15.0	73.7	46.2	34 300			20.0	71.0	54.1	18 600
4 8 8	1 6 0	16.0	72.4	45.8	30 900	5 7 9	1 9 0	22.0	68.8	53.4	15 000
		18.0	69.7	45.1	25 100			24.0	66.5	52.5	11 900
		20.0	67.0	44.3	20 500			9.8	82.5	59.8	51 700*
		8.5	82.5	50.7	71 900			10.0	82.3	59.8	51 700*
		9.0	82.0	50.7	67 500			11.0	81.3	59.6	48 400
		10.0	80.8	50.5	59 100			12.0	80.3	59.4	43 200
		11.0	79.6	50.3	52 200			13.0	79.2	59.2	38 600
		12.0	78.4	50.1	46 400			14.0	78.2	59.0	34 700
		13.0	77.2	49.9	41 400			15.0	77.2	58.8	31 200
		14.0	76.0	49.6	37 000			16.0	76.2	58.5	28 100
5 1 8	1 7 0	15.0	74.8	49.3	33 300			18.0	74.2	58.0	22 900
		16.0	73.5	49.0	29 900			20.0	72.1	57.3	18 600
		18.0	71.1	48.4	24 300			22.0	70.0	56.6	15 100
		20.0	68.5	47.6	19 700			24.0	67.8	55.8	12 100
		22.0	66.0	46.7	16 000			26.0	65.7	54.9	9 500
		8.5	83.0	53.8	69 700			8.5	83.0	53.8	69 700
		9.0	82.5	53.7	65 500			9.0	82.5	53.7	65 500
		10.0	81.3	53.6	57 500			10.0	81.3	53.6	57 500
		11.0	80.2	53.4	50 800			11.0	80.2	53.4	50 800
		12.0	79.1	53.2	45 200			12.0	79.1	53.2	45 200
		13.0	78.0	53.0	40 400			13.0	78.0	53.0	40 400
		14.0	76.8	52.8	36 200			14.0	76.8	52.8	36 200
		15.0	75.7	52.5	32 500			15.0	75.7	52.5	32 500
		16.0	74.5	52.2	29 200			16.0	74.5	52.2	29 200
		18.0	72.2	51.6	23 700			18.0	72.2	51.6	23 700
		20.0	69.9	50.9	19 300			20.0	69.9	50.9	19 300
		22.0	67.5	50.1	15 600			22.0	67.5	50.1	15 600
		24.0	65.1	49.2	12 500			24.0	65.1	49.2	12 500

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81 240 kg CRANE COUNTERWEIGHT

19 960 kg CARBODY COUNTERWEIGHT

8 585 mm CRAWLERS EXTENDED

360 DEGREE RATING

27.4m (90 FT.) LUFFING JIB,

ATTACHED AT 150 DEGREE BOOM TO LUFFING JIB ANGLE

BOOM LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	BOOM CAPACITY KILOGRAMS	BOOM LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	BOOM CAPACITY KILOGRAMS
2 1 3	7 0	4.9	82.8	23.5	175 400*	3 3 5	1 1 0	6.7	82.3	35.6	114 100
		5.0	82.5	23.5	171 100*			7.0	81.8	35.5	108 400
		5.5	81.1	23.4	154 800*			7.5	80.9	35.5	99 000
		6.0	79.7	23.3	141 100*			8.0	80.0	35.4	91 200
		6.5	78.4	23.2	129 300*			8.5	79.2	35.3	84 300
		7.0	77.0	23.1	119 100*			9.0	78.3	35.2	78 100
		7.5	75.6	23.0	110 200*			10.0	76.5	34.9	67 800
		8.0	74.2	22.8	102 300*			11.0	74.8	34.6	59 300
		8.5	72.8	22.6	95 300*			12.0	73.0	34.3	52 300
		9.0	71.3	22.5	89 000*			13.0	71.2	34.0	46 400
2 4 4	8 0	10.0	68.4	22.1	76 600	3 6 6	2 0	14.0	69.3	33.6	41 300
		5.2	83.0	26.6	164 500*			15.0	67.5	33.2	37 000
		5.5	82.2	26.5	154 500*			16.0	65.6	32.7	33 200
		6.0	81.0	26.4	140 900*			6.7	82.9	38.7	109 300
		6.5	79.8	26.3	129 100*			7.0	82.5	38.6	103 900
		7.0	78.6	26.2	118 900*			7.5	81.7	38.6	95 200
		7.5	77.4	26.1	110 000			8.0	80.9	38.5	87 800
		8.0	76.2	26.0	101 900			8.5	80.1	38.4	81 200
		8.5	75.0	25.8	93 600			9.0	79.3	38.3	75 400
		9.0	73.8	25.7	86 200			10.0	77.7	38.0	65 600
2 7 4	9 0	10.0	71.3	25.3	74 100			11.0	76.1	37.8	57 500
		11.0	68.8	24.9	64 500			12.0	74.4	37.5	50 700
		12.0	66.2	24.5	56 600			13.0	72.8	37.2	45 000
		5.8	82.5	29.6	146 400*			14.0	71.1	36.8	40 100
		6.0	82.0	29.5	141 000*			15.0	69.5	36.5	35 900
		6.5	81.0	29.4	128 900			16.0	67.8	36.1	32 200
		7.0	79.9	29.3	117 700			7.3	82.6	41.7	94 600
		7.5	78.9	29.2	107 000			7.5	82.3	41.6	91 900
		8.0	77.8	29.1	98 100			8.0	81.6	41.6	84 800
		8.5	76.7	29.0	90 300			8.5	80.9	41.5	78 600
3 0 5	1 0 0	9.0	75.6	28.9	83 500	3 9 6	1 3 0	9.0	80.1	41.4	73 100
		10.0	73.4	28.6	72 000			10.0	78.6	41.2	63 700
		11.0	71.2	28.2	62 800			11.0	77.2	40.9	55 900
		12.0	69.0	27.8	55 100			12.0	75.7	40.7	49 400
		13.0	66.7	27.4	48 800			13.0	74.2	40.4	43 900
		14.0	64.4	26.9	43 400			14.0	72.6	40.1	39 200
		6.1	82.7	32.6	134 400			15.0	71.1	39.7	35 100
		6.5	81.9	32.5	124 200			16.0	69.6	39.4	31 500
		7.0	80.9	32.5	112 600			18.0	66.4	38.5	25 500
		7.5	80.0	32.4	103 000	4 2 7	1 4 0	7.9	82.3	44.7	82 700
		8.0	79.0	32.3	94 600			8.0	82.2	44.6	81 800
		8.5	78.1	32.1	87 300			8.5	81.5	44.6	76 000
		9.0	77.1	32.0	80 800			9.0	80.8	44.5	70 700
		10.0	75.1	31.7	69 900			10.0	79.5	44.3	61 700
		11.0	73.2	31.4	61 100			11.0	78.1	44.1	54 300
		12.0	71.2	31.1	53 800			12.0	76.7	43.8	48 100
		13.0	69.2	30.7	47 700			13.0	75.3	43.6	42 800
		14.0	67.1	30.3	42 500			14.0	73.9	43.3	38 200
		15.0	65.1	29.8	38 000			15.0	72.5	43.0	34 200
								16.0	71.1	42.6	30 700
								18.0	68.2	41.8	24 900

MANITOWOC ENGINEERING CO.

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



LIFT CRANE BOOM CAPACITIES WITH LUFFING JIB ATTACHED

EUROPEAN
STANDARDS

888 SERIES 2

BOOM NO. 22EL

LUFFING JIB NO. 135

81 240 kg CRANE COUNTERWEIGHT

19 960 kg CARBODY COUNTERWEIGHT

8 585 mm CRAWLERS EXTENDED

360 DEGREE RATING

27.4m (90 FT.) LUFFING JIB,

ATTACHED AT 150 DEGREE BOOM TO LUFFING JIB ANGLE

BOOM LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	BOOM CAPACITY KILOGRAMS	BOOM LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	BOOM CAPACITY KILOGRAMS
4 5 7	1 5 0	7.9	82.8	47.7	79 900	5 4 9	1 8 0	9.1	82.7	56.8	60 800
		8.0	82.7	47.7	79 100			10.0	81.8	56.7	54 400
		8.5	82.1	47.6	73 500			11.0	80.8	56.5	48 100
		9.0	81.4	47.6	68 400			12.0	79.7	56.3	42 700
		10.0	80.2	47.4	59 900			13.0	78.6	56.1	38 000
		11.0	78.9	47.2	52 700			14.0	77.6	55.9	34 000
		12.0	77.6	47.0	46 700			15.0	76.5	55.6	30 500
		13.0	76.3	46.7	41 600			16.0	75.4	55.4	27 300
		14.0	75.0	46.4	37 200			18.0	73.2	54.8	22 000
		15.0	73.7	46.2	33 300			20.0	71.0	54.1	17 700
4 8 8	1 6 0	16.0	72.4	45.8	29 900	5 7 9	1 9 0	22.0	68.8	53.4	14 200
		18.0	69.7	45.1	24 200			24.0	66.5	52.5	11 100
		20.0	67.0	44.3	19 600			9.8	82.5	59.8	51 700*
		8.5	82.5	50.7	70 500			10.0	82.3	59.8	51 400
		9.0	82.0	50.7	66 200			11.0	81.3	59.6	47 300
		10.0	80.8	50.5	57 900			12.0	80.3	59.4	42 100
		11.0	79.6	50.3	51 000			13.0	79.2	59.2	37 600
		12.0	78.4	50.1	45 300			14.0	78.2	59.0	33 700
		13.0	77.2	49.9	40 300			15.0	77.2	58.8	30 200
		14.0	76.0	49.6	36 000			16.0	76.2	58.5	27 200
5 1 8	1 7 0	15.0	74.8	49.3	32 200			18.0	74.2	58.0	22 000
		16.0	73.5	49.0	29 000			20.0	72.1	57.3	17 800
		18.0	71.1	48.4	23 400			22.0	70.0	56.6	14 300
		20.0	68.5	47.6	18 800			24.0	67.8	55.8	11 300
		22.0	66.0	46.7	15 200			26.0	65.7	54.9	8 800
		8.5	83.0	53.8	68 300			8.5	83.0	53.8	68 300
		9.0	82.5	53.7	64 200			9.0	82.5	53.7	64 200
		10.0	81.3	53.6	56 200			10.0	81.3	53.6	56 200
		11.0	80.2	53.4	49 700			11.0	80.2	53.4	49 700
		12.0	79.1	53.2	44 100			12.0	79.1	53.2	44 100
		13.0	78.0	53.0	39 300			13.0	78.0	53.0	39 300
		14.0	76.8	52.8	35 100			14.0	76.8	52.8	35 100
		15.0	75.7	52.5	31 500			15.0	75.7	52.5	31 500
		16.0	74.5	52.2	28 300			16.0	74.5	52.2	28 300
		18.0	72.2	51.6	22 800			18.0	72.2	51.6	22 800
		20.0	69.9	50.9	18 400			20.0	69.9	50.9	18 400
		22.0	67.5	50.1	14 800			22.0	67.5	50.1	14 800
		24.0	65.1	49.2	11 700			24.0	65.1	49.2	11 700

LIFT CRANE BOOM CAPACITIES WITH LUFFING JIB ATTACHED

EUROPEAN
STANDARDS

888 SERIES 2

BOOM NO. 22EL

LUFFING JIB NO. 135

81 240 kg CRANE COUNTERWEIGHT

19 960 kg CARBODY COUNTERWEIGHT

8 585 mm CRAWLERS EXTENDED

360 DEGREE RATING

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

BOOM LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	BOOM CAPACITY KILOGRAMS	BOOM LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	BOOM CAPACITY KILOGRAMS
2 1 3	7 0	4.9	82.8	23.5	176 800*	3 0 5	1 0 0	6.1	82.7	32.6	135 500
		5.0	82.5	23.5	172 400*			6.5	81.9	32.5	125 100
		5.5	81.1	23.4	155 900*			7.0	80.9	32.5	113 300
		6.0	79.7	23.3	142 000*			7.5	80.0	32.4	103 500
		6.5	78.4	23.2	130 000*			8.0	79.0	32.3	95 100
		7.0	77.0	23.1	119 700*			8.5	78.1	32.1	87 600
		7.5	75.6	23.0	110 600*			9.0	77.1	32.0	81 100
		8.0	74.2	22.8	102 600*			10.0	75.1	31.7	70 000
		8.5	72.8	22.6	95 500*			11.0	73.2	31.4	61 100
		9.0	71.3	22.5	89 000			12.0	71.2	31.1	53 700
		10.0	68.4	22.1	76 400			13.0	69.2	30.7	47 400
		11.0	65.5	21.6	66 100			14.0	67.1	30.3	42 100
		12.0	62.5	21.1	57 700			15.0	65.1	29.8	37 600
		13.0	59.3	20.5	50 300			16.0	62.9	29.3	33 600
								18.0	58.6	28.1	26 900
2 4 4	8 0	5.2	83.0	26.6	165 800*	3 3 5	1 1 0	6.7	82.3	35.6	114 900
		5.5	82.2	26.5	155 800*			7.0	81.8	35.5	109 100
		6.0	81.0	26.4	141 900*			7.5	80.9	35.5	99 700
		6.5	79.8	26.3	129 900*			8.0	80.0	35.4	91 700
		7.0	78.6	26.2	119 600*			8.5	79.2	35.3	84 700
		7.5	77.4	26.1	110 500			9.0	78.3	35.2	78 400
		8.0	76.2	26.0	102 200			10.0	76.5	34.9	67 900
		8.5	75.0	25.8	93 700			11.0	74.8	34.6	59 300
		9.0	73.8	25.7	86 300			12.0	73.0	34.3	52 200
		10.0	71.3	25.3	74 100			13.0	71.2	34.0	46 200
		11.0	68.8	24.9	64 300			14.0	69.3	33.6	41 100
		12.0	66.2	24.5	56 200			15.0	67.5	33.2	36 700
		13.0	63.5	24.0	49 500			16.0	65.6	32.7	32 800
		14.0	60.9	23.4	43 800			18.0	61.7	31.7	26 400
		15.0	58.1	22.8	38 400						
2 7 4	9 0	5.8	82.5	29.6	147 500*	3 6 6	1 2 0	6.7	82.9	38.7	110 100
		6.0	82.0	29.5	142 100*			7.0	82.5	38.6	104 700
		6.5	81.0	29.4	129 800			7.5	81.7	38.6	95 800
		7.0	79.9	29.3	118 400			8.0	80.9	38.5	88 300
		7.5	78.9	29.2	107 600			8.5	80.1	38.4	81 700
		8.0	77.8	29.1	98 500			9.0	79.3	38.3	75 800
		8.5	76.7	29.0	90 600			10.0	77.7	38.0	65 700
		9.0	75.6	28.9	83 700			11.0	76.1	37.8	57 500
		10.0	73.4	28.6	72 000			12.0	74.4	37.5	50 700
		11.0	71.2	28.2	62 600			13.0	72.8	37.2	44 900
		12.0	69.0	27.8	54 900			14.0	71.1	36.8	40 000
		13.0	66.7	27.4	48 400			15.0	69.5	36.5	35 700
		14.0	64.4	26.9	43 000			16.0	67.8	36.1	31 900
		15.0	62.0	26.4	38 200			18.0	64.3	35.1	25 600
		16.0	59.6	25.8	34 000			20.0	60.7	34.0	20 700

MANITOWOC ENGINEERING CO.

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



LIFT CRANE BOOM CAPACITIES WITH LUFFING JIB ATTACHED

EUROPEAN
STANDARDS

888 SERIES 2

BOOM NO. 22EL

LUFFING JIB NO. 135

81 240 kg CRANE COUNTERWEIGHT

19 960 kg CARBODY COUNTERWEIGHT

8 585 mm CRAWLERS EXTENDED

360 DEGREE RATING

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

BOOM LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	BOOM CAPACITY KILOGRAMS	BOOM LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	BOOM CAPACITY KILOGRAMS
3 9 · 6	1 3 0	7.3	82.6	41.7	95 200	4 8 · 8	1 6 0	8.5	82.5	50.7	71 000
		7.5	82.3	41.6	92 500			9.0	82.0	50.7	66 500
		8.0	81.6	41.6	85 300			10.0	80.8	50.5	58 100
		8.5	80.9	41.5	79 000			11.0	79.6	50.3	51 200
		9.0	80.1	41.4	73 400			12.0	78.4	50.1	45 300
		10.0	78.6	41.2	63 900			13.0	77.2	49.9	40 300
		11.0	77.2	40.9	56 000			14.0	76.0	49.6	36 000
		12.0	75.7	40.7	49 400			15.0	74.8	49.3	32 100
		13.0	74.2	40.4	43 900			16.0	73.5	49.0	28 800
		14.0	72.6	40.1	39 100			18.0	71.1	48.4	23 100
		15.0	71.1	39.7	34 900			20.0	68.5	47.6	18 600
		16.0	69.6	39.4	31 200			22.0	66.0	46.7	14 800
4 2 · 7	1 4 0	18.0	66.4	38.5	25 200	5 1 · 8	1 7 0	24.0	63.4	45.7	11 600
		20.0	63.2	37.5	20 300			26.0	60.7	44.6	9 000
		22.0	59.9	36.4	16 300			8.5	83.0	53.8	68 800
		7.9	82.3	44.7	83 300			9.0	82.5	53.7	64 600
		8.0	82.2	44.6	82 400			10.0	81.3	53.6	56 500
		8.5	81.5	44.6	76 400			11.0	80.2	53.4	49 900
		9.0	80.8	44.5	71 100			12.0	79.1	53.2	44 200
		10.0	79.5	44.3	61 900			13.0	78.0	53.0	39 300
		11.0	78.1	44.1	54 400			14.0	76.8	52.8	35 100
		12.0	76.7	43.8	48 100			15.0	75.7	52.5	31 400
		13.0	75.3	43.6	42 700			16.0	74.5	52.2	28 100
		14.0	73.9	43.3	38 100			18.0	72.2	51.6	22 600
4 5 · 7	1 5 0	15.0	72.5	43.0	34 000	5 4 · 9	1 8 0	20.0	69.9	50.9	18 200
		16.0	71.1	42.6	30 500			22.0	67.5	50.1	14 400
		18.0	68.2	41.8	24 600			24.0	65.1	49.2	11 300
		20.0	65.3	40.9	19 800			26.0	62.6	48.1	8 700
		22.0	62.2	39.9	15 900			28.0	60.0	47.0	6 400
		24.0	59.1	38.7	12 600			9.1	82.7	56.8	61 100
		7.9	82.8	47.7	80 500			10.0	81.8	56.7	54 700
		8.0	82.7	47.7	79 600			11.0	80.8	56.5	48 300
		8.5	82.1	47.6	73 900			12.0	79.7	56.3	42 800
		9.0	81.4	47.6	68 800			13.0	78.6	56.1	38 100
		10.0	80.2	47.4	60 100			14.0	77.6	55.9	34 000
		11.0	78.9	47.2	52 900			15.0	76.5	55.6	30 400
5 7 · 9	1 9 0	12.0	77.6	47.0	46 800			16.0	75.4	55.4	27 200
		13.0	76.3	46.7	41 600			18.0	73.2	54.8	21 800
		14.0	75.0	46.4	37 100			20.0	71.0	54.1	17 400
		15.0	73.7	46.2	33 200			22.0	68.8	53.4	13 800
		16.0	72.4	45.8	29 700			24.0	66.5	52.5	10 800
		18.0	69.7	45.1	23 900			26.0	64.2	51.6	8 200
		20.0	67.0	44.3	19 200			28.0	61.9	50.5	5 900
		22.0	64.3	43.3	15 400			9.8	82.5	59.8	51 700*
		24.0	61.4	42.3	12 200			10.0	82.3	59.8	51 500
								11.0	81.3	59.6	47 500
								12.0	80.3	59.4	42 200
								13.0	79.2	59.2	37 700
								14.0	78.2	59.0	33 700
								15.0	77.2	58.8	30 200
								16.0	76.2	58.5	27 100
								18.0	74.2	58.0	21 800
								20.0	72.1	57.3	17 500
								22.0	70.0	56.6	14 000
								24.0	67.8	55.8	10 900
								26.0	65.7	54.9	8 400
								28.0	63.5	54.0	6 200

LIFT CRANE BOOM CAPACITIES WITH LUFFING JIB ATTACHED

EUROPEAN
STANDARDS

888 SERIES 2

BOOM NO. 22EL

LUFFING JIB NO. 135

81 240 kg CRANE COUNTERWEIGHT

19 960 kg CARBODY COUNTERWEIGHT

8 585 mm CRAWLERS EXTENDED

360 DEGREE RATING

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

BOOM LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	BOOM CAPACITY KILOGRAMS	BOOM LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	BOOM CAPACITY KILOGRAMS
2 1 · 3	7 0	4.9	82.8	23.5	175 400*	3 0 · 5	1 0 0	6.1	82.7	32.6	134 000
		5.0	82.5	23.5	171 100*			6.5	81.9	32.5	123 700
		5.5	81.1	23.4	154 600*			7.0	80.9	32.5	112 000
		6.0	79.7	23.3	140 800*			7.5	80.0	32.4	102 300
		6.5	78.4	23.2	128 900*			8.0	79.0	32.3	93 900
		7.0	77.0	23.1	118 600*			8.5	78.1	32.1	86 500
		7.5	75.6	23.0	109 500*			9.0	77.1	32.0	79 900
		8.0	74.2	22.8	101 500*			10.0	75.1	31.7	68 900
		8.5	72.8	22.6	94 400*			11.0	73.2	31.4	60 100
		9.0	71.3	22.5	87 800			12.0	71.2	31.1	52 700
		10.0	68.4	22.1	75 100			13.0	69.2	30.7	46 500
		11.0	65.5	21.6	64 900			14.0	67.1	30.3	41 300
		12.0	62.5	21.1	56 600			15.0	65.1	29.8	36 800
		13.0	59.3	20.5	49 300			16.0	62.9	29.3	32 800
								18.0	58.6	28.1	26 200
2 4 · 4	8 0	5.2	83.0	26.6	164 600*	3 3 · 5	1 1 0	6.7	82.3	35.6	113 600
		5.5	82.2	26.5	154 500*			7.0	81.8	35.5	107 800
		6.0	81.0	26.4	140 700*			7.5	80.9	35.5	98 500
		6.5	79.8	26.3	128 800*			8.0	80.0	35.4	90 500
		7.0	78.6	26.2	118 500*			8.5	79.2	35.3	83 500
		7.5	77.4	26.1	109 400			9.0	78.3	35.2	77 400
		8.0	76.2	26.0	100 800			10.0	76.5	34.9	66 900
		8.5	75.0	25.8	92 400			11.0	74.8	34.6	58 400
		9.0	73.8	25.7	85 100			12.0	73.0	34.3	51 300
		10.0	71.3	25.3	72 900			13.0	71.2	34.0	45 300
		11.0	68.8	24.9	63 100			14.0	69.3	33.6	40 300
		12.0	66.2	24.5	55 100			15.0	67.5	33.2	35 800
		13.0	63.5	24.0	48 500			16.0	65.6	32.7	32 000
		14.0	60.9	23.4	42 900			18.0	61.7	31.7	25 700
		15.0	58.1	22.8	37 500						
2 7 · 4	9 0	5.8	82.5	29.6	146 400*	3 6 · 6	1 2 0	6.7	82.9	38.7	108 800
		6.0	82.0	29.5	141 000*			7.0	82.5	38.6	103 400
		6.5	81.0	29.4	128 500			7.5	81.7	38.6	94 700
		7.0	79.9	29.3	116 900			8.0	80.9	38.5	87 200
		7.5	78.9	29.2	106 200			8.5	80.1	38.4	80 600
		8.0	77.8	29.1	97 200			9.0	79.3	38.3	74 800
		8.5	76.7	29.0	89 400			10.0	77.7	38.0	64 800
		9.0	75.6	28.9	82 500			11.0	76.1	37.8	56 600
		10.0	73.4	28.6	70 900			12.0	74.4	37.5	49 800
		11.0	71.2	28.2	61 600			13.0	72.8	37.2	44 100
		12.0	69.0	27.8	53 900			14.0	71.1	36.8	39 200
		13.0	66.7	27.4	47 500			15.0	69.5	36.5	34 900
		14.0	64.4	26.9	42 100			16.0	67.8	36.1	31 200
		15.0	62.0	26.4	37 300			18.0	64.3	35.1	24 900
		16.0	59.6	25.8	33 200			20.0	60.7	34.0	20 000

MANITOWOC ENGINEERING CO.

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



LIFT CRANE BOOM CAPACITIES WITH LUFFING JIB ATTACHED

EUROPEAN
STANDARDS

888 SERIES 2

BOOM NO. 22EL

LUFFING JIB NO. 135

81 240 kg CRANE COUNTERWEIGHT

19 960 kg CARBODY COUNTERWEIGHT

8 585 mm CRAWLERS EXTENDED

360 DEGREE RATING

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

BOOM LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	BOOM CAPACITY KILOGRAMS	BOOM LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	BOOM CAPACITY KILOGRAMS
3 9 · 6	1 3 0	7.3	82.6	41.7	94 200	4 8 · 8	1 6 0	8.5	82.5	50.7	70 100
		7.5	82.3	41.6	91 500			9.0	82.0	50.7	65 700
		8.0	81.6	41.6	84 300			10.0	80.8	50.5	57 300
		8.5	80.9	41.5	78 000			11.0	79.6	50.3	50 400
		9.0	80.1	41.4	72 500			12.0	78.4	50.1	44 600
		10.0	78.6	41.2	63 000			13.0	77.2	49.9	39 600
		11.0	77.2	40.9	55 100			14.0	76.0	49.6	35 300
		12.0	75.7	40.7	48 600			15.0	74.8	49.3	31 500
		13.0	74.2	40.4	43 100			16.0	73.5	49.0	28 100
		14.0	72.6	40.1	38 300			18.0	71.1	48.4	22 500
		15.0	71.1	39.7	34 200			20.0	68.5	47.6	18 000
		16.0	69.6	39.4	30 600			22.0	66.0	46.7	14 200
4 2 · 7	1 4 0	18.0	66.4	38.5	24 500	5 1 · 8	1 7 0	24.0	63.4	45.7	11 100
		20.0	63.2	37.5	19 700			26.0	60.7	44.6	8 500
		22.0	59.9	36.4	15 700			8.5	83.0	53.8	67 900
								9.0	82.5	53.7	63 700
								10.0	81.3	53.6	55 700
								11.0	80.2	53.4	49 100
								12.0	79.1	53.2	43 500
								13.0	78.0	53.0	38 600
								14.0	76.8	52.8	34 500
								15.0	75.7	52.5	30 800
								16.0	74.5	52.2	27 500
								18.0	72.2	51.6	22 000
4 5 · 7	1 5 0	20.0	63.2	37.5	19 700	5 4 · 9	1 8 0	20.0	69.9	50.9	17 600
		22.0	62.2	39.9	15 300			22.0	67.5	50.1	13 900
		24.0	59.1	38.7	12 100			24.0	65.1	49.2	10 900
								26.0	62.6	48.1	8 200
								28.0	60.0	47.0	6 000
								9.1	82.7	56.8	60 300
								10.0	81.8	56.7	53 900
								11.0	80.8	56.5	47 600
								12.0	79.7	56.3	42 100
								13.0	78.6	56.1	37 400
								14.0	77.6	55.9	33 400
								15.0	76.5	55.6	29 800
5 7 · 9	1 9 0							16.0	75.4	55.4	26 600
								18.0	73.2	54.8	21 300
								20.0	71.0	54.1	16 900
								22.0	68.8	53.4	13 300
								24.0	66.5	52.5	10 300
								26.0	64.2	51.6	7 700
								28.0	61.9	50.5	5 500
								9.8	82.5	59.8	51 700*
								10.0	82.3	59.8	51 200
								11.0	81.3	59.6	46 800
								12.0	80.3	59.4	41 500
								13.0	79.2	59.2	37 000
								14.0	78.2	59.0	33 100
								15.0	77.2	58.8	29 600
								16.0	76.2	58.5	26 500
								18.0	74.2	58.0	21 300
								20.0	72.1	57.3	17 000
								22.0	70.0	56.6	13 500
								24.0	67.8	55.8	10 500
								26.0	65.7	54.9	8 000
								28.0	63.5	54.0	5 700

LIFT CRANE BOOM CAPACITIES WITH LUFFING JIB ATTACHED

EUROPEAN
STANDARDS

888 SERIES 2

BOOM NO. 22EL

LUFFING JIB NO. 135

81 240 kg CRANE COUNTERWEIGHT

19 960 kg CARBODY COUNTERWEIGHT

8 585 mm CRAWLERS EXTENDED

360 DEGREE RATING

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

BOOM LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	BOOM CAPACITY KILOGRAMS	BOOM LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	BOOM CAPACITY KILOGRAMS
2 1 · 3	7 0	4.9	82.8	23.5	173 400*	3 0 · 5	1 0 0	6.1	82.7	32.6	131 800
		5.0	82.5	23.5	169 100*			6.5	81.9	32.5	121 600
		5.5	81.1	23.4	152 700*			7.0	80.9	32.5	109 900
		6.0	79.7	23.3	138 900*			7.5	80.0	32.4	100 300
		6.5	78.4	23.2	127 100*			8.0	79.0	32.3	91 900
		7.0	77.0	23.1	116 800*			8.5	78.1	32.1	84 600
		7.5	75.6	23.0	107 800*			9.0	77.1	32.0	78 100
		8.0	74.2	22.8	99 800*			10.0	75.1	31.7	67 200
		8.5	72.8	22.6	92 800*			11.0	73.2	31.4	58 400
		9.0	71.3	22.5	85 800			12.0	71.2	31.1	51 100
		10.0	68.4	22.1	73 100			13.0	69.2	30.7	45 000
		11.0	65.5	21.6	63 000			14.0	67.1	30.3	39 800
		12.0	62.5	21.1	54 700			15.0	65.1	29.8	35 300
		13.0	59.3	20.5	47 600			16.0	62.9	29.3	31 300
								18.0	58.6	28.1	24 900
2 4 · 4	8 0	5.2	83.0	26.6	162 700*	3 3 · 5	1 1 0	6.7	82.3	35.6	111 600
		5.5	82.2	26.5	152 700*			7.0	81.8	35.5	105 900
		6.0	81.0	26.4	138 900*			7.5	80.9	35.5	96 600
		6.5	79.8	26.3	127 000*			8.0	80.0	35.4	88 700
		7.0	78.6	26.2	116 800*			8.5	79.2	35.3	81 800
		7.5	77.4	26.1	107 600			9.0	78.3	35.2	75 600
		8.0	76.2	26.0	98 700			10.0	76.5	34.9	65 300
		8.5	75.0	25.8	90 400			11.0	74.8	34.6	56 800
		9.0	73.8	25.7	83 100			12.0	73.0	34.3	49 800
		10.0	71.3	25.3	71 000			13.0	71.2	34.0	43 900
		11.0	68.8	24.9	61 300			14.0	69.3	33.6	38 800
		12.0	66.2	24.5	53 400			15.0	67.5	33.2	34 500
		13.0	63.5	24.0	46 800			16.0	65.6	32.7	30 700
		14.0	60.9	23.4	41 200			18.0	61.7	31.7	24 300
		15.0	58.1	22.8	36 000						
2 7 · 4	9 0	5.8	82.5	29.6	144 600*	3 6 · 6	1 2 0	6.7	82.9	38.7	106 900
		6.0	82.0	29.5	139 200*			7.0	82.5	38.6	101 600
		6.5	81.0	29.4	126 600			7.5	81.7	38.6	92 900
		7.0	79.9	29.3	114 700			8.0	80.9	38.5	85 400
		7.5	78.9	29.2	104 100			8.5	80.1	38.4	78 900
		8.0	77.8	29.1	95 200			9.0	79.3	38.3	73 100
		8.5	76.7	29.0	87 400			10.0	77.7	38.0	63 200
		9.0	75.6	28.9	80 600			11.0	76.1	37.8	55 100
		10.0	73.4	28.6	69 100			12.0	74.4	37.5	48 400
		11.0	71.2	28.2	59 800			13.0	72.8	37.2	42 700
		12.0	69.0	27.8	52 200			14.0	71.1	36.8	37 800
		13.0	66.7	27.4	45 900			15.0	69.5	36.5	33 600
		14.0	64.4	26.9	40 500			16.0	67.8	36.1	29 800
		15.0	62.0	26.4	35 800			18.0	64.3	35.1	23 700
		16.0	59.6	25.8	31 700			20.0	60.7	34.0	18 800

MANITOWOC ENGINEERING CO.

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



LIFT CRANE BOOM CAPACITIES WITH LUFFING JIB ATTACHED

EUROPEAN
STANDARDS

888 SERIES 2

BOOM NO. 22EL

LUFFING JIB NO. 135

81 240 kg CRANE COUNTERWEIGHT

19 960 kg CARBODY COUNTERWEIGHT

8 585 mm CRAWLERS EXTENDED

360 DEGREE RATING

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

BOOM LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	BOOM CAPACITY KILOGRAMS	BOOM LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	BOOM CAPACITY KILOGRAMS
3 9 · 6	1 3 0	7.3	82.6	41.7	92 400	4 8 · 8	1 6 0	8.5	82.5	50.7	68 600
		7.5	82.3	41.6	89 700			9.0	82.0	50.7	64 200
		8.0	81.6	41.6	82 600			10.0	80.8	50.5	55 900
		8.5	80.9	41.5	76 400			11.0	79.6	50.3	49 100
		9.0	80.1	41.4	70 900			12.0	78.4	50.1	43 300
		10.0	78.6	41.2	61 400			13.0	77.2	49.9	38 300
		11.0	77.2	40.9	53 700			14.0	76.0	49.6	34 100
		12.0	75.7	40.7	47 200			15.0	74.8	49.3	30 300
		13.0	74.2	40.4	41 700			16.0	73.5	49.0	27 000
		14.0	72.6	40.1	37 000			18.0	71.1	48.4	21 400
		15.0	71.1	39.7	32 900			20.0	68.5	47.6	16 900
		16.0	69.6	39.4	29 300			22.0	66.0	46.7	13 200
4 2 · 7	1 4 0	18.0	66.4	38.5	23 300	5 1 · 8	1 7 0	24.0	63.4	45.7	10 100
		20.0	63.2	37.5	18 500			26.0	60.7	44.6	7 400
		22.0	59.9	36.4	14 500			8.5	83.0	53.8	66 400
								9.0	82.5	53.7	62 300
								10.0	81.3	53.6	54 400
								11.0	80.2	53.4	47 800
								12.0	79.1	53.2	42 200
								13.0	78.0	53.0	37 400
								14.0	76.8	52.8	33 300
								15.0	75.7	52.5	29 600
								16.0	74.5	52.2	26 400
								18.0	72.2	51.6	21 000
4 5 · 7	1 5 0	20.0	63.2	37.5	18 500	5 4 · 9	1 8 0	20.0	69.9	50.9	16 500
		22.0	62.2	39.9	14 200			22.0	67.5	50.1	12 900
		24.0	59.1	38.7	11 000			24.0	65.1	49.2	9 800
								26.0	62.6	48.1	7 200
								9.1	82.7	56.8	59 000
								10.0	81.8	56.7	52 600
								11.0	80.8	56.5	46 300
								12.0	79.7	56.3	40 900
								13.0	78.6	56.1	36 200
								14.0	77.6	55.9	32 200
								15.0	76.5	55.6	28 600
								16.0	75.4	55.4	25 500
5 7 · 9	1 9 0							18.0	73.2	54.8	20 200
								20.0	71.0	54.1	15 900
								22.0	68.8	53.4	12 300
								24.0	66.5	52.5	9 300
								26.0	64.2	51.6	6 700
								9.8	82.5	59.8	51 700*
								10.0	82.3	59.8	50 700
								11.0	81.3	59.6	45 600
								12.0	80.3	59.4	40 300
								13.0	79.2	59.2	35 800
								14.0	78.2	59.0	31 900
								15.0	77.2	58.8	28 500
								16.0	76.2	58.5	25 400
								18.0	74.2	58.0	20 200
								20.0	72.1	57.3	16 000
								22.0	70.0	56.6	12 500
								24.0	67.8	55.8	9 500
								26.0	65.7	54.9	7 000

MANITOWOC ENGINEERING CO.

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



LIFT CRANE BOOM CAPACITIES WITH LUFFING JIB ATTACHED

EUROPEAN
STANDARDS

888 SERIES 2

BOOM NO. 22EL

LUFFING JIB NO. 135

81 240 kg CRANE COUNTERWEIGHT

19 960 kg CARBODY COUNTERWEIGHT

8 585 mm CRAWLERS EXTENDED

360 DEGREE RATING

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

BOOM LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	BOOM CAPACITY KILOGRAMS	BOOM LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	BOOM CAPACITY KILOGRAMS
2 1 · 3	7 0	4.9	82.8	23.5	176 100*	3 0 · 5	1 0 0	6.1	82.7	32.6	134 000
		5.0	82.5	23.5	171 700*			6.5	81.9	32.5	123 600
		5.5	81.1	23.4	154 900*			7.0	80.9	32.5	111 700
		6.0	79.7	23.3	140 900*			7.5	80.0	32.4	101 800
		6.5	78.4	23.2	128 800*			8.0	79.0	32.3	93 300
		7.0	77.0	23.1	118 200*			8.5	78.1	32.1	85 800
		7.5	75.6	23.0	109 100*			9.0	77.1	32.0	79 200
		8.0	74.2	22.8	101 000*			10.0	75.1	31.7	68 100
		8.5	72.8	22.6	93 700*			11.0	73.2	31.4	59 100
		9.0	71.3	22.5	86 600			12.0	71.2	31.1	51 600
		10.0	68.4	22.1	73 600			13.0	69.2	30.7	45 300
		11.0	65.5	21.6	63 300			14.0	67.1	30.3	40 000
		12.0	62.5	21.1	54 800			15.0	65.1	29.8	35 400
		13.0	59.3	20.5	47 700			16.0	62.9	29.3	31 400
		14.0	56.1	19.8	40 900			18.0	58.6	28.1	24 800
		15.0	52.7	19.0	35 300						
2 4 · 4	8 0	5.2	83.0	26.6	165 200*	3 3 · 5	1 1 0	6.7	82.3	35.6	113 400
		5.5	82.2	26.5	155 000*			7.0	81.8	35.5	107 600
		6.0	81.0	26.4	140 900*			7.5	80.9	35.5	98 100
		6.5	79.8	26.3	128 800*			8.0	80.0	35.4	90 100
		7.0	78.6	26.2	118 400*			8.5	79.2	35.3	83 000
		7.5	77.4	26.1	109 000			9.0	78.3	35.2	76 700
		8.0	76.2	26.0	100 000			10.0	76.5	34.9	66 100
		8.5	75.0	25.8	91 500			11.0	74.8	34.6	57 500
		9.0	73.8	25.7	84 000			12.0	73.0	34.3	50 300
		10.0	71.3	25.3	71 600			13.0	71.2	34.0	44 300
		11.0	68.8	24.9	61 800			14.0	69.3	33.6	39 100
		12.0	66.2	24.5	53 600			15.0	67.5	33.2	34 600
		13.0	63.5	24.0	46 900			16.0	65.6	32.7	30 700
		14.0	60.9	23.4	41 200			18.0	61.7	31.7	24 300
		15.0	58.1	22.8	36 100			20.0	57.7	30.4	19 100
		16.0	55.2	22.1	31 200			22.0	53.5	29.0	14 800
2 7 · 4	9 0	5.8	82.5	29.6	146 800*	3 6 · 6	1 2 0	6.7	82.9	38.7	108 800
		6.0	82.0	29.5	141 300*			7.0	82.5	38.6	103 300
		6.5	81.0	29.4	128 500			7.5	81.7	38.6	94 400
		7.0	79.9	29.3	116 400			8.0	80.9	38.5	86 800
		7.5	78.9	29.2	105 700			8.5	80.1	38.4	80 200
		8.0	77.8	29.1	96 600			9.0	79.3	38.3	74 200
		8.5	76.7	29.0	88 600			10.0	77.7	38.0	64 100
		9.0	75.6	28.9	81 600			11.0	76.1	37.8	55 900
		10.0	73.4	28.6	69 900			12.0	74.4	37.5	49 000
		11.0	71.2	28.2	60 400			13.0	72.8	37.2	43 100
		12.0	69.0	27.8	52 600			14.0	71.1	36.8	38 100
		13.0	66.7	27.4	46 100			15.0	69.5	36.5	33 800
		14.0	64.4	26.9	40 600			16.0	67.8	36.1	30 000
		15.0	62.0	26.4	35 800			18.0	64.3	35.1	23 700
		16.0	59.6	25.8	31 700			20.0	60.7	34.0	18 700
		18.0	54.5	24.4	24 400			22.0	57.0	32.8	14 600
								24.0	53.2	31.3	11 200

MANITOWOC ENGINEERING CO.

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



LIFT CRANE BOOM CAPACITIES WITH LUFFING JIB ATTACHED

EUROPEAN
STANDARDS

888 SERIES 2

BOOM NO. 22EL

LUFFING JIB NO. 135

81 240 kg CRANE COUNTERWEIGHT

19 960 kg CARBODY COUNTERWEIGHT

8 585 mm CRAWLERS EXTENDED

360 DEGREE RATING

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

BOOM LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	BOOM CAPACITY KILOGRAMS	BOOM LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	BOOM CAPACITY KILOGRAMS
3 9 · 6	1 3 0	7.3	82.6	41.7	94 000	4 8 · 8	1 6 0	8.5	82.5	50.7	69 800
		7.5	82.3	41.6	91 200			9.0	82.0	50.7	65 400
		8.0	81.6	41.6	83 900			10.0	80.8	50.5	56 900
		8.5	80.9	41.5	77 600			11.0	79.6	50.3	49 900
		9.0	80.1	41.4	72 000			12.0	78.4	50.1	44 000
		10.0	78.6	41.2	62 300			13.0	77.2	49.9	38 900
		11.0	77.2	40.9	54 500			14.0	76.0	49.6	34 500
		12.0	75.7	40.7	47 800			15.0	74.8	49.3	30 700
		13.0	74.2	40.4	42 200			16.0	73.5	49.0	27 300
		14.0	72.6	40.1	37 400			18.0	71.1	48.4	21 600
		15.0	71.1	39.7	33 200			20.0	68.5	47.6	17 000
		16.0	69.6	39.4	29 500			22.0	66.0	46.7	13 200
		18.0	66.4	38.5	23 300			24.0	63.4	45.7	10 000
		20.0	63.2	37.5	18 400			26.0	60.7	44.6	7 300
		22.0	59.9	36.4	14 400						
		24.0	56.4	35.1	11 100						
4 2 · 7	1 4 0	7.9	82.3	44.7	82 000	5 1 · 8	1 7 0	8.5	83.0	53.8	67 700
		8.0	82.2	44.6	81 100			9.0	82.5	53.7	63 400
		8.5	81.5	44.6	75 100			10.0	81.3	53.6	55 300
		9.0	80.8	44.5	69 700			11.0	80.2	53.4	48 600
		10.0	79.5	44.3	60 500			12.0	79.1	53.2	42 900
		11.0	78.1	44.1	53 000			13.0	78.0	53.0	38 000
		12.0	76.7	43.8	46 600			14.0	76.8	52.8	33 700
		13.0	75.3	43.6	41 200			15.0	75.7	52.5	30 000
		14.0	73.9	43.3	36 500			16.0	74.5	52.2	26 700
		15.0	72.5	43.0	32 400			18.0	72.2	51.6	21 100
		16.0	71.1	42.6	28 800			20.0	69.9	50.9	16 700
		18.0	68.2	41.8	22 900			22.0	67.5	50.1	12 900
		20.0	65.3	40.9	18 000			24.0	65.1	49.2	9 800
		22.0	62.2	39.9	14 100			26.0	62.6	48.1	7 100
		24.0	59.1	38.7	10 800						
		26.0	55.9	37.4	8 000						
4 5 · 7	1 5 0	7.9	82.8	47.7	79 300	5 4 · 9	1 8 0	9.1	82.7	56.8	60 000
		8.0	82.7	47.7	78 400			10.0	81.8	56.7	53 500
		8.5	82.1	47.6	72 700			11.0	80.8	56.5	47 100
		9.0	81.4	47.6	67 500			12.0	79.7	56.3	41 600
		10.0	80.2	47.4	58 800			13.0	78.6	56.1	36 800
		11.0	78.9	47.2	51 500			14.0	77.6	55.9	32 700
		12.0	77.6	47.0	45 400			15.0	76.5	55.6	29 100
		13.0	76.3	46.7	40 100			16.0	75.4	55.4	25 800
		14.0	75.0	46.4	35 600			18.0	73.2	54.8	20 400
		15.0	73.7	46.2	31 600			20.0	71.0	54.1	16 000
		16.0	72.4	45.8	28 100			22.0	68.8	53.4	12 400
		18.0	69.7	45.1	22 300			24.0	66.5	52.5	9 300
		20.0	67.0	44.3	17 600			26.0	64.2	51.6	6 700
		22.0	64.3	43.3	13 700						
		24.0	61.4	42.3	10 500						
		26.0	58.5	41.1	7 700						
5 7 · 9	1 9 0	9.8	82.5	59.8	51 700*	5 7 · 9	1 9 0	10.0	82.3	59.8	51 100
		11.0	81.3	59.6	46 300			12.0	80.3	59.4	41 000
		13.0	79.2	59.2	36 400			14.0	78.2	59.0	32 400
		15.0	77.2	58.8	28 900			16.0	76.2	58.5	25 800
		18.0	74.2	58.0	20 500			20.0	72.1	57.3	16 100
		22.0	70.0	56.6	12 600			24.0	67.8	55.8	9 500
		26.0	65.7	54.9	7 000						

LIFT CRANE BOOM CAPACITIES WITH LUFFING JIB ATTACHED

EUROPEAN
STANDARDS

888 SERIES 2

BOOM NO. 22EL

LUFFING JIB NO. 135

81 240 kg CRANE COUNTERWEIGHT

19 960 kg CARBODY COUNTERWEIGHT

8 585 mm CRAWLERS EXTENDED

360 DEGREE RATING

**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	174 500*	3 0 · 5	1 0 0	6.1	82.7	32.6	132 100
		5.0	82.5	23.5	170 100*			6.5	81.9	32.5	121 700
		5.5	81.1	23.4	153 300*			7.0	80.9	32.5	109 900
		6.0	79.7	23.3	139 300*			7.5	80.0	32.4	100 100
		6.5	78.4	23.2	127 100*			8.0	79.0	32.3	91 600
		7.0	77.0	23.1	116 700*			8.5	78.1	32.1	84 200
		7.5	75.6	23.0	107 500*			9.0	77.1	32.0	77 600
		8.0	74.2	22.8	99 400*			10.0	75.1	31.7	66 500
		8.5	72.8	22.6	92 200*			11.0	73.2	31.4	57 500
		9.0	71.3	22.5	84 800			12.0	71.2	31.1	50 100
		10.0	68.4	22.1	71 700			13.0	69.2	30.7	43 900
		11.0	65.5	21.6	61 400			14.0	67.1	30.3	38 600
		12.0	62.5	21.1	53 000			15.0	65.1	29.8	34 000
		13.0	59.3	20.5	45 900			16.0	62.9	29.3	30 000
		14.0	56.1	19.8	39 400			18.0	58.6	28.1	23 400
		15.0	52.7	19.0	33 700						
2 4 · 4	8 0	5.2	83.0	26.6	163 600*	3 3 · 5	1 1 0	6.7	82.3	35.6	111 700
		5.5	82.2	26.5	153 400*			7.0	81.8	35.5	105 900
		6.0	81.0	26.4	139 400*			7.5	80.9	35.5	96 400
		6.5	79.8	26.3	127 300*			8.0	80.0	35.4	88 400
		7.0	78.6	26.2	116 900*			8.5	79.2	35.3	81 400
		7.5	77.4	26.1	107 400			9.0	78.3	35.2	75 200
		8.0	76.2	26.0	98 000			10.0	76.5	34.9	64 600
		8.5	75.0	25.8	89 500			11.0	74.8	34.6	56 000
		9.0	73.8	25.7	82 100			12.0	73.0	34.3	48 900
		10.0	71.3	25.3	69 800			13.0	71.2	34.0	42 900
		11.0	68.8	24.9	60 000			14.0	69.3	33.6	37 700
		12.0	66.2	24.5	51 900			15.0	67.5	33.2	33 300
		13.0	63.5	24.0	45 200			16.0	65.6	32.7	29 400
		14.0	60.9	23.4	39 600			18.0	61.7	31.7	23 000
		15.0	58.1	22.8	34 600			20.0	57.7	30.4	17 900
		16.0	55.2	22.1	29 900			22.0	53.5	29.0	13 700
2 7 · 4	9 0	5.8	82.5	29.6	145 400*	3 6 · 6	1 2 0	6.7	82.9	38.7	107 100
		6.0	82.0	29.5	139 900*			7.0	82.5	38.6	101 700
		6.5	81.0	29.4	126 700			7.5	81.7	38.6	92 800
		7.0	79.9	29.3	114 400			8.0	80.9	38.5	85 300
		7.5	78.9	29.2	103 800			8.5	80.1	38.4	78 600
		8.0	77.8	29.1	94 700			9.0	79.3	38.3	72 700
		8.5	76.7	29.0	86 800			10.0	77.7	38.0	62 700
		9.0	75.6	28.9	79 800			11.0	76.1	37.8	54 400
		10.0	73.4	28.6	68 200			12.0	74.4	37.5	47 600
		11.0	71.2	28.2	58 800			13.0	72.8	37.2	41 800
		12.0	69.0	27.8	51 000			14.0	71.1	36.8	36 800
		13.0	66.7	27.4	44 600			15.0	69.5	36.5	32 500
		14.0	64.4	26.9	39 100			16.0	67.8	36.1	28 700
		15.0	62.0	26.4	34 300			18.0	64.3	35.1	22 500
		16.0	59.6	25.8	30 200			20.0	60.7	34.0	17 500
		18.0	54.5	24.4	23 100			22.0	57.0	32.8	13 400
								24.0	53.2	31.3	10 000

MANITOWOC ENGINEERING CO.

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



LIFT CRANE BOOM CAPACITIES WITH LUFFING JIB ATTACHED

EUROPEAN
STANDARDS

888 SERIES 2

BOOM NO. 22EL

LUFFING JIB NO. 135

81 240 kg CRANE COUNTERWEIGHT

19 960 kg CARBODY COUNTERWEIGHT

8 585 mm CRAWLERS EXTENDED

360 DEGREE RATING

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

BOOM LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	BOOM CAPACITY KILOGRAMS	BOOM LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	BOOM CAPACITY KILOGRAMS
3 9 · 6	1 3 0	7.3	82.6	41.7	92 400	4 8 · 8	1 6 0	8.5	82.5	50.7	68 500
		7.5	82.3	41.6	89 700			9.0	82.0	50.7	64 100
		8.0	81.6	41.6	82 400			10.0	80.8	50.5	55 600
		8.5	80.9	41.5	76 100			11.0	79.6	50.3	48 700
		9.0	80.1	41.4	70 500			12.0	78.4	50.1	42 800
		10.0	78.6	41.2	61 000			13.0	77.2	49.9	37 700
		11.0	77.2	40.9	53 100			14.0	76.0	49.6	33 400
		12.0	75.7	40.7	46 500			15.0	74.8	49.3	29 500
		13.0	74.2	40.4	40 900			16.0	73.5	49.0	26 200
		14.0	72.6	40.1	36 100			18.0	71.1	48.4	20 500
		15.0	71.1	39.7	31 900			20.0	68.5	47.6	15 900
		16.0	69.6	39.4	28 300			22.0	66.0	46.7	12 100
		18.0	66.4	38.5	22 200			24.0	63.4	45.7	9 000
		20.0	63.2	37.5	17 300			26.0	60.7	44.6	6 300
		22.0	59.9	36.4	13 300	5 1 · 8	1 7 0	8.5	83.0	53.8	66 400
4 2 · 7	1 4 0	7.9	82.3	44.7	80 600			9.0	82.5	53.7	62 200
		8.0	82.2	44.6	79 700			10.0	81.3	53.6	54 100
		8.5	81.5	44.6	73 700			11.0	80.2	53.4	47 400
		9.0	80.8	44.5	68 300			12.0	79.1	53.2	41 700
		10.0	79.5	44.3	59 200			13.0	78.0	53.0	36 900
		11.0	78.1	44.1	51 700			14.0	76.8	52.8	32 600
		12.0	76.7	43.8	45 300			15.0	75.7	52.5	28 900
		13.0	75.3	43.6	39 900			16.0	74.5	52.2	25 700
		14.0	73.9	43.3	35 300			18.0	72.2	51.6	20 100
		15.0	72.5	43.0	31 200			20.0	69.9	50.9	15 600
		16.0	71.1	42.6	27 700			22.0	67.5	50.1	11 900
		18.0	68.2	41.8	21 700			24.0	65.1	49.2	8 800
		20.0	65.3	40.9	17 000			26.0	62.6	48.1	6 100
		22.0	62.2	39.9	13 000	5 4 · 9	1 8 0	9.1	82.7	56.8	58 800
4 5 · 7	1 5 0	24.0	59.1	38.7	9 800			10.0	81.8	56.7	52 300
		26.0	55.9	37.4	7 000			11.0	80.8	56.5	45 900
		7.9	82.8	47.7	77 900			12.0	79.7	56.3	40 400
		8.0	82.7	47.7	77 000			13.0	78.6	56.1	35 700
		8.5	82.1	47.6	71 300			14.0	77.6	55.9	31 600
		9.0	81.4	47.6	66 200			15.0	76.5	55.6	28 000
		10.0	80.2	47.4	57 500			16.0	75.4	55.4	24 800
		11.0	78.9	47.2	50 300			18.0	73.2	54.8	19 400
		12.0	77.6	47.0	44 100			20.0	71.0	54.1	15 000
		13.0	76.3	46.7	38 900			22.0	68.8	53.4	11 400
		14.0	75.0	46.4	34 400			24.0	66.5	52.5	8 300
		15.0	73.7	46.2	30 500	5 7 · 9	1 9 0	9.8	82.5	59.8	51 700*
		16.0	72.4	45.8	27 000			10.0	82.3	59.8	50 600
		18.0	69.7	45.1	21 200			11.0	81.3	59.6	45 200
		20.0	67.0	44.3	16 500			12.0	80.3	59.4	39 900
		22.0	64.3	43.3	12 600			13.0	79.2	59.2	35 400
		24.0	61.4	42.3	9 400			14.0	78.2	59.0	31 400
		26.0	58.5	41.1	6 700			15.0	77.2	58.8	27 900
								16.0	76.2	58.5	24 700
								18.0	74.2	58.0	19 500
								20.0	72.1	57.3	15 200
								22.0	70.0	56.6	11 600
								24.0	67.8	55.8	8 600

LIFT CRANE BOOM CAPACITIES WITH LUFFING JIB ATTACHED

EUROPEAN
STANDARDS

888 SERIES 2

BOOM NO. 22EL

LUFFING JIB NO. 135

81 240 kg CRANE COUNTERWEIGHT

19 960 kg CARBODY COUNTERWEIGHT

8 585 mm CRAWLERS EXTENDED

360 DEGREE RATING

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

BOOM LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	BOOM CAPACITY KILOGRAMS	BOOM LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	BOOM CAPACITY KILOGRAMS
2 1 · 3	7 0	4.9	82.8	23.5	173 300*	3 0 · 5	1 0 0	6.1	82.7	32.6	130 600
		5.0	82.5	23.5	168 900*			6.5	81.9	32.5	120 300
		5.5	81.1	23.4	152 100*			7.0	80.9	32.5	108 500
		6.0	79.7	23.3	138 100*			7.5	80.0	32.4	98 800
		6.5	78.4	23.2	126 000*			8.0	79.0	32.3	90 400
		7.0	77.0	23.1	115 500*			8.5	78.1	32.1	83 000
		7.5	75.6	23.0	106 400*			9.0	77.1	32.0	76 400
		8.0	74.2	22.8	98 300			10.0	75.1	31.7	65 400
		8.5	72.8	22.6	90 900			11.0	73.2	31.4	56 500
		9.0	71.3	22.5	83 300			12.0	71.2	31.1	49 100
		10.0	68.4	22.1	70 300			13.0	69.2	30.7	42 900
		11.0	65.5	21.6	60 100			14.0	67.1	30.3	37 600
		12.0	62.5	21.1	51 700			15.0	65.1	29.8	33 000
		13.0	59.3	20.5	44 700			16.0	62.9	29.3	29 100
		14.0	56.1	19.8	38 200			18.0	58.6	28.1	22 500
		15.0	52.7	19.0	32 700						
2 4 · 4	8 0	5.2	83.0	26.6	162 500*	3 3 · 5	1 1 0	6.7	82.3	35.6	110 400
		5.5	82.2	26.5	152 300*			7.0	81.8	35.5	104 700
		6.0	81.0	26.4	138 300*			7.5	80.9	35.5	95 200
		6.5	79.8	26.3	126 300*			8.0	80.0	35.4	87 300
		7.0	78.6	26.2	115 800*			8.5	79.2	35.3	80 300
		7.5	77.4	26.1	106 300			9.0	78.3	35.2	74 100
		8.0	76.2	26.0	96 500			10.0	76.5	34.9	63 600
		8.5	75.0	25.8	88 200			11.0	74.8	34.6	55 000
		9.0	73.8	25.7	80 800			12.0	73.0	34.3	47 900
		10.0	71.3	25.3	68 600			13.0	71.2	34.0	42 000
		11.0	68.8	24.9	58 800			14.0	69.3	33.6	36 800
		12.0	66.2	24.5	50 800			15.0	67.5	33.2	32 400
		13.0	63.5	24.0	44 100			16.0	65.6	32.7	28 600
		14.0	60.9	23.4	38 400			18.0	61.7	31.7	22 200
		15.0	58.1	22.8	33 500			20.0	57.7	30.4	17 100
		16.0	55.2	22.1	28 900			22.0	53.5	29.0	12 900
2 7 · 4	9 0	5.8	82.5	29.6	144 300*	3 6 · 6	1 2 0	6.7	82.9	38.7	105 900
		6.0	82.0	29.5	138 800*			7.0	82.5	38.6	100 500
		6.5	81.0	29.4	125 500			7.5	81.7	38.6	91 700
		7.0	79.9	29.3	113 000			8.0	80.9	38.5	84 200
		7.5	78.9	29.2	102 500			8.5	80.1	38.4	77 600
		8.0	77.8	29.1	93 400			9.0	79.3	38.3	71 700
		8.5	76.7	29.0	85 500			10.0	77.7	38.0	61 700
		9.0	75.6	28.9	78 600			11.0	76.1	37.8	53 500
		10.0	73.4	28.6	67 000			12.0	74.4	37.5	46 700
		11.0	71.2	28.2	57 600			13.0	72.8	37.2	40 900
		12.0	69.0	27.8	49 900			14.0	71.1	36.8	36 000
		13.0	66.7	27.4	43 500			15.0	69.5	36.5	31 700
		14.0	64.4	26.9	38 000			16.0	67.8	36.1	27 900
		15.0	62.0	26.4	33 300			18.0	64.3	35.1	21 700
		16.0	59.6	25.8	29 200			20.0	60.7	34.0	16 700
		18.0	54.5	24.4	22 200			22.0	57.0	32.8	12 700
								24.0	53.2	31.3	9 300

LIFT CRANE BOOM CAPACITIES WITH LUFFING JIB ATTACHED

EUROPEAN
STANDARDS

888 SERIES 2

BOOM NO. 22EL

LUFFING JIB NO. 135

81 240 kg CRANE COUNTERWEIGHT

19 960 kg CARBODY COUNTERWEIGHT

8 585 mm CRAWLERS EXTENDED

360 DEGREE RATING

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

BOOM LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	BOOM CAPACITY KILOGRAMS	BOOM LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	BOOM CAPACITY KILOGRAMS
3 9 · 6	1 3 0	7.3	82.6	41.7	91 300	4 8 · 8	1 6 0	8.5	82.5	50.7	67 600
		7.5	82.3	41.6	88 600			9.0	82.0	50.7	63 200
		8.0	81.6	41.6	81 400			10.0	80.8	50.5	54 800
		8.5	80.9	41.5	75 100			11.0	79.6	50.3	47 900
		9.0	80.1	41.4	69 600			12.0	78.4	50.1	42 000
		10.0	78.6	41.2	60 000			13.0	77.2	49.9	37 000
		11.0	77.2	40.9	52 200			14.0	76.0	49.6	32 600
		12.0	75.7	40.7	45 600			15.0	74.8	49.3	28 900
		13.0	74.2	40.4	40 100			16.0	73.5	49.0	25 500
		14.0	72.6	40.1	35 300			18.0	71.1	48.4	19 800
		15.0	71.1	39.7	31 100			20.0	68.5	47.6	15 300
		16.0	69.6	39.4	27 500			22.0	66.0	46.7	11 500
		18.0	66.4	38.5	21 400			24.0	63.4	45.7	8 400
		20.0	63.2	37.5	16 500	5 1 · 8	1 7 0	8.5	83.0	53.8	65 500
		22.0	59.9	36.4	12 600			9.0	82.5	53.7	61 300
		24.0	56.4	35.1	9 300			10.0	81.3	53.6	53 300
4 2 · 7	1 4 0	7.9	82.3	44.7	79 600			11.0	80.2	53.4	46 600
		8.0	82.2	44.6	78 700			12.0	79.1	53.2	41 000
		8.5	81.5	44.6	72 800			13.0	78.0	53.0	36 100
		9.0	80.8	44.5	67 400			14.0	76.8	52.8	31 900
		10.0	79.5	44.3	58 300			15.0	75.7	52.5	28 300
		11.0	78.1	44.1	50 800			16.0	74.5	52.2	25 000
		12.0	76.7	43.8	44 500			18.0	72.2	51.6	19 500
		13.0	75.3	43.6	39 100			20.0	69.9	50.9	15 000
		14.0	73.9	43.3	34 500			22.0	67.5	50.1	11 300
		15.0	72.5	43.0	30 500			24.0	65.1	49.2	8 200
		16.0	71.1	42.6	26 900	5 4 · 9	1 8 0	9.1	82.7	56.8	58 000
		18.0	68.2	41.8	21 000			10.0	81.8	56.7	51 600
		20.0	65.3	40.9	16 300			11.0	80.8	56.5	45 200
4 5 · 7	1 5 0	22.0	62.2	39.9	12 300			12.0	79.7	56.3	39 700
		24.0	59.1	38.7	9 100			13.0	78.6	56.1	35 000
		26.0	55.9	37.4	6 400			14.0	77.6	55.9	30 900
		7.9	82.8	47.7	76 900			15.0	76.5	55.6	27 300
		8.0	82.7	47.7	76 100			16.0	75.4	55.4	24 100
		8.5	82.1	47.6	70 400			18.0	73.2	54.8	18 800
		9.0	81.4	47.6	65 300			20.0	71.0	54.1	14 400
		10.0	80.2	47.4	56 700			22.0	68.8	53.4	10 800
		11.0	78.9	47.2	49 400			24.0	66.5	52.5	7 800
		12.0	77.6	47.0	43 300	5 7 · 9	1 9 0	9.8	82.5	59.8	51 700*
		13.0	76.3	46.7	38 200			10.0	82.3	59.8	50 300
		14.0	75.0	46.4	33 600			11.0	81.3	59.6	44 500
		15.0	73.7	46.2	29 700			12.0	80.3	59.4	39 300
		16.0	72.4	45.8	26 300			13.0	79.2	59.2	34 700
		18.0	69.7	45.1	20 500			14.0	78.2	59.0	30 700
		20.0	67.0	44.3	15 800			15.0	77.2	58.8	27 200
		22.0	64.3	43.3	12 000			16.0	76.2	58.5	24 100
		24.0	61.4	42.3	8 800			18.0	74.2	58.0	18 900
								20.0	72.1	57.3	14 600
								22.0	70.0	56.6	11 000
								24.0	67.8	55.8	8 000

LIFT CRANE BOOM CAPACITIES WITH LUFFING JIB ATTACHED

EUROPEAN
STANDARDS

888 SERIES 2

BOOM NO. 22EL

LUFFING JIB NO. 135

81 240 kg CRANE COUNTERWEIGHT

19 960 kg CARBODY COUNTERWEIGHT

8 585 mm CRAWLERS EXTENDED

360 DEGREE RATING

**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	171 500*	3 0 · 5	1 0 0	6.1	82.7	32.6	128 600
		5.0	82.5	23.5	167 100*			6.5	81.9	32.5	118 300
		5.5	81.1	23.4	150 400*			7.0	80.9	32.5	106 600
		6.0	79.7	23.3	136 400*			7.5	80.0	32.4	97 000
		6.5	78.4	23.2	124 300*			8.0	79.0	32.3	88 600
		7.0	77.0	23.1	113 900*			8.5	78.1	32.1	81 200
		7.5	75.6	23.0	104 700*			9.0	77.1	32.0	74 700
		8.0	74.2	22.8	96 600			10.0	75.1	31.7	63 700
		8.5	72.8	22.6	88 700			11.0	73.2	31.4	54 800
		9.0	71.3	22.5	81 100			12.0	71.2	31.1	47 500
		10.0	68.4	22.1	68 200			13.0	69.2	30.7	41 400
		11.0	65.5	21.6	58 100			14.0	67.1	30.3	36 100
		12.0	62.5	21.1	49 800			15.0	65.1	29.8	31 600
		13.0	59.3	20.5	42 900			16.0	62.9	29.3	27 600
		14.0	56.1	19.8	36 600			18.0	58.6	28.1	21 100
		15.0	52.7	19.0	31 000						
2 4 · 4	8 0	5.2	83.0	26.6	160 800*	3 3 · 5	1 1 0	6.7	82.3	35.6	108 600
		5.5	82.2	26.5	150 600*			7.0	81.8	35.5	102 800
		6.0	81.0	26.4	136 700*			7.5	80.9	35.5	93 500
		6.5	79.8	26.3	124 600*			8.0	80.0	35.4	85 600
		7.0	78.6	26.2	114 100			8.5	79.2	35.3	78 600
		7.5	77.4	26.1	104 300			9.0	78.3	35.2	72 400
		8.0	76.2	26.0	94 500			10.0	76.5	34.9	62 000
		8.5	75.0	25.8	86 100			11.0	74.8	34.6	53 500
		9.0	73.8	25.7	78 800			12.0	73.0	34.3	46 400
		10.0	71.3	25.3	66 700			13.0	71.2	34.0	40 500
		11.0	68.8	24.9	57 000			14.0	69.3	33.6	35 400
		12.0	66.2	24.5	49 000			15.0	67.5	33.2	31 000
		13.0	63.5	24.0	42 300			16.0	65.6	32.7	27 200
		14.0	60.9	23.4	36 700			18.0	61.7	31.7	20 800
		15.0	58.1	22.8	31 900			20.0	57.7	30.4	15 800
		16.0	55.2	22.1	27 500			22.0	53.5	29.0	11 700
2 7 · 4	9 0	5.8	82.5	29.6	142 700*	3 6 · 6	1 2 0	6.7	82.9	38.7	104 100
		6.0	82.0	29.5	137 200			7.0	82.5	38.6	98 800
		6.5	81.0	29.4	123 700			7.5	81.7	38.6	90 000
		7.0	79.9	29.3	110 900			8.0	80.9	38.5	82 600
		7.5	78.9	29.2	100 500			8.5	80.1	38.4	76 000
		8.0	77.8	29.1	91 500			9.0	79.3	38.3	70 100
		8.5	76.7	29.0	83 700			10.0	77.7	38.0	60 200
		9.0	75.6	28.9	76 800			11.0	76.1	37.8	52 000
		10.0	73.4	28.6	65 200			12.0	74.4	37.5	45 200
		11.0	71.2	28.2	55 900			13.0	72.8	37.2	39 500
		12.0	69.0	27.8	48 300			14.0	71.1	36.8	34 600
		13.0	66.7	27.4	41 800			15.0	69.5	36.5	30 300
		14.0	64.4	26.9	36 400			16.0	67.8	36.1	26 600
		15.0	62.0	26.4	31 800			18.0	64.3	35.1	20 400
		16.0	59.6	25.8	27 700			20.0	60.7	34.0	15 400
		18.0	54.5	24.4	20 800			22.0	57.0	32.8	11 400
								24.0	53.2	31.3	8 100

LIFT CRANE BOOM CAPACITIES WITH LUFFING JIB ATTACHED

EUROPEAN
STANDARDS

888 SERIES 2

BOOM NO. 22EL

LUFFING JIB NO. 135

81 240 kg CRANE COUNTERWEIGHT

19 960 kg CARBODY COUNTERWEIGHT

8 585 mm CRAWLERS EXTENDED

360 DEGREE RATING

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
3 9 · 6	1 3 0	7.3	82.6	41.7	89 700	4 8 · 8	1 6 0	8.5	82.5	50.7	66 200
		7.5	82.3	41.6	87 000			9.0	82.0	50.7	61 900
		8.0	81.6	41.6	79 900			10.0	80.8	50.5	53 500
		8.5	80.9	41.5	73 600			11.0	79.6	50.3	46 600
		9.0	80.1	41.4	68 100			12.0	78.4	50.1	40 800
		10.0	78.6	41.2	58 600			13.0	77.2	49.9	35 800
		11.0	77.2	40.9	50 800			14.0	76.0	49.6	31 500
		12.0	75.7	40.7	44 300			15.0	74.8	49.3	27 700
		13.0	74.2	40.4	38 700			16.0	73.5	49.0	24 300
		14.0	72.6	40.1	34 000			18.0	71.1	48.4	18 700
		15.0	71.1	39.7	29 800			20.0	68.5	47.6	14 200
		16.0	69.6	39.4	26 200			22.0	66.0	46.7	10 400
		18.0	66.4	38.5	20 200			24.0	63.4	45.7	7 300
		20.0	63.2	37.5	15 300	5 1 · 8	1 7 0	8.5	83.0	53.8	64 200
4 2 · 7	1 4 0	7.9	82.3	44.7	78 100			9.0	82.5	53.7	60 000
		8.0	82.2	44.6	77 200			10.0	81.3	53.6	52 000
		8.5	81.5	44.6	71 300			11.0	80.2	53.4	45 400
		9.0	80.8	44.5	65 900			12.0	79.1	53.2	39 800
		10.0	79.5	44.3	56 900			13.0	78.0	53.0	35 000
		11.0	78.1	44.1	49 400			14.0	76.8	52.8	30 800
		12.0	76.7	43.8	43 200			15.0	75.7	52.5	27 100
		13.0	75.3	43.6	37 800			16.0	74.5	52.2	23 900
		14.0	73.9	43.3	33 200			18.0	72.2	51.6	18 400
		15.0	72.5	43.0	29 200			20.0	69.9	50.9	13 900
		16.0	71.1	42.6	25 700			22.0	67.5	50.1	10 300
		18.0	68.2	41.8	19 800			24.0	65.1	49.2	7 200
		20.0	65.3	40.9	15 100	5 4 · 9	1 8 0	9.1	82.7	56.8	56 700
4 5 · 7	1 5 0	7.9	82.8	47.7	75 500			10.0	81.8	56.7	50 300
		8.0	82.7	47.7	74 600			11.0	80.8	56.5	44 000
		8.5	82.1	47.6	69 000			12.0	79.7	56.3	38 600
		9.0	81.4	47.6	63 900			13.0	78.6	56.1	33 900
		10.0	80.2	47.4	55 300			14.0	77.6	55.9	29 800
		11.0	78.9	47.2	48 100			15.0	76.5	55.6	26 200
		12.0	77.6	47.0	42 000			16.0	75.4	55.4	23 100
		13.0	76.3	46.7	36 900			18.0	73.2	54.8	17 700
		14.0	75.0	46.4	32 400			20.0	71.0	54.1	13 400
		15.0	73.7	46.2	28 500			22.0	68.8	53.4	9 800
		16.0	72.4	45.8	25 100			24.0	66.5	52.5	6 800
		18.0	69.7	45.1	19 400	5 7 · 9	1 9 0	9.8	82.5	59.8	51 200
		20.0	67.0	44.3	14 700			10.0	82.3	59.8	49 500
		22.0	64.3	43.3	10 900			11.0	81.3	59.6	43 300
		24.0	61.4	42.3	7 700			12.0	80.3	59.4	38 100
								13.0	79.2	59.2	33 600
								14.0	78.2	59.0	29 600
								15.0	77.2	58.8	26 100
								16.0	76.2	58.5	23 000
								18.0	74.2	58.0	17 800
								20.0	72.1	57.3	13 600
								22.0	70.0	56.6	10 000
								24.0	67.8	55.8	7 000

LIFT CRANE BOOM CAPACITIES WITH LUFFING JIB ATTACHED

EUROPEAN
STANDARDS

888 SERIES 2

BOOM NO. 22EL

LUFFING JIB NO. 135

81 240 kg CRANE COUNTERWEIGHT

19 960 kg CARBODY COUNTERWEIGHT

8 585 mm CRAWLERS EXTENDED

360 DEGREE RATING

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

BOOM LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	BOOM CAPACITY KILOGRAMS	BOOM LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	BOOM CAPACITY KILOGRAMS
2 1 · 3	7 0	4.9	82.8	23.5	169 900*	3 0 · 5	1 0 0	6.1	82.7	32.6	126 700
		5.0	82.5	23.5	165 500*			6.5	81.9	32.5	116 500
		5.5	81.1	23.4	148 800*			7.0	80.9	32.5	104 900
		6.0	79.7	23.3	134 800*			7.5	80.0	32.4	95 200
		6.5	78.4	23.2	122 800*			8.0	79.0	32.3	86 900
		7.0	77.0	23.1	112 300*			8.5	78.1	32.1	79 600
		7.5	75.6	23.0	103 200*			9.0	77.1	32.0	73 100
		8.0	74.2	22.8	95 000			10.0	75.1	31.7	62 200
		8.5	72.8	22.6	86 700			11.0	73.2	31.4	53 300
		9.0	71.3	22.5	79 100			12.0	71.2	31.1	46 100
		10.0	68.4	22.1	66 300			13.0	69.2	30.7	39 900
		11.0	65.5	21.6	56 200			14.0	67.1	30.3	34 700
		12.0	62.5	21.1	48 000			15.0	65.1	29.8	30 200
		13.0	59.3	20.5	41 100			16.0	62.9	29.3	26 300
		14.0	56.1	19.8	35 000			18.0	58.6	28.1	19 800
2 4 · 4	8 0	5.2	83.0	26.6	159 300*	3 3 · 5	1 1 0	6.7	82.3	35.6	106 900
		5.5	82.2	26.5	149 100*			7.0	81.8	35.5	101 200
		6.0	81.0	26.4	135 200*			7.5	80.9	35.5	91 900
		6.5	79.8	26.3	123 100*			8.0	80.0	35.4	84 000
		7.0	78.6	26.2	112 400			8.5	79.2	35.3	77 000
		7.5	77.4	26.1	102 300			9.0	78.3	35.2	70 900
		8.0	76.2	26.0	92 500			10.0	76.5	34.9	60 500
		8.5	75.0	25.8	84 200			11.0	74.8	34.6	52 100
		9.0	73.8	25.7	77 000			12.0	73.0	34.3	45 100
		10.0	71.3	25.3	64 900			13.0	71.2	34.0	39 200
		11.0	68.8	24.9	55 300			14.0	69.3	33.6	34 100
		12.0	66.2	24.5	47 300			15.0	67.5	33.2	29 800
		13.0	63.5	24.0	40 700			16.0	65.6	32.7	25 900
		14.0	60.9	23.4	35 200			18.0	61.7	31.7	19 600
		15.0	58.1	22.8	30 400			20.0	57.7	30.4	14 600
		16.0	55.2	22.1	26 100			22.0	53.5	29.0	10 500
2 7 · 4	9 0	5.8	82.5	29.6	141 200*	3 6 · 6	1 2 0	6.7	82.9	38.7	102 500
		6.0	82.0	29.5	135 300			7.0	82.5	38.6	97 200
		6.5	81.0	29.4	121 500			7.5	81.7	38.6	88 400
		7.0	79.9	29.3	109 000			8.0	80.9	38.5	81 000
		7.5	78.9	29.2	98 600			8.5	80.1	38.4	74 500
		8.0	77.8	29.1	89 700			9.0	79.3	38.3	68 700
		8.5	76.7	29.0	81 900			10.0	77.7	38.0	58 800
		9.0	75.6	28.9	75 100			11.0	76.1	37.8	50 700
		10.0	73.4	28.6	63 600			12.0	74.4	37.5	43 900
		11.0	71.2	28.2	54 300			13.0	72.8	37.2	38 300
		12.0	69.0	27.8	46 700			14.0	71.1	36.8	33 400
		13.0	66.7	27.4	40 400			15.0	69.5	36.5	29 100
		14.0	64.4	26.9	35 000			16.0	67.8	36.1	25 400
		15.0	62.0	26.4	30 300			18.0	64.3	35.1	19 300
		16.0	59.6	25.8	26 300			20.0	60.7	34.0	14 400
		18.0	54.5	24.4	19 500			22.0	57.0	32.8	10 400
								24.0	53.2	31.3	7 100

LIFT CRANE BOOM CAPACITIES WITH LUFFING JIB ATTACHED

EUROPEAN
STANDARDS

888 SERIES 2

BOOM NO. 22EL

LUFFING JIB NO. 135

81 240 kg CRANE COUNTERWEIGHT

19 960 kg CARBODY COUNTERWEIGHT

8 585 mm CRAWLERS EXTENDED

360 DEGREE RATING

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

BOOM LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	BOOM CAPACITY KILOGRAMS	BOOM LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	BOOM CAPACITY KILOGRAMS
3 9 · 6	1 3 0	7.3	82.6	41.7	88 200	4 8 · 8	1 6 0	8.5	82.5	50.7	65 000
		7.5	82.3	41.6	85 600			9.0	82.0	50.7	60 600
		8.0	81.6	41.6	78 400			10.0	80.8	50.5	52 300
		8.5	80.9	41.5	72 200			11.0	79.6	50.3	45 500
		9.0	80.1	41.4	66 700			12.0	78.4	50.1	39 700
		10.0	78.6	41.2	57 300			13.0	77.2	49.9	34 700
		11.0	77.2	40.9	49 500			14.0	76.0	49.6	30 400
		12.0	75.7	40.7	43 000			15.0	74.8	49.3	26 600
		13.0	74.2	40.4	37 500			16.0	73.5	49.0	23 300
		14.0	72.6	40.1	32 800			18.0	71.1	48.4	17 700
		15.0	71.1	39.7	28 700			20.0	68.5	47.6	13 300
		16.0	69.6	39.4	25 100			22.0	66.0	46.7	9 500
		18.0	66.4	38.5	19 100			24.0	63.4	45.7	6 400
		20.0	63.2	37.5	14 300	5 1 · 8	1 7 0	8.5	83.0	53.8	63 000
		22.0	59.9	36.4	10 300			9.0	82.5	53.7	58 800
		24.0	56.4	35.1	7 100			10.0	81.3	53.6	50 900
4 2 · 7	1 4 0	7.9	82.3	44.7	76 700			11.0	80.2	53.4	44 300
		8.0	82.2	44.6	75 800			12.0	79.1	53.2	38 700
		8.5	81.5	44.6	69 900			13.0	78.0	53.0	33 900
		9.0	80.8	44.5	64 600			14.0	76.8	52.8	29 700
		10.0	79.5	44.3	55 600			15.0	75.7	52.5	26 100
		11.0	78.1	44.1	48 200			16.0	74.5	52.2	22 900
		12.0	76.7	43.8	42 000			18.0	72.2	51.6	17 400
		13.0	75.3	43.6	36 700			20.0	69.9	50.9	13 000
		14.0	73.9	43.3	32 100			22.0	67.5	50.1	9 400
		15.0	72.5	43.0	28 100			24.0	65.1	49.2	6 300
		16.0	71.1	42.6	24 600	5 4 · 9	1 8 0	9.1	82.7	56.8	55 600
		18.0	68.2	41.8	18 800			10.0	81.8	56.7	49 200
		20.0	65.3	40.9	14 100			11.0	80.8	56.5	42 900
		22.0	62.2	39.9	10 200			12.0	79.7	56.3	37 500
		24.0	59.1	38.7	7 000			13.0	78.6	56.1	32 900
4 5 · 7	1 5 0	7.9	82.8	47.7	74 200			14.0	77.6	55.9	28 800
		8.0	82.7	47.7	73 300			15.0	76.5	55.6	25 300
		8.5	82.1	47.6	67 700			16.0	75.4	55.4	22 100
		9.0	81.4	47.6	62 700			18.0	73.2	54.8	16 800
		10.0	80.2	47.4	54 000			20.0	71.0	54.1	12 500
		11.0	78.9	47.2	46 900			22.0	68.8	53.4	8 900
		12.0	77.6	47.0	40 900			24.0	66.5	52.5	5 900
		13.0	76.3	46.7	35 800	5 7 · 9	1 9 0	9.8	82.5	59.8	50 100
		14.0	75.0	46.4	31 300			10.0	82.3	59.8	48 500
		15.0	73.7	46.2	27 500			11.0	81.3	59.6	42 300
		16.0	72.4	45.8	24 100			12.0	80.3	59.4	37 100
		18.0	69.7	45.1	18 300			13.0	79.2	59.2	32 600
		20.0	67.0	44.3	13 700			14.0	78.2	59.0	28 600
		22.0	64.3	43.3	9 900			15.0	77.2	58.8	25 200
		24.0	61.4	42.3	6 800			16.0	76.2	58.5	22 100
4 5 · 7	1 5 0	7.9	82.8	47.7	74 200			18.0	74.2	58.0	16 900
		8.0	82.7	47.7	73 300			20.0	72.1	57.3	12 700
		8.5	82.1	47.6	67 700			22.0	70.0	56.6	9 200
		9.0	81.4	47.6	62 700			24.0	67.8	55.8	6 200
		10.0	80.2	47.4	54 000						
		11.0	78.9	47.2	46 900						
		12.0	77.6	47.0	40 900						
		13.0	76.3	46.7	35 800						
		14.0	75.0	46.4	31 300						
		15.0	73.7	46.2	27 500						
		16.0	72.4	45.8	24 100						
		18.0	69.7	45.1	18 300						
		20.0	67.0	44.3	13 700						
		22.0	64.3	43.3	9 900						
		24.0	61.4	42.3	6 800						