

LIFTCRANE BOOM CAPACITIES

BRITISH
STANDARDS

888 SERIES 1

BOOM NO. 22E WITH OPEN THROAT TOP

65 360 kg COUNTERWEIGHT

360 DEGREE RATING

CAPACITIES FOR VARIOUS BOOM LENGTHS AND OPERATING RADII ARE FOR FREELY SUSPENDED LOADS AND ARE CALCULATED TO COMPLY WITH BS 1757-1986 CLAUSE 9, I.S.O. 4305 AND BS 2573 PART 1 - 1983 TABLES 5(a) AND 6(a). CAPACITIES BASED ON STRUCTURAL COMPETENCE ARE DENOTED BY AN ASTERISK (*). CAPACITIES ARE NOT SHOWN FOR BOOM POSITIONS WHICH, WITHOUT LOAD, PROVIDE LESS THAN REQUIRED BS 1757 BACKWARD STABILITY.

UPPER BOOM POINT CAPACITY FOR LIFTCRANE SERVICE WITH SINGLE PART WHIP LINE OR COMBINATION OF TWO SINGLE PART LINES IS 13 380 kg. IN ALL CASES, UPPER BOOM POINT CAPACITIES CANNOT EXCEED THOSE LISTED FOR MAIN BOOM CAPACITY.

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

MACHINE TO OPERATE IN A LEVEL POSITION ON A FIRM UNIFORMLY SUPPORTING SURFACE WITH GANTRY UP. REFER TO BOOM RIGGING NO. 176519 AND WIRE ROPE SPECIFICATION CHART NO. 7790-A. CRANE OPERATOR JUDGMENT MUST BE USED TO ALLOW FOR DYNAMIC LOAD EFFECTS OF SWINGING, HOISTING OR LOWERING, TRAVEL, WIND CONDITIONS, AS WELL AS ADVERSE OPERATING CONDITIONS AND PHYSICAL MACHINE DEPRECIATION.

MACHINE MAY BE OPERATED WITHIN WIND LIMITS SHOWN IN TABLE PROVIDED CRANE OPERATOR JUDGMENT IS USED TO ALLOW FOR WIND EFFECT ON LIFTED LOAD AND OTHER CONSIDERATIONS NOTED ON CAPACITY CHART ARE FOLLOWED. WIND WILL HAVE A CONSIDERABLE EFFECT ON A LOAD WITH A LARGE 'SAIL AREA' AND MUST BE COMPENSATED FOR ACCORDINGLY BY REDUCING LOAD RATINGS, REDUCING OPERATING SPEEDS OR BY A COMBINATION OF BOTH. RECOMMEND STOPPING OPERATION AND LOWERING BOOM AND JIB TO APPROXIMATELY 70 DEGREE BOOM ANGLE WHEN WIND EXCEEDS THOSE SHOWN IN TABLE. LOWER BOOM AND JIB TO GROUND WHEN WIND IS ABOVE 22 m/s.

MACHINE TO TRAVEL ON A FIRM, LEVEL AND UNIFORMLY SUPPORTING SURFACE AND BOOM WITHIN BOOM ANGLE RANGE SHOWN IN CAPACITY CHART. REFER TO MAXIMUM ALLOWABLE TRAVEL SPECIFICATION CHART NO. 7771-A.

OPERATING RADIUS IS HORIZONTAL DISTANCE FROM AXIS OF ROTATION TO CENTER OF VERTICAL HOIST LINE OR LOAD BLOCK. BOOM ANGLE IS ANGLE BETWEEN HORIZONTAL AND CENTERLINE OF BOOM BUTT AND INSERTS, AND IS AN INDICATION OF OPERATING RADIUS. IN ALL CASES, OPERATING RADIUS SHALL GOVERN CAPACITY. BOOM POINT ELEVATION IS VERTICAL DISTANCE FROM GROUND LEVEL TO CENTERLINE OF BOOM POINT SHAFT.

MACHINE EQUIPPED WITH 8 585 mm EXTENDIBLE CRAWLERS, 1 219 mm TREADS, 3 124 mm RETRACTABLE GANTRY, 9 144 mm MAST, 20 PART BOOM HOIST REEVING, FOUR 35 mm BOOM PENDANTS, AND 65 360 kg COUNTERWEIGHT.

WIND LIMITS DURING OPERATION		
MAXIMUM WIND VELOCITY m/s	BOOM LENGTH METERS	JIB LENGTH METERS
14	21.3 - 67.1	---
10	70.1 - 79.2	---
14	27.4 - 67.1	9.1 - 18.3
10	70.1	9.1 - 15.2

DEDUCT FROM CAPACITIES WHEN JIB IS ATTACHED	
JIB LENGTH	JIB NO. 123
9.1m	1 130 kg
12.2m	1 410 kg
15.2m	1 680 kg
18.3m	2 000 kg

DEDUCT 1 810 kg FROM CAPACITIES
WHEN BOOM BUTT IS EQUIPPED
WITH AUXILIARY DRUM.

MAXIMUM BOOM AND JIB LENGTHS LIFTED UNASSISTED WITHOUT AUXILIARY DRUM IN BOOM BUTT							
OVER FRONT OF BLOCKED CRAWLERS		OVER REAR OF BLOCKED CRAWLERS		OVER SIDE OF EXTENDED CRAWLERS		OVER SIDE OF RETRACTED CRAWLERS	
BOOM LENGTH	JIB NO. 123	BOOM LENGTH	JIB NO. 123	BOOM LENGTH	JIB NO. 123	BOOM LENGTH	JIB NO. 123
(a) 79.2m	---	(a) 76.2m	---	67.1m	---	64.0m	---
(a) 76.2m	---	73.2m	---	64.0m	12.2m	61.0m	9.1m
73.2m	---	70.1m	12.2m	61.0m	18.3m	57.9m	18.3m
70.1m	15.2m	67.1m	18.3m				
67.1m	18.3m						

LOAD BLOCK, HOOK AND WEIGHT BALL ON GROUND AT START. (a) UPPER BOOM POINT CANNOT BE USED ON 79.2m AND 76.2m BOOM. WIRE ROPE GUIDE ASSEMBLY 179061 UPPER AND MIDDLE SHEAVES AND SHAFTS OR ASSEMBLY 92671 UPPER SHEAVE AND SHAFT MUST BE REMOVED ON 79.2m BOOM WHEN LIFTED OVER FRONT OF BLOCKED CRAWLERS.

MAXIMUM BOOM AND JIB LENGTHS LIFTED UNASSISTED WITH AUXILIARY DRUM IN BOOM BUTT							
OVER FRONT OF BLOCKED CRAWLERS		OVER REAR OF BLOCKED CRAWLERS		OVER SIDE OF EXTENDED CRAWLERS		OVER SIDE OF RETRACTED CRAWLERS	
BOOM LENGTH	JIB NO. 123	BOOM LENGTH	JIB NO. 123	BOOM LENGTH	JIB NO. 123	BOOM LENGTH	JIB NO. 123
(a) 76.2m	---	(a) 76.2m	---	67.1m	---	61.0m	---
73.2m	---	73.2m	---	64.0m	9.1m	57.9m	15.2m
70.1m	12.2m	70.1m	9.1m	61.0m	18.3m	54.9m	18.3m
67.1m	18.3m	67.1m	18.3m				

LOAD BLOCK, HOOK AND WEIGHT BALL ON GROUND AT START. (a) UPPER BOOM POINT CANNOT BE USED ON 76.2m BOOM.

CONSULT JIB CHART FOR JIB CAPACITIES. UPPER BOOM POINT CANNOT BE USED WHEN JIB IS ATTACHED.

MANITOWOC ENGINEERING CO.

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



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65 360 kg COUNTERWEIGHT
360 DEGREE RATING

BOOM LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	BOOM CAPACITY CRAWLERS RETRACTED KILOGRAMS	BOOM CAPACITY CRAWLERS EXTENDED KILOGRAMS
2 1 3	7 0	4.6	81.8	23.6		196 800*
		5.0	80.6	23.5		181 200*
		5.5	79.3	23.4		165 700*
		6.0	77.9	23.3		152 600*
		7.0	75.1	23.1		131 500*
		8.0	72.3	22.8		115 000
		9.0	69.5	22.4		94 700
		10.0	66.6	22.0		80 200
		11.0	63.6	21.6		69 400
		12.0	60.6	21.0		61 000
		13.0	57.5	20.4		54 200
		14.0	54.2	19.8	41 500	48 700
		15.0	50.8	19.0	37 700	44 100
		16.0	47.3	18.1	34 400	40 200
		18.0	39.4	16.0	29 100	34 000
		20.0	30.0	13.1	25 000	29 200
2 4 4	8 0	5.2	81.4	26.6		174 900*
		5.5	80.6	26.5		165 400*
		6.0	79.4	26.4		152 300*
		7.0	77.0	26.2		131 200*
		8.0	74.6	26.0		114 800
		9.0	72.1	25.7		94 800
		10.0	69.7	25.3		80 300
		11.0	67.1	24.9		69 400
		12.0	64.6	24.5		60 900
		13.0	61.9	24.0	46 000	54 200
		14.0	59.2	23.4	41 400	48 600
		15.0	56.5	22.8	37 500	44 000
		16.0	53.6	22.1	34 200	40 100
		18.0	47.5	20.4	29 000	33 900
		20.0	40.7	18.4	24 900	29 100
		22.0	32.9	15.7	21 600	25 300
		24.0	22.8	11.9	19 000	22 200
2 7 4	9 0	5.5	81.7	29.6		165 500*
		6.0	80.6	29.5		152 000*
		7.0	78.5	29.3		130 900*
		8.0	76.3	29.1		114 500
		9.0	74.2	28.9		94 900
		10.0	72.0	28.5		80 200
		11.0	69.8	28.2		69 300
		12.0	67.5	27.8		60 800
		13.0	65.3	27.4	45 800	54 100
		14.0	62.9	26.9	41 200	48 500
		15.0	60.6	26.4	37 400	43 900
		16.0	58.1	25.8	34 100	40 000
		18.0	53.1	24.4	28 800	33 700
		20.0	47.7	22.7	24 700	28 900
		22.0	41.7	20.7	21 500	25 200
		24.0	35.0	18.2	18 800	22 100
		26.0	26.8	14.8	16 600	19 500
3 0 5	1 0 0	5.8	82.0	32.6		157 000*
		6.0	81.6	32.6		151 800*
		7.0	79.7	32.4		130 700*
		8.0	77.7	32.2		114 300
		9.0	75.8	32.0		95 000
		10.0	73.9	31.7		80 200
		11.0	71.9	31.4		69 300
		12.0	69.9	31.1	51 300	60 800
		13.0	67.9	30.7	45 700	54 000
		14.0	65.8	30.3	41 100	48 500
		15.0	63.8	29.8	37 300	43 800
		16.0	61.6	29.3	34 000	39 900
		18.0	57.3	28.1	28 700	33 600
		20.0	52.7	26.7	24 600	28 800
		22.0	47.8	25.0	21 400	25 100
		24.0	42.5	23.0	18 700	22 000
		26.0	36.6	20.6	16 500	19 400
		28.0	29.7	17.6	14 600	17 300
		30.0	20.9	13.3	13 000	15 400

BOOM LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	BOOM CAPACITY CRAWLERS RETRACTED KILOGRAMS	BOOM CAPACITY CRAWLERS EXTENDED KILOGRAMS
3 3 5	1 1 0	6.7	81.1	35.6		135 900*
		7.0	80.6	35.5		130 500*
		8.0	78.9	35.4		113 900
		9.0	77.1	35.1		94 900
		10.0	75.4	34.9		80 100
		11.0	73.6	34.6	58 000	69 200
		12.0	71.8	34.3	51 100	60 600
		13.0	70.0	34.0	45 500	53 900
		14.0	68.2	33.6	41 000	48 300
		15.0	66.3	33.2	37 100	43 600
		16.0	64.4	32.7	33 800	39 700
		18.0	60.6	31.7	28 500	33 400
		20.0	56.6	30.4	24 400	28 600
		22.0	52.4	29.0	21 100	24 900
		24.0	47.9	27.3	18 500	21 700
		26.0	43.1	25.4	16 300	19 200
		28.0	37.8	23.0	14 400	17 100
		30.0	31.9	20.2	12 800	15 200
		32.0	24.6	16.4	11 400	13 600
3 6 6	1 2 0	6.7	81.9	38.7		135 600*
		7.0	81.4	38.6		130 200*
		8.0	79.8	38.5		113 700
		9.0	78.2	38.3		94 800
		10.0	76.6	38.0		80 000
		11.0	75.0	37.8	57 800	69 000
		12.0	73.4	37.5	50 900	60 500
		13.0	71.7	37.2	45 400	53 700
		14.0	70.1	36.8	40 800	48 100
		15.0	68.4	36.5	36 900	43 500
		16.0	66.7	36.0	33 600	39 600
		18.0	63.2	35.1	28 300	33 300
		20.0	59.7	34.0	24 200	28 500
		22.0	56.0	32.8	20 900	24 700
		24.0	52.1	31.3	18 300	21 600
		26.0	48.0	29.6	16 100	19 100
		28.0	43.6	27.7	14 200	16 900
		30.0	38.9	25.4	12 600	15 100
		32.0	33.6	22.7	11 200	13 500
		34.0	27.4	19.3	10 000	12 100
		36.0	19.5	14.7	8 900	10 900
3 9 6	1 3 0	7.3	81.6	41.7		124 300*
		8.0	80.6	41.6		113 500
		9.0	79.1	41.4		94 900
		10.0	77.6	41.2	66 600	80 000
		11.0	76.2	40.9	57 800	69 000
		12.0	74.7	40.7	50 900	60 500
		13.0	73.2	40.4	45 300	53 700
		14.0	71.6	40.1	40 700	48 100
		15.0	70.1	39.7	36 800	43 500
		16.0	68.6	39.3	33 500	39 500
		18.0	65.4	38.5	28 200	33 200
		20.0	62.2	37.5	24 100	28 400
		22.0	58.9	36.4	20 900	24 600
		24.0	55.4	35.1	18 200	21 600
		26.0	51.9	33.6	16 000	19 000
		28.0	48.1	31.9	14 200	16 800
		30.0	44.1	30.0	12 600	15 000
		32.0	39.7	27.8	11 200	13 500
		34.0	35.0	25.2	10 000	12 100
		36.0	29.5	22.0	8 900	10 900
		38.0	23.0	17.9	7 900	9 800

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BOOM LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	BOOM CAPACITY CRAWLERS RETRACTED KILOGRAMS	BOOM CAPACITY CRAWLERS EXTENDED KILOGRAMS
4 2 · 7	1 4 0	7.9	81.4	44.6		114 500*
		8.0	81.3	44.6		113 100
		9.0	79.9	44.5		94 700
		10.0	78.5	44.3	66 300	79 900
		11.0	77.2	44.1	57 600	68 900
		12.0	75.8	43.8	50 700	60 300
		13.0	74.4	43.6	45 100	53 500
		14.0	73.0	43.3	40 500	47 900
		15.0	71.6	42.9	36 700	43 300
		16.0	70.2	42.6	33 400	39 300
		18.0	67.3	41.8	28 000	33 000
		20.0	64.3	40.9	24 000	28 200
		22.0	61.3	39.9	20 700	24 400
		24.0	58.2	38.7	18 000	21 300
		26.0	55.0	37.4	15 800	18 800
		28.0	51.7	35.9	14 000	16 700
		30.0	48.1	34.2	12 400	14 900
		32.0	44.4	32.3	11 000	13 300
4 5 · 7	1 5 0	34.0	40.4	30.1	9 800	11 900
		36.0	36.1	27.6	8 700	10 700
		38.0	31.3	24.6	7 800	9 600
		40.0	25.6	20.9	6 900	8 600
		42.0	18.5	16.0	6 100	7 700
		7.9	82.0	47.7		109 000*
		8.0	81.9	47.7		108 300
		9.0	80.6	47.6		95 100
		10.0	79.3	47.4	66 200	79 700
		11.0	78.0	47.2	57 400	68 700
		12.0	76.8	47.0	50 500	60 200
		13.0	75.5	46.7	44 900	53 300
		14.0	74.2	46.4	40 300	47 700
		15.0	72.9	46.1	36 400	43 000
		16.0	71.5	45.8	33 100	39 100
		18.0	68.9	45.1	27 800	32 800
		20.0	66.2	44.3	23 700	28 000
		22.0	63.4	43.3	20 400	24 200
4 8 · 8	1 6 0	24.0	60.6	42.3	17 800	21 100
		26.0	57.6	41.1	15 600	18 500
		28.0	54.6	39.7	13 700	16 400
		30.0	51.5	38.2	12 100	14 600
		32.0	48.2	36.5	10 700	13 000
		34.0	44.7	34.6	9 500	11 600
		36.0	41.1	32.5	8 400	10 400
		38.0	37.1	30.0	7 500	9 300
		40.0	32.7	27.2	6 600	8 300
		42.0	27.7	23.7	5 800	7 500
		44.0	21.7	19.4	5 100	6 700
		8.5	81.7	50.7	84 100	102 000*
		9.0	81.2	50.7	77 600	94 300
		10.0	80.0	50.5	65 900	79 500
		11.0	78.8	50.3	57 200	68 500
		12.0	77.6	50.1	50 300	59 900
		13.0	76.4	49.9	44 700	53 100
		14.0	75.2	49.6	40 100	47 500
		15.0	74.0	49.3	36 200	42 800
		16.0	72.7	49.0	32 900	38 900
		18.0	70.3	48.4	27 500	32 600
		20.0	67.7	47.6	23 500	27 800
		22.0	65.2	46.7	20 200	23 900
		24.0	62.6	45.7	17 500	20 900
		26.0	59.9	44.6	15 300	18 300

BOOM LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	BOOM CAPACITY CRAWLERS RETRACTED KILOGRAMS	BOOM CAPACITY CRAWLERS EXTENDED KILOGRAMS
4 8 · 8	1 6 0	28.0	57.1	43.4	13 500	16 200
		30.0	54.3	42.1	11 900	14 400
		32.0	51.3	40.5	10 500	12 800
		34.0	48.2	38.8	9 300	11 400
		36.0	45.0	37.0	8 200	10 200
		38.0	41.6	34.8	7 300	9 100
		40.0	37.9	32.4	6 400	8 200
		42.0	33.9	29.7	5 700	7 300
		44.0	29.4	26.4	5 000	6 500
		46.0	24.2	22.5	4 300	5 800
5 1 · 8	1 7 0	9.1	81.5	53.7	75 500	91 800
		10.0	80.6	53.6	65 800	79 400
		11.0	79.5	53.4	57 100	68 400
		12.0	78.3	53.2	50 100	59 800
		13.0	77.2	53.0	44 600	53 000
		14.0	76.1	52.8	40 000	47 400
		15.0	74.9	52.5	36 000	42 700
		16.0	73.8	52.2	32 700	38 700
		18.0	71.5	51.6	27 400	32 400
		20.0	69.1	50.9	23 300	27 600
		22.0	66.7	50.1	20 000	23 800
		24.0	64.3	49.1	17 400	20 700
		26.0	61.8	48.1	15 200	18 200
		28.0	59.3	47.0	13 300	16 000
		30.0	56.7	45.7	11 700	14 200
		32.0	54.0	44.4	10 300	12 700
		34.0	51.2	42.8	9 100	11 300
		36.0	48.3	41.1	8 100	10 100
5 4 · 9	1 8 0	38.0	45.3	39.3	7 100	9 000
		40.0	42.1	37.2	6 300	8 000
		42.0	38.6	34.8	5 500	7 200
		44.0	34.9	32.1	4 800	6 400
		46.0	30.9	29.0	4 200	5 700
		48.0	26.2	25.4	3 600	5 000
		50.0	20.7	20.8	3 100	4 400
		9.1	82.0	56.8	75 200	89 600*
		10.0	81.1	56.7	65 600	79 500
		11.0	80.1	56.5	56 800	68 200
		12.0	79.0	56.3	49 900	59 600
		13.0	77.9	56.1	44 300	52 800
		14.0	76.9	55.9	39 700	47 200
		15.0	75.8	55.6	35 800	42 500
		16.0	74.7	55.4	32 500	38 500
		18.0	72.5	54.8	27 200	32 200
		20.0	70.3	54.1	23 100	27 400
		22.0	68.1	53.4	19 800	23 600
		24.0	65.8	52.5	17 100	20 500
		26.0	63.5	51.6	15 000	17 900
		28.0	61.1	50.5	13 100	15 800
		30.0	58.7	49.4	11 500	14 000
		32.0	56.3	48.1	10 100	12 400
		34.0	53.7	46.7	8 900	11 000
		36.0	51.1	45.1	7 900	9 800
		38.0	48.3	43.4	6 900	8 800
		40.0	45.5	41.6	6 100	7 800
		42.0	42.5	39.5	5 300	6 900
		44.0	39.3	37.2	4 600	6 100
		46.0	35.8	34.6	3 900	5 400
		48.0	32.1	31.6	3 400	4 800
		50.0	27.9	28.2	2 800	4 200
		52.0	23.1	24.0	2 400	3 600

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BOOM LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	BOOM CAPACITY CRAWLERS RETRACTED KILOGRAMS	BOOM CAPACITY CRAWLERS EXTENDED KILOGRAMS
5 7 9	1 9 0	9.8	81.8	59.8	68 000	82 100*
		10.0	81.6	59.7	65 600	79 100
		11.0	80.6	59.6	56 700	68 100
		12.0	79.6	59.4	49 700	59 500
		13.0	78.6	59.2	44 100	52 600
		14.0	77.6	59.0	39 500	47 000
		15.0	76.5	58.8	35 600	42 300
		16.0	75.5	58.5	32 300	38 300
		18.0	73.5	58.0	26 900	32 000
		20.0	71.4	57.3	22 800	27 200
		22.0	69.3	56.6	19 500	23 400
		24.0	67.2	55.8	16 900	20 300
		26.0	65.0	54.9	14 700	17 700
		28.0	62.8	54.0	12 800	15 500
		30.0	60.5	52.9	11 200	13 700
		32.0	58.2	51.7	9 800	12 100
		34.0	55.9	50.4	8 600	10 800
		36.0	53.5	49.0	7 500	9 500
		38.0	51.0	47.4	6 600	8 500
		40.0	48.4	45.7	5 700	7 500
		42.0	45.7	43.9	5 000	6 600
		44.0	42.8	41.8	4 300	5 900
		46.0	39.8	39.5	3 700	5 200
		48.0	36.6	37.0	3 100	4 500
		50.0	33.2	34.1	2 600	3 900
6 1 0	2 0 0	52.0	29.4	30.8	2 100	3 400
		54.0	25.0	27.0		2 900
		56.0	19.8	22.1		2 400
		10.4	81.7	62.8	61 800	74 600
		11.0	81.1	62.7	56 500	67 900
		12.0	80.1	62.5	49 500	59 200
		13.0	79.1	62.3	43 900	52 400
		14.0	78.2	62.1	39 300	46 700
		15.0	77.2	61.9	35 400	42 100
		16.0	76.3	61.7	32 000	38 100
		18.0	74.3	61.2	26 700	31 700
		20.0	72.4	60.6	22 600	26 900
		22.0	70.4	59.9	19 300	23 100
		24.0	68.4	59.1	16 600	20 000
		26.0	66.3	58.3	14 400	17 400
		28.0	64.3	57.4	12 600	15 300
		30.0	62.2	56.4	10 900	13 500
		32.0	60.0	55.3	9 600	11 900
		34.0	57.8	54.0	8 400	10 500
		36.0	55.6	52.7	7 300	9 300
		38.0	53.2	51.3	6 300	8 200
		40.0	50.9	49.7	5 500	7 300
		42.0	48.4	48.0	4 800	6 400
		44.0	45.8	46.2	4 100	5 600
		46.0	43.1	44.1	3 500	4 900
		48.0	40.3	41.9	2 900	4 200
		50.0	37.3	39.4	2 300	3 700
		52.0	34.1	36.6		3 100
		54.0	30.6	33.5		2 600
		56.0	26.7	29.8		2 200
6 4 0	2 1 0	11.0	81.5	65.8	56 500	68 000
		12.0	80.6	65.6	49 300	59 100
		13.0	79.7	65.4	43 700	52 200
		14.0	78.8	65.2	39 100	46 600
		15.0	77.8	65.0	35 200	41 900
		16.0	76.9	64.8	31 800	37 900
		18.0	75.1	64.3	26 500	31 600
		20.0	73.2	63.7	22 400	26 800
		22.0	71.3	63.1	19 100	22 900
		24.0	69.4	62.4	16 500	19 800
		26.0	67.5	61.6	14 200	17 300
		28.0	65.6	60.7	12 400	15 100
		30.0	63.6	59.8	10 800	13 300
		32.0	61.6	58.7	9 400	11 700

BOOM LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	BOOM CAPACITY CRAWLERS RETRACTED KILOGRAMS	BOOM CAPACITY CRAWLERS EXTENDED KILOGRAMS
6 4 0	2 1 0	34.0	59.5	57.6	8 200	10 300
		36.0	57.4	56.4	7 100	9 100
		38.0	55.3	55.1	6 200	8 000
		40.0	53.1	53.6	5 300	7 100
		42.0	50.8	52.0	4 600	6 200
		44.0	48.4	50.3	3 900	5 500
		46.0	46.0	48.5	3 300	4 800
		48.0	43.4	46.5	2 700	4 100
		50.0	40.8	44.3	2 200	3 500
		52.0	37.9	41.8		2 900
		54.0	34.9	39.1		2 500
		56.0	31.7	36.1		2 000
6 7 1	2 2 0	11.0	81.9	68.8	56 300	67 400*
		12.0	81.0	68.7	49 100	58 900
		13.0	80.1	68.5	43 500	52 000
		14.0	79.3	68.3	38 900	46 400
		15.0	78.4	68.1	35 000	41 700
		16.0	77.5	67.9	31 600	37 700
		18.0	75.8	67.5	26 300	31 300
		20.0	74.0	66.9	22 100	26 500
		22.0	72.2	66.3	18 900	22 700
		24.0	70.4	65.6	16 200	19 600
		26.0	68.6	64.9	14 000	17 000
		28.0	66.7	64.1	12 100	14 900
		30.0	64.9	63.2	10 500	13 000
		32.0	63.0	62.2	9 200	11 500
		34.0	61.0	61.1	7 900	10 100
		36.0	59.1	60.0	6 900	8 900
		38.0	57.0	58.7	5 900	7 800
		40.0	55.0	57.4	5 100	6 900
		42.0	52.9	55.9	4 300	6 000
		44.0	50.7	54.3	3 600	5 200
		46.0	48.5	52.6	3 000	4 500
		48.0	46.1	50.8	2 400	3 800
		50.0	43.7	48.8	1 900	3 300
		52.0	41.2	46.6		2 700
		54.0	38.5	44.2		2 200
7 0 1	2 3 0	11.6	81.8	71.8	51 700	61 200*
		12.0	81.4	71.8	49 000	58 500
		13.0	80.6	71.6	43 300	51 800
		14.0	79.7	71.4	38 600	46 200
		15.0	78.9	71.3	34 700	41 500
		16.0	78.1	71.1	31 400	37 500
		18.0	76.4	70.6	26 000	31 100
		20.0	74.7	70.1	21 900	26 300
		22.0	73.0	69.5	18 600	22 400
		24.0	71.3	68.9	15 900	19 300
		26.0	69.6	68.2	13 700	16 800
		28.0	67.8	67.4	11 800	14 600
		30.0	66.0	66.5	10 200	12 800
		32.0	64.2	65.6	8 800	11 200
		34.0	62.4	64.6	7 700	9 800
		36.0	60.5	63.5	6 600	8 600
		38.0	58.6	62.3	5 600	7 500
		40.0	56.7	61.1	4 800	6 500
		42.0	54.7	59.7	4 000	5 700
		44.0	52.7	58.2	3 300	4 900
		46.0	50.6	56.6	2 700	4 200
		48.0	48.5	54.9	2 100	3 600
		50.0	46.3	53.1		3 000
		52.0	43.9	51.1		2 400

MANITOWOC ENGINEERING CO.

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



LIFTCRANE BOOM CAPACITIES

BRITISH
STANDARDS

888 SERIES 1

BOOM NO. 22E WITH OPEN THROAT TOP
65 360 kg COUNTERWEIGHT
360 DEGREE RATING

BOOM LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	BOOM CAPACITY CRAWLERS RETRACTED KILOGRAMS	BOOM CAPACITY CRAWLERS EXTENDED KILOGRAMS
7 3 2	2 4 0	12.2	81.6	74.8	47 600	55 500*
		13.0	81.0	74.7	43 100	51 800
		14.0	80.2	74.5	38 500	46 000
		15.0	79.4	74.4	34 500	41 300
		16.0	78.6	74.2	31 200	37 300
		18.0	77.0	73.7	25 800	30 900
		20.0	75.4	73.2	21 700	26 100
		22.0	73.7	72.7	18 400	22 200
		24.0	72.1	72.1	15 700	19 100
		26.0	70.5	71.4	13 500	16 500
		28.0	68.8	70.7	11 600	14 400
		30.0	67.1	69.8	10 000	12 500
		32.0	65.4	69.0	8 600	11 000
		34.0	63.6	68.0	7 400	9 600
		36.0	61.9	67.0	6 400	8 400
		38.0	60.1	65.9	5 400	7 300
		40.0	58.3	64.7	4 600	6 400
		42.0	56.4	63.4	3 800	5 500
		44.0	54.5	62.0	3 100	4 700
		46.0	52.6	60.5	2 500	4 000
7 6 2	2 5 0	48.0	50.6	59.0		3 300
		50.0	48.5	57.2		2 800
		52.0	46.4	55.4		2 200
		12.2	82.0	77.9	47 400	50 300*
		13.0	81.3	77.8	42 900	49 800
		14.0	80.6	77.6	38 300	45 900
		15.0	79.8	77.5	34 300	41 100
		16.0	79.0	77.3	31 000	37 100
		18.0	77.5	76.9	25 600	30 700
		20.0	76.0	76.4	21 500	25 800
		22.0	74.4	75.9	18 200	22 000
		24.0	72.8	75.3	15 500	18 900
		26.0	71.3	74.6	13 300	16 400
		28.0	69.7	73.9	11 400	14 200
		30.0	68.1	73.1	9 800	12 400
		32.0	66.4	72.3	8 400	10 700
		34.0	64.8	71.4	7 200	9 400
		36.0	63.1	70.4	6 100	8 200
		38.0	61.4	69.4	5 200	7 100
		40.0	59.7	68.2	4 300	6 100
7 9 2	2 6 0	42.0	57.9	67.0	3 600	5 300
		44.0	56.1	65.7	2 900	4 500
		46.0	54.3	64.3	2 300	3 800
		48.0	52.4	62.8		3 100
		50.0	50.5	61.3		2 500
		12.8	81.8	80.9	43 700	45 800*
		13.0	81.7	80.9	42 700	45 700*
		14.0	80.9	80.7	38 000	45 400*
		15.0	80.2	80.6	34 100	40 900
		16.0	79.5	80.4	30 700	36 900
		18.0	78.0	80.0	25 400	30 500
		20.0	76.5	79.5	21 200	25 600
		22.0	75.0	79.0	17 900	21 800
		24.0	73.5	78.5	15 300	18 700
		26.0	72.0	77.8	13 100	16 100
		28.0	70.5	77.2	11 200	13 900
		30.0	68.9	76.4	9 600	12 100
		32.0	67.4	75.6	8 200	10 500
		34.0	65.8	74.7	7 000	9 100
		36.0	64.2	73.8	5 900	7 900
		38.0	62.6	72.8	4 900	6 800
		40.0	61.0	71.7	4 100	5 900
		42.0	59.3	70.6	3 300	5 000
		44.0	57.6	69.4	2 600	4 200
		46.0	55.9	68.1		3 500
		48.0	54.1	66.6		2 900
		50.0	52.3	65.2		2 300