

LIFTCRANE BOOM CAPACITIES

BRITISH
STANDARDS

888 SERIES 2

BOOM NO. 22E WITH OPEN THROAT TOP

81 240 kg CRANE COUNTERWEIGHT

19 960 kg CARBODY 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 81 240 kg CRANE COUNTERWEIGHT AND 19 960 kg CARBODY COUNTERWEIGHT.

WIND LIMITS DURING OPERATION		
MAXIMUM WIND VELOCITY m/s	BOOM LENGTH METERS	JIB LENGTH METERS
14	21.3 - 67.1	---
10	70.1 - 82.3	---
7	85.3 - 88.4	---
14	27.4 - 67.1	9.1 - 18.3
10	70.1 - 79.2	9.1 - 18.3
10	82.3	9.1

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) 88.4m	---	(a) 88.4m	---	(a) 79.2m	---	73.2m	---
85.3m	---	(a) 85.3m	---	76.2m	---	70.1m	9.1m
82.3m	9.1m	82.3m	---	73.2m	15.2m	67.1m	18.3m
79.2m	18.3m	79.2m	15.2m	70.1m	18.3m		
		76.2m	18.3m				

LOAD BLOCK, HOOK AND WEIGHT BALL ON GROUND AT START. (a) UPPER BOOM POINT CANNOT BE USED ON 88.4m BOOM AND CANNOT BE LIFTED OVER REAR OF BLOCKED CRAWLERS ON 85.3m BOOM OR SIDE OF EXTENDED CRAWLERS ON 79.2m BOOM. WIRE ROPE GUIDE ASSEMBLY 179061 UPPER AND MIDDLE SHEAVES AND SHAFTS OR ASSEMBLY 92671 UPPER SHEAVE AND SHAFT MUST BE REMOVED ON 88.4m BOOM WHEN LIFTED OVER REAR 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) 85.3m	---	(a) 85.3m	---	76.2m	---	70.1m	---
82.3m	---	82.3m	---	73.2m	12.2m	67.1m	15.2m
79.2m	15.2m	79.2m	12.2m	70.1m	18.3m	64.0m	18.3m
76.2m	18.3m	76.2m	18.3m				

LOAD BLOCK, HOOK AND WEIGHT BALL ON GROUND AT START. (a) UPPER BOOM POINT CANNOT BE USED ON 85.3m BOOM.

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

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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		208 600*
		5.0	80.6	23.5		192 600*
		5.5	79.3	23.4		176 100*
		6.0	77.9	23.3		162 200*
		7.0	75.1	23.1		139 900*
		8.0	72.3	22.8		122 800*
		9.0	69.5	22.4		109 200*
		10.0	66.6	22.0		98 300*
		11.0	63.6	21.6		87 700
		12.0	60.6	21.0		77 200
		13.0	57.5	20.4		68 900
		14.0	54.2	19.8		62 000
		15.0	50.8	19.0		56 300
		16.0	47.3	18.1	44 300	51 400
		18.0	39.4	16.0	37 500	43 700
		20.0	30.0	13.1	32 500	37 800
2 4 4	8 0	5.2	81.4	26.6		186 000*
		5.5	80.6	26.5		175 800*
		6.0	79.4	26.4		161 900*
		7.0	77.0	26.2		139 600*
		8.0	74.6	26.0		122 500*
		9.0	72.1	25.7		108 900*
		10.0	69.7	25.3		98 000*
		11.0	67.1	24.9		87 700
		12.0	64.6	24.5		77 200
		13.0	61.9	24.0		68 800
		14.0	59.2	23.4		61 900
		15.0	56.5	22.8	48 100	56 200
		16.0	53.6	22.1	44 000	51 400
		18.0	47.5	20.4	37 400	43 600
		20.0	40.7	18.4	32 400	37 700
2 7 4	9 0	22.0	32.9	15.7	28 400	33 000
		24.0	22.8	11.9	25 000	29 100
		5.5	81.7	29.6		171 400*
		6.0	80.6	29.5		162 100*
		7.0	78.5	29.3		139 300*
		8.0	76.3	29.1		122 200*
		9.0	74.2	28.9		108 600*
		10.0	72.0	28.6		97 600*
		11.0	69.8	28.2		87 700
		12.0	67.5	27.8		77 100
		13.0	65.3	27.4		68 700
		14.0	62.9	26.9	52 600	61 800
		15.0	60.6	26.4	47 900	56 100
		16.0	58.1	25.8	43 800	51 200
3 0 5	1 0 0	18.0	53.1	24.4	37 300	43 500
		20.0	47.7	22.7	32 200	37 500
		22.0	41.7	20.7	28 200	32 800
		24.0	35.0	18.2	24 900	29 000
		26.0	26.8	14.8	22 100	25 900
		5.8	82.0	32.6		165 100*
		6.0	81.6	32.6		160 900*
		7.0	79.7	32.4		139 000*
		8.0	77.7	32.2		121 900*
		9.0	75.8	32.0		108 400*
		10.0	73.9	31.7		97 400*
		11.0	71.9	31.4		87 700
		12.0	69.9	31.1		77 100
		13.0	67.9	30.7	58 300	68 600
3 9 6	1 3 0	14.0	65.8	30.3	52 600	61 800
		15.0	63.8	29.8	47 800	56 000
		16.0	61.6	29.3	43 700	51 200
		18.0	57.3	28.1	37 200	43 400
		20.0	52.7	26.7	32 100	37 500
		22.0	47.8	25.0	28 100	32 700
		24.0	42.5	23.0	24 800	28 900
		26.0	36.6	20.6	22 100	25 800
		28.0	29.7	17.6	19 700	23 100
		30.0	20.9	13.3	17 700	20 800
		7.3	81.6	41.7		125 700*
		8.0	80.6	41.6		121 400*
		9.0	79.1	41.4		107 600*
		10.0	77.6	41.2		96 600*
		11.0	76.2	40.9	73 300	87 400
3 6 6	1 2 0	12.0	74.7	40.7	64 700	76 700
		13.0	73.2	40.4	57 800	68 300
		14.0	71.6	40.1	52 100	61 400
		15.0	70.1	39.7	47 300	55 600
		16.0	68.6	39.3	43 200	50 700
		18.0	65.4	38.5	36 700	42 900
		20.0	62.2	37.5	31 600	37 000
		22.0	58.9	36.4	27 600	32 300
		24.0	55.4	35.1	24 300	28 500
		26.0	51.9	33.6	21 600	25 400
		28.0	48.1	31.9	19 300	22 700
		30.0	44.1	30.0	17 300	20 400
		32.0	39.7	27.8	15 600	18 500
		34.0	35.0	25.2	14 100	16 800
3 3 5	1 1 0	36.0	29.5	22.0	12 800	15 300
		38.0	23.0	17.9	11 600	13 900
		6.7	81.1	35.6		142 600*
		7.0	80.6	35.5		137 800*
		8.0	78.9	35.4		121 600*
		9.0	77.1	35.1		108 000*
		10.0	75.4	34.9		97 000*
		11.0	73.6	34.6		87 500
		12.0	71.8	34.3		76 900
		13.0	70.0	34.0	58 100	68 400
		14.0	68.2	33.6	52 400	61 500
		15.0	66.3	33.2	47 600	55 800
		16.0	64.4	32.7	43 500	50 900
		18.0	60.6	31.7	36 900	43 200
3 9 6	1 3 0	20.0	56.6	30.4	31 900	37 200
		22.0	52.4	29.0	27 900	32 500
		24.0	47.9	27.3	24 500	28 700
		26.0	43.1	25.4	21 800	25 500
		28.0	37.8	23.0	19 500	22 900
		30.0	31.9	20.2	17 500	20 600
		32.0	24.6	16.4	15 800	18 600
		6.7	81.9	38.7		138 700*
		7.0	81.4	38.6		135 700*
		8.0	79.8	38.5		121 300*
		9.0	78.2	38.3		107 700*
		10.0	76.6	38.0		96 800*
		11.0	75.0	37.8		87 400
		12.0	73.4	37.5	64 800	76 700
3 6 6	1 2 0	13.0	71.7	37.2	57 900	68 300
		14.0	70.1	36.8	52 200	61 400
		15.0	68.4	36.5	47 400	55 600
		16.0	66.7	36.0	43 300	50 800
		18.0	63.2	35.1	36 800	43 000
		20.0	59.7	34.0	31 700	37 000
		22.0	56.0	32.8	27 700	32 300
		24.0	52.1	31.3	24 400	28 500
		26.0	48.0	29.6	21 700	25 400
		28.0	43.6	27.7	19 400	22 700
		30.0	38.9	25.4	17 400	20 500
		32.0	33.6	22.7	15 700	18 500
		34.0	27.4	19.3	14 200	16 800
		36.0	19.5	14.7	12 800	15 300

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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	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		118 000*	4 8 · 8	1 6 0	28.0	57.1	43.4	18 600	22 000
		8.0	81.3	44.6		117 400*			30.0	54.3	42.1	16 600	19 800
		9.0	79.9	44.5		107 600*			32.0	51.3	40.5	14 900	17 800
		10.0	78.5	44.3		96 300*			34.0	48.2	38.8	13 500	16 100
		11.0	77.2	44.1	73 100	87 200			36.0	45.0	37.0	12 100	14 600
		12.0	75.8	43.8	64 500	76 600			38.0	41.6	34.8	10 900	13 300
		13.0	74.4	43.6	57 600	68 100			40.0	37.9	32.4	9 900	12 100
		14.0	73.0	43.3	51 900	61 200			42.0	33.9	29.7	8 900	11 000
		15.0	71.6	42.9	47 200	55 400			44.0	29.4	26.4	8 100	10 100
		16.0	70.2	42.6	43 100	50 500			46.0	24.2	22.5	7 300	9 200
		18.0	67.3	41.8	36 500	42 700			9.1	81.5	53.7	94 400*	94 400*
		20.0	64.3	40.9	31 500	36 800			10.0	80.6	53.6	83 500	92 000*
		22.0	61.3	39.9	27 400	32 100			11.0	79.5	53.4	72 500	86 300
		24.0	58.2	38.7	24 100	28 300			12.0	78.3	53.2	64 000	76 100
		26.0	55.0	37.4	21 400	25 100			13.0	77.2	53.0	57 100	67 600
		28.0	51.7	35.9	19 100	22 500			14.0	76.1	52.8	51 400	60 600
		30.0	48.1	34.2	17 100	20 200			15.0	74.9	52.5	46 600	54 900
		32.0	44.4	32.3	15 400	18 300			16.0	73.8	52.2	42 500	49 900
		34.0	40.4	30.1	14 000	16 600			18.0	71.5	51.6	35 900	42 200
		36.0	36.1	27.6	12 600	15 100			20.0	69.1	50.9	30 800	36 200
4 5 · 7	1 5 0	38.0	31.3	24.6	11 400	13 800	5 1 · 8	1 7 0	22.0	66.7	50.1	26 800	31 500
		40.0	25.6	20.9	10 400	12 600			24.0	64.3	49.1	23 500	27 700
		42.0	18.5	16.0	9 400	11 500			26.0	61.8	48.1	20 700	24 500
									28.0	59.3	47.0	18 400	21 900
									30.0	56.7	45.7	16 500	19 600
									32.0	54.0	44.4	14 800	17 600
									34.0	51.2	42.8	13 300	15 900
									36.0	48.3	41.1	12 000	14 500
									38.0	45.3	39.3	10 800	13 100
									40.0	42.1	37.2	9 800	11 900
									42.0	38.6	34.8	8 800	10 900
									44.0	34.9	32.1	8 000	9 900
									46.0	30.9	29.0	7 200	9 000
									48.0	26.2	25.4	6 500	8 200
									50.0	20.7	20.8	5 800	7 500
									9.1	82.0	56.8	89 600*	89 600*
									10.0	81.1	56.7	83 800	87 400*
									11.0	80.1	56.5	72 300	84 800
									12.0	79.0	56.3	63 800	76 100
									13.0	77.9	56.1	56 800	67 400
4 8 · 8	1 6 0						5 4 · 9	1 8 0	14.0	76.9	55.9	51 100	60 500
									15.0	75.8	55.6	46 300	54 700
									16.0	74.7	55.4	42 200	49 800
									18.0	72.5	54.8	35 600	41 900
									20.0	70.3	54.1	30 600	36 000
									22.0	68.1	53.4	26 500	31 200
									24.0	65.8	52.5	23 200	27 400
									26.0	63.5	51.6	20 500	24 300
									28.0	61.1	50.5	18 200	21 600
									30.0	58.7	49.4	16 200	19 400
									32.0	56.3	48.1	14 600	17 400
									34.0	53.7	46.7	13 000	15 700
									36.0	51.1	45.1	11 700	14 200
									38.0	48.3	43.4	10 600	12 900
									40.0	45.5	41.6	9 600	11 700
									42.0	42.5	39.5	8 600	10 700
									44.0	39.3	37.2	7 700	9 700
									46.0	35.8	34.6	7 000	8 800
									48.0	32.1	31.6	6 300	8 000
									50.0	27.9	28.2	5 600	7 300
									52.0	23.1	24.0	5 000	6 600

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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	82 100*	82 100*
		10.0	81.6	59.7	80 700	81 500*
		11.0	80.6	59.6	72 200	79 400*
		12.0	79.6	59.4	63 600	75 600
		13.0	78.6	59.2	56 600	67 200
		14.0	77.6	59.0	50 900	60 300
		15.0	76.5	58.8	46 100	54 400
		16.0	75.5	58.5	42 000	49 500
		18.0	73.5	58.0	35 400	41 700
		20.0	71.4	57.3	30 300	35 700
		22.0	69.3	56.6	26 300	31 000
		24.0	67.2	55.8	23 000	27 200
		26.0	65.0	54.9	20 200	24 000
		28.0	62.8	54.0	17 900	21 400
		30.0	60.5	52.9	16 000	19 100
		32.0	58.2	51.7	14 300	17 100
		34.0	55.9	50.4	12 800	15 400
		36.0	53.5	49.0	11 500	14 000
		38.0	51.0	47.4	10 300	12 600
		40.0	48.4	45.7	9 200	11 400
		42.0	45.7	43.9	8 300	10 400
		44.0	42.8	41.8	7 500	9 400
		46.0	39.8	39.5	6 700	8 500
		48.0	36.6	37.0	6 000	7 700
		50.0	33.2	34.1	5 300	7 000
6 1 0	2 0 0	52.0	29.4	30.8	4 700	6 300
		54.0	25.0	27.0	4 200	5 700
		56.0	19.8	22.1	3 600	5 100
		10.4	81.7	62.8	76 200*	76 200*
		11.0	81.1	62.7	72 000	74 900*
		12.0	80.1	62.5	63 400	73 000*
		13.0	79.1	62.3	56 400	67 100
		14.0	78.2	62.1	50 700	60 000
		15.0	77.2	61.9	45 900	54 200
		16.0	76.3	61.7	41 700	49 300
		18.0	74.3	61.2	35 200	41 500
		20.0	72.4	60.6	30 100	35 500
		22.0	70.4	59.9	26 000	30 800
		24.0	68.4	59.1	22 700	26 900
		26.0	66.3	58.3	20 000	23 800
		28.0	64.3	57.4	17 700	21 100
		30.0	62.2	56.4	15 700	18 900
		32.0	60.0	55.3	14 000	16 900
		34.0	57.8	54.0	12 500	15 200
		36.0	55.6	52.7	11 200	13 700
		38.0	53.2	51.3	10 000	12 400
		40.0	50.9	49.7	9 000	11 200
		42.0	48.4	48.0	8 000	10 100
		44.0	45.8	46.2	7 200	9 200
		46.0	43.1	44.1	6 400	8 300
		48.0	40.3	41.9	5 700	7 500
		50.0	37.3	39.4	5 100	6 800
		52.0	34.1	36.6	4 500	6 100
6 4 0	2 1 0	54.0	30.6	33.5	3 900	5 500
		56.0	26.7	29.8	3 400	4 900
		58.0	22.1	25.4	2 900	4 400
		11.0	81.5	65.8	71 200*	71 200*
		12.0	80.6	65.6	63 300	69 500*
		13.0	79.7	65.4	56 200	67 000
		14.0	78.8	65.2	50 500	59 900
		15.0	77.8	65.0	45 700	54 100
		16.0	76.9	64.8	41 600	49 100
		18.0	75.1	64.3	35 000	41 300
		20.0	73.2	63.7	29 900	35 300
		22.0	71.3	63.1	25 800	30 600
		24.0	69.4	62.4	22 600	26 800
		26.0	67.5	61.6	19 800	23 600
		28.0	65.6	60.7	17 500	21 000
		30.0	63.6	59.8	15 500	18 700
		32.0	61.6	58.7	13 800	16 700
		34.0	59.5	57.6	12 400	15 000
		36.0	57.4	56.4	11 000	13 600
		38.0	55.3	55.1	9 900	12 200

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	40.0	53.1	53.6	8 800	11 000
		42.0	50.8	52.0	7 900	9 900
		44.0	48.4	50.3	7 000	9 000
		46.0	46.0	48.5	6 200	8 100
		48.0	43.4	46.5	5 500	7 300
		50.0	40.8	44.3	4 900	6 600
		52.0	37.9	41.8	4 300	5 900
		54.0	34.9	39.1	3 800	5 300
		56.0	31.7	36.1	3 300	4 700
		58.0	28.1	32.6	2 800	4 200
		60.0	24.0	28.5	2 300	3 700
		62.0	19.1	23.4	1 900	3 200
6 7 1	2 2 0	11.0	81.9	68.8	67 400*	67 400*
		12.0	81.0	68.7	63 400	65 800*
		13.0	80.1	68.5	56 000	64 300
		14.0	79.3	68.3	50 000	59 700
		15.0	78.4	68.1	45 500	53 900
		16.0	77.5	67.9	41 300	48 900
		18.0	75.8	67.5	34 700	41 100
		20.0	74.0	66.9	29 600	35 100
		22.0	72.2	66.3	25 600	30 300
		24.0	70.4	65.6	22 300	26 500
		26.0	68.6	64.9	19 600	23 400
		28.0	66.7	64.1	17 200	20 700
7 0 1	2 3 0	30.0	64.9	63.2	15 300	18 500
		32.0	63.0	62.2	13 600	16 500
		34.0	61.0	61.1	12 100	14 800
		36.0	59.1	60.0	10 800	13 300
		38.0	57.0	58.7	9 600	11 900
		40.0	55.0	57.4	8 600	10 800
		42.0	52.9	55.9	7 600	9 700
		44.0	50.7	54.3	6 800	8 700
		46.0	48.5	52.6	6 000	7 900
		48.0	46.1	50.8	5 300	7 100
		50.0	43.7	48.8	4 700	6 400
		52.0	41.2	46.6	4 100	5 700
		54.0	38.5	44.2	3 500	5 100
		56.0	35.7	41.6	3 000	4 500
		58.0	32.6	38.6	2 500	4 000
		60.0	29.3	35.3	2 100	3 400
		62.0	25.6	31.4	3 000	3 000
		64.0	21.3	26.8	2 500	2 500
7 0 1	2 3 0	11.6	81.8	71.8	61 200*	61 200*
		12.0	81.4	71.8	60 900*	60 900*
		13.0	80.6	71.6	55 900	59 700*
		14.0	79.7	71.4	50 100	58 400*
		15.0	78.9	71.3	45 200	53 800
		16.0	78.1	71.1	41 100	48 700
		18.0	76.4	70.6	34 500	40 800
		20.0	74.7	70.1	29 400	34 900
		22.0	73.0	69.5	25 300	30 100
		24.0	71.3	68.9	22 100	26 300
		26.0	69.6	68.2	19 300	23 100
		28.0	67.8	67.4	17 000	20 400
		30.0	66.0	66.5	15 000	18 200
		32.0	64.2	65.6	13 300	16 200
		34.0	62.4	64.6	11 800	14 500
		36.0	60.5	63.5	10 500	13 000
		38.0	58.6	62.3	9 300	11 700
		40.0	56.7	61.1	8 300	10 500
		42.0	54.7	59.7	7 400	9 400
		44.0	52.7	58.2	6 500	8 500
		46.0	50.6	56.6	5 700	7 600
		48.0	48.5	54.9	5 000	6 800
		50.0	46.3	53.1	4 400	6 100
		52.0	43.9	51.1	3 800	5 400
		54.0	41.5	48.9	3 200	4 800
		56.0	39.0	46.6	2 700	4 200
		58.0	36.3	44.0	2 200	3 700
		60.0	33.5	41.1	3 200	3 200
		62.0	30.4	37.9	2 700	2 700
		64.0	27.0	34.3	2 300	2 300

MANITOWOC ENGINEERING CO.

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



LIFT CRANE BOOM CAPACITIES

BRITISH
STANDARDS

888 SERIES 2

BOOM NO. 22E WITH OPEN THROAT TOP

81 240 kg CRANE COUNTERWEIGHT

19 960 kg CARBODY 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	55 500*	55 500*
		13.0	81.0	74.7	54 800	55 300*
		14.0	80.2	74.5	49 900	55 000*
		15.0	79.4	74.4	45 000	53 300
		16.0	78.6	74.2	40 900	49 000
		18.0	77.0	73.7	34 300	40 600
		20.0	75.4	73.2	29 200	34 600
		22.0	73.7	72.7	25 100	29 900
		24.0	72.1	72.1	21 800	26 100
		26.0	70.5	71.4	19 100	22 900
		28.0	68.8	70.7	16 700	20 200
		30.0	67.1	69.8	14 800	17 900
		32.0	65.4	69.0	13 100	16 000
		34.0	63.6	68.0	11 600	14 300
		36.0	61.9	67.0	10 300	12 800
		38.0	60.1	65.9	9 100	11 400
		40.0	58.3	64.7	8 100	10 300
		42.0	56.4	63.4	7 100	9 200
		44.0	54.5	62.0	6 300	8 300
		46.0	52.6	60.5	5 500	7 400
		48.0	50.6	59.0	4 800	6 600
		50.0	48.5	57.2	4 200	5 900
		52.0	46.4	55.4	3 600	5 200
		54.0	44.2	53.4	3 000	4 600
		56.0	41.9	51.3	2 500	4 000
7 6 2	2 5 0	58.0	39.5	49.0		3 500
		60.0	36.9	46.4		2 900
		62.0	34.2	43.6		2 500
		64.0	31.3	40.5		2 000
		12.2	82.0	77.9	50 300*	50 300*
		13.0	81.3	77.8	50 000*	50 000*
		14.0	80.6	77.6	49 600	49 800*
		15.0	79.8	77.5	44 800	49 500*
		16.0	79.0	77.3	40 700	47 900
		18.0	77.5	76.9	34 100	40 700
		20.0	76.0	76.4	29 000	34 500
		22.0	74.4	75.9	24 900	29 700
		24.0	72.8	75.3	21 600	25 900
		26.0	71.3	74.6	18 900	22 700
		28.0	69.7	73.9	16 600	20 000
		30.0	68.1	73.1	14 600	17 700
		32.0	66.4	72.3	12 900	15 800
		34.0	64.8	71.4	11 400	14 100
		36.0	63.1	70.4	10 100	12 600
		38.0	61.4	69.4	8 900	11 300
		40.0	59.7	68.2	7 800	10 100
		42.0	57.9	67.0	6 900	9 000
		44.0	56.1	65.7	6 100	8 000
		46.0	54.3	64.3	5 300	7 200
7 9 2	2 6 0	48.0	52.4	62.8	4 600	6 400
		50.0	50.5	61.3	3 900	5 600
		52.0	48.5	59.5	3 300	5 000
		54.0	46.5	57.7	2 800	4 300
		56.0	44.4	55.7	2 300	3 800
		58.0	42.2	53.6		3 200
		60.0	39.9	51.3		2 800
		62.0	37.5	48.8		2 300
		64.0	34.9	46.1		1 900
		12.8	81.8	80.9	45 800*	45 800*
		13.0	81.7	80.9	45 700*	45 700*
		14.0	80.9	80.7	45 400*	45 400*
		15.0	80.2	80.6	44 400	45 200*
		16.0	79.5	80.4	40 900	44 900*
		18.0	78.0	80.0	33 800	40 700
		20.0	76.5	79.5	28 700	34 200
		22.0	75.0	79.0	24 700	29 500
		24.0	73.5	78.5	21 400	25 600
		26.0	72.0	77.8	18 600	22 500
		28.0	70.5	77.2	16 300	19 800
		30.0	68.9	76.4	14 300	17 500
		32.0	67.4	75.6	12 600	15 600
		34.0	65.8	74.7	11 100	13 800
8 2 3	2 7 0	36.0	64.2	73.8	9 800	12 300
		38.0	62.6	72.8	8 600	11 000
		40.0	61.0	71.7	7 600	9 800
		42.0	59.3	70.6	6 600	8 800
		44.0	57.6	69.4	5 800	7 800
		46.0	55.9	68.1	5 000	6 900
		48.0	54.1	66.6	4 300	6 100
		50.0	52.3	65.2	3 700	5 400
		52.0	50.4	63.6	3 100	4 700
		54.0	48.5	61.8	2 500	4 100
		56.0	46.6	60.0	2 000	3 500
		58.0	44.5	58.1		3 000
		60.0	42.4	55.9		2 500
		62.0	40.3	53.7		2 000
		13.4	81.7	83.9	41 600*	41 600*
		14.0	81.3	83.8	41 500*	41 500*
		15.0	80.6	83.6	41 200*	41 200*
		16.0	79.9	83.5	39 900	40 900*
		18.0	78.5	83.1	33 800	39 500
		20.0	77.0	82.7	28 500	34 000
		22.0	75.6	82.2	24 400	29 200
		24.0	74.2	81.6	21 100	25 400
		26.0	72.7	81.0	18 300	22 200
		28.0	71.2	80.4	16 000	19 500
		30.0	69.8	79.7	14 000	17 200
		32.0	68.3	78.9	12 300	15 300
		34.0	66.8	78.1	10 800	13 500
		36.0	65.2	77.2	9 500	12 100
		38.0	63.7	76.2	8 300	10 700
8 5 3	2 8 0	40.0	62.1	75.2	7 300	9 500
		42.0	60.5	74.1	6 400	8 400
		44.0	58.9	72.9	5 500	7 500
		46.0	57.3	71.7	4 700	6 600
		48.0	55.6	70.4	4 000	5 800
		50.0	53.9	69.0	3 400	5 100
		52.0	52.2	67.5	2 800	4 400
		54.0	50.4	65.9	2 200	3 800
		56.0	48.6	64.1		3 200
		58.0	46.7	62.3		2 700
		60.0	44.7	60.4		2 200
		13.4	82.0	87.0	37 700*	37 700*
		14.0	81.6	86.9	37 600*	37 600*
		15.0	80.9	86.7	37 300*	37 300*
		16.0	80.2	86.6	37 100*	37 100*
		18.0	78.9	86.2	33 700	36 500*
		20.0	77.5	85.8	28 200	33 900
		22.0	76.1	85.3	24 100	29 000
		24.0	74.7	84.8	20 800	25 100
		26.0	73.3	84.2	18 100	21 900
		28.0	71.9	83.6	15 800	19 200
		30.0	70.5	82.9	13 800	17 000
		32.0	69.1	82.2	12 100	15 000
		34.0	67.6	81.4	10 600	13 300
		36.0	66.2	80.5	9 200	11 800
		38.0	64.7	79.6	8 100	10 400
		40.0	63.2	78.6	7 000	9 300
		42.0	61.7	77.6	6 100	8 200
		44.0	60.2	76.5	5 200	7 300
		46.0	58.6	75.3	4 500	6 400
		48.0	57.0	74.0	3 800	5 500
7 9 2	2 6 0	50.0	55.4	72.7	3 100	4 800
		52.0	53.7	71.3	2 500	4 200
		54.0	52.1	69.8	2 000	3 600
		56.0	50.3	68.2		3 000
		58.0	48.6	66.4		2 400

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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
8 8 - 4	2 9 0	14.0	81.9	90.0	34 400*	34 400*
		15.0	81.2	89.8	34 200*	34 200*
		16.0	80.6	89.7	33 900*	33 900*
		18.0	79.3	89.3	32 700	33 400*
		20.0	77.9	88.9	28 000	32 800
		22.0	76.6	88.4	24 000	28 900
		24.0	75.3	87.9	20 600	24 900
		26.0	73.9	87.4	17 900	21 700
		28.0	72.6	86.8	15 600	19 000
		30.0	71.2	86.1	13 600	16 700
		32.0	69.8	85.4	11 800	14 800
		34.0	68.4	84.7	10 400	13 100
		36.0	67.0	83.9	9 100	11 500
		38.0	65.6	83.0	7 900	10 200
		40.0	64.2	82.0	6 800	9 000
		42.0	62.7	81.0	5 900	8 000
		44.0	61.3	80.0	5 000	7 000
		46.0	59.8	78.8	4 200	6 100
		48.0	58.3	77.6	3 600	5 300
		50.0	56.7	76.4	2 900	4 600
		52.0	55.2	75.0	2 300	3 900
		54.0	53.6	73.6		3 300
		56.0	52.0	72.1		2 700
		58.0	50.3	70.5		2 200