



LIFTCRANE BOOM CAPACITIES

888 SERIES 2

**BOOM NO. 22E WITH OPEN THROAT TOP
 81 240 kg CRANE COUNTERWEIGHT
 19 960 kg CARBODY COUNTERWEIGHT
 8 585 mm CRAWLERS EXTENDED
 CRAWLER MACHINE ON A BARGE
 0 DEGREE THRU 3 DEGREE MACHINE LIST
 NO TRAVEL - 360 DEGREE RATING**

CAPACITIES ARE FOR A CRAWLER MACHINE WHEN OPERATING ON A BARGE. MACHINE SHALL BE POSITIVELY SECURED TO PREVENT SHIFTING. CAPACITIES FOR VARIOUS BOOM LENGTHS AND OPERATING RADII ARE FOR FREELY SUSPENDED LOADS AND DO NOT EXCEED 75% OF A STATIC TIPPING LOAD. CAPACITIES BASED ON STRUCTURAL COMPETENCE ARE DENOTED BY AN ASTERISK (*).

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 ALL LOAD BLOCKS, HOOKS, WEIGHT BALL, SLINGS, HOIST LINES, ETC., BENEATH BOOM 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 ON A FIRM UNIFORMLY SUPPORTING SURFACE WITH CRAWLERS FULLY EXTENDED, GANTRY UP AND MACHINE LIST NOT TO EXCEED DEGREES NOTED. REFER TO BOOM RIGGING NO. 176519 AND WIRE ROPE SPECIFICATION CHART NO. 7773-A. CRANE OPERATOR JUDGMENT MUST BE USED TO ALLOW FOR DYNAMIC LOAD EFFECTS OF SWINGING, HOISTING OR LOWERING, WIND CONDITIONS, AS WELL AS ADVERSE OPERATING CONDITIONS AND PHYSICAL MACHINE DEPRECIATION. REFER TO OPERATORS MANUAL FOR OPERATING GUIDELINES.

OPERATING RADIUS IS HORIZONTAL DISTANCE FROM AXIS OF ROTATION AT BARGE DECK 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 BARGE DECK 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 LIVE MAST, 20 PART BOOM HOIST REEVING, FOUR 35 mm BOOM PENDANTS, 81 240 kg CRANE COUNTERWEIGHT, AND 19 960 kg CARBODY COUNTERWEIGHT.

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

MAXIMUM BOOM LENGTH LIFTED UNASSISTED WITHOUT AUXILIARY DRUM IN BOOM BUTT			
LIST	OVER FRONT OF BLOCKED CRAWLERS	OVER REAR OF BLOCKED CRAWLERS	OVER SIDE OF EXTENDED CRAWLERS
	BOOM LENGTH	BOOM LENGTH	BOOM LENGTH
0 DEGREE	79.2m	79.2m	(a) 79.2m
1 DEGREE	76.2m	76.2m	76.2m
2 DEGREE	76.2m	76.2m	76.2m
3 DEGREE	76.2m	76.2m	76.2m
LOAD BLOCK, HOOK AND WEIGHT BALL ON BARGE AT START. JIB IS NOT TO BE USED ON CRAWLER MACHINE WHILE OPERATING ON A BARGE. (a) UPPER BOOM POINT CANNOT BE LIFTED OVER SIDE OF EXTENDED CRAWLERS ON 79.2m BOOM.			

MAXIMUM BOOM LENGTH LIFTED UNASSISTED WITH AUXILIARY DRUM IN BOOM BUTT			
LIST	OVER FRONT OF BLOCKED CRAWLERS	OVER REAR OF BLOCKED CRAWLERS	OVER SIDE OF EXTENDED CRAWLERS
	BOOM LENGTH	BOOM LENGTH	BOOM LENGTH
0 DEGREE	79.2m	79.2m	76.2m
1 DEGREE	76.2m	76.2m	76.2m
2 DEGREE	76.2m	76.2m	76.2m
3 DEGREE	76.2m	76.2m	76.2m
LOAD BLOCK, HOOK AND WEIGHT BALL ON BARGE AT START. JIB IS NOT TO BE USED ON CRAWLER MACHINE WHILE OPERATING ON A BARGE.			

MANITOWOC ENGINEERING CO.

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



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NO TRAVEL - 360 DEGREE RATING

BOOM LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	0 DEGREE LIST BOOM CAPACITY KI LOGRAMS	1 DEGREE LIST BOOM CAPACITY KI LOGRAMS	2 DEGREE LIST BOOM CAPACITY KI LOGRAMS	3 DEGREE LIST BOOM CAPACITY KI LOGRAMS	OPER. RADIUS METERS		
2 1 · 3	7 0	4.6	81.8	23.6	208 600*				4.6		
		5.0	80.6	23.5	192 600*				5.0		
		5.5	79.3	23.4	176 100*				5.5		
		6.0	77.9	23.3	162 200*	150 400*			6.0		
		7.0	75.1	23.1	139 900*	131 200*			7.0		
		8.0	72.3	22.8	122 800*	115 900*	107 000*		8.0		
		9.0	69.5	22.4	109 200*	103 300	97 200		9.0		
		10.0	66.6	22.0	95 500	89 200	83 800	78 500*	10.0		
		11.0	63.6	21.6	82 700	78 000	73 700	69 900	11.0		
		12.0	60.6	21.0	72 800	69 100	65 700	62 500	12.0		
		13.0	57.5	20.4	65 000	62 000	59 200	56 600	13.0		
		14.0	54.2	19.8	58 500	56 100	53 800	51 600	14.0		
		15.0	50.8	19.0	53 200	51 100	49 200	47 400	15.0		
		16.0	47.3	18.1	48 600	46 900	45 300	43 700	16.0		
		18.0	39.4	16.0	41 400	40 100	39 000	37 800	18.0		
		20.0	30.0	13.1	35 900	34 900	34 100	33 300	20.0		
		2 4 · 4	8 0	5.2	81.4	26.6	186 000*				5.2
				5.5	80.6	26.5	175 800*				5.5
				6.0	79.4	26.4	161 900*	147 400*			6.0
				7.0	77.0	26.2	139 600*	130 000*			7.0
8.0	74.6			26.0	122 500*	114 900*	103 900*		8.0		
9.0	72.1			25.7	108 900*	102 400	95 800		9.0		
10.0	69.7			25.3	95 600	88 500	82 500	77 900	10.0		
11.0	67.1			24.9	82 700	77 400	72 600	68 400	11.0		
12.0	64.6			24.5	72 800	68 600	64 800	61 300	12.0		
13.0	61.9			24.0	64 900	61 600	58 400	55 500	13.0		
14.0	59.2			23.4	58 500	55 700	53 100	50 700	14.0		
15.0	56.5			22.8	53 100	50 800	48 600	46 500	15.0		
16.0	53.6			22.1	48 600	46 600	44 700	42 900	16.0		
18.0	47.5			20.4	41 300	39 900	38 500	37 100	18.0		
20.0	40.7	18.4	35 800	34 700	33 600	32 600	20.0				
22.0	32.9	15.7	31 400	30 600	29 800	29 000	22.0				
24.0	22.8	11.9	27 800	27 200	26 600	26 000	24.0				
2 7 · 4	9 0	5.5	81.7	29.6	171 400*				5.5		
		6.0	80.6	29.5	162 100*				6.0		
		7.0	78.5	29.3	139 300*	129 000*	110 100*		7.0		
		8.0	76.3	29.1	122 200*	113 800*	106 700*		8.0		
		9.0	74.2	28.9	108 600*	101 500	93 800	84 700	9.0		
		10.0	72.0	28.5	95 500	87 700	81 200	75 400	10.0		
		11.0	69.8	28.2	82 600	76 800	71 600	67 000	11.0		
		12.0	67.5	27.8	72 700	68 100	63 900	60 100	12.0		
		13.0	65.3	27.4	64 900	61 100	57 600	54 500	13.0		
		14.0	62.9	26.9	58 400	55 300	52 400	49 700	14.0		
		15.0	60.6	26.4	53 000	50 400	48 000	45 700	15.0		
		16.0	58.1	25.8	48 500	46 200	44 100	42 200	16.0		
		18.0	53.1	24.4	41 200	39 500	38 000	36 500	18.0		
		20.0	47.7	22.7	35 700	34 400	33 200	32 000	20.0		
22.0	41.7	20.7	31 300	30 300	29 300	28 400	22.0				
24.0	35.0	18.2	27 700	26 900	26 200	25 500	24.0				
26.0	26.8	14.8	24 700	24 100	23 600	23 000	26.0				

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NO TRAVEL - 360 DEGREE RATING

BOOM LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	0 DEGREE LIST BOOM CAPACITY KI LOGRAMS	1 DEGREE LIST BOOM CAPACITY KI LOGRAMS	2 DEGREE LIST BOOM CAPACITY KI LOGRAMS	3 DEGREE LIST BOOM CAPACITY KI LOGRAMS	OPER. RADIUS METERS
30.5	100	5.8	82.0	32.6	165 100*				5.8
		6.0	81.6	32.6	160 900*				6.0
		7.0	79.7	32.4	139 000*	127 800*			7.0
		8.0	77.7	32.2	121 900*	112 900*	104 900	82 900*	8.0
		9.0	75.8	32.0	108 400*	100 700	92 300	82 600	9.0
		10.0	73.9	31.7	95 600	87 100	80 000	73 800	10.0
		11.0	71.9	31.4	82 600	76 200	70 600	65 700	11.0
		12.0	69.9	31.1	72 700	67 600	63 100	59 000	12.0
		13.0	67.9	30.7	64 800	60 700	56 900	53 500	13.0
		14.0	65.8	30.3	58 400	54 900	51 800	48 900	14.0
		15.0	63.8	29.8	53 000	50 100	47 400	44 900	15.0
		16.0	61.6	29.3	48 400	45 900	43 600	41 500	16.0
		18.0	57.3	28.1	41 200	39 300	37 500	35 900	18.0
		20.0	52.7	26.7	35 600	34 200	32 800	31 500	20.0
		22.0	47.8	25.0	31 200	30 100	29 000	28 000	22.0
		24.0	42.5	23.0	27 600	26 700	25 900	25 000	24.0
26.0	36.6	20.6	24 700	24 000	23 200	22 600	26.0		
28.0	29.7	17.6	22 200	21 600	21 000	20 500	28.0		
30.0	20.9	13.3	20 000	19 600	19 200	18 800	30.0		
33.5	110	6.7	81.1	35.6	142 600*				6.7
		7.0	80.6	35.5	137 800*				7.0
		8.0	78.9	35.4	121 600*	112 100*	98 200*	79 600*	8.0
		9.0	77.1	35.1	108 000*	99 700	91 000	79 600*	9.0
		10.0	75.4	34.9	95 600	86 300	78 700	72 300	10.0
		11.0	73.6	34.6	82 500	75 600	69 600	64 300	11.0
		12.0	71.8	34.3	72 600	67 100	62 200	57 800	12.0
		13.0	70.0	34.0	64 700	60 200	56 100	52 500	13.0
		14.0	68.2	33.6	58 200	54 500	51 100	48 000	14.0
		15.0	66.3	33.2	52 900	49 700	46 700	44 100	15.0
		16.0	64.4	32.7	48 300	45 500	43 000	40 800	16.0
		18.0	60.6	31.7	41 000	38 900	37 000	35 200	18.0
		20.0	56.6	30.4	35 400	33 900	32 300	30 900	20.0
		22.0	52.4	29.0	31 000	29 800	28 500	27 400	22.0
		24.0	47.9	27.3	27 400	26 400	25 500	24 500	24.0
		26.0	43.1	25.4	24 500	23 700	22 900	22 100	26.0
28.0	37.8	23.0	22 000	21 300	20 700	20 000	28.0		
30.0	31.9	20.2	19 900	19 400	18 800	18 300	30.0		
32.0	24.6	16.4	18 100	17 600	17 100	16 700	32.0		
36.6	120	6.7	81.9	38.7	138 700*				6.7
		7.0	81.4	38.6	135 700*				7.0
		8.0	79.8	38.5	121 300*	109 700*	95 300*		8.0
		9.0	78.2	38.3	107 700*	98 900	89 000	76 500*	9.0
		10.0	76.6	38.0	95 500	85 500	77 500	70 900	10.0
		11.0	75.0	37.8	82 400	74 900	68 500	63 000	11.0
		12.0	73.4	37.5	72 500	66 500	61 300	56 700	12.0
		13.0	71.7	37.2	64 600	59 700	55 400	51 500	13.0
		14.0	70.1	36.8	58 100	54 000	50 400	47 100	14.0
		15.0	68.4	36.5	52 700	49 300	46 200	43 300	15.0
		16.0	66.7	36.0	48 200	45 200	42 500	40 000	16.0
		18.0	63.2	35.1	40 800	38 600	36 500	34 700	18.0
		20.0	59.7	34.0	35 300	33 500	31 900	30 400	20.0
		22.0	56.0	32.8	30 900	29 500	28 200	26 900	22.0
		24.0	52.1	31.3	27 300	26 200	25 100	24 100	24.0
		26.0	48.0	29.6	24 400	23 500	22 600	21 700	26.0
28.0	43.6	27.7	21 900	21 100	20 400	19 700	28.0		
30.0	38.9	25.4	19 800	19 100	18 500	17 900	30.0		
32.0	33.6	22.7	17 900	17 400	16 900	16 400	32.0		
34.0	27.4	19.3	16 300	15 900	15 500	15 100	34.0		
36.0	19.5	14.7	14 900	14 600	14 200	13 900	36.0		

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BOOM LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	0 DEGREE LIST BOOM CAPACITY KI LOGRAMS	1 DEGREE LIST BOOM CAPACITY KI LOGRAMS	2 DEGREE LIST BOOM CAPACITY KI LOGRAMS	3 DEGREE LIST BOOM CAPACITY KI LOGRAMS	OPER. RADIUS METERS
39.6	130	7.3	81.6	41.7	125 700*				7.3
		8.0	80.6	41.6	121 400*	99 900*			8.0
		9.0	79.1	41.4	107 600*	96 700*	82 500*		9.0
		10.0	77.6	41.2	95 600	84 900	76 800	69 400	10.0
		11.0	76.2	40.9	82 400	74 400	67 600	61 800	11.0
		12.0	74.7	40.7	72 500	66 100	60 600	55 800	12.0
		13.0	73.2	40.4	64 500	59 300	54 700	50 700	13.0
		14.0	71.6	40.1	58 100	53 700	49 800	46 400	14.0
		15.0	70.1	39.7	52 700	49 000	45 700	42 700	15.0
		16.0	68.6	39.3	48 100	45 000	42 100	39 500	16.0
		18.0	65.4	38.5	40 800	38 400	36 200	34 200	18.0
		20.0	62.2	37.5	35 300	33 400	31 600	30 000	20.0
		22.0	58.9	36.4	30 800	29 300	27 900	26 600	22.0
		24.0	55.4	35.1	27 300	26 000	24 900	23 800	24.0
		26.0	51.9	33.6	24 300	23 300	22 300	21 400	26.0
		28.0	48.1	31.9	21 800	21 000	20 200	19 400	28.0
		30.0	44.1	30.0	19 700	19 000	18 300	17 700	30.0
		32.0	39.7	27.8	17 900	17 300	16 700	16 100	32.0
		34.0	35.0	25.2	16 300	15 800	15 300	14 800	34.0
		36.0	29.5	22.0	14 900	14 500	14 100	13 600	36.0
38.0	23.0	17.9	13 600	13 300	12 900	12 600	38.0		
42.7	140	7.9	81.4	44.6	118 000*				7.9
		8.0	81.3	44.6	117 400*				8.0
		9.0	79.9	44.5	107 600*	92 900*			9.0
		10.0	78.5	44.3	95 400	84 400	75 800	65 700	10.0
		11.0	77.2	44.1	82 200	73 800	66 600	60 600	11.0
		12.0	75.8	43.8	72 300	65 500	59 700	54 700	12.0
		13.0	74.4	43.6	64 400	58 800	54 000	49 700	13.0
		14.0	73.0	43.3	57 900	53 300	49 200	45 600	14.0
		15.0	71.6	42.9	52 500	48 600	45 100	42 000	15.0
		16.0	70.2	42.6	48 000	44 600	41 500	38 800	16.0
		18.0	67.3	41.8	40 700	38 100	35 800	33 600	18.0
		20.0	64.3	40.9	35 100	33 100	31 200	29 500	20.0
		22.0	61.3	39.9	30 700	29 000	27 600	26 200	22.0
		24.0	58.2	38.7	27 100	25 800	24 600	23 400	24.0
		26.0	55.0	37.4	24 200	23 100	22 000	21 000	26.0
		28.0	51.7	35.9	21 700	20 800	19 900	19 100	28.0
		30.0	48.1	34.2	19 600	18 800	18 000	17 300	30.0
		32.0	44.4	32.3	17 700	17 100	16 500	15 800	32.0
		34.0	40.4	30.1	16 200	15 600	15 100	14 500	34.0
		36.0	36.1	27.6	14 800	14 300	13 800	13 300	36.0
38.0	31.3	24.6	13 500	13 100	12 700	12 300	38.0		
40.0	25.6	20.9	12 400	12 100	11 700	11 400	40.0		
42.0	18.5	16.0	11 400	11 100	10 800	10 500	42.0		

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BOOM LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	0 DEGREE LIST BOOM CAPACITY KI LOGRAMS	1 DEGREE LIST BOOM CAPACITY KI LOGRAMS	2 DEGREE LIST BOOM CAPACITY KI LOGRAMS	3 DEGREE LIST BOOM CAPACITY KI LOGRAMS	OPER. RADIUS METERS
45.7	150	7.9	82.0	47.7	109 000*				7.9
		8.0	81.9	47.7	108 800*				8.0
		9.0	80.6	47.6	105 100*				9.0
		10.0	79.3	47.4	95 300	81 300	68 900*		10.0
		11.0	78.0	47.2	82 200	73 100	65 700	58 200	11.0
		12.0	76.8	47.0	72 200	65 000	58 900	53 800	12.0
		13.0	75.5	46.7	64 300	58 300	53 200	48 800	13.0
		14.0	74.2	46.4	57 800	52 800	48 500	44 700	14.0
		15.0	72.9	46.1	52 400	48 200	44 500	41 200	15.0
		16.0	71.5	45.8	47 800	44 200	41 000	38 100	16.0
		18.0	68.9	45.1	40 500	37 700	35 300	33 000	18.0
		20.0	66.2	44.3	34 900	32 700	30 800	28 900	20.0
		22.0	63.4	43.3	30 500	28 700	27 100	25 600	22.0
		24.0	60.6	42.3	26 900	25 500	24 200	22 900	24.0
		26.0	57.6	41.1	24 000	22 800	21 700	20 600	26.0
		28.0	54.6	39.7	21 500	20 500	19 500	18 600	28.0
		30.0	51.5	38.2	19 400	18 500	17 700	16 900	30.0
		32.0	48.2	36.5	17 500	16 800	16 100	15 400	32.0
		34.0	44.7	34.6	15 900	15 300	14 700	14 100	34.0
		36.0	41.1	32.5	14 500	14 000	13 500	13 000	36.0
38.0	37.1	30.0	13 300	12 800	12 400	11 900	38.0		
40.0	32.7	27.2	12 200	11 800	11 400	11 000	40.0		
42.0	27.7	23.7	11 100	10 800	10 500	10 200	42.0		
44.0	21.7	19.4	10 200	10 000	9 700	9 400	44.0		
48.8	160	8.5	81.7	50.7	102 000*				8.5
		9.0	81.2	50.7	100 400*				9.0
		10.0	80.0	50.5	95 400	78 200*			10.0
		11.0	78.8	50.3	82 000	72 500	64 300	55 800	11.0
		12.0	77.6	50.1	72 000	64 400	58 100	52 900	12.0
		13.0	76.4	49.9	64 100	57 800	52 500	47 900	13.0
		14.0	75.2	49.6	57 600	52 400	47 800	43 900	14.0
		15.0	74.0	49.3	52 200	47 800	43 900	40 400	15.0
		16.0	72.7	49.0	47 600	43 800	40 400	37 400	16.0
		18.0	70.3	48.4	40 300	37 400	34 800	32 400	18.0
		20.0	67.7	47.6	34 700	32 400	30 400	28 500	20.0
		22.0	65.2	46.7	30 300	28 500	26 800	25 200	22.0
		24.0	62.6	45.7	26 700	25 200	23 800	22 500	24.0
		26.0	59.9	44.6	23 800	22 500	21 300	20 200	26.0
		28.0	57.1	43.4	21 300	20 200	19 200	18 200	28.0
		30.0	54.3	42.1	19 200	18 200	17 400	16 600	30.0
		32.0	51.3	40.5	17 300	16 600	15 800	15 100	32.0
		34.0	48.2	38.8	15 700	15 100	14 400	13 800	34.0
36.0	45.0	37.0	14 400	13 800	13 200	12 700	36.0		
38.0	41.6	34.8	13 100	12 600	12 100	11 600	38.0		
40.0	37.9	32.4	12 000	11 500	11 100	10 700	40.0		
42.0	33.9	29.7	11 000	10 600	10 200	9 900	42.0		
44.0	29.4	26.4	10 100	9 700	9 400	9 100	44.0		
46.0	24.2	22.5	9 300	9 000	8 700	8 400	46.0		



LIFTCRANE BOOM CAPACITIES

888 SERIES 2

**BOOM NO. 22E WITH OPEN THROAT TOP
 81 240 kg CRANE COUNTERWEIGHT
 19 960 kg CARBODY COUNTERWEIGHT
 8 585 mm CRAWLERS EXTENDED
 CRAWLER MACHINE ON A BARGE
 0 DEGREE THRU 3 DEGREE MACHINE LIST
 NO TRAVEL - 360 DEGREE RATING**

BOOM LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	0 DEGREE LIST BOOM CAPACITY KI LOGRAMS	1 DEGREE LIST BOOM CAPACITY KI LOGRAMS	2 DEGREE LIST BOOM CAPACITY KI LOGRAMS	3 DEGREE LIST BOOM CAPACITY KI LOGRAMS	OPER. RADIUS METERS
5 1 8	1 7 0	9.1	81.5	53.7	94 400*				9.1
		10.0	80.6	53.6	91 600	72 700*			10.0
		11.0	79.5	53.4	81 900	70 800	59 200*		11.0
		12.0	78.3	53.2	71 900	64 000	57 000	49 100*	12.0
		13.0	77.2	53.0	64 000	57 400	51 800	47 300	13.0
		14.0	76.1	52.8	57 500	52 000	47 300	43 200	14.0
		15.0	74.9	52.5	52 100	47 400	43 300	39 800	15.0
		16.0	73.8	52.2	47 500	43 500	40 000	36 800	16.0
		18.0	71.5	51.6	40 200	37 100	34 400	31 900	18.0
		20.0	69.1	50.9	34 600	32 200	30 000	28 000	20.0
		22.0	66.7	50.1	30 100	28 200	26 500	24 800	22.0
		24.0	64.3	49.1	26 600	25 000	23 500	22 100	24.0
		26.0	61.8	48.1	23 600	22 300	21 100	19 900	26.0
		28.0	59.3	47.0	21 100	20 000	19 000	18 000	28.0
		30.0	56.7	45.7	19 000	18 100	17 200	16 300	30.0
		32.0	54.0	44.4	17 200	16 400	15 600	14 800	32.0
		34.0	51.2	42.8	15 600	14 900	14 200	13 500	34.0
		36.0	48.3	41.1	14 200	13 600	13 000	12 400	36.0
		38.0	45.3	39.3	13 000	12 400	11 900	11 400	38.0
		40.0	42.1	37.2	11 900	11 400	10 900	10 400	40.0
42.0	38.6	34.8	10 900	10 500	10 000	9 600	42.0		
44.0	34.9	32.1	10 000	9 600	9 200	8 900	44.0		
46.0	30.9	29.0	9 100	8 800	8 500	8 200	46.0		
48.0	26.2	25.4	8 400	8 100	7 800	7 600	48.0		
50.0	20.7	20.8	7 700	7 500	7 200	7 000	50.0		
5 4 9	1 8 0	9.1	82.0	56.8	89 600*				9.1
		10.0	81.1	56.7	87 400*				10.0
		11.0	80.1	56.5	81 800	67 400			11.0
		12.0	79.0	56.3	71 800	63 800	54 400*		12.0
		13.0	77.9	56.1	63 800	56 900	51 200	43 100*	13.0
		14.0	76.9	55.9	57 300	51 500	46 600	42 400	14.0
		15.0	75.8	55.6	51 900	47 000	42 800	39 100	15.0
		16.0	74.7	55.4	47 300	43 100	39 400	36 200	16.0
		18.0	72.5	54.8	40 000	36 800	33 900	31 400	18.0
		20.0	70.3	54.1	34 400	31 900	29 600	27 500	20.0
		22.0	68.1	53.4	30 000	27 900	26 100	24 400	22.0
		24.0	65.8	52.5	26 400	24 700	23 200	21 700	24.0
		26.0	63.5	51.6	23 500	22 100	20 700	19 500	26.0
		28.0	61.1	50.5	21 000	19 800	18 700	17 600	28.0
		30.0	58.7	49.4	18 900	17 800	16 900	16 000	30.0
		32.0	56.3	48.1	17 000	16 100	15 300	14 500	32.0
		34.0	53.7	46.7	15 400	14 700	13 900	13 200	34.0
		36.0	51.1	45.1	14 000	13 400	12 700	12 100	36.0
		38.0	48.3	43.4	12 800	12 200	11 600	11 100	38.0
		40.0	45.5	41.6	11 700	11 100	10 700	10 200	40.0
42.0	42.5	39.5	10 700	10 200	9 800	9 300	42.0		
44.0	39.3	37.2	9 800	9 400	9 000	8 600	44.0		
46.0	35.8	34.6	9 000	8 600	8 200	7 900	46.0		
48.0	32.1	31.6	8 200	7 900	7 600	7 300	48.0		
50.0	27.9	28.2	7 500	7 300	7 000	6 700	50.0		
52.0	23.1	24.0	6 900	6 700	6 400	6 200	52.0		

MANITOWOC ENGINEERING CO.

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



LIFTCRANE BOOM CAPACITIES

888 SERIES 2

BOOM NO. 22E WITH OPEN THROAT TOP
81 240 kg CRANE COUNTERWEIGHT
19 960 kg CARBODY COUNTERWEIGHT
8 585 mm CRAWLERS EXTENDED
CRAWLER MACHINE ON A BARGE
0 DEGREE THRU 3 DEGREE MACHINE LIST
NO TRAVEL - 360 DEGREE RATING

BOOM LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	0 DEGREE LIST BOOM CAPACITY KI LOGRAMS	1 DEGREE LIST BOOM CAPACITY KI LOGRAMS	2 DEGREE LIST BOOM CAPACITY KI LOGRAMS	3 DEGREE LIST BOOM CAPACITY KI LOGRAMS	OPER. RADIUS METERS
57.9	190	9.8	81.8	59.8	82 100*				9.8
		10.0	81.6	59.7	81 500*				10.0
		11.0	80.6	59.6	79 300	62 000*			11.0
		12.0	79.6	59.4	71 900	60 600*	48 100*		12.0
		13.0	78.6	59.2	63 700	56 500	48 100*	37 900*	13.0
		14.0	77.6	59.0	57 200	51 100	46 000	37 800*	14.0
		15.0	76.5	58.8	51 700	46 600	42 200	37 700	15.0
		16.0	75.5	58.5	47 100	42 700	38 900	36 400	16.0
		18.0	73.5	58.0	39 800	36 400	33 500	30 800	18.0
		20.0	71.4	57.3	34 200	31 600	29 200	27 000	20.0
		22.0	69.3	56.6	29 800	27 600	25 700	23 900	22.0
		24.0	67.2	55.8	26 200	24 400	22 800	21 300	24.0
		26.0	65.0	54.9	23 200	21 700	20 400	19 100	26.0
		28.0	62.8	54.0	20 700	19 500	18 300	17 200	28.0
		30.0	60.5	52.9	18 600	17 500	16 500	15 600	30.0
		32.0	58.2	51.7	16 800	15 900	15 000	14 200	32.0
		34.0	55.9	50.4	15 200	14 400	13 600	12 900	34.0
		36.0	53.5	49.0	13 800	13 100	12 400	11 800	36.0
		38.0	51.0	47.4	12 600	11 900	11 300	10 700	38.0
		40.0	48.4	45.7	11 500	10 900	10 300	9 800	40.0
		42.0	45.7	43.9	10 500	10 000	9 500	9 000	42.0
		44.0	42.8	41.8	9 600	9 100	8 700	8 300	44.0
		46.0	39.8	39.5	8 700	8 300	8 000	7 600	46.0
		48.0	36.6	37.0	8 000	7 600	7 300	6 900	48.0
		50.0	33.2	34.1	7 300	7 000	6 700	6 400	50.0
		52.0	29.4	30.8	6 700	6 400	6 100	5 800	52.0
		54.0	25.0	27.0	6 100	5 900	5 600	5 400	54.0
		56.0	19.8	22.1	5 500	5 300	5 100	4 900	56.0
61.0	200	10.4	81.7	62.8	76 200*				10.4
		11.0	81.1	62.7	74 900*				11.0
		12.0	80.1	62.5	71 400	57 200*			12.0
		13.0	79.1	62.3	63 500	55 600	42 700*		13.0
		14.0	78.2	62.1	57 000	50 600	42 500*	33 300*	14.0
		15.0	77.2	61.9	51 500	46 200	41 700	33 300*	15.0
		16.0	76.3	61.7	47 000	42 300	38 500	33 200	16.0
		18.0	74.3	61.2	39 600	36 000	33 000	30 500	18.0
		20.0	72.4	60.6	34 000	31 200	28 800	26 500	20.0
		22.0	70.4	59.9	29 600	27 300	25 300	23 400	22.0
		24.0	68.4	59.1	26 000	24 100	22 400	20 900	24.0
		26.0	66.3	58.3	23 000	21 500	20 000	18 700	26.0
		28.0	64.3	57.4	20 600	19 200	18 000	16 900	28.0
		30.0	62.2	56.4	18 400	17 300	16 200	15 200	30.0
		32.0	60.0	55.3	16 600	15 600	14 700	13 800	32.0
		34.0	57.8	54.0	15 000	14 100	13 300	12 500	34.0
		36.0	55.6	52.7	13 600	12 800	12 100	11 400	36.0
		38.0	53.2	51.3	12 300	11 700	11 000	10 400	38.0
		40.0	50.9	49.7	11 300	10 600	10 100	9 500	40.0
		42.0	48.4	48.0	10 200	9 700	9 200	8 700	42.0
		44.0	45.8	46.2	9 300	8 900	8 400	8 000	44.0
		46.0	43.1	44.1	8 600	8 100	7 700	7 300	46.0
		48.0	40.3	41.9	7 800	7 400	7 100	6 700	48.0
		50.0	37.3	39.4	7 100	6 800	6 400	6 100	50.0
		52.0	34.1	36.6	6 500	6 200	5 900	5 600	52.0
		54.0	30.6	33.5	5 900	5 600	5 400	5 100	54.0
		56.0	26.7	29.8	5 400	5 100	4 800	4 600	56.0
		58.0	22.1	25.4	4 800	4 600	4 400	4 200	58.0

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888 SERIES 2

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81 240 kg CRANE COUNTERWEIGHT
19 960 kg CARBODY COUNTERWEIGHT
8 585 mm CRAWLERS EXTENDED
CRAWLER MACHINE ON A BARGE
0 DEGREE THRU 3 DEGREE MACHINE LIST
NO TRAVEL - 360 DEGREE RATING

BOOM LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	0 DEGREE LIST BOOM CAPACITY KI LOGRAMS	1 DEGREE LIST BOOM CAPACITY KI LOGRAMS	2 DEGREE LIST BOOM CAPACITY KI LOGRAMS	3 DEGREE LIST BOOM CAPACITY KI LOGRAMS	OPER. RADIUS METERS
6 4 · 0	2 1 0	11.0	81.5	65.8	71 200*				11.0
		12.0	80.6	65.6	69 500*	51 300*			12.0
		13.0	79.7	65.4	63 400	51 100*	38 000*		13.0
		14.0	78.8	65.2	56 800	50 200	37 900*		14.0
		15.0	77.8	65.0	51 400	45 800	37 800*	29 400*	15.0
		16.0	76.9	64.8	46 800	41 900	37 100	29 400*	16.0
		18.0	75.1	64.3	39 400	35 800	32 800	29 200	18.0
		20.0	73.2	63.7	33 900	30 900	28 300	26 100	20.0
		22.0	71.3	63.1	29 400	27 100	25 000	23 000	22.0
		24.0	69.4	62.4	25 800	23 900	22 100	20 500	24.0
		26.0	67.5	61.6	22 900	21 200	19 800	18 400	26.0
		28.0	65.6	60.7	20 400	19 000	17 700	16 500	28.0
		30.0	63.6	59.8	18 300	17 100	16 000	14 900	30.0
		32.0	61.6	58.7	16 400	15 400	14 400	13 500	32.0
		34.0	59.5	57.6	14 800	14 000	13 100	12 300	34.0
		36.0	57.4	56.4	13 400	12 600	11 900	11 200	36.0
		38.0	55.3	55.1	12 200	11 500	10 800	10 200	38.0
		40.0	53.1	53.6	11 100	10 500	9 800	9 300	40.0
		42.0	50.8	52.0	10 100	9 500	9 000	8 500	42.0
		44.0	48.4	50.3	9 200	8 700	8 200	7 700	44.0
		46.0	46.0	48.5	8 400	7 900	7 500	7 100	46.0
		48.0	43.4	46.5	7 700	7 200	6 800	6 400	48.0
		50.0	40.8	44.3	6 900	6 600	6 200	5 900	50.0
		52.0	37.9	41.8	6 300	6 000	5 700	5 300	52.0
54.0	34.9	39.1	5 800	5 400	5 100	4 900	54.0		
56.0	31.7	36.1	5 200	4 900	4 700	4 400	56.0		
58.0	28.1	32.6	4 700	4 500	4 200	4 000	58.0		
60.0	24.0	28.5	4 200	4 000	3 800	3 600	60.0		
62.0	19.1	23.4	3 800	3 600	3 400	3 300	62.0		
6 7 · 1	2 2 0	11.0	81.9	68.8	67 400*				11.0
		12.0	81.0	68.7	65 800*				12.0
		13.0	80.1	68.5	63 600	46 000*			13.0
		14.0	79.3	68.3	56 600	45 900*	33 800*		14.0
		15.0	78.4	68.1	51 200	45 100	33 700*	26 000*	15.0
		16.0	77.5	67.9	46 600	42 100	33 600*	26 000*	16.0
		18.0	75.8	67.5	39 200	35 400	32 000	25 900*	18.0
		20.0	74.0	66.9	33 600	30 600	27 900	25 600	20.0
		22.0	72.2	66.3	29 200	26 800	24 600	22 600	22.0
		24.0	70.4	65.6	25 600	23 600	21 800	20 100	24.0
		26.0	68.6	64.9	22 700	21 000	19 400	18 000	26.0
		28.0	66.7	64.1	20 200	18 700	17 400	16 200	28.0
		30.0	64.9	63.2	18 100	16 800	15 700	14 600	30.0
		32.0	63.0	62.2	16 200	15 100	14 200	13 200	32.0
		34.0	61.0	61.1	14 600	13 700	12 800	12 000	34.0
		36.0	59.1	60.0	13 200	12 400	11 600	10 900	36.0
		38.0	57.0	58.7	12 000	11 300	10 600	9 900	38.0
		40.0	55.0	57.4	10 900	10 200	9 600	9 000	40.0
		42.0	52.9	55.9	9 900	9 300	8 800	8 200	42.0
		44.0	50.7	54.3	9 000	8 500	8 000	7 500	44.0
		46.0	48.5	52.6	8 200	7 700	7 200	6 800	46.0
		48.0	46.1	50.8	7 400	7 000	6 600	6 200	48.0
		50.0	43.7	48.8	6 800	6 400	6 000	5 600	50.0
		52.0	41.2	46.6	6 100	5 700	5 400	5 100	52.0
54.0	38.5	44.2	5 500	5 200	4 900	4 600	54.0		
56.0	35.7	41.6	5 000	4 700	4 400	4 200	56.0		
58.0	32.6	38.6	4 500	4 200	4 000	3 700	58.0		
60.0	29.3	35.3	4 000	3 800	3 600	3 300	60.0		
62.0	25.6	31.4	3 600	3 400	3 200	3 000	62.0		
64.0	21.3	26.8	3 200	3 000	2 800	2 600	64.0		



LIFTCRANE BOOM CAPACITIES

888 SERIES 2

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 CRAWLER MACHINE ON A BARGE
 0 DEGREE THRU 3 DEGREE MACHINE LIST
 NO TRAVEL - 360 DEGREE RATING**

BOOM LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	0 DEGREE LIST BOOM CAPACITY KI LOGRAMS	1 DEGREE LIST BOOM CAPACITY KI LOGRAMS	2 DEGREE LIST BOOM CAPACITY KI LOGRAMS	3 DEGREE LIST BOOM CAPACITY KI LOGRAMS	OPER. RADIUS METERS		
7 0 1	2 3 0	11.6	81.8	71.8	61 200*				11.6		
		12.0	81.4	71.8	60 900*				12.0		
		13.0	80.6	71.6	59 700*	41 200*			13.0		
		14.0	79.7	71.4	56 500	41 100*			14.0		
		15.0	78.9	71.3	51 100	40 900*		30 000*	15.0		
		16.0	78.1	71.1	46 400	40 200	29 900*	22 900*	16.0		
		18.0	76.4	70.6	39 100	35 300	29 700*	22 700*	18.0		
		20.0	74.7	70.1	33 400	30 300	27 600	22 700*	20.0		
		22.0	73.0	69.5	29 000	26 500	24 200	22 100	22.0		
		24.0	71.3	68.9	25 400	23 300	21 400	19 700	24.0		
		26.0	69.6	68.2	22 500	20 700	19 100	17 600	26.0		
		28.0	67.8	67.4	20 000	18 500	17 000	15 800	28.0		
		30.0	66.0	66.5	17 800	16 500	15 300	14 200	30.0		
		32.0	64.2	65.6	16 000	14 900	13 800	12 800	32.0		
		34.0	62.4	64.6	14 400	13 400	12 500	11 600	34.0		
		36.0	60.5	63.5	13 000	12 100	11 300	10 500	36.0		
		38.0	58.6	62.3	11 800	11 000	10 200	9 600	38.0		
		40.0	56.7	61.1	10 600	10 000	9 300	8 700	40.0		
		42.0	54.7	59.7	9 700	9 000	8 400	7 900	42.0		
		44.0	52.7	58.2	8 700	8 200	7 600	7 100	44.0		
		46.0	50.6	56.6	8 000	7 400	6 900	6 500	46.0		
		48.0	48.5	54.9	7 200	6 700	6 300	5 800	48.0		
		50.0	46.3	53.1	6 500	6 100	5 700	5 300	50.0		
		52.0	43.9	51.1	5 900	5 500	5 100	4 800	52.0		
		54.0	41.5	48.9	5 300	4 900	4 600	4 300	54.0		
		56.0	39.0	46.6	4 800	4 400	4 100	3 800	56.0		
		58.0	36.3	44.0	4 300	4 000	3 700	3 400	58.0		
		60.0	33.5	41.1	3 800	3 600	3 300	3 000	60.0		
		62.0	30.4	37.9	3 400	3 100	2 900	2 700	62.0		
		64.0	27.0	34.3	2 900	2 800	2 500	2 300	64.0		
		66.0	23.1	30.0	2 600	2 400	2 200	2 000	66.0		
		68.0	18.5	24.7	2 200	2 000	1 900		68.0		
		7 3 2	2 4 0	12.2	81.6	74.8	55 500*				12.2
				13.0	81.0	74.7	55 300*				13.0
14.0	80.2			74.5	55 000*	37 100*			14.0		
15.0	79.4			74.4	51 000	37 000*	26 800*		15.0		
16.0	78.6			74.2	46 300	36 800*	26 700*		16.0		
18.0	77.0			73.7	38 900	34 700	26 600*	20 100*	18.0		
20.0	75.4			73.2	33 300	30 000	26 300	20 000*	20.0		
22.0	73.7			72.7	28 800	26 200	24 000	19 900*	22.0		
24.0	72.1			72.1	25 200	23 000	21 100	19 200	24.0		
26.0	70.5			71.4	22 300	20 400	18 800	17 200	26.0		
28.0	68.8			70.7	19 800	18 200	16 800	15 500	28.0		
30.0	67.1			69.8	17 700	16 300	15 100	13 900	30.0		
32.0	65.4			69.0	15 800	14 600	13 600	12 500	32.0		
34.0	63.6			68.0	14 200	13 200	12 200	11 300	34.0		
36.0	61.9			67.0	12 800	11 900	11 100	10 300	36.0		
38.0	60.1			65.9	11 600	10 800	10 000	9 300	38.0		
40.0	58.3			64.7	10 500	9 700	9 000	8 400	40.0		
42.0	56.4			63.4	9 500	8 800	8 200	7 600	42.0		
44.0	54.5			62.0	8 600	8 000	7 400	6 900	44.0		
46.0	52.6			60.5	7 700	7 200	6 700	6 200	46.0		
48.0	50.6	59.0	7 000	6 500	6 100	5 600	48.0				
50.0	48.5	57.2	6 300	5 900	5 500	5 100	50.0				
52.0	46.4	55.4	5 700	5 300	4 900	4 500	52.0				
54.0	44.2	53.4	5 100	4 800	4 400	4 100	54.0				
56.0	41.9	51.3	4 600	4 300	3 900	3 600	56.0				
58.0	39.5	49.0	4 100	3 800	3 500	3 200	58.0				
60.0	36.9	46.4	3 600	3 300	3 100	2 800	60.0				
62.0	34.2	43.6	3 200	2 900	2 700	2 400	62.0				
64.0	31.3	40.5	2 800	2 500	2 300	2 100	64.0				
66.0	28.2	37.0	2 400	2 200	2 000		66.0				
68.0	24.7	33.0	2 000	1 800			68.0				

MANITOWOC ENGINEERING CO.

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



LIFTCRANE BOOM CAPACITIES

888 SERIES 2

BOOM NO. 22E WITH OPEN THROAT TOP
81 240 kg CRANE COUNTERWEIGHT
19 960 kg CARBODY COUNTERWEIGHT
8 585 mm CRAWLERS EXTENDED
CRAWLER MACHINE ON A BARGE
0 DEGREE THRU 3 DEGREE MACHINE LIST
NO TRAVEL - 360 DEGREE RATING

BOOM LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	0 DEGREE LIST BOOM CAPACITY KI LOGRAMS	1 DEGREE LIST BOOM CAPACITY KI LOGRAMS	2 DEGREE LIST BOOM CAPACITY KI LOGRAMS	3 DEGREE LIST BOOM CAPACITY KI LOGRAMS	OPER. RADIUS METERS
7 6 - 2	2 5 0	12.2	82.0	77.9	50 300*				12.2
		13.0	81.3	77.8	50 000*				13.0
		14.0	80.6	77.6	49 800*	33 300*			14.0
		15.0	79.8	77.5	49 500*	33 200*			15.0
		16.0	79.0	77.3	47 300	33 100*	23 800*		16.0
		18.0	77.5	76.9	38 800	32 800*	23 700*	17 700*	18.0
		20.0	76.0	76.4	33 100	29 800	23 500*	17 600*	20.0
		22.0	74.4	75.9	28 600	25 900	23 000	17 500*	22.0
		24.0	72.8	75.3	25 100	22 800	20 900	17 400*	24.0
		26.0	71.3	74.6	22 100	20 200	18 400	16 900	26.0
		28.0	69.7	73.9	19 600	18 000	16 500	15 200	28.0
		30.0	68.1	73.1	17 500	16 100	14 800	13 600	30.0
		32.0	66.4	72.3	15 600	14 400	13 300	12 200	32.0
		34.0	64.8	71.4	14 100	13 000	12 000	11 100	34.0
		36.0	63.1	70.4	12 600	11 700	10 800	10 000	36.0
		38.0	61.4	69.4	11 400	10 600	9 800	9 000	38.0
		40.0	59.7	68.2	10 300	9 500	8 800	8 100	40.0
		42.0	57.9	67.0	9 300	8 600	8 000	7 300	42.0
		44.0	56.1	65.7	8 400	7 800	7 200	6 600	44.0
		46.0	54.3	64.3	7 600	7 000	6 500	6 000	46.0
		48.0	52.4	62.8	6 800	6 300	5 800	5 400	48.0
		50.0	50.5	61.3	6 200	5 700	5 300	4 800	50.0
		52.0	48.5	59.5	5 500	5 100	4 700	4 300	52.0
		54.0	46.5	57.7	4 900	4 500	4 200	3 800	54.0
		56.0	44.4	55.7	4 400	4 000	3 700	3 400	56.0
		58.0	42.2	53.6	3 900	3 600	3 300	3 000	58.0
		60.0	39.9	51.3	3 400	3 100	2 900	2 600	60.0
		62.0	37.5	48.8	3 000	2 700	2 500	2 200	62.0
64.0	34.9	46.1	2 600	2 400	2 100	1 900	64.0		
66.0	32.2	43.1	2 200	2 000			66.0		
68.0	29.3	39.7	1 900				68.0		
7 9 - 2	2 6 0	12.8	81.8	80.9	45 800*				
		13.0	81.7	80.9	45 700*				
		14.0	80.9	80.7	45 400*				
		15.0	80.2	80.6	45 200*				
		16.0	79.5	80.4	44 300				
		18.0	78.0	80.0	38 900				
		20.0	76.5	79.5	32 900				
		22.0	75.0	79.0	28 500				
		24.0	73.5	78.5	24 900				
		26.0	72.0	77.8	21 900				
		28.0	70.5	77.2	19 400				
		30.0	68.9	76.4	17 300				
		32.0	67.4	75.6	15 400				
		34.0	65.8	74.7	13 800				
		36.0	64.2	73.8	12 400				
		38.0	62.6	72.8	11 200				
		40.0	61.0	71.7	10 100				
		42.0	59.3	70.6	9 100				
		44.0	57.6	69.4	8 200				
		46.0	55.9	68.1	7 400				
		48.0	54.1	66.6	6 600				
		50.0	52.3	65.2	5 900				
		52.0	50.4	63.6	5 300				
		54.0	48.5	61.8	4 700				
		56.0	46.6	60.0	4 200				
		58.0	44.5	58.1	3 700				
		60.0	42.4	55.9	3 200				
		62.0	40.3	53.7	2 800				
64.0	38.0	51.2	2 400						
66.0	35.6	48.5	2 000						