

MANITOWOC ENGINEERING CO.

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



LIFTCRANE BOOM CAPACITIES

JAPANESE
CODES

M-250 SERIES 2

BOOM NO. 44 WITH HEAVY LIFT TOP

32 mm HOIST LINE

28 mm WHIP LINE

93 890 kg CRANE COUNTERWEIGHT

27 220 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 JAPANESE CONSTRUCTION CODES FOR MOBILE CRANES. CAPACITIES BASED ON STRUCTURAL COMPETENCE ARE DENOTED BY AN ASTERISK (*).

UPPER BOOM POINT CAPACITY FOR LIFTCRANE SERVICE WITH SINGLE PART WHIP LINE IS 13 110 kg OR 26 220 kg WITH TWO PART WHIP LINE. IN ALL CASES, UPPER BOOM POINT CAPACITIES CANNOT EXCEED THOSE LISTED FOR MAIN BOOM CAPACITY.

76.2m THRU 88.4m BOOM LENGTHS REQUIRE ONLY THE MIDDLE 3 SHEAVES TO BE USED ON LOWER BOOM POINT. ALL OTHER SHEAVES MUST BE REMOVED FROM LOWER BOOM POINT.

WEIGHT OF JIB, ALL LOAD BLOCKS, HOOKS, WEIGHT BALL, SLINGS, 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. 170423 OR NO. 172611, WIRE ROPE SPECIFICATION CHART NO. 7807-A AND COUNTERWEIGHT ARRANGEMENT CHART NO. 7692-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 TO PREVENT JIB BEING BLOWN OVER BACKWARDS. 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.

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 9 373 mm CRAWLERS, 1 219 mm TREADS, 8 534 mm RETRACTABLE GANTRY, 12 PART BOOM HOIST REEVING, FOUR 45 mm BOOM PENDANTS, 93 890 kg CRANE COUNTERWEIGHT, AND TWO 13 610 kg CARBODY COUNTERWEIGHTS.

WIND LIMITS DURING OPERATION		
MAXIMUM WIND VELOCITY	BOOM LENGTH	JIB LENGTH
m/s	METERS	METERS
14	21.3 - 51.8	---
10	54.9 - 57.9	---
7	61.0 - 88.4	---
14	39.6 - 51.8	12.2 - 24.4
10	54.9 - 57.9	12.2 - 24.4
7	61.0 - 79.2	12.2 - 18.3
7	61.0 - 76.2	24.4
7	39.6 - 73.2	30.5
7	39.6 - 70.1	36.6

MAXIMUM BOOM AND JIB LENGTHS LIFTED UNASSISTED OVER FRONT SIDE OR REAR OF CRAWLERS		DEDUCT FROM CAPACITIES WHEN JIB IS ATTACHED	
BOOM LGTH.	JIB NO. 132	JIB LGTH.	JIB NO. 132
88.4m	---	12.2m	3 080 kg
85.3m	---	18.3m	3 990 kg
82.3m	---	24.4m	5 080 kg
79.2m	18.3m	30.5m	6 210 kg
76.2m	24.4m	36.6m	7 480 kg
73.2m	30.5m		
70.1m	36.6m		
LOAD BLOCK, HOOK, AND WEIGHT BALL ON GROUND AT START.			

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

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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
2 1 · 3	7 0	5.5	82.9	23.5	272 100*	3 0 · 5	1 0 0	6.7	82.8	32.6	217 200*
		6.0	81.5	23.4	256 800*			7.0	82.2	32.5	215 900*
		6.5	80.2	23.3	243 600*			7.5	81.2	32.4	211 800*
		7.0	78.8	23.2	228 100*			8.0	80.3	32.3	199 600*
		7.5	77.4	23.1	213 500*			8.5	79.3	32.2	188 200*
		8.0	76.0	22.9	200 700*			9.0	78.4	32.1	177 900*
		8.5	74.6	22.8	189 300*			10.0	76.4	31.9	159 900
		9.0	73.2	22.6	179 000*			11.0	74.5	31.6	139 400
		10.0	70.3	22.2	160 700			12.0	72.5	31.2	121 900
		11.0	67.4	21.8	139 700			13.0	70.5	30.9	108 100
		12.0	64.4	21.3	122 200			14.0	68.5	30.5	96 900
		13.0	61.3	20.7	108 500			15.0	66.4	30.0	87 700
		14.0	58.1	20.1	97 500			16.0	64.3	29.5	79 900
		15.0	54.8	19.4	88 300			18.0	60.0	28.4	67 600
		16.0	51.4	18.5	80 600			20.0	55.4	27.0	58 300
		18.0	43.8	16.6	68 300			22.0	50.6	25.4	51 000
		20.0	34.8	13.9	58 800			24.0	45.4	23.5	45 200
2 4 · 4	8 0	6.1	82.4	26.5	238 500*	3 3 · 5	1 1 0	7.0	82.9	35.6	169 600*
		6.5	81.4	26.4	236 900*			7.5	82.0	35.5	167 700*
		7.0	80.2	26.3	227 800*			8.0	81.2	35.4	166 000*
		7.5	79.0	26.2	213 100*			8.5	80.3	35.3	164 300*
		8.0	77.8	26.1	200 300*			9.0	79.4	35.2	162 700*
		8.5	76.6	26.0	188 800*			10.0	77.7	35.0	158 200
		9.0	75.4	25.8	178 600*			11.0	75.9	34.7	139 500
		10.0	72.9	25.5	160 400			12.0	74.1	34.4	122 000
		11.0	70.4	25.1	139 600			13.0	72.3	34.1	108 200
		12.0	67.8	24.7	122 100			14.0	70.5	33.8	97 000
		13.0	65.2	24.2	108 400			15.0	68.7	33.3	87 700
		14.0	62.6	23.7	97 200			16.0	66.8	32.9	79 900
		15.0	59.8	23.1	88 000			18.0	63.0	31.9	67 600
		16.0	57.0	22.4	80 200			20.0	59.0	30.7	58 300
		18.0	51.1	20.8	68 000			22.0	54.9	29.3	51 000
		20.0	44.5	18.9	58 800			24.0	50.5	27.7	45 100
		22.0	37.0	16.4	51 600			26.0	45.8	25.8	40 300
		24.0	27.6	13.0	43 500			28.0	40.6	23.6	36 300
2 7 · 4	9 0	6.4	82.6	29.5	226 000*	3 6 · 6	1 2 0	30.0	34.9	20.9	33 000
		6.5	82.4	29.5	225 500*			32.0	28.0	17.4	30 100
		7.0	81.3	29.4	223 300*			7.3	83.0	38.6	164 700*
		7.5	80.3	29.3	213 300*			7.5	82.7	38.6	164 100*
		8.0	79.2	29.2	200 000*			8.0	81.9	38.5	162 400*
		8.5	78.1	29.1	188 600*			8.5	81.1	38.4	160 800*
		9.0	77.0	29.0	178 300*			9.0	80.3	38.3	159 300*
		10.0	74.9	28.7	160 200			10.0	78.7	38.1	155 900
		11.0	72.7	28.4	139 500			11.0	77.1	37.9	139 300
		12.0	70.4	28.0	122 000			12.0	75.5	37.6	121 800
		13.0	68.2	27.6	108 300			13.0	73.9	37.3	107 900
		14.0	65.9	27.1	97 100			14.0	72.2	37.0	96 700
		15.0	63.5	26.6	87 900			15.0	70.5	36.6	87 400
		16.0	61.1	26.0	80 100			16.0	68.9	36.2	79 600
		18.0	56.1	24.7	67 900			18.0	65.4	35.3	67 200
		20.0	50.8	23.1	58 600			20.0	61.9	34.3	57 900
		22.0	45.0	21.2	51 400			22.0	58.2	33.1	50 600
		24.0	38.5	18.8	45 600			24.0	54.4	31.7	44 700
								26.0	50.4	30.0	39 900
								28.0	46.1	28.2	35 800
								30.0	41.4	26.0	32 500
								32.0	36.3	23.4	29 600
								34.0	30.3	20.1	27 100

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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
3 9 · 6	1 3 0	7.9	82.7	41.6	158 800*	4 8 · 8	1 6 0	8.8	83.0	50.7	132 200*
		8.0	82.6	41.6	158 600*			9.0	82.8	50.7	131 800*
		8.5	81.8	41.5	157 100*			10.0	81.6	50.6	129 300*
		9.0	81.1	41.4	155 700*			11.0	80.4	50.4	127 100*
		10.0	79.6	41.3	153 100*			12.0	79.2	50.2	121 400
		11.0	78.1	41.0	139 300			13.0	78.0	50.0	107 400
		12.0	76.6	40.8	121 700			14.0	76.8	49.7	96 100
		13.0	75.1	40.5	107 900			15.0	75.6	49.4	86 800
		14.0	73.6	40.2	96 600			16.0	74.3	49.2	78 900
		15.0	72.1	39.9	87 400			18.0	71.9	48.5	66 500
		16.0	70.6	39.5	79 600			20.0	69.4	47.8	57 100
		18.0	67.4	38.7	67 200			22.0	66.8	46.9	49 700
		20.0	64.2	37.7	57 900			24.0	64.2	46.0	43 700
		22.0	60.9	36.6	50 500			26.0	61.5	44.9	38 900
		24.0	57.5	35.4	44 600			28.0	58.8	43.7	34 800
		26.0	54.0	34.0	39 800			30.0	56.0	42.4	31 300
		28.0	50.3	32.3	35 700			32.0	53.1	40.9	28 400
		30.0	46.3	30.5	32 300			34.0	50.0	39.2	25 800
		32.0	42.0	28.3	29 400			36.0	46.8	37.4	23 600
		34.0	37.4	25.8	26 900			38.0	43.4	35.3	21 600
4 2 · 7	1 4 0	36.0	32.2	22.8	24 800	5 1 · 8	1 7 0	40.0	39.8	33.0	19 900
		38.0	25.9	19.0	22 900			42.0	35.9	30.3	18 400
		8.2	82.8	44.7	154 800*			44.0	31.6	27.2	17 000
		8.5	82.4	44.6	154 000*			9.1	83.0	53.8	128 500*
		9.0	81.7	44.5	152 700*			10.0	82.1	53.6	126 700*
		10.0	80.4	44.4	150 200*			11.0	81.0	53.5	124 600*
		11.0	79.0	44.2	139 100			12.0	79.8	53.3	120 300
		12.0	77.6	43.9	121 500			13.0	78.7	53.1	107 100
		13.0	76.2	43.7	107 600			14.0	77.6	52.9	95 800
		14.0	74.8	43.4	96 400			15.0	76.4	52.6	86 500
		15.0	73.4	43.1	87 100			16.0	75.3	52.3	78 600
		16.0	72.0	42.8	79 200			18.0	73.0	51.7	66 200
		18.0	69.1	42.0	66 800			20.0	70.6	51.0	56 800
		20.0	66.2	41.1	57 400			22.0	68.3	50.2	49 400
		22.0	63.2	40.1	50 100			24.0	65.8	49.4	43 500
		24.0	60.1	39.0	44 200			26.0	63.4	48.4	38 600
		26.0	56.9	37.7	39 300			28.0	60.8	47.3	34 600
		28.0	53.6	36.3	35 300			30.0	58.3	46.0	31 100
		30.0	50.2	34.6	31 900			32.0	55.6	44.7	28 200
		32.0	46.5	32.8	28 900			34.0	52.8	43.2	25 600
4 5 · 7	1 5 0	36.0	42.6	30.7	26 400	5 4 · 9	1 8 0	36.0	50.0	41.5	23 400
		38.0	38.3	28.2	24 200			38.0	47.0	39.7	21 400
		38.0	33.6	25.3	22 300			40.0	43.8	37.7	19 600
		8.5	82.9	47.7	136 900*			42.0	40.4	35.4	18 100
		9.0	82.3	47.6	135 500*			9.8	82.8	56.8	124 200*
		10.0	81.0	47.5	132 800*			10.0	82.5	56.7	123 800*
		11.0	79.7	47.3	130 400			11.0	81.5	56.6	122 000*
		12.0	78.5	47.1	122 300			12.0	80.4	56.4	119 100
		13.0	77.2	46.8	107 400			13.0	79.3	56.2	106 900
		14.0	75.9	46.6	96 200			14.0	78.3	56.0	95 600
		15.0	74.6	46.3	86 900			15.0	77.2	55.7	86 200
		16.0	73.3	46.0	79 000			16.0	76.1	55.5	78 300
		18.0	70.6	45.3	66 600			18.0	74.0	54.9	65 900
		20.0	67.9	44.5	57 300			20.0	71.8	54.3	56 500
		22.0	65.2	43.6	49 900			22.0	69.5	53.5	49 100
		24.0	62.3	42.5	44 000			24.0	67.3	52.7	43 100
		26.0	59.4	41.4	39 100			26.0	65.0	51.8	38 300
		28.0	56.4	40.0	35 100			28.0	62.6	50.7	34 100
		30.0	53.3	38.6	31 600			30.0	60.2	49.6	30 700
		32.0	50.1	36.9	28 700			32.0	57.8	48.4	27 700
		34.0	46.7	35.1	26 100			34.0	55.2	47.0	25 100
		36.0	43.0	33.0	23 900			36.0	52.6	45.5	22 900
		38.0	39.1	30.6	22 000			38.0	49.9	43.8	20 900
		40.0	34.9	27.8	20 300			40.0	47.1	42.0	19 200
		42.0	30.1	24.6	18 800						

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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 7 · 9	1 9 0	10.4	82.6	59.7	109 100*	6 7 · 1	2 2 0	11.6	82.5	68.8	98 200*
		11.0	81.9	59.7	107 900*			12.0	82.2	68.7	97 300*
		12.0	80.9	59.5	106 200*			13.0	81.3	68.6	93 900*
		13.0	79.9	59.3	104 100			14.0	80.4	68.4	90 400*
		14.0	78.9	59.1	95 500			15.0	79.6	68.2	85 700
		15.0	77.9	58.9	86 100			16.0	78.7	68.0	77 800
		16.0	76.9	58.6	78 200			18.0	76.9	67.6	65 100
		18.0	74.8	58.1	65 700			20.0	75.2	67.0	55 600
		20.0	72.8	57.5	56 300			22.0	73.4	66.4	48 100
		22.0	70.7	56.8	48 900			24.0	71.6	65.8	42 200
		24.0	68.5	56.0	43 000			26.0	69.8	65.1	37 300
		26.0	66.4	55.1	38 100			28.0	67.9	64.2	33 100
		28.0	64.2	54.2	34 000			30.0	66.1	63.4	29 700
		30.0	61.9	53.1	30 500			32.0	64.2	62.4	26 700
		32.0	59.7	52.0	27 500			34.0	62.2	61.4	24 000
		34.0	57.3	50.7	25 000			36.0	60.3	60.2	21 800
6 1 · 0	2 0 0	10.4	82.9	62.8	105 500*	7 0 · 1	2 3 0	11.6	82.9	71.9	87 200*
		11.0	82.3	62.7	104 500*			12.0	82.5	71.8	86 700*
		12.0	81.4	62.6	102 900*			13.0	81.7	71.7	85 500*
		13.0	80.4	62.4	101 500*			14.0	80.9	71.5	84 500*
		14.0	79.5	62.2	95 500			15.0	80.0	71.3	81 900*
		15.0	78.5	62.0	86 000			16.0	79.2	71.1	77 600
		16.0	77.5	61.8	78 200			18.0	77.5	70.7	65 200
		18.0	75.6	61.3	65 700			20.0	75.8	70.2	55 500
		20.0	73.6	60.7	56 200			22.0	74.1	69.6	48 100
		22.0	71.7	60.0	48 800			24.0	72.4	69.0	42 100
		24.0	69.7	59.3	42 800			26.0	70.7	68.3	37 200
		26.0	67.6	58.5	37 900			28.0	68.9	67.5	33 000
		28.0	65.6	57.6	33 800			30.0	67.2	66.7	29 500
		30.0	63.5	56.6	30 300			32.0	65.4	65.8	26 500
		32.0	61.3	55.5	27 300			34.0	63.6	64.8	23 900
6 4 · 0	2 1 0	34.0	59.2	54.3	24 700	7 3 · 2	2 4 0	36.0	61.7	63.7	21 600
		36.0	56.9	53.0	22 500			12.2	82.7	74.9	83 800*
		38.0	54.6	51.6	20 500			13.0	82.0	74.8	82 900*
								14.0	81.2	74.6	80 400*
								15.0	80.4	74.4	77 800*
								16.0	79.6	74.2	74 800
		11.0	82.7	65.8	101 800*			18.0	78.0	73.8	65 100
		12.0	81.8	65.7	100 500*			20.0	76.4	73.3	55 200
		13.0	80.9	65.5	98 300*			22.0	74.8	72.8	47 700
		14.0	80.0	65.3	94 600*			24.0	73.2	72.2	41 700
		15.0	79.1	65.1	85 800			26.0	71.5	71.5	36 800
		16.0	78.1	64.9	77 800			28.0	69.9	70.8	32 700
		18.0	76.3	64.4	65 400			30.0	68.2	70.0	29 200
		20.0	74.4	63.9	55 900			32.0	66.5	69.2	26 200
		22.0	72.6	63.2	48 500			34.0	64.7	68.2	23 500
		24.0	70.7	62.5	42 600			36.0	63.0	67.2	21 300
6 4 · 0	2 1 0	26.0	68.8	61.8	37 600	7 6 · 2	2 5 0	28.0	69.9	70.8	32 700
		28.0	66.8	60.9	33 500			30.0	68.2	70.0	29 200
		30.0	64.8	60.0	30 000			32.0	66.5	69.2	26 200
		32.0	62.8	59.0	27 100			34.0	64.7	68.2	23 500
		34.0	60.8	57.9	24 400			36.0	63.0	67.2	21 300
		36.0	58.7	56.7	22 200			12.2	83.0	78.0	80 800*
		38.0	56.6	55.4	20 200			13.0	82.4	77.8	79 100*
								14.0	81.6	77.7	76 700*
								15.0	80.8	77.5	74 200*
								16.0	80.1	77.3	71 900*
								18.0	78.5	76.9	65 100
								20.0	77.0	76.5	55 700
								22.0	75.4	76.0	48 300
								24.0	73.9	75.4	42 300
								26.0	72.3	74.8	37 300
								28.0	70.7	74.1	33 200
								30.0	69.1	73.3	29 700
								32.0	67.5	72.5	26 700
								34.0	65.8	71.6	24 100
								36.0	64.2	70.6	21 800

MANITOWOC ENGINEERING CO.

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



LIFT CRANE BOOM CAPACITIES

JAPANESE
CODES

M-250 SERIES 2

BOOM NO. 44 WITH HEAVY LIFT TOP

32 mm HOIST LINE

28 mm WHIP LINE

93 890 kg CRANE COUNTERWEIGHT

27 220 kg CARBODY COUNTERWEIGHT

360 DEGREE RATING

BOOM LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	BOOM CAPACITY KILOGRAMS
7 9 · 2	2 6 0	12.8	82.8	81.0	74 000*
		13.0	82.7	80.9	73 500*
		14.0	81.9	80.8	71 300*
		15.0	81.2	80.6	69 000*
		16.0	80.5	80.4	66 800*
		18.0	79.0	80.1	62 600*
		20.0	77.5	79.6	55 500
		22.0	76.0	79.1	47 900
		24.0	74.5	78.6	41 900
		26.0	73.0	78.0	37 000
		28.0	71.5	77.3	32 900
		30.0	69.9	76.6	29 300
		32.0	68.4	75.8	26 400
		34.0	66.8	74.9	23 700
		36.0	65.2	74.0	21 400
8 2 · 3	2 7 0	13.4	82.6	83.9	66 500*
		14.0	82.2	83.9	65 400*
		15.0	81.5	83.7	63 400*
		16.0	80.8	83.5	61 400*
		18.0	79.4	83.2	57 600*
		20.0	78.0	82.7	53 900
		22.0	76.5	82.3	48 100
		24.0	75.1	81.7	41 900
		26.0	73.7	81.2	37 000
		28.0	72.2	80.5	32 800
		30.0	70.7	79.8	29 300
		32.0	69.2	79.1	26 300
		34.0	67.7	78.3	23 700
		36.0	66.2	77.4	21 400
8 5 · 3	2 8 0	13.4	82.9	87.0	63 700*
		14.0	82.5	86.9	63 300*
		15.0	81.8	86.8	62 700*
		16.0	81.1	86.6	61 300*
		18.0	79.8	86.3	58 500*
		20.0	78.4	85.9	55 800
		22.0	77.0	85.4	48 100
		24.0	75.6	84.9	42 000
		26.0	74.3	84.3	37 000
		28.0	72.8	83.7	32 900
		30.0	71.4	83.1	29 300
		32.0	70.0	82.3	26 300
		34.0	68.6	81.6	23 600
		36.0	67.1	80.7	21 300
8 8 · 4	2 9 0	14.0	82.7	90.0	59 600*
		15.0	82.1	89.9	58 800*
		16.0	81.5	89.7	57 900*
		18.0	80.1	89.4	56 400*
		20.0	78.8	89.0	54 300
		22.0	77.5	88.5	47 900
		24.0	76.2	88.0	41 700
		26.0	74.8	87.5	36 700
		28.0	73.5	86.9	32 600
		30.0	72.1	86.3	29 000
		32.0	70.7	85.6	26 000
		34.0	69.3	84.8	23 300