

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
28 mm HOIST AND 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-B 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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360 DEGREE RATING

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	215 200*	3 0 · 5	1 0 0	6.7	82.8	32.6	215 200*
		6.0	81.5	23.4	215 200*			7.0	82.2	32.5	215 200*
		6.5	80.2	23.3	215 200*			7.5	81.2	32.4	211 900*
		7.0	78.8	23.2	215 200*			8.0	80.3	32.3	199 800*
		7.5	77.4	23.1	212 500*			8.5	79.3	32.2	188 300*
		8.0	76.0	22.9	201 100*			9.0	78.4	32.1	178 100*
		8.5	74.6	22.8	189 700*			10.0	76.4	31.9	160 000
		9.0	73.2	22.6	179 400*			11.0	74.5	31.6	139 600
		10.0	70.3	22.2	161 100			12.0	72.5	31.2	122 100
		11.0	67.4	21.8	140 000			13.0	70.5	30.9	108 300
		12.0	64.4	21.3	122 700			14.0	68.5	30.5	97 100
		13.0	61.3	20.7	108 900			15.0	66.4	30.0	87 900
		14.0	58.1	20.1	97 800			16.0	64.3	29.5	80 100
		15.0	54.8	19.4	88 600			18.0	60.0	28.4	67 700
		16.0	51.4	18.5	80 900			20.0	55.4	27.0	58 400
		18.0	43.8	16.6	68 600			22.0	50.6	25.4	51 100
		20.0	34.8	13.9	59 100			24.0	45.4	23.5	45 300
2 4 · 4	8 0	6.1	82.4	26.5	215 200*	3 3 · 5	1 1 0	26.0	39.7	21.2	40 500
		6.5	81.4	26.4	215 200*			28.0	33.1	18.3	36 600
		7.0	80.2	26.3	215 200*			7.0	82.9	35.6	169 600*
		7.5	79.0	26.2	212 200*			7.5	82.0	35.5	167 700*
		8.0	77.8	26.1	200 600*			8.0	81.2	35.4	166 000*
		8.5	76.6	26.0	189 200*			8.5	80.3	35.3	164 300*
		9.0	75.4	25.8	178 900*			9.0	79.4	35.2	162 700*
		10.0	72.9	25.5	160 700			10.0	77.7	35.0	158 300
		11.0	70.4	25.1	139 900			11.0	75.9	34.7	139 700
		12.0	67.8	24.7	122 500			12.0	74.1	34.4	122 300
		13.0	65.2	24.2	108 700			13.0	72.3	34.1	108 400
		14.0	62.6	23.7	97 600			14.0	70.5	33.8	97 200
		15.0	59.8	23.1	88 400			15.0	68.7	33.3	88 000
		16.0	57.0	22.4	80 600			16.0	66.8	32.9	80 200
		18.0	51.1	20.8	68 300			18.0	63.0	31.9	67 800
		20.0	44.5	18.9	59 100			20.0	59.0	30.7	58 500
		22.0	37.0	16.4	51 800			22.0	54.9	29.3	51 200
		24.0	27.6	13.0	43 700			24.0	50.5	27.7	45 300
2 7 · 4	9 0	6.4	82.6	29.5	215 200*	3 6 · 6	1 2 0	26.0	45.8	25.8	40 500
		6.5	82.4	29.5	215 200*			28.0	40.6	23.6	36 500
		7.0	81.3	29.4	215 200*			30.0	34.9	20.9	33 100
		7.5	80.3	29.3	212 000*			32.0	28.0	17.4	30 300
		8.0	79.2	29.2	200 300*			7.3	83.0	38.6	164 700*
		8.5	78.1	29.1	188 800*			7.5	82.7	38.6	164 100*
		9.0	77.0	29.0	178 600*			8.0	81.9	38.5	162 400*
		10.0	74.9	28.7	160 500			8.5	81.1	38.4	160 800*
		11.0	72.7	28.4	139 800			9.0	80.3	38.3	159 300*
		12.0	70.4	28.0	122 300			10.0	78.7	38.1	156 000
		13.0	68.2	27.6	108 600			11.0	77.1	37.9	139 700
		14.0	65.9	27.1	97 400			12.0	75.5	37.6	122 100
		15.0	63.5	26.6	88 200			13.0	73.9	37.3	108 300
		16.0	61.1	26.0	80 400			14.0	72.2	37.0	97 100
		18.0	56.1	24.7	68 100			15.0	70.5	36.6	87 800
		20.0	50.8	23.1	58 900			16.0	68.9	36.2	80 000
		22.0	45.0	21.2	51 600			18.0	65.4	35.3	67 600
		24.0	38.5	18.8	45 800			20.0	61.9	34.3	58 300
								22.0	58.2	33.1	50 900
								24.0	54.4	31.7	45 000
								26.0	50.4	30.0	40 200
								28.0	46.1	28.2	36 100
								30.0	41.4	26.0	32 700
								32.0	36.3	23.4	29 800
								34.0	30.3	20.1	27 300

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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	121 600
		11.0	78.1	41.0	139 500			13.0	78.0	50.0	107 700
		12.0	76.6	40.8	121 900			14.0	76.8	49.7	96 400
		13.0	75.1	40.5	108 100			15.0	75.6	49.4	87 100
		14.0	73.6	40.2	96 900			16.0	74.3	49.2	79 200
		15.0	72.1	39.9	87 600			18.0	71.9	48.5	66 800
		16.0	70.6	39.5	79 700			20.0	69.4	47.8	57 400
		18.0	67.4	38.7	67 400			22.0	66.8	46.9	50 000
		20.0	64.2	37.7	58 000			24.0	64.2	46.0	44 100
		22.0	60.9	36.6	50 700			26.0	61.5	44.9	39 200
		24.0	57.5	35.4	44 800			28.0	58.8	43.7	35 100
		26.0	54.0	34.0	40 000			30.0	56.0	42.4	31 600
		28.0	50.3	32.3	35 900			32.0	53.1	40.9	28 600
		30.0	46.3	30.5	32 500			34.0	50.0	39.2	26 100
		32.0	42.0	28.3	29 600			36.0	46.8	37.4	23 800
		34.0	37.4	25.8	27 100			38.0	43.4	35.3	21 900
4 2 · 7	1 4 0	36.0	32.2	22.8	24 900	5 1 · 8	1 7 0	40.0	39.8	33.0	20 100
		38.0	25.9	19.0	23 000			42.0	35.9	30.3	18 500
		8.2	82.8	44.7	154 800*			44.0	31.6	27.2	17 200
		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	139 500			12.0	79.8	53.3	120 500
		12.0	77.6	43.9	121 900			13.0	78.7	53.1	107 500
		13.0	76.2	43.7	108 000			14.0	77.6	52.9	96 200
		14.0	74.8	43.4	96 700			15.0	76.4	52.6	86 900
		15.0	73.4	43.1	87 400			16.0	75.3	52.3	79 000
		16.0	72.0	42.8	79 600			18.0	73.0	51.7	66 600
		18.0	69.1	42.0	67 200			20.0	70.6	51.0	57 200
		20.0	66.2	41.1	57 800			22.0	68.3	50.2	49 800
		22.0	63.2	40.1	50 400			24.0	65.8	49.4	43 800
		24.0	60.1	39.0	44 500			26.0	63.4	48.4	38 900
		26.0	56.9	37.7	39 700			28.0	60.8	47.3	34 900
		28.0	53.6	36.3	35 600			30.0	58.3	46.0	31 400
		30.0	50.2	34.6	32 200			32.0	55.6	44.7	28 400
4 5 · 7	1 5 0	32.0	46.5	32.8	29 200			34.0	52.8	43.2	25 900
		34.0	42.6	30.7	26 700			36.0	50.0	41.5	23 600
		36.0	38.3	28.2	24 500			38.0	47.0	39.7	21 600
		38.0	33.6	25.3	22 500			40.0	43.8	37.7	19 900
		8.5	82.9	47.7	136 900*			42.0	40.4	35.4	18 300
		9.0	82.3	47.6	135 500*			44.0	36.8	32.8	17 000
		10.0	81.0	47.5	132 800*						
		11.0	79.7	47.3	130 400						
		12.0	78.5	47.1	122 700						
		13.0	77.2	46.8	107 800						
		14.0	75.9	46.6	96 500						
		15.0	74.6	46.3	87 200						
		16.0	73.3	46.0	79 400						
		18.0	70.6	45.3	67 000						
		20.0	67.9	44.5	57 600						
		22.0	65.2	43.6	50 200						
		24.0	62.3	42.5	44 300						
		26.0	59.4	41.4	39 400						
		28.0	56.4	40.0	35 300						
		30.0	53.3	38.6	31 900						
		32.0	50.1	36.9	28 900						
		34.0	46.7	35.1	26 400						
		36.0	43.0	33.0	24 200						
		38.0	39.1	30.6	22 200						
		40.0	34.9	27.8	20 500						
		42.0	30.1	24.6	19 000						

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5 4 · 9	1 8 0	9.8	82.8	56.8	124 200*	6 4 · 0	2 1 0	11.0	82.7	65.8	101 800*
		10.0	82.5	56.7	123 800*			12.0	81.8	65.7	100 500*
		11.0	81.5	56.6	122 000*			13.0	80.9	65.5	98 300*
		12.0	80.4	56.4	119 300			14.0	80.0	65.3	94 600*
		13.0	79.3	56.2	107 200			15.0	79.1	65.1	86 100
		14.0	78.3	56.0	95 900			16.0	78.1	64.9	78 200
		15.0	77.2	55.7	86 600			18.0	76.3	64.4	65 700
		16.0	76.1	55.5	78 700			20.0	74.4	63.9	56 200
		18.0	74.0	54.9	66 200			22.0	72.6	63.2	48 800
		20.0	71.8	54.3	56 800			24.0	70.7	62.5	42 800
		22.0	69.5	53.5	49 400			26.0	68.8	61.8	37 900
		24.0	67.3	52.7	43 500			28.0	66.8	60.9	33 800
		26.0	65.0	51.8	38 600			30.0	64.8	60.0	30 300
		28.0	62.6	50.7	34 500			32.0	62.8	59.0	27 400
		30.0	60.2	49.6	31 000			34.0	60.8	57.9	24 700
		32.0	57.8	48.4	28 000			36.0	58.7	56.7	22 500
		34.0	55.2	47.0	25 500			38.0	56.6	55.4	20 500
		36.0	52.6	45.5	23 200	6 7 · 1	2 2 0	11.6	82.5	68.8	98 200*
		38.0	49.9	43.8	21 200			12.0	82.2	68.7	97 300*
		40.0	47.1	42.0	19 500			13.0	81.3	68.6	93 900*
		42.0	44.1	40.0	17 900			14.0	80.4	68.4	90 400*
5 7 · 9	1 9 0	10.4	82.6	59.7	109 100*			15.0	79.6	68.2	85 900
		11.0	81.9	59.7	107 900*			16.0	78.7	68.0	78 600
		12.0	80.9	59.5	106 200*			18.0	76.9	67.6	65 600
		13.0	79.9	59.3	104 200			20.0	75.2	67.0	56 100
		14.0	78.9	59.1	96 000			22.0	73.4	66.4	48 700
		15.0	77.9	58.9	86 600			24.0	71.6	65.8	42 700
		16.0	76.9	58.6	78 700			26.0	69.8	65.1	37 800
		18.0	74.8	58.1	66 200			28.0	67.9	64.2	33 600
		20.0	72.8	57.5	56 800			30.0	66.1	63.4	30 100
		22.0	70.7	56.8	49 400			32.0	64.2	62.4	27 100
		24.0	68.5	56.0	43 400			34.0	62.2	61.4	24 500
		26.0	66.4	55.1	38 500	7 0 · 1	2 3 0	36.0	60.3	60.2	22 300
		28.0	64.2	54.2	34 400			38.0	58.3	59.0	20 200
		30.0	61.9	53.1	31 000			11.6	82.9	71.9	87 200*
		32.0	59.7	52.0	28 000			12.0	82.5	71.8	86 700*
		34.0	57.3	50.7	25 400			13.0	81.7	71.7	85 500*
		36.0	54.9	49.3	23 100			14.0	80.9	71.5	84 500*
		38.0	52.4	47.8	21 100			15.0	80.0	71.3	81 900*
		40.0	49.9	46.1	19 300			16.0	79.2	71.1	77 700
6 1 · 0	2 0 0	10.4	82.9	62.8	105 500*			18.0	77.5	70.7	65 700
		11.0	82.3	62.7	104 500*			20.0	75.8	70.2	56 000
		12.0	81.4	62.6	102 900*			22.0	74.1	69.6	48 500
		13.0	80.4	62.4	101 500*			24.0	72.4	69.0	42 500
		14.0	79.5	62.2	95 800			26.0	70.7	68.3	37 600
		15.0	78.5	62.0	86 300			28.0	68.9	67.5	33 500
		16.0	77.5	61.8	78 400			30.0	67.2	66.7	30 000
		18.0	75.6	61.3	65 900			32.0	65.4	65.8	27 000
		20.0	73.6	60.7	56 500			34.0	63.6	64.8	24 400
		22.0	71.7	60.0	49 100			36.0	61.7	63.7	22 100
		24.0	69.7	59.3	43 100			38.0	59.8	62.6	20 000
		26.0	67.6	58.5	38 200						
		28.0	65.6	57.6	34 100						
		30.0	63.5	56.6	30 600						
		32.0	61.3	55.5	27 600						
		34.0	59.2	54.3	25 000						
		36.0	56.9	53.0	22 700						
		38.0	54.6	51.6	20 700						

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JAPANESE
CODES

M-250 SERIES 2

BOOM NO. 44 WITH HEAVY LIFT TOP

28 mm HOIST AND 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 3 · 2	2 4 0	12.2	82.7	74.9	83 800*
		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	75 000
		18.0	78.0	73.8	65 700
		20.0	76.4	73.3	55 700
		22.0	74.8	72.8	48 200
		24.0	73.2	72.2	42 200
		26.0	71.5	71.5	37 300
		28.0	69.9	70.8	33 100
		30.0	68.2	70.0	29 600
		32.0	66.5	69.2	26 600
		34.0	64.7	68.2	24 000
		36.0	63.0	67.2	21 700
7 6 · 2	2 5 0	12.2	83.0	78.0	77 000*
		13.0	82.4	77.8	77 000*
		14.0	81.6	77.7	77 000*
		15.0	80.8	77.5	74 600*
		16.0	80.1	77.3	72 200*
		18.0	78.5	76.9	65 500
		20.0	77.0	76.5	56 200
		22.0	75.4	76.0	48 700
		24.0	73.9	75.4	42 700
		26.0	72.3	74.8	37 800
		28.0	70.7	74.1	33 600
		30.0	69.1	73.3	30 100
		32.0	67.5	72.5	27 100
		34.0	65.8	71.6	24 500
		36.0	64.2	70.6	22 200
		38.0	62.5	69.6	20 200
7 9 · 2	2 6 0	12.8	82.8	81.0	74 400*
		13.0	82.7	80.9	73 900*
		14.0	81.9	80.8	71 700*
		15.0	81.2	80.6	69 400*
		16.0	80.5	80.4	67 200*
		18.0	79.0	80.1	63 000*
		20.0	77.5	79.6	56 000
		22.0	76.0	79.1	48 400
		24.0	74.5	78.6	42 400
		26.0	73.0	78.0	37 400
		28.0	71.5	77.3	33 300
		30.0	69.9	76.6	29 800
		32.0	68.4	75.8	26 800
		34.0	66.8	74.9	24 200
		36.0	65.2	74.0	21 800
8 2 · 3	2 7 0	13.4	82.6	83.9	66 500*
		14.0	82.2	83.9	65 300*
		15.0	81.5	83.7	63 400*
		16.0	80.8	83.5	61 400*
		18.0	79.4	83.2	57 700*
		20.0	78.0	82.7	54 000
		22.0	76.5	82.3	48 300
		24.0	75.1	81.7	42 000
		26.0	73.7	81.2	37 100
		28.0	72.2	80.5	32 900
		30.0	70.7	79.8	29 400
		32.0	69.2	79.1	26 400
		34.0	67.7	78.3	23 800
		36.0	66.2	77.4	21 500

BOOM LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	BOOM CAPACITY KILOGRAMS
8 5 · 3	2 8 0	13.4	82.9	87.0	64 100*
		14.0	82.5	86.9	63 700*
		15.0	81.8	86.8	63 000*
		16.0	81.1	86.6	61 500*
		18.0	79.8	86.3	58 500*
		20.0	78.4	85.9	56 300
		22.0	77.0	85.4	48 500
		24.0	75.6	84.9	42 400
		26.0	74.3	84.3	37 400
		28.0	72.8	83.7	33 300
		30.0	71.4	83.1	29 700
		32.0	70.0	82.3	26 700
		34.0	68.6	81.6	24 000
		36.0	67.1	80.7	21 700
8 8 · 4	2 9 0	14.0	82.7	90.0	59 800*
		15.0	82.1	89.9	59 200*
		16.0	81.5	89.7	58 300*
		18.0	80.1	89.4	56 800*
		20.0	78.8	89.0	54 300
		22.0	77.5	88.5	48 400
		24.0	76.2	88.0	42 100
		26.0	74.8	87.5	37 200
		28.0	73.5	86.9	33 000
		30.0	72.1	86.3	29 400
		32.0	70.7	85.6	26 400
		34.0	69.3	84.8	23 800
		36.0	67.9	84.0	21 400