



LIFTCRANE BOOM CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

888 SERIES 2

**BOOM NO. 22E WITH OPEN THROAT TOP
OFFSET 4-1/2 DEGREES**

**81 240 kg CRANE COUNTERWEIGHT
19 960 kg CARBODY COUNTERWEIGHT
8 585 mm CRAWLERS EXTENDED
RATING OVER FRONT OF BLOCKED CRAWLERS
NO TRAVEL - LIMITED SWING**

CAPACITIES FOR VARIOUS BOOM LENGTHS AND OPERATING RADII ARE FOR FREELY SUSPENDED LOADS AND DO NOT EXCEED 75% OF A STATIC TIPPING LOAD OVER FRONT OF MACHINE WITH CRAWLERS EXTENDED AND BLOCKED. 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 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, CRAWLERS FULLY EXTENDED, AND FRONT TUMBLER PROPERLY BLOCKED SO THAT CENTERLINE OF IDLER TUMBLER BECOMES TIPPING FULCRUM. DRIVE MOTORS MUST BE TO REAR OF MACHINE. SWING IS LIMITED TO THAT SECTOR SHOWN ON OPERATING RANGE DIAGRAM NO. 7770-A. 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 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 LIVE MAST, 20 PART BOOM HOIST REEVING, FOUR 35 mm BOOM PENDANTS, 81 240 kg CRANE COUNTERWEIGHT AND 19 960 kg CARBODY COUNTERWEIGHT.

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 OVER FRONT OF BLOCKED CRAWLERS WITHOUT AUXILIARY DRUM IN BOOM BUTT	
BOOM LENGTH	JIB NO. 123
(a) 88.4m	---
(a) 85.3m	---
82.3m	---
79.2m	15.2m
76.2m	18.3m
LOAD BLOCK, HOOK AND WEIGHT BALL ON GROUND AT START. (a) UPPER BOOM POINT CANNOT BE USED ON 88.4m AND 85.3m BOOM. WIRE ROPE GUIDE 179061 UPPER AND MIDDLE SHEAVES AND SHAFTS OR ASSEMBLY 92671 UPPER SHEAVE AND SHAFT MUST BE REMOVED ON 88.4m BOOM.	

MAXIMUM BOOM AND JIB LENGTHS LIFTED UNASSISTED OVER FRONT OF BLOCKED CRAWLERS WITH AUXILIARY DRUM IN BOOM BUTT	
BOOM LENGTH	JIB NO. 123
(a) 85.3m	---
82.3m	---
79.2m	12.2m
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.

MANITOWOC ENGINEERING CO.

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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		
213	70	5.2	82.8	23.6	186 200*	335	110	6.7	82.8	35.7	120 800*		
		5.5	82.0	23.5	176 100*			7.0	82.3	35.6	118 900*		
		6.0	80.6	23.4	162 200*			8.0	80.6	35.4	113 000*		
		7.0	77.9	23.2	139 900*			9.0	78.8	35.2	107 200*		
		8.0	75.1	22.9	122 800*			10.0	77.1	35.0	97 000*		
		9.0	72.2	22.5	109 200*			11.0	75.3	34.7	87 900*		
		10.0	69.4	22.1	98 200*			12.0	73.5	34.4	80 300*		
		11.0	66.4	21.7	89 200*			13.0	71.7	34.0	73 800*		
		12.0	63.4	21.1	81 500*			14.0	69.9	33.7	68 200*		
		13.0	60.3	20.5	75 000*			15.0	68.1	33.2	63 300*		
		14.0	57.0	19.9	69 300*			16.0	66.2	32.8	58 900*		
		15.0	53.7	19.1	64 400*			18.0	62.3	31.7	50 800*		
		16.0	50.1	18.2	59 800*			20.0	58.3	30.5	43 700*		
		18.0	42.4	16.1	51 000*			22.0	54.2	29.1	38 200*		
		20.0	33.0	13.3	42 900*			24.0	49.7	27.4	33 800*		
244	80	5.5	83.0	26.6	155 900*	366	120	26.0	44.9	25.5	30 200*		
		6.0	81.8	26.5	151 800*			28.0	39.7	23.1	27 100*		
		7.0	79.4	26.3	140 600*			30.0	33.7	20.3	24 600*		
		8.0	77.0	26.0	122 500*			32.0	26.6	16.6	22 300*		
		9.0	74.5	25.7	108 900*			366	120	7.3	82.5	38.6	113 200*
		10.0	72.1	25.4	98 000*					8.0	81.4	38.5	109 300*
		11.0	69.5	25.0	88 900*					9.0	79.8	38.3	104 100*
		12.0	67.0	24.6	81 200*					10.0	78.2	38.1	97 000*
		13.0	64.4	24.1	74 700*					11.0	76.6	37.9	87 700*
		14.0	61.7	23.5	69 100*					12.0	75.0	37.6	80 000*
		15.0	58.9	22.9	64 200*					13.0	73.3	37.3	73 500*
		16.0	56.0	22.2	59 700*					14.0	71.7	36.9	67 900*
18.0	50.0	20.5	51 100*	15.0	70.0	36.5	63 000*						
20.0	43.3	18.5	43 900*	16.0	68.3	36.1	58 700*						
22.0	35.5	15.8	38 500*	18.0	64.8	35.2	50 600*						
24.0	25.6	12.1	31 900*	20.0	61.3	34.1	43 500*						
274	90	6.1	82.5	29.6	136 800*	396	120	22.0	57.6	32.8	38 000*		
		7.0	80.6	29.4	130 600*			24.0	53.7	31.4	33 700*		
		8.0	78.5	29.2	122 400*			26.0	49.7	29.7	30 100*		
		9.0	76.3	28.9	108 600*			28.0	45.3	27.8	27 000*		
		10.0	74.1	28.6	97 600*			30.0	40.6	25.5	24 500*		
		11.0	71.9	28.3	88 500*			32.0	35.3	22.8	22 200*		
		12.0	69.7	27.9	80 900*			34.0	29.1	19.4	20 300*		
		13.0	67.4	27.5	74 400*			36.0	21.4	14.9	17 800*		
		14.0	65.1	27.0	68 800*			396	130	7.9	82.2	41.6	106 500*
		15.0	62.7	26.4	63 800*					8.0	82.1	41.6	106 100*
		16.0	60.3	25.8	59 400*					9.0	80.6	41.4	101 000*
18.0	55.3	24.5	51 000*	10.0	79.1	41.2	95 900*						
20.0	49.9	22.8	43 900*	11.0	77.6	41.0	87 500*						
22.0	44.0	20.8	38 400*	12.0	76.1	40.7	79 900*						
24.0	37.3	18.3	34 000*	13.0	74.6	40.5	73 400*						
26.0	29.2	15.0	30 300*	14.0	73.1	40.1	67 700*						
305	100	6.7	82.1	32.6	126 800*	396	130			15.0	71.6	39.8	62 900*
		7.0	81.5	32.5	124 900*					16.0	70.1	39.4	58 500*
		8.0	79.6	32.3	118 700*					18.0	66.9	38.6	50 600*
		9.0	77.7	32.1	108 700*			20.0	63.7	37.6	43 500*		
		10.0	75.8	31.8	97 400*			22.0	60.4	36.5	38 000*		
		11.0	73.8	31.5	88 400*			24.0	56.9	35.2	33 600*		
		12.0	71.8	31.2	80 700*			26.0	53.4	33.7	30 000*		
		13.0	69.8	30.8	74 200*			28.0	49.6	32.0	27 000*		
		14.0	67.8	30.3	68 600*			30.0	45.6	30.1	24 400*		
		15.0	65.7	29.9	63 600*			32.0	41.3	27.9	22 200*		
		16.0	63.6	29.4	59 300*			34.0	36.5	25.3	20 300*		
		18.0	59.2	28.2	51 000*			36.0	31.1	22.1	18 600*		
		20.0	54.7	26.8	43 800*			38.0	24.7	18.1	16 800*		
		22.0	49.8	25.1	38 300*								
		24.0	44.5	23.1	33 900*								
26.0	38.6	20.7	30 300*										
28.0	31.8	17.7	27 300*										
30.0	23.1	13.5	23 900*										

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4 2 · 7	1 4 0	7.9	82.7	44.7	103 600*	4 8 · 8	1 6 0	30.0	55.5	42.1	23 900
		8.0	82.6	44.7	103 200*			32.0	52.6	40.6	21 700
		9.0	81.3	44.5	98 200*			34.0	49.5	38.9	19 800
		10.0	79.9	44.3	93 700*			36.0	46.3	37.0	18 100
		11.0	78.5	44.1	87 200*			38.0	42.8	34.9	16 600
		12.0	77.2	43.9	79 600*			40.0	39.2	32.5	15 300
		13.0	75.8	43.6	73 100*			42.0	35.2	29.8	14 100
		14.0	74.4	43.3	67 500*			44.0	30.7	26.5	13 000
		15.0	73.0	43.0	62 600*			46.0	25.6	22.6	11 800*
		16.0	71.5	42.7	58 300*			48.0	19.0	17.4	10 000*
	18.0	68.7	41.9	50 400	5 1 · 8		1 7 0	9.1	82.7	53.8	88 600*
	20.0	65.7	41.0	43 400				10.0	81.7	53.6	85 800*
	22.0	62.7	40.0	37 900				11.0	80.6	53.5	82 500*
	24.0	59.6	38.8	33 500				12.0	79.5	53.3	78 500*
	26.0	56.4	37.5	29 900				13.0	78.3	53.1	72 100*
	28.0	53.1	36.0	26 900				14.0	77.2	52.8	66 600*
	30.0	49.6	34.3	24 300				15.0	76.0	52.6	61 600*
	32.0	45.8	32.4	22 100				16.0	74.9	52.3	57 300*
	34.0	41.9	30.2	20 200				18.0	72.6	51.7	49 800
	36.0	37.6	27.7	18 500				20.0	70.2	50.9	42 900
38.0	32.7	24.7	17 000	22.0	67.9	50.1	37 400				
40.0	27.1	21.1	15 600	24.0	65.4	49.2	33 000				
42.0	20.1	16.2	13 500*	26.0	63.0	48.2	29 400				
4 5 · 7	1 5 0	8.5	82.4	47.7	97 600*	28.0	60.4	47.1	26 400		
		9.0	81.9	47.6	95 500*	30.0	57.8	45.8	23 800		
		10.0	80.6	47.4	91 100*	32.0	55.1	44.4	21 500		
		11.0	79.3	47.2	86 900*	34.0	52.3	42.9	19 700		
		12.0	78.0	47.0	79 200*	36.0	49.5	41.2	18 000		
		13.0	76.7	46.8	72 700*	38.0	46.4	39.3	16 500		
		14.0	75.4	46.5	67 100*	40.0	43.2	37.3	15 200		
		15.0	74.1	46.2	62 200*	42.0	39.8	34.9	14 000		
	16.0	72.8	45.9	57 900*	44.0	36.1	32.2	12 900			
	18.0	70.2	45.2	50 200	46.0	32.1	29.2	11 900			
	20.0	67.5	44.3	43 200	48.0	27.5	25.5	10 900			
	22.0	64.7	43.4	37 700	50.0	22.0	20.9	9 400*			
	24.0	61.8	42.3	33 300	5 4 · 9	1 8 0	9.8	82.4	56.8	83 100*	
	26.0	58.9	41.1	29 600			10.0	82.2	56.7	82 500*	
	28.0	55.9	39.8	26 600			11.0	81.1	56.6	79 700*	
	30.0	52.8	38.3	24 100			12.0	80.0	56.4	76 900*	
32.0	49.5	36.6	21 900	13.0			79.0	56.2	71 900*		
34.0	46.1	34.7	19 900	14.0			77.9	55.9	66 200*		
36.0	42.4	32.6	18 300	15.0			76.8	55.7	61 300*		
38.0	38.4	30.1	16 800	16.0			75.8	55.4	57 000*		
40.0	34.1	27.3	15 500	18.0	73.6	54.9	49 600				
42.0	29.1	23.9	14 200	20.0	71.4	54.2	42 700				
44.0	23.2	19.5	12 600	22.0	69.2	53.4	37 200				
4 8 · 8	1 6 0	8.5	82.9	50.8	94 500*	24.0	66.9	52.6	32 800		
		9.0	82.4	50.7	92 600*	26.0	64.6	51.6	29 200		
		10.0	81.2	50.5	88 700*	28.0	62.2	50.6	26 200		
		11.0	80.0	50.4	84 800*	30.0	59.8	49.4	23 600		
		12.0	78.8	50.2	79 100*	32.0	57.3	48.2	21 400		
		13.0	77.6	49.9	72 400*	34.0	54.8	46.8	19 500		
	14.0	76.4	49.7	66 800*	36.0	52.2	45.2	17 800			
	15.0	75.2	49.4	61 900*	38.0	49.4	43.5	16 300			
	16.0	73.9	49.1	57 500*	40.0	46.6	41.7	15 000			
	18.0	71.5	48.4	50 000	42.0	43.6	39.6	13 800			
	20.0	68.9	47.7	43 000	44.0	40.4	37.3	12 700			
	22.0	66.4	46.8	37 500	46.0	37.0	34.7	11 800			
24.0	63.8	45.8	33 100	48.0	33.2	31.7	10 900				
26.0	61.1	44.7	29 500	50.0	29.1	28.3	10 000				
28.0	58.3	43.5	26 400	52.0	24.3	24.1	8 700*				

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57.9	190	9.8	82.8	59.8	79 100*	64.0	210	11.0	82.4	65.8	69 100*
		10.0	82.6	59.8	78 500*			12.0	81.5	65.7	67 300*
		11.0	81.6	59.7	76 100*			13.0	80.6	65.5	65 600*
		12.0	80.6	59.5	73 800*			14.0	79.7	65.3	63 900*
		13.0	79.6	59.3	71 100*			15.0	78.8	65.1	60 500*
		14.0	78.6	59.1	65 800*			16.0	77.8	64.9	56 000*
		15.0	77.5	58.8	60 900*			18.0	76.0	64.4	48 900*
		16.0	76.5	58.6	56 600*			20.0	74.1	63.8	42 200
		18.0	74.5	58.0	49 400			22.0	72.3	63.2	36 700
		20.0	72.4	57.4	42 500			24.0	70.4	62.5	32 300
		22.0	70.3	56.7	37 000			26.0	68.4	61.7	28 600
		24.0	68.2	55.9	32 600			28.0	66.5	60.8	25 600
		26.0	66.0	55.0	29 000			30.0	64.5	59.8	23 000
		28.0	63.8	54.0	25 900			32.0	62.5	58.8	20 800
		30.0	61.6	53.0	23 400			34.0	60.4	57.7	18 900
		32.0	59.3	51.8	21 200			36.0	58.3	56.5	17 200
		34.0	56.9	50.5	19 200			38.0	56.2	55.1	15 700
		36.0	54.5	49.1	17 500			40.0	54.0	53.7	14 400
		38.0	52.0	47.5	16 100			42.0	51.7	52.1	13 200
		40.0	49.4	45.8	14 800			44.0	49.4	50.4	12 200
42.0	46.7	44.0	13 600	46.0	46.9	48.6	11 200				
44.0	43.9	41.9	12 500	48.0	44.4	46.6	10 300				
46.0	40.9	39.6	11 500	50.0	41.7	44.3	9 500				
48.0	37.7	37.1	10 600	52.0	38.9	41.9	8 700				
50.0	34.2	34.3	9 800	54.0	35.9	39.2	8 100				
52.0	30.4	31.0	9 100	56.0	32.6	36.2	7 400				
54.0	26.1	27.1	7 900*	58.0	29.1	32.7	6 400*				
56.0	21.0	22.3	6 600*	60.0	25.0	28.6	5 400*				
				62.0	20.2	23.6	4 400*				
61.0	200	10.4	82.6	62.8	73 900*	67.1	220	11.0	82.8	68.9	64 600*
		11.0	82.0	62.7	72 700*			12.0	81.9	68.8	63 900*
		12.0	81.1	62.6	70 700*			13.0	81.0	68.6	62 300*
		13.0	80.1	62.4	68 600*			14.0	80.1	68.4	60 900*
		14.0	79.1	62.2	65 500*			15.0	79.3	68.2	59 300*
		15.0	78.2	62.0	60 600*			16.0	78.4	68.0	56 600*
		16.0	77.2	61.7	56 300*			18.0	76.6	67.5	48 600*
		18.0	75.3	61.2	49 100*			20.0	74.9	67.0	42 100
		20.0	73.3	60.6	42 400			22.0	73.1	66.4	36 500
		22.0	71.3	59.9	36 800			24.0	71.3	65.7	32 100
		24.0	69.3	59.2	32 400			26.0	69.5	65.0	28 400
		26.0	67.3	58.4	28 800			28.0	67.6	64.1	25 400
		28.0	65.2	57.4	25 800			30.0	65.7	63.2	22 800
		30.0	63.1	56.4	23 200			32.0	63.8	62.3	20 600
		32.0	61.0	55.3	21 000			34.0	61.9	61.2	18 700
		34.0	58.8	54.1	19 000			36.0	59.9	60.0	17 000
		36.0	56.5	52.8	17 400			38.0	57.9	58.8	15 500
		38.0	54.2	51.4	15 900			40.0	55.9	57.4	14 200
		40.0	51.8	49.8	14 500			42.0	53.8	56.0	13 000
		42.0	49.4	48.1	13 300			44.0	51.6	54.4	11 900
44.0	46.8	46.3	12 300	46.0	49.3	52.7	11 000				
46.0	44.1	44.2	11 300	48.0	47.0	50.9	10 100				
48.0	41.3	42.0	10 400	50.0	44.6	48.9	9 300				
50.0	38.3	39.5	9 600	52.0	42.1	46.7	8 500				
52.0	35.1	36.7	8 900	54.0	39.4	44.3	7 800				
54.0	31.6	33.6	8 200	56.0	36.6	41.7	7 200				
56.0	27.7	29.9	7 100*	58.0	33.6	38.7	6 600				
58.0	23.2	25.6	6 000*	60.0	30.2	35.4	5 700*				
				62.0	26.6	31.6	4 800*				
				64.0	22.3	27.0	3 900*				

MANITOWOC ENGINEERING CO.

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



LIFT CRANE BOOM CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

888 SERIES 2

BOOM NO. 22E WITH OPEN THROAT TOP
OFFSET 4-1/2 DEGREES

81 240 kg CRANE COUNTERWEIGHT
19 960 kg CARBODY COUNTERWEIGHT
8 585 mm CRAWLERS EXTENDED
RATING OVER FRONT OF BLOCKED CRAWLERS
NO TRAVEL - LIMITED SWING

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
70.1	230	11.6	82.6	71.9	58 400*	76.2	250	12.2	82.7	78.0	47 900*
		12.0	82.2	71.8	58 300*			13.0	82.1	77.8	47 800*
		13.0	81.4	71.7	58 100*			14.0	81.3	77.7	47 500*
		14.0	80.6	71.5	57 700*			15.0	80.6	77.5	47 300*
		15.0	79.7	71.3	56 400*			16.0	79.8	77.3	47 100*
		16.0	78.9	71.1	54 600*			18.0	78.3	76.9	46 600*
		18.0	77.2	70.7	48 400*			20.0	76.7	76.4	41 600
		20.0	75.5	70.1	41 900			22.0	75.2	75.9	36 000
		22.0	73.8	69.6	36 300			24.0	73.6	75.3	31 500
		24.0	72.1	68.9	31 900			26.0	72.0	74.7	27 900
		26.0	70.4	68.2	28 200			28.0	70.4	74.0	24 900
		28.0	68.6	67.4	25 200			30.0	68.8	73.2	22 300
		30.0	66.9	66.6	22 600			32.0	67.2	72.4	20 000
		32.0	65.1	65.7	20 400			34.0	65.5	71.5	18 100
		34.0	63.2	64.7	18 500			36.0	63.9	70.5	16 400
		36.0	61.4	63.6	16 800			38.0	62.2	69.4	14 900
		38.0	59.5	62.4	15 300			40.0	60.4	68.3	13 600
		40.0	57.6	61.1	14 000			42.0	58.7	67.1	12 400
		42.0	55.6	59.8	12 800			44.0	56.9	65.8	11 300
		44.0	53.6	58.3	11 700			46.0	55.1	64.4	10 400
46.0	51.5	56.7	10 800	48.0	53.2	62.9	9 500				
48.0	49.3	55.0	9 900	50.0	51.3	61.3	8 700				
50.0	47.1	53.2	9 000	52.0	49.3	59.6	8 000				
52.0	44.8	51.2	8 300	54.0	47.3	57.8	7 300				
54.0	42.4	49.0	7 600	56.0	45.2	55.8	6 600				
56.0	39.9	46.7	7 000	58.0	43.0	53.7	6 000				
58.0	37.2	44.1	6 400	60.0	40.7	51.4	5 500				
60.0	34.4	41.2	5 800	62.0	38.3	48.9	5 000				
62.0	31.3	38.0	4 900*	64.0	35.7	46.2	4 300				
64.0	27.9	34.4	4 000*	66.0	33.0	43.2	3 500*				
66.0	24.0	30.1	3 200*	68.0	30.1	39.8	2 800*				
68.0	19.5	24.9	2 300*	70.0	26.9	36.0	2 100*				
73.2	240	12.2	82.4	74.9	52 700*	79.2	260	12.8	82.5	81.0	43 600*
		13.0	81.8	74.8	52 500*			13.0	82.4	80.9	43 600*
		14.0	81.0	74.6	52 300*			14.0	81.7	80.8	43 400*
		15.0	80.2	74.4	52 000*			15.0	80.9	80.6	43 200*
		16.0	79.4	74.2	51 800*			16.0	80.2	80.4	43 000*
		18.0	77.8	73.8	48 100*			18.0	78.7	80.0	42 500*
		20.0	76.2	73.3	41 700			20.0	77.3	79.6	41 600
		22.0	74.5	72.7	36 200			22.0	75.8	79.1	35 800
		24.0	72.9	72.1	31 700			24.0	74.3	78.5	31 300
		26.0	71.3	71.5	28 100			26.0	72.7	77.9	27 700
		28.0	69.6	70.7	25 000			28.0	71.2	77.2	24 600
		30.0	67.9	69.9	22 400			30.0	69.7	76.5	22 100
		32.0	66.2	69.0	20 200			32.0	68.1	75.7	19 800
		34.0	64.4	68.1	18 300			34.0	66.5	74.8	17 900
		36.0	62.7	67.0	16 600			36.0	65.0	73.9	16 200
		38.0	60.9	65.9	15 100			38.0	63.3	72.9	14 700
		40.0	59.1	64.7	13 800			40.0	61.7	71.8	13 400
		42.0	57.2	63.5	12 600			42.0	60.0	70.7	12 200
		44.0	55.3	62.1	11 500			44.0	58.3	69.4	11 200
		46.0	53.4	60.6	10 600			46.0	56.6	68.1	10 200
48.0	51.4	59.0	9 600	48.0	54.8	66.7	9 300				
50.0	49.3	57.3	8 900	50.0	53.0	65.2	8 500				
52.0	47.2	55.5	8 100	52.0	51.2	63.6	7 700				
54.0	45.0	53.5	7 400	54.0	49.3	61.9	7 000				
56.0	42.7	51.4	6 800	56.0	47.3	60.1	6 400				
58.0	40.3	49.0	6 200	58.0	45.3	58.1	5 800				
60.0	37.8	46.5	5 700	60.0	43.2	56.0	5 300				
62.0	35.1	43.7	5 000	62.0	41.0	53.8	4 800				
64.0	32.2	40.6	4 200*	64.0	38.7	51.3	4 300				
66.0	29.1	37.1	3 400*	66.0	36.3	48.6	3 500*				
68.0	25.5	33.1	2 600*	68.0	33.8	45.7	2 800*				
70.0	21.5	28.4	1 800*	70.0	31.0	42.5	2 200*				

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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
8 2 - 3	2 7 0	13.4	82.4	84.0	39 300*	8 8 - 4	2 9 0	14.0	82.5	90.0	32 700*
		14.0	82.0	83.9	39 100*			15.0	81.9	89.9	32 500*
		15.0	81.3	83.7	39 000*			16.0	81.2	89.7	32 400*
		16.0	80.6	83.5	38 800*			18.0	79.9	89.4	31 900*
		18.0	79.2	83.1	38 300*			20.0	78.6	89.0	31 500*
		20.0	77.7	82.7	37 900			22.0	77.3	88.5	31 000*
		22.0	76.3	82.2	36 100			24.0	75.9	88.0	29 900*
		24.0	74.9	81.7	31 100			26.0	74.6	87.5	27 100
		26.0	73.4	81.1	27 500			28.0	73.2	86.9	24 000
		28.0	71.9	80.4	24 400			30.0	71.9	86.2	21 500
		30.0	70.5	79.7	21 800			32.0	70.5	85.5	19 200
		32.0	69.0	79.0	19 600			34.0	69.1	84.7	17 300
		34.0	67.5	78.1	17 700			36.0	67.7	83.9	15 600
		36.0	65.9	77.2	16 000			38.0	66.3	83.0	14 100
		38.0	64.4	76.3	14 500			40.0	64.9	82.1	12 800
		40.0	62.8	75.3	13 200			42.0	63.4	81.1	11 600
		42.0	61.3	74.2	12 000			44.0	61.9	80.0	10 500
		44.0	59.6	73.0	10 900			46.0	60.5	78.9	9 500
		46.0	58.0	71.8	9 900			48.0	58.9	77.7	8 700
		48.0	56.3	70.4	9 100			50.0	57.4	76.4	7 800
		50.0	54.6	69.0	8 200			52.0	55.9	75.1	7 100
		52.0	52.9	67.5	7 500			54.0	54.3	73.7	6 400
		54.0	51.1	65.9	6 800			56.0	52.6	72.1	5 800
		56.0	49.3	64.2	6 200			58.0	51.0	70.5	5 200
		58.0	47.4	62.4	5 600			60.0	49.3	68.8	4 700
		60.0	45.5	60.4	5 100			62.0	47.5	67.0	4 100
		62.0	43.4	58.4	4 600			64.0	45.7	65.1	3 700
		64.0	41.4	56.1	4 100			66.0	43.8	63.0	3 200
66.0	39.2	53.7	3 500*	68.0	41.9	60.8	2 700*				
68.0	36.9	51.1	2 800*	70.0	39.9	58.4	2 000*				
70.0	34.4	48.2	2 100*								
8 5 - 3	2 8 0	13.4	82.7	87.0	35 900*						
		14.0	82.3	86.9	35 800*						
		15.0	81.6	86.8	35 600*						
		16.0	80.9	86.6	35 400*						
		18.0	79.5	86.3	35 000*						
		20.0	78.2	85.8	34 600*						
		22.0	76.8	85.4	33 900						
		24.0	75.4	84.8	31 200						
		26.0	74.0	84.3	27 300						
		28.0	72.6	83.7	24 200						
		30.0	71.2	83.0	21 600						
		32.0	69.8	82.2	19 400						
		34.0	68.3	81.4	17 500						
		36.0	66.9	80.6	15 800						
		38.0	65.4	79.7	14 300						
		40.0	63.9	78.7	13 000						
		42.0	62.4	77.7	11 700						
		44.0	60.8	76.5	10 700						
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		58.0	49.3	66.5	5 400						
		60.0	47.5	64.7	4 800						
		62.0	45.6	62.8	4 300						
		64.0	43.7	60.7	3 900						
66.0	41.6	58.5	3 400								
68.0	39.6	56.1	2 700*								
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