

MANITOWOC ENGINEERING CO.

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



LIFTCRANE BOOM CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

888 SERIES 1

BOOM NO. 22E WITH OPEN THROAT TOP 65 360 kg COUNTERWEIGHT 360 DEGREE RATING

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 (*). CAPACITIES ARE NOT SHOWN FOR BOOM POSITIONS WHICH, WITHOUT LOAD, PROVIDE LESS THAN REQUIRED ANSI B30.5 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. 7773-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. REFER TO OPERATORS MANUAL FOR OPERATING GUIDELINES.

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 LIVE MAST, 20 PART BOOM HOIST REEVING, FOUR 35 mm BOOM PENDANTS, AND 65 360 kg 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 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) 79.2m	---	(a) 76.2m	---	67.1m	---	64.0m	---
(a) 76.2m	---	73.2m	---	64.0m	12.2m	61.0m	9.1m
73.2m	---	70.1m	12.2m	61.0m	18.3m	57.9m	18.3m
70.1m	15.2m	67.1m	18.3m				
67.1m	18.3m						
LOAD BLOCK, HOOK AND WEIGHT BALL ON GROUND AT START. (a) UPPER BOOM POINT CANNOT BE USED ON 79.2m AND 76.2m BOOM. WIRE ROPE GUIDE ASSEMBLY 179061 UPPER AND MIDDLE SHEAVES AND SHAFTS OR ASSEMBLY 92671 UPPER SHEAVE AND SHAFT MUST BE REMOVED ON 79.2m BOOM WHEN LIFTED OVER FRONT 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) 76.2m	---	(a) 76.2m	---	67.1m	---	61.0m	---
73.2m	---	73.2m	---	64.0m	9.1m	57.9m	15.2m
70.1m	12.2m	70.1m	9.1m	61.0m	18.3m	54.9m	18.3m
67.1m	18.3m	67.1m	18.3m				
LOAD BLOCK, HOOK AND WEIGHT BALL ON GROUND AT START. (a) UPPER BOOM POINT CANNOT BE USED ON 76.2m BOOM.							

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

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BOOM NO. 22E WITH OPEN THROAT TOP
65 360 kg 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	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		196 800*	3 3 5	1 1 0	6.7	81.1	35.6		135 900*
		5.0	80.6	23.5		181 200*			7.0	80.6	35.5		130 500*
		5.5	79.3	23.4		165 700*			8.0	78.9	35.4		108 700
		6.0	77.9	23.3		152 600*			9.0	77.1	35.1		89 300
		7.0	75.1	23.1		131 500*			10.0	75.4	34.9		75 600
		8.0	72.3	22.8		108 300			11.0	73.6	34.6	54 900	65 300
		9.0	69.5	22.4		89 200			12.0	71.8	34.3	48 400	57 400
		10.0	66.6	22.0		75 600			13.0	70.0	34.0	43 200	51 000
		11.0	63.6	21.6		65 500			14.0	68.2	33.6	38 900	45 800
		12.0	60.6	21.0		57 600			15.0	66.3	33.2	35 300	41 400
		13.0	57.5	20.4		51 300			16.0	64.4	32.7	32 200	37 800
		14.0	54.2	19.8	39 300	46 100			18.0	60.6	31.7	27 200	31 900
		15.0	50.8	19.0	35 700	41 800			20.0	56.6	30.4	23 400	27 400
		16.0	47.3	18.1	32 600	38 100			22.0	52.4	29.0	20 300	23 800
		18.0	39.4	16.0	27 700	32 300			24.0	47.9	27.3	17 800	20 900
2 4 4	8 0	20.0	30.0	13.1	23 800	27 800	3 6 6	1 2 0	26.0	43.1	25.4	15 800	18 600
									28.0	37.8	23.0	14 000	16 600
		5.2	81.4	26.6		174 900*			30.0	31.9	20.2	12 500	14 800
		5.5	80.6	26.5		165 400*			32.0	24.6	16.4	11 200	13 300
		6.0	79.4	26.4		152 300*							
		7.0	77.0	26.2		131 200*			6.7	81.9	38.7		135 600*
		8.0	74.6	26.0		108 400			7.0	81.4	38.6		130 200*
		9.0	72.1	25.7		89 200			8.0	79.8	38.5		108 600
		10.0	69.7	25.3		75 700			9.0	78.2	38.3		89 200
		11.0	67.1	24.9		65 500			10.0	76.6	38.0		75 500
		12.0	64.6	24.5		57 600			11.0	75.0	37.8	54 700	65 200
		13.0	61.9	24.0	43 500	51 200			12.0	73.4	37.5	48 300	57 200
		14.0	59.2	23.4	39 200	46 000			13.0	71.7	37.2	43 000	50 900
		15.0	56.5	22.8	35 700	41 800			14.0	70.1	36.8	38 800	45 600
		16.0	53.6	22.1	32 600	38 100			15.0	68.4	36.5	35 100	41 300
2 7 4	9 0	18.0	47.5	20.4	27 600	32 200			16.0	66.7	36.0	32 000	37 600
		20.0	40.7	18.4	23 800	27 700			18.0	63.2	35.1	27 100	31 700
		22.0	32.9	15.7	20 700	24 200			20.0	59.7	34.0	23 300	27 200
		24.0	22.8	11.9	18 200	21 300			22.0	56.0	32.8	20 200	23 700
									24.0	52.1	31.3	17 700	20 800
		5.5	81.7	29.6		165 500*	3 9 6	1 3 0	26.0	48.0	29.6	15 600	18 400
		6.0	80.6	29.5		152 000*			28.0	43.6	27.7	13 900	16 400
		7.0	78.5	29.3		130 900*			30.0	38.9	25.4	12 400	14 700
		8.0	76.3	29.1		108 500			32.0	33.6	22.7	11 100	13 200
		9.0	74.2	28.9		89 300			34.0	27.4	19.3	9 900	11 900
		10.0	72.0	28.5		75 600			36.0	19.5	14.7	8 900	10 700
		11.0	69.8	28.2		65 400							
		12.0	67.5	27.8		57 500			7.3	81.6	41.7		124 300*
		13.0	65.3	27.4	43 400	51 100			8.0	80.6	41.6		108 700
		14.0	62.9	26.9	39 100	46 000			9.0	79.1	41.4		89 200
		15.0	60.6	26.4	35 500	41 600			10.0	77.6	41.2	63 000	75 500
		16.0	58.1	25.8	32 400	38 000			11.0	76.2	40.9	54 700	65 200
		18.0	53.1	24.4	27 500	32 100			12.0	74.7	40.7	48 200	57 200
		20.0	47.7	22.7	23 700	27 600			13.0	73.2	40.4	43 000	50 900
		22.0	41.7	20.7	20 600	24 100			14.0	71.6	40.1	38 700	45 600
3 0 5	1 0 0	24.0	35.0	18.2	18 100	21 200			15.0	70.1	39.7	35 100	41 300
		26.0	26.8	14.8	16 100	18 800			16.0	68.6	39.3	32 000	37 600
		5.8	82.0	32.6		157 000*			18.0	65.4	38.5	27 000	31 700
		6.0	81.6	32.6		151 800*			20.0	62.2	37.5	23 200	27 200
		7.0	79.7	32.4		130 700*			22.0	58.9	36.4	20 100	23 700
		8.0	77.7	32.2		108 700			24.0	55.4	35.1	17 700	20 800
		9.0	75.8	32.0		89 300			26.0	51.9	33.6	15 600	18 400
		10.0	73.9	31.7		75 700			28.0	48.1	31.9	13 900	16 400
		11.0	71.9	31.4		65 500			30.0	44.1	30.0	12 300	14 700
		12.0	69.9	31.1	48 600	57 500			32.0	39.7	27.8	11 100	13 200
		13.0	67.9	30.7	43 400	51 100			34.0	35.0	25.2	9 900	11 900
		14.0	65.8	30.3	39 100	46 000			36.0	29.5	22.0	8 900	10 700
		15.0	63.8	29.8	35 500	41 600			38.0	23.0	17.9	8 000	9 700
		16.0	61.6	29.3	32 400	37 900							
		18.0	57.3	28.1	27 400	32 000							
		20.0	52.7	26.7	23 600	27 600							
		22.0	47.8	25.0	20 500	24 000							
		24.0	42.5	23.0	18 100	21 100							
		26.0	36.6	20.6	16 000	18 700							
		28.0	29.7	17.6	14 200	16 700							
		30.0	20.9	13.3	12 700	15 000							

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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		110 300	4 8 8	1 6 0	28.0	57.1	43.4	13 300	15 800
		8.0	81.3	44.6		108 700			30.0	54.3	42.1	11 800	14 100
		9.0	79.9	44.5		89 100			32.0	51.3	40.5	10 500	12 700
		10.0	78.5	44.3	62 700	75 400			34.0	48.2	38.8	9 400	11 400
		11.0	77.2	44.1	54 500	65 100			36.0	45.0	37.0	8 300	10 200
		12.0	75.8	43.8	48 100	57 100			38.0	41.6	34.8	7 500	9 200
		13.0	74.4	43.6	42 900	50 700			40.0	37.9	32.4	6 700	8 300
		14.0	73.0	43.3	38 500	45 500			42.0	33.9	29.7	6 000	7 500
		15.0	71.6	42.9	34 900	41 100			44.0	29.4	26.4	5 300	6 700
		16.0	70.2	42.6	31 800	37 400			46.0	24.2	22.5	4 700	6 100
	1 5 0	18.0	67.3	41.8	26 900	31 600		1 7 0	9.1	81.5	53.7	71 300	86 600
		20.0	64.3	40.9	23 000	27 100			10.0	80.6	53.6	62 300	75 100
		22.0	61.3	39.9	20 000	23 500			11.0	79.5	53.4	54 100	64 700
		24.0	58.2	38.7	17 500	20 600			12.0	78.3	53.2	47 600	56 700
		26.0	55.0	37.4	15 400	18 200			13.0	77.2	53.0	42 400	50 300
		28.0	51.7	35.9	13 700	16 200			14.0	76.1	52.8	38 100	45 000
		30.0	48.1	34.2	12 200	14 500			15.0	74.9	52.5	34 400	40 700
		32.0	44.4	32.3	10 900	13 100			16.0	73.8	52.2	31 300	37 000
		34.0	40.4	30.1	9 800	11 800			18.0	71.5	51.6	26 300	31 000
		36.0	36.1	27.6	8 800	10 600			20.0	69.1	50.9	22 500	26 600
4 5 7	1 6 0	38.0	31.3	24.6	7 900	9 600	5 1 8	1 8 0	22.0	66.7	50.1	19 500	23 000
		40.0	25.6	20.9	7 100	8 700			24.0	64.3	49.1	17 000	20 100
		42.0	18.5	16.0	6 300	7 900			26.0	61.8	48.1	14 900	17 700
		7.9	82.0	47.7		109 000*			28.0	59.3	47.0	13 100	15 700
		8.0	81.9	47.7		107 600			30.0	56.7	45.7	11 700	14 000
		9.0	80.6	47.6		89 200			32.0	54.0	44.4	10 300	12 500
		10.0	79.3	47.4	62 600	75 300			34.0	51.2	42.8	9 200	11 200
		11.0	78.0	47.2	54 400	65 000			36.0	48.3	41.1	8 200	10 100
		12.0	76.8	47.0	47 900	57 000			38.0	45.3	39.3	7 300	9 100
		13.0	75.5	46.7	42 700	50 500			40.0	42.1	37.2	6 600	8 200
	1 5 0	14.0	74.2	46.4	38 400	45 300		1 7 0	42.0	38.6	34.8	5 800	7 400
		15.0	72.9	46.1	34 700	41 000			44.0	34.9	32.1	5 200	6 600
		16.0	71.5	45.8	31 600	37 200			46.0	30.9	29.0	4 600	6 000
		18.0	68.9	45.1	26 600	31 400			48.0	26.2	25.4	4 100	5 300
		20.0	66.2	44.3	22 800	26 800			50.0	20.7	20.8	3 600	4 800
		22.0	63.4	43.3	19 800	23 300		1 8 0	9.1	82.0	56.8	71 200	86 500
		24.0	60.6	42.3	17 300	20 400			10.0	81.1	56.7	62 100	74 900
		26.0	57.6	41.1	15 200	18 000			11.0	80.1	56.5	54 000	64 600
		28.0	54.6	39.7	13 400	16 000			12.0	79.0	56.3	47 400	56 500
		30.0	51.5	38.2	12 000	14 300			13.0	77.9	56.1	42 200	50 100
		32.0	48.2	36.5	10 700	12 800			14.0	76.9	55.9	37 900	44 900
		34.0	44.7	34.6	9 500	11 500			15.0	75.8	55.6	34 200	40 500
		36.0	41.1	32.5	8 500	10 400			16.0	74.7	55.4	31 200	36 800
		38.0	37.1	30.0	7 700	9 400			18.0	72.5	54.8	26 100	30 900
		40.0	32.7	27.2	6 800	8 500			20.0	70.3	54.1	22 300	26 400
4 8 8	1 6 0	42.0	27.7	23.7	6 100	7 600	5 4 9	1 8 0	22.0	68.1	53.4	19 200	22 800
		44.0	21.7	19.4	5 500	6 900			24.0	65.8	52.5	16 800	19 900
		8.5	81.7	50.7	79 400	97 100			26.0	63.5	51.6	14 700	17 500
		9.0	81.2	50.7	73 300	89 200			28.0	61.1	50.5	12 900	15 500
		10.0	80.0	50.5	62 400	75 100			30.0	58.7	49.4	11 400	13 800
		11.0	78.8	50.3	54 200	64 800			32.0	56.3	48.1	10 200	12 300
		12.0	77.6	50.1	47 700	56 800			34.0	53.7	46.7	9 000	11 000
		13.0	76.4	49.9	42 500	50 400			36.0	51.1	45.1	8 000	9 900
		14.0	75.2	49.6	38 200	45 100			38.0	48.3	43.4	7 200	8 900
		15.0	74.0	49.3	34 600	40 800			40.0	45.5	41.6	6 400	8 000
		16.0	72.7	49.0	31 500	37 000			42.0	42.5	39.5	5 600	7 200
		18.0	70.3	48.4	26 500	31 200			44.0	39.3	37.2	5 000	6 500
		20.0	67.7	47.6	22 600	26 600			46.0	35.8	34.6	4 400	5 800
		22.0	65.2	46.7	19 600	23 100			48.0	32.1	31.6	3 900	5 200
		24.0	62.6	45.7	17 100	20 200			50.0	27.9	28.2	3 400	4 600
		26.0	59.9	44.6	15 000	17 800			52.0	23.1	24.0	2 900	4 100

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65 360 kg 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
5 7 9	1 9 0	9.8	81.8	59.8	64 400	77 900
		10.0	81.6	59.7	62 100	75 000
		11.0	80.6	59.6	53 800	64 500
		12.0	79.6	59.4	47 300	56 400
		13.0	78.6	59.2	42 000	50 000
		14.0	77.6	59.0	37 700	44 700
		15.0	76.5	58.8	34 100	40 300
		16.0	75.5	58.5	31 000	36 600
		18.0	73.5	58.0	26 000	30 700
		20.0	71.4	57.3	22 100	26 100
		22.0	69.3	56.6	19 100	22 600
		24.0	67.2	55.8	16 500	19 700
		26.0	65.0	54.9	14 500	17 300
		28.0	62.8	54.0	12 700	15 300
		30.0	60.5	52.9	11 200	13 600
		32.0	58.2	51.7	9 900	12 100
		34.0	55.9	50.4	8 800	10 800
		36.0	53.5	49.0	7 800	9 700
		38.0	51.0	47.4	6 900	8 700
		40.0	48.4	45.7	6 100	7 800
		42.0	45.7	43.9	5 400	7 000
		44.0	42.8	41.8	4 800	6 200
		46.0	39.8	39.5	4 200	5 600
		48.0	36.6	37.0	3 600	5 000
		50.0	33.2	34.1	3 100	4 400
6 1 0	2 0 0	52.0	29.4	30.8	2 700	3 900
		54.0	25.0	27.0	2 300	3 400
		56.0	19.8	22.1	1 800	2 900
		10.4	81.7	62.8	58 600	70 600
		11.0	81.1	62.7	53 600	64 300
		12.0	80.1	62.5	47 100	56 200
		13.0	79.1	62.3	41 800	49 800
		14.0	78.2	62.1	37 500	44 500
		15.0	77.2	61.9	33 900	40 100
		16.0	76.3	61.7	30 700	36 400
		18.0	74.3	61.2	25 700	30 500
		20.0	72.4	60.6	21 900	26 000
		22.0	70.4	59.9	18 800	22 400
		24.0	68.4	59.1	16 300	19 500
		26.0	66.3	58.3	14 200	17 100
		28.0	64.3	57.4	12 500	15 100
		30.0	62.2	56.4	11 000	13 400
		32.0	60.0	55.3	9 700	11 900
		34.0	57.8	54.0	8 600	10 600
		36.0	55.6	52.7	7 600	9 500
		38.0	53.2	51.3	6 700	8 500
		40.0	50.9	49.7	5 900	7 500
		42.0	48.4	48.0	5 200	6 700
		44.0	45.8	46.2	4 600	6 000
		46.0	43.1	44.1	4 000	5 400
		48.0	40.3	41.9	3 400	4 800
		50.0	37.3	39.4	2 900	4 200
		52.0	34.1	36.6	2 500	3 700
6 4 0	2 1 0	54.0	30.6	33.5	2 000	3 200
		56.0	26.7	29.8	2 800	2 800
		58.0	22.1	25.4	2 300	2 300
		11.0	81.5	65.8	53 700	64 400
		12.0	80.6	65.6	46 900	56 100
		13.0	79.7	65.4	41 700	49 700
		14.0	78.8	65.2	37 400	44 400
		15.0	77.8	65.0	33 700	40 000
		16.0	76.9	64.8	30 600	36 300
		18.0	75.1	64.3	25 600	30 300
		20.0	73.2	63.7	21 700	25 800
		22.0	71.3	63.1	18 700	22 200
		24.0	69.4	62.4	16 200	19 300
		26.0	67.5	61.6	14 100	16 900
		28.0	65.6	60.7	12 400	14 900
		30.0	63.6	59.8	10 800	13 200
		32.0	61.6	58.7	9 600	11 700
6 4 0	2 1 0	34.0	59.5	57.6	8 400	10 500
		36.0	57.4	56.4	7 400	9 300
		38.0	55.3	55.1	6 600	8 300
		40.0	53.1	53.6	5 700	7 400
		42.0	50.8	52.0	5 000	6 600
		44.0	48.4	50.3	4 400	5 900
		46.0	46.0	48.5	3 800	5 200
		48.0	43.4	46.5	3 300	4 600
		50.0	40.8	44.3	2 800	4 100
		52.0	37.9	41.8	2 300	3 500
		54.0	34.9	39.1		3 100
		56.0	31.7	36.1		2 600
		58.0	28.1	32.6		2 200
		11.0	81.9	68.8	53 500	64 300
		12.0	81.0	68.7	46 800	55 900
		13.0	80.1	68.5	41 500	49 500
		14.0	79.3	68.3	37 200	44 200
		15.0	78.4	68.1	33 500	39 800
		16.0	77.5	67.9	30 400	36 100
		18.0	75.8	67.5	25 400	30 100
		20.0	74.0	66.9	21 500	25 600
		22.0	72.2	66.3	18 500	22 000
		24.0	70.4	65.6	16 000	19 100
		26.0	68.6	64.9	13 900	16 700
		28.0	66.7	64.1	12 100	14 700
		30.0	64.9	63.2	10 600	13 000
		32.0	63.0	62.2	9 300	11 500
		34.0	61.0	61.1	8 200	10 200
6 7 1	2 2 0	36.0	59.1	60.0	7 200	9 100
		38.0	57.0	58.7	6 300	8 100
		40.0	55.0	57.4	5 600	7 200
		42.0	52.9	55.9	4 800	6 400
		44.0	50.7	54.3	4 200	5 700
		46.0	48.5	52.6	3 600	5 000
		48.0	46.1	50.8	3 100	4 400
		50.0	43.7	48.8	2 600	3 800
		52.0	41.2	46.6	2 100	3 400
		54.0	38.5	44.2		2 900
		56.0	35.7	41.6		2 400
		58.0	32.6	38.6		2 000
		11.6	81.8	71.8	49 200	59 000
		12.0	81.4	71.8	46 700	55 900
		13.0	80.6	71.6	41 300	49 300
		14.0	79.7	71.4	37 000	44 000
		15.0	78.9	71.3	33 300	39 600
		16.0	78.1	71.1	30 200	35 900
		18.0	76.4	70.6	25 200	30 000
		20.0	74.7	70.1	21 300	25 400
		22.0	73.0	69.5	18 200	21 800
		24.0	71.3	68.9	15 700	18 900
		26.0	69.6	68.2	13 700	16 500
		28.0	67.8	67.4	11 900	14 500
		30.0	66.0	66.5	10 400	12 800
		32.0	64.2	65.6	9 100	11 300
		34.0	62.4	64.6	8 000	10 000
7 0 1	2 3 0	36.0	60.5	63.5	7 000	8 900
		38.0	58.6	62.3	6 100	7 800
		40.0	56.7	61.1	5 300	7 000
		42.0	54.7	59.7	4 600	6 100
		44.0	52.7	58.2	3 900	5 400
		46.0	50.6	56.6	3 400	4 800
		48.0	48.5	54.9	2 800	4 200
		50.0	46.3	53.1	2 300	3 600
		52.0	43.9	51.1		3 100
		54.0	41.5	48.9		2 600
		56.0	39.0	46.6		2 200

MANITOWOC ENGINEERING CO.

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



LIFTCRANE BOOM CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

888 SERIES 1

BOOM NO. 22E WITH OPEN THROAT TOP
65 360 kg 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	45 400	54 300
		13.0	81.0	74.7	41 200	49 200
		14.0	80.2	74.5	36 800	43 900
		15.0	79.4	74.4	33 200	39 500
		16.0	78.6	74.2	30 000	35 800
		18.0	77.0	73.7	25 000	29 800
		20.0	75.4	73.2	21 100	25 200
		22.0	73.7	72.7	18 000	21 600
		24.0	72.1	72.1	15 600	18 700
		26.0	70.5	71.4	13 500	16 300
		28.0	68.8	70.7	11 700	14 300
		30.0	67.1	69.8	10 200	12 600
		32.0	65.4	69.0	8 900	11 100
		34.0	63.6	68.0	7 800	9 800
		36.0	61.9	67.0	6 800	8 700
		38.0	60.1	65.9	5 900	7 700
		40.0	58.3	64.7	5 100	6 800
		42.0	56.4	63.4	4 400	6 000
		44.0	54.5	62.0	3 800	5 200
		46.0	52.6	60.5	3 200	4 600
7 6 · 2	2 5 0	48.0	50.6	59.0	2 600	4 000
		50.0	48.5	57.2	2 200	3 400
		52.0	46.4	55.4		2 900
		54.0	44.2	53.4		2 400
		56.0	41.9	51.3		2 000
		12.2	82.0	77.9	45 200	50 300*
		13.0	81.3	77.8	41 000	49 300
		14.0	80.6	77.6	36 700	43 700
		15.0	79.8	77.5	33 000	39 300
		16.0	79.0	77.3	29 900	35 600
		18.0	77.5	76.9	24 800	29 600
		20.0	76.0	76.4	21 000	25 100
		22.0	74.4	75.9	17 900	21 500
		24.0	72.8	75.3	15 400	18 500
		26.0	71.3	74.6	13 300	16 200
		28.0	69.7	73.9	11 500	14 100
		30.0	68.1	73.1	10 000	12 400
		32.0	66.4	72.3	8 800	10 900
		34.0	64.8	71.4	7 600	9 600
		36.0	63.1	70.4	6 600	8 500
7 9 · 2	2 6 0	38.0	61.4	69.4	5 700	7 500
		40.0	59.7	68.2	4 900	6 600
		42.0	57.9	67.0	4 200	5 800
		44.0	56.1	65.7	3 600	5 100
		46.0	54.3	64.3	3 000	4 400
		48.0	52.4	62.8	2 500	3 800
		50.0	50.5	61.3	2 000	3 200
		52.0	48.5	59.5		2 700
		54.0	46.5	57.7		2 300
		56.0	44.4	55.7		1 800
		12.8	81.8	80.9	41 800	45 800*
		13.0	81.7	80.9	40 800	45 700*
		14.0	80.9	80.7	36 500	43 600
		15.0	80.2	80.6	32 800	39 100
		16.0	79.5	80.4	29 700	35 400
		18.0	78.0	80.0	24 600	29 400
		20.0	76.5	79.5	20 800	24 900
		22.0	75.0	79.0	17 700	21 200
		24.0	73.5	78.5	15 200	18 400
		26.0	72.0	77.8	13 100	16 000
		28.0	70.5	77.2	11 300	13 900
		30.0	68.9	76.4	9 800	12 200
		32.0	67.4	75.6	8 500	10 700
		34.0	65.8	74.7	7 400	9 400
		36.0	64.2	73.8	6 400	8 300
		38.0	62.6	72.8	5 500	7 300
		40.0	61.0	71.7	4 700	6 400
		42.0	59.3	70.6	4 000	5 600
		44.0	57.6	69.4	3 400	4 800
		46.0	55.9	68.1	2 800	4 200
		48.0	54.1	66.6	2 200	3 600
		50.0	52.3	65.2		3 000
		52.0	50.4	63.6		2 500
		54.0	48.5	61.8		2 100