

MANITOWOC ENGINEERING CO.

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



LIFTCRANE BOOM CAPACITIES

888 SERIES 1

BOOM NO. 22E WITH OPEN THROAT TOP

144,100 LB. COUNTERWEIGHT

28'2" 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 29,500 LBS. 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 28'2" EXTENDIBLE CRAWLERS, 48" TREADS, 10'3" RETRACTABLE GANTRY, 30' LIVE MAST, 20 PART BOOM HOIST REEVING, FOUR 1-3/8" BOOM PENDANTS, AND 144,100 LB. COUNTERWEIGHT.

DEDUCT 4,000 LBS. 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 BOOM LENGTH	OVER REAR OF BLOCKED CRAWLERS BOOM LENGTH	OVER SIDE OF EXTENDED CRAWLERS BOOM LENGTH
0 DEGREE	(a)260'	(a)250'	220'
0 DEGREE	(a)250'		
1 DEGREE	(a)250'	(a)250'	220'
2 DEGREE	(a)250'	(a)250'	220'
3 DEGREE	(a)250'	(a)250'	220'
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 USED ON 260' AND 250' BOOM LENGTH. WIRE ROPE GUIDE ASSEMBLY 179061 UPPER AND MIDDLE SHEAVES AND SHAFTS OR ASSEMBLY 92671 UPPER SHEAVE AND SHAFT MUST BE REMOVED ON 260' BOOM WHEN LIFTED OVER FRONT OF BLOCKED CRAWLERS.			

MAXIMUM BOOM LENGTH LIFTED UNASSISTED WITH AUXILIARY DRUM IN BOOM BUTT			
LIST	OVER FRONT OF BLOCKED CRAWLERS BOOM LENGTH	OVER REAR OF BLOCKED CRAWLERS BOOM LENGTH	OVER SIDE OF EXTENDED CRAWLERS BOOM LENGTH
0 DEGREE	(a)250'	(a)250'	220'
1 DEGREE	(a)250'	(b)240'	220'
2 DEGREE	(a)250'	(b)240'	220'
3 DEGREE	(a)250'	(b)240'	210'
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 USED ON 250' BOOM LENGTH. (b) UPPER BOOM POINT CANNOT BE LIFTED OVER REAR OF BLOCKED CRAWLERS WITH 1, 2 OR 3 DEGREE LIST ON 240' BOOM LENGTH.			

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NO TRAVEL - 360 DEGREE RATING

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	0 DEGREE LIST BOOM CAPACITY POUNDS	1 DEGREE LIST BOOM CAPACITY POUNDS	2 DEGREE LIST BOOM CAPACITY POUNDS	3 DEGREE LIST BOOM CAPACITY POUNDS	OPER. RAD. FEET
70	15	81.8	77.4	434,000*				15
	16	81.0	77.2	408,900*				16
	17	80.1	77.0	386,500*				17
	18	79.3	76.9	366,300*				18
	19	78.5	76.7	348,000*	323,100*			19
	20	77.6	76.4	331,500*	308,600*			20
	22	75.9	76.0	302,400*	283,200*			22
	24	74.3	75.4	277,900*	251,900			24
	26	72.5	74.8	242,700	221,700	203,600		26
	28	70.8	74.2	214,500	197,700	182,900		28
	30	69.1	73.5	191,900	178,200	165,900	155,000	30
	32	67.3	72.7	173,400	162,000	151,700	142,400	32
	34	65.5	71.8	158,000	148,400	139,600	131,600	34
	36	63.7	70.8	145,000	136,700	129,200	122,200	36
	38	61.9	69.8	133,800	126,700	120,100	114,000	38
	40	60.0	68.7	124,200	117,900	112,100	106,700	40
	42	58.1	67.5	115,700	110,200	105,100	100,300	42
	44	56.1	66.2	108,200	103,300	98,800	94,500	44
	46	54.1	64.8	101,500	97,200	93,100	89,300	46
	48	52.1	63.3	95,600	91,700	88,000	84,600	48
80	50	50.0	61.7	90,200	86,700	83,400	80,300	50
	55	44.4	57.1	78,800	76,200	73,600	71,100	55
	60	38.2	51.4	69,700	67,600	65,600	63,700	60
	65	31.0	44.1	62,200	60,600	59,000	57,500	65
	70	21.8	34.0	55,900	54,700	53,500	52,300	70
	17	81.4	87.2	385,800*				17
	18	80.6	87.0	365,600*				18
	19	79.9	86.8	347,400*	319,800*			19
	20	79.2	86.7	330,800*	305,500*			20
	22	77.7	86.2	301,800*	280,400*			22
	24	76.3	85.8	277,300*	249,100			24
	26	74.8	85.3	243,000	219,400	199,600		26
	28	73.3	84.7	214,700	195,800	179,600		28
	30	71.8	84.1	192,000	176,600	163,100	151,300	30
	32	70.3	83.4	173,500	160,600	149,300	139,100	32
	34	68.7	82.6	158,100	147,200	137,400	128,700	34
	36	67.2	81.8	145,000	135,700	127,200	119,600	36
	38	65.6	80.9	133,800	125,700	118,400	111,600	38
	40	64.1	80.0	124,100	117,000	110,500	104,600	40
	42	62.5	79.0	115,600	109,400	103,600	98,300	42
	44	60.8	77.9	108,100	102,600	97,400	92,700	44
	46	59.2	76.8	101,400	96,500	91,900	87,600	46
	48	57.5	75.5	95,500	91,000	86,900	83,000	48
	50	55.8	74.2	90,100	86,100	82,300	78,800	50
	55	51.3	70.5	78,700	75,600	72,600	69,800	55
	60	46.6	66.2	69,600	67,100	64,700	62,500	60
	65	41.4	61.0	62,100	60,100	58,200	56,300	65
	70	35.7	54.7	55,900	54,300	52,700	51,200	70
	75	29.0	46.8	50,600	49,300	48,000	46,800	75
	80	20.4	35.9	45,900	44,900	44,000	43,000	80

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BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	0 DEGREE LIST BOOM CAPACITY POUNDS	1 DEGREE LIST BOOM CAPACITY POUNDS	2 DEGREE LIST BOOM CAPACITY POUNDS	3 DEGREE LIST BOOM CAPACITY POUNDS	OPER. RAD. FEET
90	18	81.7	97.1	364,900*				18
	19	81.1	97.0	346,600*				19
	20	80.4	96.8	330,100*	302,400*			20
	22	79.1	96.4	301,100*	277,600*	242,900*		22
	24	77.8	96.0	276,500*	246,300	219,400		24
	26	76.5	95.6	243,100	217,100	195,700		26
	28	75.2	95.1	214,700	193,900	176,300	161,300	28
	30	73.9	94.5	192,100	175,000	160,300	147,600	30
	32	72.5	93.9	173,500	159,200	146,800	135,900	32
	34	71.2	93.3	158,000	145,900	135,300	125,800	34
	36	69.9	92.6	144,900	134,500	125,300	117,000	36
	38	68.5	91.8	133,700	124,700	116,600	109,300	38
	40	67.1	91.0	124,000	116,100	108,900	102,400	40
	42	65.7	90.1	115,400	108,500	102,100	96,300	42
	44	64.3	89.2	107,900	101,700	96,100	90,800	44
	46	62.9	88.2	101,200	95,700	90,600	85,900	46
	48	61.5	87.1	95,200	90,300	85,700	81,400	48
	50	60.0	86.0	89,900	85,400	81,200	77,300	50
	55	56.3	82.9	78,500	74,900	71,600	68,500	55
	60	52.3	79.3	69,300	66,500	63,800	61,200	60
100	65	48.2	75.2	61,900	59,600	57,300	55,200	65
	70	43.8	70.3	55,600	53,700	51,900	50,100	70
	75	38.9	64.6	50,300	48,800	47,200	45,700	75
	80	33.6	57.8	45,800	44,500	43,200	42,000	80
	85	27.3	49.3	41,800	40,700	39,700	38,700	85
	90	19.2	37.6	38,300	37,400	36,600	35,800	90
	19	82.0	107.1	346,200*				19
	20	81.4	106.9	329,600*				20
	22	80.2	106.6	300,600*	275,100*			22
	24	79.0	106.2	276,100*	243,700	215,000	182,800*	24
	26	77.9	105.8	243,400	215,100	192,100	172,900	26
	28	76.7	105.4	215,000	192,200	173,300	157,400	28
	30	75.5	104.9	192,200	173,500	157,700	144,200	30
	32	74.3	104.4	173,600	158,000	144,600	132,900	32
	34	73.1	103.8	158,100	144,800	133,300	123,200	34
	36	71.9	103.1	145,000	133,600	123,600	114,700	36
	38	70.7	102.5	133,700	123,800	115,000	107,200	38
	40	69.5	101.7	123,900	115,300	107,500	100,500	40
	42	68.3	101.0	115,400	107,700	100,800	94,600	42
	44	67.0	100.2	107,900	101,000	94,900	89,200	44
	46	65.8	99.3	101,200	95,000	89,500	84,400	46
100	48	64.5	98.4	95,200	89,700	84,600	80,000	48
	50	63.3	97.4	89,700	84,800	80,200	76,000	50
	55	60.0	94.7	78,300	74,400	70,700	67,300	55
	60	56.6	91.6	69,200	66,000	63,000	60,200	60
	65	53.1	88.1	61,700	59,100	56,600	54,300	65
	70	49.5	84.1	55,500	53,300	51,200	49,200	70
	75	45.6	79.5	50,200	48,300	46,600	44,900	75
	80	41.4	74.2	45,600	44,100	42,600	41,200	80
	85	36.9	68.1	41,600	40,400	39,100	37,900	85
	90	31.8	60.7	38,200	37,100	36,000	35,000	90
100	95	25.8	51.7	35,100	34,200	33,300	32,400	95
	100	18.2	39.3	32,300	31,600	30,900	30,200	100

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BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	0 DEGREE LIST BOOM CAPACITY POUNDS	1 DEGREE LIST BOOM CAPACITY POUNDS	2 DEGREE LIST BOOM CAPACITY POUNDS	3 DEGREE LIST BOOM CAPACITY POUNDS	OPER. RAD. FEET
1 1 0	22	81.1	116.7	299,700*				22
	24	80.1	116.4	275,200*	240,800			24
	26	79.0	116.0	243,400	212,700	188,300	168,300	26
	28	77.9	115.6	214,900	190,300	170,100	153,300	28
	30	76.9	115.2	192,100	171,800	155,000	140,700	30
	32	75.8	114.7	173,400	156,500	142,100	129,800	32
	34	74.7	114.2	157,900	143,500	131,100	120,400	34
	36	73.6	113.6	144,700	132,300	121,600	112,200	36
	38	72.5	113.0	133,400	122,700	113,200	104,900	38
	40	71.4	112.4	123,700	114,200	105,900	98,400	40
	42	70.3	111.7	115,100	106,700	99,300	92,600	42
	44	69.2	110.9	107,500	100,100	93,400	87,400	44
	46	68.1	110.1	100,800	94,200	88,100	82,700	46
	48	67.0	109.3	94,800	88,800	83,400	78,400	48
	50	65.9	108.4	89,400	84,000	79,000	74,400	50
	55	63.0	106.0	78,000	73,600	69,700	66,000	55
	60	60.0	103.3	68,800	65,300	62,000	59,000	60
	65	56.9	100.3	61,300	58,400	55,700	53,100	65
	70	53.8	96.8	55,100	52,600	50,400	48,200	70
	75	50.5	92.9	49,800	47,700	45,800	43,900	75
1 2 0	80	47.0	88.5	45,200	43,500	41,800	40,200	80
	85	43.3	83.6	41,300	39,800	38,300	37,000	85
	90	39.4	77.9	37,800	36,500	35,300	34,100	90
	95	35.1	71.3	34,700	33,600	32,600	31,500	95
	100	30.3	63.5	32,000	31,000	30,100	29,200	100
	105	24.6	53.9	29,500	28,700	27,900	27,200	105
	110	17.3	40.9	27,200	26,600	26,000	25,300	110
	22	81.9	126.9	299,100*				22
	24	80.9	126.6	274,500*	237,900			24
	26	79.9	126.2	243,200	210,300	184,500		26
	28	78.9	125.8	214,700	188,200	167,000	149,500	28
	30	78.0	125.4	191,900	170,100	152,300	137,300	30
	32	77.0	125.0	173,200	155,000	139,800	126,900	32
	34	76.0	124.5	157,600	142,200	129,000	117,800	34
	36	75.0	124.0	144,500	131,100	119,700	109,800	36
	38	74.0	123.4	133,200	121,600	111,500	102,700	38
	40	73.0	122.9	123,400	113,200	104,300	96,400	40
	42	72.0	122.2	114,800	105,800	97,900	90,800	42
	44	71.0	121.6	107,300	99,200	92,100	85,700	44
	46	70.0	120.8	100,500	93,300	86,900	81,100	46
	48	69.0	120.1	94,500	88,000	82,200	76,900	48
	50	68.0	119.3	89,100	83,200	77,900	73,100	50
	55	65.4	117.2	77,700	73,000	68,700	64,700	55
	60	62.7	114.7	68,500	64,700	61,200	57,900	60
	65	60.0	112.0	61,000	57,900	54,900	52,200	65
	70	57.2	108.9	54,800	52,100	49,600	47,300	70
	75	54.3	105.5	49,500	47,200	45,100	43,100	75
	80	51.3	101.7	44,900	43,000	41,200	39,400	80
	85	48.2	97.5	41,000	39,300	37,700	36,200	85
	90	44.9	92.8	37,500	36,100	34,700	33,400	90
	95	41.4	87.4	34,400	33,200	32,000	30,800	95
	100	37.7	81.4	31,700	30,600	29,600	28,600	100
	105	33.6	74.4	29,300	28,300	27,400	26,500	105
	110	29.0	66.2	27,000	26,200	25,500	24,700	110
	115	23.6	56.0	25,000	24,300	23,700	23,000	115
	120	16.6	42.3	23,100	22,600	22,000	21,500	120

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BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	0 DEGREE LIST BOOM CAPACITY POUNDS	1 DEGREE LIST BOOM CAPACITY POUNDS	2 DEGREE LIST BOOM CAPACITY POUNDS	3 DEGREE LIST BOOM CAPACITY POUNDS	OPER. RAD. FEET
130	24	81.6	136.7	274,200*				24
	26	80.7	136.4	243,400	208,300			26
	28	79.8	136.0	214,800	186,600	164,200		28
	30	78.9	135.6	192,000	168,700	149,900	134,300	30
	32	78.0	135.2	173,300	153,800	137,700	124,300	32
	34	77.1	134.8	157,700	141,100	127,200	115,500	34
	36	76.2	134.3	144,500	130,200	118,100	107,700	36
	38	75.3	133.8	133,200	120,800	110,100	100,900	38
	40	74.4	133.3	123,400	112,500	103,000	94,800	40
	42	73.5	132.7	114,800	105,100	96,700	89,300	42
	44	72.5	132.1	107,200	98,600	91,000	84,300	44
	46	71.6	131.4	100,500	92,800	85,900	79,800	46
	48	70.7	130.8	94,500	87,500	81,300	75,700	48
	50	69.7	130.0	89,000	82,700	77,100	71,900	50
	55	67.4	128.1	77,600	72,600	68,000	63,800	55
	60	65.0	125.9	68,400	64,300	60,500	57,100	60
	65	62.5	123.4	60,900	57,500	54,400	51,400	65
	70	60.0	120.7	54,700	51,800	49,100	46,600	70
	75	57.4	117.6	49,400	46,900	44,600	42,500	75
	80	54.8	114.3	44,800	42,700	40,700	38,900	80
	85	52.0	110.5	40,900	39,100	37,300	35,700	85
	90	49.2	106.4	37,400	35,800	34,300	32,900	90
	95	46.2	101.9	34,400	33,000	31,600	30,400	95
	100	43.0	96.8	31,600	30,400	29,200	28,100	100
	105	39.7	91.1	29,200	28,100	27,100	26,100	105
140	110	36.1	84.7	27,000	26,000	25,100	24,300	110
	115	32.2	77.4	25,000	24,200	23,400	22,600	115
	120	27.8	68.7	23,100	22,400	21,700	21,100	120
	125	22.6	58.1	21,500	20,800	20,200	19,700	125
	130	15.9	43.8	19,900	19,400	18,900	18,400	130
	26	81.4	146.5	243,200				26
	28	80.5	146.2	214,600	184,600			28
	30	79.7	145.8	191,700	167,000	147,300		30
	32	78.9	145.4	173,000	152,300	135,400	121,400	32
	34	78.0	145.0	157,400	139,800	125,200	112,900	34
	36	77.2	144.6	144,200	129,000	116,300	105,500	36
	38	76.4	144.1	132,900	119,600	108,400	98,800	38
	40	75.5	143.6	123,100	111,400	101,500	92,800	40
	42	74.7	143.1	114,500	104,200	95,300	87,500	42
	44	73.8	142.5	106,900	97,700	89,700	82,700	44
	46	73.0	141.9	100,200	91,900	84,700	78,300	46
	48	72.1	141.3	94,100	86,700	80,100	74,200	48
	50	71.3	140.6	88,700	82,000	76,000	70,600	50
	55	69.1	138.8	77,300	71,900	67,000	62,600	55
	60	66.9	136.8	68,100	63,700	59,700	56,000	60
	65	64.6	134.6	60,600	56,900	53,600	50,400	65
	70	62.3	132.1	54,300	51,200	48,400	45,700	70
	75	60.0	129.3	49,000	46,400	43,900	41,600	75
	80	57.6	126.3	44,500	42,200	40,100	38,100	80
	85	55.2	123.0	40,500	38,600	36,700	34,900	85
	90	52.6	119.3	37,100	35,300	33,700	32,200	90
	95	50.0	115.3	34,000	32,500	31,100	29,700	95
	100	47.3	110.9	31,300	30,000	28,700	27,500	100
	105	44.4	106.0	28,900	27,700	26,500	25,400	105
	110	41.4	100.7	26,700	25,600	24,600	23,600	110
	115	38.2	94.7	24,700	23,700	22,800	22,000	115
	120	34.8	87.9	22,800	22,000	21,200	20,400	120
	125	31.0	80.2	21,200	20,400	19,700	19,000	125
	130	26.8	71.1	19,600	19,000	18,400	17,800	130
	135	21.8	60.0	18,200	17,700	17,100	16,600	135
	140	15.4	45.2	16,900	16,400	15,900	15,500	140

MANITOWOC ENGINEERING CO.

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



LIFTCRANE BOOM CAPACITIES 888 SERIES 1

BOOM NO. 22E WITH OPEN THROAT TOP
144,100 LB. COUNTERWEIGHT
28'2" CRAWLERS EXTENDED
CRAWLER MACHINE ON A BARGE
0 DEGREE THRU 3 DEGREE MACHINE LIST
NO TRAVEL - 360 DEGREE RATING

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	0 DEGREE LIST BOOM CAPACITY POUNDS	1 DEGREE LIST BOOM CAPACITY POUNDS	2 DEGREE LIST BOOM CAPACITY POUNDS	3 DEGREE LIST BOOM CAPACITY POUNDS	OPER. RAD. FEET
150	26	82.0	156.6	240,500*				26
	28	81.2	156.3	214,500				28
	30	80.4	156.0	191,600	165,400			30
	32	79.6	155.6	172,800	150,800	133,200		32
	34	78.9	155.2	157,200	138,500	123,200	110,500	34
	36	78.1	154.8	143,900	127,800	114,500	103,200	36
	38	77.3	154.4	132,600	118,500	106,800	96,700	38
	40	76.5	153.9	122,800	110,400	99,900	90,900	40
	42	75.7	153.4	114,100	103,200	93,800	85,700	42
	44	74.9	152.9	106,600	96,800	88,400	81,000	44
	46	74.1	152.4	99,800	91,000	83,400	76,700	46
	48	73.3	151.8	93,800	85,900	78,900	72,800	48
	50	72.5	151.2	88,300	81,100	74,800	69,200	50
	55	70.5	149.5	76,800	71,100	66,000	61,300	55
	60	68.5	147.6	67,700	63,000	58,700	54,800	60
	65	66.4	145.5	60,100	56,200	52,700	49,400	65
	70	64.3	143.3	53,900	50,600	47,500	44,700	70
	75	62.2	140.7	48,500	45,700	43,100	40,700	75
	80	60.0	138.0	44,000	41,600	39,300	37,100	80
	85	57.8	135.0	40,000	37,900	35,900	34,100	85
	90	55.5	131.7	36,600	34,700	33,000	31,300	90
	95	53.1	128.1	33,500	31,900	30,300	28,800	95
	100	50.7	124.2	30,800	29,300	28,000	26,600	100
	105	48.2	119.9	28,400	27,100	25,800	24,700	105
	110	45.6	115.2	26,200	25,000	23,900	22,800	110
160	115	42.8	110.0	24,200	23,100	22,100	21,200	115
	120	39.9	104.4	22,300	21,400	20,500	19,700	120
	125	36.9	98.1	20,700	19,900	19,100	18,300	125
	130	33.6	91.0	19,200	18,400	17,700	17,000	130
	135	29.9	82.9	17,700	17,100	16,500	15,800	135
	140	25.8	73.5	16,400	15,800	15,300	14,700	140
	145	21.0	61.9	15,200	14,700	14,200	13,700	145
	28	81.7	166.4	214,200				28
	30	81.0	166.1	191,300	163,600			30
	32	80.3	165.8	172,500	149,300			32
	34	79.6	165.4	156,800	137,100			34
	36	78.8	165.0	143,600	126,600	121,200		36
	38	78.1	164.6	132,200	117,400	105,100	94,700	38
	40	77.4	164.2	122,400	109,400	98,400	89,100	40
	42	76.6	163.7	113,800	102,200	92,400	84,000	42
	44	75.9	163.2	106,200	95,900	87,000	79,400	44
	46	75.2	162.7	99,400	90,200	82,200	75,200	46
	48	74.4	162.2	93,400	85,000	77,700	71,300	48
	50	73.7	161.6	87,900	80,300	73,700	67,800	50
	55	71.8	160.1	76,400	70,400	65,000	60,100	55
	60	69.9	158.3	67,300	62,300	57,800	53,800	60
	65	68.0	156.4	59,700	55,600	51,800	48,400	65
	70	66.0	154.3	53,500	50,000	46,700	43,800	70
	75	64.1	151.9	48,100	45,100	42,400	39,800	75
	80	62.0	149.4	43,600	41,000	38,600	36,300	80
	85	60.0	146.6	39,600	37,400	35,300	33,300	85
	90	57.9	143.6	36,200	34,200	32,300	30,600	90
	95	55.8	140.4	33,100	31,400	29,700	28,100	95
	100	53.6	136.8	30,400	28,800	27,400	25,900	100
	105	51.3	133.0	28,000	26,600	25,200	24,000	105
	110	49.0	128.8	25,800	24,500	23,300	22,200	110
	115	46.6	124.3	23,800	22,700	21,600	20,500	115
	120	44.0	119.3	22,000	21,000	20,000	19,000	120
	125	41.4	113.9	20,300	19,400	18,500	17,700	125
	130	38.6	107.9	18,800	18,000	17,200	16,400	130
	135	35.7	101.3	17,400	16,600	15,900	15,200	135
	140	32.5	93.9	16,100	15,400	14,800	14,100	140
	145	29.0	85.5	14,800	14,300	13,700	13,100	145
	150	25.0	75.7	13,700	13,200	12,700	12,200	150
	155	20.4	63.7	12,600	12,200	11,700	11,300	155

MANITOWOC ENGINEERING CO.

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



LIFTCRANE BOOM CAPACITIES 888 SERIES 1

BOOM NO. 22E WITH OPEN THROAT TOP
144,100 LB. COUNTERWEIGHT
28'2" CRAWLERS EXTENDED
CRAWLER MACHINE ON A BARGE
0 DEGREE THRU 3 DEGREE MACHINE LIST
NO TRAVEL - 360 DEGREE RATING

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	0 DEGREE LIST BOOM CAPACITY POUNDS	1 DEGREE LIST BOOM CAPACITY POUNDS	2 DEGREE LIST BOOM CAPACITY POUNDS	3 DEGREE LIST BOOM CAPACITY POUNDS	OPER. RAD. FEET
170	30	81.5	176.2	191,100				30
	32	80.9	175.9	172,300	147,900			32
	34	80.2	175.6	156,600	135,900			34
	36	79.5	175.2	143,400	125,500	111,000		36
	38	78.8	174.8	132,000	116,400	103,600	92,900	38
	40	78.1	174.4	122,200	108,400	97,000	87,400	40
	42	77.4	174.0	113,500	101,400	91,200	82,400	42
	44	76.7	173.5	105,900	95,100	85,900	77,900	44
	46	76.0	173.1	99,200	89,400	81,100	73,800	46
	48	75.3	172.5	93,100	84,300	76,700	70,100	48
	50	74.7	172.0	87,700	79,700	72,700	66,600	50
	55	72.9	170.5	76,200	69,800	64,100	59,100	55
	60	71.1	168.9	67,000	61,700	57,100	52,800	60
	65	69.3	167.1	59,500	55,100	51,100	47,500	65
	70	67.5	165.2	53,200	49,500	46,100	43,000	70
	75	65.7	163.0	47,900	44,700	41,800	39,100	75
	80	63.8	160.6	43,300	40,600	38,000	35,700	80
	85	61.9	158.1	39,400	37,000	34,700	32,600	85
	90	60.0	155.3	35,900	33,800	31,800	30,000	90
	95	58.0	152.3	32,800	31,000	29,200	27,600	95
	100	56.0	149.0	30,100	28,500	26,900	25,400	100
	105	54.0	145.5	27,700	26,200	24,800	23,400	105
	110	51.9	141.8	25,500	24,200	22,900	21,700	110
	115	49.7	137.7	23,500	22,300	21,200	20,100	115
	120	47.4	133.3	21,700	20,600	19,600	18,600	120
180	125	45.1	128.5	20,000	19,100	18,100	17,200	125
	130	42.7	123.3	18,500	17,600	16,800	15,900	130
	135	40.1	117.6	17,100	16,300	15,500	14,800	135
	140	37.4	111.4	15,800	15,100	14,400	13,700	140
	145	34.6	104.5	14,600	14,000	13,300	12,700	145
	150	31.5	96.8	13,500	12,900	12,300	11,700	150
	155	28.1	88.1	12,400	11,900	11,400	10,900	155
	160	24.2	77.9	11,400	11,000	10,500	10,000	160
	165	19.7	65.5	10,500	10,100	9,700	9,300	165
	30	82.0	186.3	190,800				30
	32	81.4	186.0	172,000				32
	34	80.7	185.7	156,300	134,500			34
	36	80.1	185.4	143,000	124,300			36
	38	79.4	185.0	131,700	115,300	102,000		38
	40	78.8	184.6	121,800	107,400	95,500	85,600	40
	42	78.1	184.2	113,200	100,400	89,800	80,800	42
	44	77.5	183.8	105,600	94,200	84,600	76,400	44
	46	76.8	183.3	98,800	88,600	79,900	72,400	46
	48	76.2	182.9	92,700	83,500	75,600	68,700	48
	50	75.5	182.4	87,300	78,900	71,600	65,300	50
	55	73.9	181.0	75,800	69,100	63,200	57,900	55
	60	72.2	179.5	66,600	61,100	56,200	51,800	60
	65	70.5	177.8	59,100	54,500	50,300	46,600	65
	70	68.8	175.9	52,800	48,900	45,300	42,100	70
	75	67.1	173.9	47,500	44,100	41,100	38,200	75
	80	65.4	171.7	42,900	40,000	37,300	34,900	80
	85	63.6	169.3	38,900	36,400	34,100	31,900	85
	90	61.8	166.7	35,500	33,300	31,200	29,200	90
	95	60.0	164.0	32,400	30,400	28,600	26,900	95
	100	58.1	161.0	29,700	27,900	26,300	24,700	100
	105	56.3	157.7	27,300	25,700	24,200	22,800	105
	110	54.3	154.3	25,100	23,700	22,300	21,000	110
	115	52.3	150.5	23,100	21,800	20,600	19,400	115
	120	50.3	146.5	21,300	20,100	19,000	17,900	120
	125	48.2	142.2	19,600	18,600	17,600	16,600	125
	130	46.0	137.6	18,100	17,100	16,200	15,300	130
	135	43.8	132.6	16,700	15,800	15,000	14,200	135
	140	41.4	127.1	15,400	14,600	13,800	13,100	140
	145	38.9	121.2	14,200	13,500	12,800	12,100	145
	150	36.3	114.7	13,100	12,400	11,800	11,200	150
	155	33.6	107.6	12,000	11,400	10,900	10,300	155
	160	30.6	99.6	11,100	10,500	10,000	9,500	160
	165	27.3	90.5	10,100	9,700	9,200	8,700	165
	170	23.6	80.0	9,300	8,800	8,400	8,000	170
	175	19.2	67.2	8,500	8,100	7,700	7,300	175

MANITOWOC ENGINEERING CO.

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



LIFTCRANE BOOM CAPACITIES 888 SERIES 1

BOOM NO. 22E WITH OPEN THROAT TOP
144,100 LB. COUNTERWEIGHT
28'2" CRAWLERS EXTENDED
CRAWLER MACHINE ON A BARGE
0 DEGREE THRU 3 DEGREE MACHINE LIST
NO TRAVEL - 360 DEGREE RATING

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	0 DEGREE LIST BOOM CAPACITY POUNDS	1 DEGREE LIST BOOM CAPACITY POUNDS	2 DEGREE LIST BOOM CAPACITY POUNDS	3 DEGREE LIST BOOM CAPACITY POUNDS	OPER. RAD. FEET
190	32	81.8	196.1	171,800				32
	34	81.2	195.8	156,100				34
	36	80.6	195.5	142,800	123,100			36
	38	80.0	195.2	131,400	114,200	100,400		38
	40	79.4	194.8	121,500	106,400	94,100		40
	42	78.8	194.4	112,900	99,500	88,400	79,100	42
	44	78.2	194.0	105,200	93,300	83,300	74,800	44
	46	77.5	193.6	98,500	87,700	78,700	70,900	46
	48	76.9	193.1	92,400	82,700	74,400	67,300	48
	50	76.3	192.7	86,900	78,100	70,500	64,000	50
	55	74.7	191.4	75,400	68,300	62,200	56,700	55
	60	73.2	189.9	66,200	60,400	55,200	50,700	60
	65	71.6	188.3	58,600	53,800	49,400	45,600	65
	70	70.0	186.6	52,300	48,200	44,500	41,200	70
	75	68.4	184.7	47,000	43,500	40,300	37,300	75
	80	66.8	182.6	42,400	39,400	36,600	34,000	80
	85	65.1	180.4	38,500	35,800	33,300	31,000	85
	90	63.4	178.0	35,000	32,600	30,500	28,400	90
	95	61.7	175.4	31,900	29,800	27,900	26,100	95
	100	60.0	172.6	29,200	27,300	25,600	23,900	100
	105	58.2	169.6	26,800	25,100	23,500	22,000	105
	110	56.5	166.4	24,600	23,100	21,600	20,300	110
	115	54.6	163.0	22,600	21,200	19,900	18,700	115
	120	52.8	159.3	20,800	19,500	18,300	17,200	120
	125	50.8	155.4	19,100	18,000	16,900	15,900	125
	130	48.9	151.2	17,600	16,600	15,600	14,600	130
	135	46.8	146.6	16,200	15,200	14,300	13,500	135
	140	44.7	141.8	14,900	14,000	13,200	12,400	140
	145	42.5	136.5	13,700	12,900	12,100	11,400	145
	150	40.3	130.8	12,600	11,800	11,200	10,500	150
	155	37.9	124.7	11,500	10,900	10,200	9,600	155
	160	35.3	118.0	10,600	9,900	9,400	8,800	160
	165	32.6	110.5	9,600	9,100	8,500	8,000	165
	170	29.7	102.3	8,800	8,300	7,800	7,300	170
	175	26.5	92.9	8,000	7,500	7,100	6,600	175
	180	22.9	82.1	7,200	6,800	6,400	6,000	180
	185	18.7	68.9	6,400	6,100	5,700	5,400	185

MANITOWOC ENGINEERING CO.

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LIFTCRANE BOOM CAPACITIES 888 SERIES 1

BOOM NO. 22E WITH OPEN THROAT TOP
144,100 LB. COUNTERWEIGHT
28'2" CRAWLERS EXTENDED
CRAWLER MACHINE ON A BARGE
0 DEGREE THRU 3 DEGREE MACHINE LIST
NO TRAVEL - 360 DEGREE RATING

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	0 DEGREE LIST BOOM CAPACITY POUNDS	1 DEGREE LIST BOOM CAPACITY POUNDS	2 DEGREE LIST BOOM CAPACITY POUNDS	3 DEGREE LIST BOOM CAPACITY POUNDS	OPER. RAD. FEET
200	34	81.7	206.0	155,700				34
	36	81.1	205.7	142,400				36
	38	80.5	205.3	131,000	113,100			38
	40	79.9	205.0	121,100	105,400	92,600		40
	42	79.3	204.6	112,500	98,500	87,000		42
	44	78.8	204.2	104,800	92,300	82,000	73,300	44
	46	78.2	203.8	98,000	86,800	77,400	69,500	46
	48	77.6	203.4	92,000	81,800	73,300	65,900	48
	50	77.0	202.9	86,500	77,300	69,400	62,700	50
	55	75.5	201.7	75,000	67,600	61,200	55,600	55
	60	74.0	200.4	65,700	59,700	54,300	49,600	60
	65	72.5	198.9	58,200	53,100	48,600	44,600	65
	70	71.0	197.2	51,900	47,600	43,700	40,200	70
	75	69.5	195.4	46,500	42,900	39,500	36,500	75
	80	68.0	193.5	42,000	38,800	35,900	33,200	80
	85	66.4	191.4	38,000	35,200	32,600	30,300	85
	90	64.8	189.1	34,500	32,100	29,800	27,700	90
	95	63.3	186.7	31,500	29,300	27,200	25,300	95
	100	61.6	184.1	28,700	26,800	25,000	23,200	100
	105	60.0	181.3	26,300	24,500	22,900	21,300	105
	110	58.3	178.3	24,100	22,500	21,000	19,600	110
	115	56.6	175.1	22,100	20,700	19,300	18,000	115
	120	54.9	171.7	20,300	19,000	17,800	16,600	120
	125	53.1	168.1	18,700	17,500	16,300	15,200	125
	130	51.3	164.2	17,100	16,000	15,000	14,000	130
	135	49.5	160.1	15,700	14,700	13,800	12,900	135
	140	47.5	155.6	14,400	13,500	12,600	11,800	140
	145	45.6	150.9	13,200	12,400	11,600	10,800	145
	150	43.5	145.8	12,100	11,400	10,600	9,900	150
	155	41.4	140.4	11,100	10,400	9,700	9,000	155
	160	39.2	134.5	10,100	9,500	8,800	8,200	160
	165	36.9	128.1	9,200	8,600	8,000	7,400	165
	170	34.4	121.1	8,300	7,800	7,200	6,700	170
	175	31.8	113.4	7,500	7,000	6,500	6,000	175
	180	29.0	104.9	6,800	6,300	5,800	5,400	180
	185	25.8	95.2	6,000	5,600	5,200	4,800	185
	190	22.3	84.1	5,300	5,000	4,600	4,200	190
	195	18.2	70.5	4,700	4,300	4,000		195

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LIFTCRANE BOOM CAPACITIES 888 SERIES 1

BOOM NO. 22E WITH OPEN THROAT TOP

144,100 LB. COUNTERWEIGHT

28'2" CRAWLERS EXTENDED

CRAWLER MACHINE ON A BARGE

0 DEGREE THRU 3 DEGREE MACHINE LIST

NO TRAVEL - 360 DEGREE RATING

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	0 DEGREE LIST BOOM CAPACITY POUNDS	1 DEGREE LIST BOOM CAPACITY POUNDS	2 DEGREE LIST BOOM CAPACITY POUNDS	3 DEGREE LIST BOOM CAPACITY POUNDS	OPER. RAD. FEET
2 1 0	36	81.5	215.8	142,100				36
	38	81.0	215.5	130,700	112,100			38
	40	80.4	215.1	120,800	104,400			40
	42	79.9	214.8	112,200	97,600	83,900*		42
	44	79.3	214.4	104,500	91,500	80,800		44
	46	78.7	214.0	97,700	86,000	76,300	65,100*	46
	48	78.2	213.6	91,700	81,100	72,200	64,700	48
	50	77.6	213.2	86,200	76,600	68,500	61,500	50
	55	76.2	212.0	74,600	66,900	60,300	54,500	55
	60	74.8	210.7	65,400	59,100	53,600	48,700	60
	65	73.4	209.3	57,800	52,600	47,900	43,700	65
	70	72.0	207.8	51,500	47,100	43,100	39,500	70
	75	70.5	206.1	46,200	42,400	38,900	35,700	75
	80	69.1	204.2	41,600	38,300	35,300	32,500	80
	85	67.6	202.2	37,700	34,700	32,100	29,600	85
	90	66.1	200.1	34,200	31,600	29,200	27,000	90
	95	64.6	197.8	31,100	28,800	26,700	24,700	95
	100	63.1	195.4	28,400	26,300	24,400	22,700	100
	105	61.6	192.7	26,000	24,100	22,400	20,800	105
	110	60.0	189.9	23,800	22,100	20,500	19,100	110
	115	58.4	187.0	21,800	20,300	18,800	17,500	115
	120	56.8	183.8	20,000	18,600	17,300	16,100	120
	125	55.2	180.4	18,300	17,100	15,900	14,700	125
	130	53.5	176.8	16,800	15,600	14,500	13,500	130
	135	51.8	173.0	15,400	14,300	13,300	12,400	135
	140	50.0	168.9	14,100	13,100	12,200	11,300	140
	145	48.2	164.6	12,900	12,000	11,200	10,300	145
	150	46.3	160.0	11,800	11,000	10,200	9,400	150
	155	44.4	155.0	10,800	10,000	9,300	8,600	155
	160	42.4	149.8	9,800	9,100	8,400	7,700	160
	165	40.4	144.1	8,900	8,200	7,600	7,000	165
	170	38.2	138.0	8,000	7,400	6,800	6,300	170
	175	36.0	131.4	7,200	6,700	6,100	5,600	175
	180	33.6	124.2	6,500	5,900	5,400	5,000	180
	185	31.0	116.2	5,700	5,300	4,800	4,400	185
	190	28.2	107.4	5,000	4,600	4,200		190
	195	25.2	97.5	4,400	4,000			195

MANITOWOC ENGINEERING CO.

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



LIFTCRANE BOOM CAPACITIES

888 SERIES 1

BOOM NO. 22E WITH OPEN THROAT TOP

144,100 LB. COUNTERWEIGHT

28'2" CRAWLERS EXTENDED

CRAWLER MACHINE ON A BARGE

0 DEGREE THRU 3 DEGREE MACHINE LIST

NO TRAVEL - 360 DEGREE RATING

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	0 DEGREE LIST BOOM CAPACITY POUNDS	1 DEGREE LIST BOOM CAPACITY POUNDS	2 DEGREE LIST BOOM CAPACITY POUNDS	3 DEGREE LIST BOOM CAPACITY POUNDS	OPER. RAD. FEET
220	36	81.9	225.9	141,800				36
	38	81.4	225.6	130,300				38
	40	80.8	225.3	120,400	101,800*			40
	42	80.3	224.9	111,800	96,600			42
	44	79.8	224.6	104,100	90,600	74,800*		44
	46	79.3	224.2	97,300	85,200	74,700*		46
	48	78.7	223.8	91,300	80,200	71,100	57,600*	48
	50	78.2	223.4	85,800	75,800	67,400	57,500*	50
	55	76.9	222.3	74,200	66,200	59,300	53,400	55
	60	75.5	221.1	65,000	58,400	52,700	47,700	60
	65	74.2	219.7	57,400	51,900	47,100	42,800	65
	70	72.8	218.2	51,100	46,400	42,300	38,600	70
	75	71.4	216.6	45,800	41,700	38,200	34,900	75
	80	70.1	214.9	41,200	37,700	34,600	31,700	80
	85	68.7	213.0	37,200	34,200	31,400	28,800	85
	90	67.3	211.0	33,700	31,000	28,600	26,300	90
	95	65.9	208.8	30,700	28,300	26,100	24,000	95
	100	64.4	206.5	28,000	25,800	23,800	22,000	100
	105	63.0	204.0	25,500	23,600	21,800	20,100	105
	110	61.5	201.4	23,300	21,600	19,900	18,400	110
230	115	60.0	198.6	21,300	19,700	18,300	16,900	115
	120	58.5	195.6	19,500	18,100	16,700	15,400	120
	125	56.9	192.5	17,900	16,500	15,300	14,100	125
	130	55.4	189.1	16,300	15,100	14,000	12,900	130
	135	53.8	185.6	14,900	13,800	12,800	11,800	135
	140	52.1	181.8	13,700	12,600	11,700	10,700	140
	145	50.5	177.8	12,500	11,500	10,600	9,700	145
	150	48.8	173.5	11,300	10,500	9,600	8,800	150
	155	47.0	169.0	10,300	9,500	8,700	8,000	155
	160	45.2	164.2	9,300	8,600	7,900	7,200	160
	165	43.3	159.1	8,400	7,700	7,100	6,400	165
	170	41.4	153.6	7,600	6,900	6,300	5,700	170
	175	39.4	147.7	6,800	6,200	5,600	5,000	175
	180	37.3	141.4	6,000	5,500	4,900	4,400	180
	185	35.1	134.6	5,300	4,800	4,300		185
	190	32.8	127.1	4,600	4,100			190
	195	30.3	119.0	4,000				195
	38	81.8	235.7	130,100				38
	40	81.2	235.4	120,200				40
	42	80.7	235.1	111,500	91,100*			42
	44	80.2	234.7	103,800	89,700			44
	46	79.7	234.4	97,000	84,300	66,400*		46
	48	79.2	234.0	90,900	79,400	66,300*		48
	50	78.7	233.6	85,400	75,000	66,200*	50,600*	50
	55	77.4	232.6	73,800	65,500	58,400	50,400*	55
	60	76.2	231.4	64,600	57,700	51,800	46,600	60
	65	74.9	230.1	57,000	51,200	46,200	41,800	65
	70	73.6	228.7	50,700	45,800	41,500	37,700	70
	75	72.3	227.2	45,300	41,100	37,400	34,000	75
	80	71.0	225.5	40,700	37,100	33,800	30,900	80
	85	69.6	223.7	36,700	33,600	30,700	28,000	85
	90	68.3	221.8	33,300	30,400	27,900	25,500	90
	95	67.0	219.7	30,200	27,700	25,400	23,300	95
	100	65.6	217.5	27,500	25,200	23,100	21,200	100
	105	64.2	215.2	25,000	23,000	21,100	19,400	105
	110	62.8	212.7	22,800	21,000	19,300	17,700	110
	115	61.4	210.1	20,800	19,100	17,600	16,100	115
	120	60.0	207.3	19,000	17,500	16,100	14,700	120
	125	58.6	204.3	17,300	16,000	14,600	13,400	125
	130	57.1	201.1	15,800	14,500	13,300	12,200	130
	135	55.6	197.8	14,400	13,200	12,100	11,100	135
	140	54.1	194.3	13,100	12,000	11,000	10,000	140
	145	52.5	190.6	11,900	10,900	10,000	9,100	145
	150	50.9	186.6	10,800	9,900	9,000	8,200	150
	155	49.3	182.4	9,800	8,900	8,100	7,300	155
	160	47.6	178.0	8,800	8,000	7,200	6,500	160
	165	45.9	173.3	7,900	7,200	6,400	5,800	165
	170	44.2	168.3	7,000	6,400	5,700	5,100	170
	175	42.3	163.0	6,200	5,600	5,000	4,400	175
	180	40.5	157.3	5,500	4,900	4,300		180
	185	38.5	151.2	4,800	4,200			185
	190	36.5	144.7	4,100				190

MANITOWOC ENGINEERING CO.

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888 SERIES 1

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144,100 LB. COUNTERWEIGHT

28'2" CRAWLERS EXTENDED

CRAWLER MACHINE ON A BARGE

0 DEGREE THRU 3 DEGREE MACHINE LIST

NO TRAVEL - 360 DEGREE RATING

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	0 DEGREE LIST BOOM CAPACITY POUNDS	1 DEGREE LIST BOOM CAPACITY POUNDS	2 DEGREE LIST BOOM CAPACITY POUNDS	3 DEGREE LIST BOOM CAPACITY POUNDS	OPER. RAD. FEET
240	40	81.6	245.5	119,900				40
	42	81.1	245.2	111,200				42
	44	80.6	244.9	103,500	82,100*			44
	46	80.2	244.5	96,700	81,900*			46
	48	79.7	244.2	90,600	78,700	59,300*		48
	50	79.2	243.8	85,100	74,300	59,200*		50
	55	78.0	242.8	73,500	64,800	57,500	44,600*	55
	60	76.8	241.7	64,200	57,100	51,000	44,400*	60
	65	75.5	240.4	56,600	50,600	45,500	40,900	65
	70	74.3	239.1	50,300	45,200	40,800	36,800	70
	75	73.0	237.6	44,900	40,600	36,700	33,300	75
	80	71.8	236.0	40,300	36,500	33,200	30,100	80
	85	70.5	234.3	36,300	33,000	30,000	27,300	85
	90	69.3	232.5	32,900	29,900	27,300	24,800	90
	95	68.0	230.6	29,800	27,200	24,800	22,600	95
	100	66.7	228.5	27,000	24,700	22,600	20,600	100
	105	65.4	226.2	24,600	22,500	20,600	18,700	105
	110	64.1	223.9	22,400	20,500	18,700	17,100	110
	115	62.7	221.4	20,400	18,700	17,100	15,500	115
	120	61.4	218.7	18,600	17,000	15,500	14,100	120
250	125	60.0	215.9	16,900	15,500	14,100	12,800	125
	130	58.6	212.9	15,400	14,100	12,800	11,600	130
	135	57.2	209.8	14,000	12,800	11,600	10,500	135
	140	55.8	206.5	12,700	11,600	10,500	9,500	140
	145	54.3	203.0	11,500	10,500	9,500	8,500	145
	150	52.8	199.3	10,400	9,400	8,500	7,600	150
	155	51.3	195.4	9,400	8,500	7,600	6,800	155
	160	49.8	191.3	8,400	7,600	6,800	6,000	160
	165	48.2	187.0	7,500	6,700	6,000	5,200	165
	170	46.6	182.4	6,600	5,900	5,200	4,500	170
	175	44.9	177.5	5,800	5,100	4,500		175
	180	43.2	172.3	5,100	4,400			180
	185	41.4	166.8	4,300				185
	40	82.0	255.6	110,900*				40
	42	81.5	255.3	110,500*				42
	44	81.0	255.0	103,200	73,800*			44
	46	80.6	254.7	96,300	73,600*			46
	48	80.1	254.3	90,200	73,400*			48
	50	79.6	254.0	84,700	73,300*	52,700*		50
	55	78.5	253.0	73,100	64,100	52,500*	39,300*	55
	60	77.3	251.9	63,800	56,500	50,200	39,100*	60
	65	76.1	250.8	56,200	50,100	44,700	39,000*	65
	70	74.9	249.5	49,900	44,700	40,100	36,000	70
	75	73.7	248.1	44,500	40,000	36,100	32,500	75
	80	72.5	246.6	39,900	36,000	32,500	29,400	80
	85	71.3	244.9	36,000	32,500	29,400	26,600	85
	90	70.1	243.2	32,500	29,400	26,700	24,200	90
	95	68.9	241.3	29,400	26,700	24,200	22,000	95
	100	67.7	239.3	26,700	24,200	22,000	20,000	100
	105	66.4	237.2	24,200	22,000	20,000	18,200	105
	110	65.2	235.0	22,000	20,000	18,200	16,500	110
	115	63.9	232.6	20,000	18,200	16,500	15,000	115
	120	62.6	230.0	18,200	16,600	15,000	13,600	120
	125	61.3	227.4	16,500	15,000	13,600	12,300	125
	130	60.0	224.6	15,000	13,600	12,300	11,100	130
	135	58.7	221.6	13,600	12,300	11,100	10,000	135
	140	57.3	218.5	12,300	11,100	10,000	9,000	140
	145	55.9	215.2	11,100	10,000	9,000	8,000	145
	150	54.5	211.7	10,000	9,000	8,000	7,100	150
	155	53.1	208.1	9,000	8,000	7,100	6,300	155
	160	51.7	204.2	8,000	7,100	6,300	5,500	160
	165	50.2	200.2	7,100	6,300	5,500	4,800	165
	170	48.7	195.9	6,200	5,500	4,800	4,000	170
	175	47.2	191.4	5,400	4,700	4,000		175
	180	45.6	186.6	4,700	4,000			180
	185	43.9	181.6	4,000				185

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NO TRAVEL - 360 DEGREE RATING

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	0 DEGREE LIST BOOM CAPACITY POUNDS
2 6 0	42	81.8	265.4	101,000*
	44	81.4	265.1	100,600*
	46	80.9	264.8	95,900
	48	80.5	264.5	89,800
	50	80.0	264.1	84,300
	55	78.9	263.2	72,700
	60	77.8	262.2	63,400
	65	76.7	261.1	55,800
	70	75.5	259.8	49,400
	75	74.4	258.5	44,100
	80	73.2	257.0	39,500
	85	72.1	255.5	35,500
	90	70.9	253.8	32,000
	95	69.7	252.0	28,900
	100	68.6	250.1	26,200
	105	67.4	248.1	23,700
	110	66.2	245.9	21,500
	115	65.0	243.7	19,500
	120	63.7	241.3	17,700
	125	62.5	238.7	16,100
	130	61.3	236.0	14,500
	135	60.0	233.2	13,100
	140	58.7	230.3	11,800
	145	57.4	227.2	10,600
	150	56.1	223.9	9,500
	155	54.8	220.4	8,500
	160	53.4	216.8	7,500
	165	52.0	213.0	6,600
	170	50.6	209.0	5,800
	175	49.2	204.8	5,000
	180	47.7	200.4	4,200