

MANITOWOC ENGINEERING CO.

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



LIFTCRANE BOOM CAPACITIES

888 SERIES 2

BOOM NO. 22E WITH OPEN THROAT TOP
179,100 LB. CRANE COUNTERWEIGHT
44,000 LB. CARBODY 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 RADI I 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 RADI I 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 RADI US 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 RADI US. IN ALL CASES, OPERATING RADI US 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, 179,100 LB. CRANE COUNTERWEIGHT, AND 44,000 LB. CARBODY 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	OVER REAR OF BLOCKED CRAWLERS	OVER SIDE OF EXTENDED CRAWLERS
	BOOM LENGTH	BOOM LENGTH	BOOM LENGTH
0 DEGREE	260'	260'	(a) 260'
1 DEGREE	250'	250'	250'
2 DEGREE	250'	250'	250'
3 DEGREE	250'	250'	250'

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 LIFTED OVER SIDE OF EXTENDED CRAWLERS ON 260' BOOM.

MAXIMUM BOOM LENGTH LIFTED UNASSISTED WITH AUXILIARY DRUM IN BOOM BUTT			
LIST	OVER FRONT OF BLOCKED CRAWLERS	OVER REAR OF BLOCKED CRAWLERS	OVER SIDE OF EXTENDED CRAWLERS
	BOOM LENGTH	BOOM LENGTH	BOOM LENGTH
0 DEGREE	260'	260'	250'
1 DEGREE	250'	250'	250'
2 DEGREE	250'	250'	250'
3 DEGREE	250'	250'	250'

LOAD BLOCK, HOOK AND WEIGHT BALL ON BARGE AT START. JIB IS NOT TO BE USED ON CRAWLER MACHINE WHILE OPERATING ON A BARGE.



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**BOOM NO. 22E WITH OPEN THROAT TOP
 179,100 LB. CRANE COUNTERWEIGHT
 44,000 LB. CARBODY 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
70	15	81.8	77.4	460,000*				15
	16	81.0	77.2	434,600*				16
	17	80.1	77.0	410,800*				17
	18	79.3	76.9	389,300*				18
	19	78.5	76.7	370,000*	339,900*			19
	20	77.6	76.4	352,400*	328,000*			20
	22	75.9	76.0	321,600*	301,000*			22
	24	74.3	75.4	295,600*	277,900*			24
	26	72.5	74.8	273,300*	258,000*	237,200*		26
	28	70.8	74.2	254,000*	240,600*	228,400*		28
	30	69.1	73.5	237,200*	224,100	208,900	180,800*	30
	32	67.3	72.7	218,300	204,000	191,200	176,900*	32
	34	65.5	71.8	199,100	187,100	176,200	165,800*	34
	36	63.7	70.8	183,000	172,600	163,200	154,600	36
	38	61.9	69.8	169,100	160,100	151,900	144,300	38
	40	60.0	68.7	157,000	149,200	142,000	135,300	40
	42	58.1	67.5	146,500	139,700	133,300	127,300	42
	44	56.1	66.2	137,200	131,100	125,500	120,100	44
	46	54.1	64.8	128,900	123,500	118,500	113,700	46
	48	52.1	63.3	121,500	116,700	112,200	107,900	48
50	50.0	61.7	114,800	110,500	106,400	102,500	50	
55	44.4	57.1	100,700	97,400	94,200	91,200	55	
60	38.2	51.4	89,400	86,800	84,300	81,900	60	
65	31.0	44.1	80,200	78,100	76,200	74,300	65	
70	21.8	34.0	72,400	70,800	69,400	67,900	70	
80	17	81.4	87.2	410,100*				17
	18	80.6	87.0	388,700*				18
	19	79.9	86.8	369,300*	326,000*			19
	20	79.2	86.7	351,800*	324,800*			20
	22	77.7	86.2	321,000*	298,100*			22
	24	76.3	85.8	295,000*	275,400*			24
	26	74.8	85.3	272,700*	255,700*	229,800*		26
	28	73.3	84.7	253,400*	238,500*	225,000*		28
	30	71.8	84.1	236,500*	222,200	205,400	176,500*	30
	32	70.3	83.4	218,400	202,300	188,200	175,600	32
	34	68.7	82.6	199,200	185,600	173,500	162,600	34
	36	67.2	81.8	183,000	171,300	160,800	151,300	36
	38	65.6	80.9	169,100	159,000	149,800	141,400	38
	40	64.1	80.0	157,000	148,200	140,100	132,700	40
	42	62.5	79.0	146,400	138,700	131,500	124,900	42
	44	60.8	77.9	137,100	130,200	123,800	117,900	44
	46	59.2	76.8	128,800	122,700	117,000	111,600	46
	48	57.5	75.5	121,400	115,900	110,700	105,900	48
	50	55.8	74.2	114,700	109,800	105,100	100,700	50
	55	51.3	70.5	100,600	96,700	93,100	89,500	55
60	46.6	66.2	89,300	86,200	83,300	80,400	60	
65	41.4	61.0	80,100	77,600	75,200	72,900	65	
70	35.7	54.7	72,300	70,300	68,400	66,500	70	
75	29.0	46.8	65,700	64,100	62,600	61,000	75	
80	20.4	35.9	60,000	58,800	57,600	56,400	80	



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 44,000 LB. CARBODY COUNTERWEIGHT
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 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
90	18	81.7	97.1	378,000*				18
	19	81.1	97.0	368,600*				19
	20	80.4	96.8	351,000*	315,800*			20
	22	79.1	96.4	320,300*	295,200*	242,900*		22
	24	77.8	96.0	294,200*	272,700*	242,900*		24
	26	76.5	95.6	272,000*	253,300*	236,700*		26
	28	75.2	95.1	252,700*	236,300*	221,700*	189,000*	28
	30	73.9	94.5	235,800*	220,200	201,900	186,100	30
	32	72.5	93.9	218,300	200,600	185,200	171,600	32
	34	71.2	93.3	199,100	184,100	170,800	159,100	34
	36	69.9	92.6	182,900	170,000	158,500	148,200	36
	38	68.5	91.8	168,900	157,700	147,700	138,600	38
	40	67.1	91.0	156,800	147,000	138,200	130,100	40
	42	65.7	90.1	146,300	137,600	129,700	122,500	42
	44	64.3	89.2	136,900	129,200	122,200	115,700	44
	46	62.9	88.2	128,600	121,800	115,400	109,500	46
	48	61.5	87.1	121,200	115,000	109,300	104,000	48
	50	60.0	86.0	114,500	108,900	103,700	98,900	50
	55	56.3	82.9	100,400	96,000	91,800	87,900	55
	60	52.3	79.3	89,100	85,500	82,200	79,000	60
65	48.2	75.2	79,800	76,900	74,200	71,500	65	
70	43.8	70.3	72,100	69,700	67,400	65,200	70	
75	38.9	64.6	65,500	63,500	61,600	59,800	75	
80	33.6	57.8	59,900	58,200	56,700	55,100	80	
85	27.3	49.3	54,900	53,600	52,300	51,100	85	
90	19.2	37.6	50,600	49,600	48,500	47,500	90	
100	19	82.0	107.1	364,000*				19
	20	81.4	106.9	350,600*				20
	22	80.2	106.6	319,800*	292,600*			22
	24	79.0	106.2	293,800*	270,400*	233,200*	182,800*	24
	26	77.9	105.8	271,500*	251,200*	233,200*	182,800*	26
	28	76.7	105.4	252,200*	234,400*	218,000	182,800*	28
	30	75.5	104.9	235,300*	218,300	198,700	181,900	30
	32	74.3	104.4	218,400	199,000	182,400	167,900	32
	34	73.1	103.8	199,200	182,700	168,400	155,900	34
	36	71.9	103.1	182,900	168,700	156,300	145,300	36
	38	70.7	102.5	168,900	156,600	145,700	136,000	38
	40	69.5	101.7	156,800	146,000	136,400	127,700	40
	42	68.3	101.0	146,200	136,700	128,100	120,300	42
	44	67.0	100.2	136,900	128,400	120,700	113,700	44
	46	65.8	99.3	128,600	121,000	114,000	107,700	46
	48	64.5	98.4	121,100	114,300	108,000	102,200	48
	50	63.3	97.4	114,400	108,200	102,500	97,300	50
	55	60.0	94.7	100,300	95,400	90,800	86,500	55
	60	56.6	91.6	88,900	85,000	81,200	77,700	60
	65	53.1	88.1	79,600	76,400	73,300	70,400	65
70	49.5	84.1	71,900	69,200	66,600	64,200	70	
75	45.6	79.5	65,300	63,100	60,900	58,800	75	
80	41.4	74.2	59,700	57,800	56,000	54,200	80	
85	36.9	68.1	54,800	53,200	51,600	50,100	85	
90	31.8	60.7	50,500	49,100	47,800	46,500	90	
95	25.8	51.7	46,700	45,600	44,500	43,400	95	
100	18.2	39.3	43,200	42,300	41,500	40,600	100	

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179,100 LB. CRANE COUNTERWEIGHT

44,000 LB. CARBODY 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
110	22	81.1	116.7	314,400*				22
	24	80.1	116.4	292,900*	256,100*			24
	26	79.0	116.0	270,700*	248,700*	217,000*	175,600*	26
	28	77.9	115.6	251,400*	232,100*	213,000*	175,500*	28
	30	76.9	115.2	234,500*	216,300	195,300	175,500*	30
	32	75.8	114.7	218,300	197,200	179,400	164,200	32
	34	74.7	114.2	199,000	181,100	165,800	152,500	34
	36	73.6	113.6	182,700	167,300	154,000	142,300	36
	38	72.5	113.0	168,700	155,300	143,600	133,200	38
	40	71.4	112.4	156,500	144,800	134,500	125,200	40
	42	70.3	111.7	145,900	135,600	126,300	118,000	42
	44	69.2	110.9	136,500	127,300	119,000	111,500	44
	46	68.1	110.1	128,200	120,000	112,500	105,700	46
	48	67.0	109.3	120,800	113,300	106,500	100,300	48
	50	65.9	108.4	114,100	107,300	101,100	95,500	50
	55	63.0	106.0	99,900	94,500	89,600	85,000	55
	60	60.0	103.3	88,500	84,200	80,100	76,300	60
	65	56.9	100.3	79,200	75,700	72,300	69,100	65
	70	53.8	96.8	71,500	68,500	65,600	62,900	70
	75	50.5	92.9	64,900	62,400	60,000	57,700	75
80	47.0	88.5	59,300	57,100	55,100	53,100	80	
85	43.3	83.6	54,400	52,600	50,800	49,100	85	
90	39.4	77.9	50,100	48,500	47,000	45,500	90	
95	35.1	71.3	46,300	45,000	43,600	42,400	95	
100	30.3	63.5	42,900	41,800	40,600	39,500	100	
105	24.6	53.9	39,900	38,900	37,900	37,000	105	
110	17.3	40.9	37,100	36,300	35,500	34,800	110	
120	22	81.9	126.9	305,900*				22
	24	80.9	126.6	292,300*	248,600*			24
	26	79.9	126.2	270,000*	243,200*	210,600*		26
	28	78.9	125.8	250,700*	230,100*	206,600*	168,800*	28
	30	78.0	125.4	233,800*	214,200	192,000	168,700*	30
	32	77.0	125.0	218,000	195,400	176,500	160,500	32
	34	76.0	124.5	198,700	179,500	163,200	149,300	34
	36	75.0	124.0	182,400	165,900	151,700	139,400	36
	38	74.0	123.4	168,400	154,000	141,500	130,600	38
	40	73.0	122.9	156,300	143,600	132,600	122,800	40
	42	72.0	122.2	145,600	134,500	124,600	115,800	42
	44	71.0	121.6	136,300	126,300	117,500	109,500	44
	46	70.0	120.8	127,900	119,000	111,000	103,800	46
	48	69.0	120.1	120,500	112,400	105,200	98,600	48
	50	68.0	119.3	113,800	106,500	99,900	93,800	50
	55	65.4	117.2	99,600	93,800	88,400	83,500	55
	60	62.7	114.7	88,200	83,500	79,100	75,100	60
	65	60.0	112.0	79,000	75,000	71,400	68,000	65
	70	57.2	108.9	71,200	67,900	64,800	61,900	70
	75	54.3	105.5	64,600	61,900	59,200	56,700	75
80	51.3	101.7	59,000	56,600	54,300	52,200	80	
85	48.2	97.5	54,100	52,100	50,100	48,200	85	
90	44.9	92.8	49,800	48,100	46,300	44,700	90	
95	41.4	87.4	46,100	44,500	43,000	41,600	95	
100	37.7	81.4	42,700	41,300	40,000	38,800	100	
105	33.6	74.4	39,600	38,500	37,400	36,200	105	
110	29.0	66.2	36,900	35,900	34,900	34,000	110	
115	23.6	56.0	34,400	33,600	32,700	31,900	115	
120	16.6	42.3	32,100	31,400	30,700	30,100	120	



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 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
130	24	81.6	136.7	277,300*				24
	26	80.7	136.4	269,600*	220,800*			26
	28	79.8	136.0	250,400*	216,500*	184,400*		28
	30	78.9	135.6	233,500*	212,400*	181,300*	158,500*	30
	32	78.0	135.2	218,100	193,900	174,000	156,100*	32
	34	77.1	134.8	198,800	178,200	161,000	146,400	34
	36	76.2	134.3	182,400	164,700	149,700	136,800	36
	38	75.3	133.8	168,400	153,000	139,800	128,300	38
	40	74.4	133.3	156,300	142,700	131,000	120,800	40
	42	73.5	132.7	145,600	133,600	123,200	113,900	42
	44	72.5	132.1	136,200	125,600	116,100	107,800	44
	46	71.6	131.4	127,900	118,300	109,800	102,200	46
	48	70.7	130.8	120,400	111,800	104,100	97,100	48
	50	69.7	130.0	113,700	105,900	98,800	92,500	50
	55	67.4	128.1	99,500	93,300	87,600	82,400	55
	60	65.0	125.9	88,200	83,100	78,400	74,000	60
	65	62.5	123.4	78,900	74,600	70,700	67,100	65
	70	60.0	120.7	71,100	67,500	64,200	61,100	70
	75	57.4	117.6	64,500	61,500	58,700	56,000	75
	80	54.8	114.3	58,900	56,300	53,800	51,500	80
85	52.0	110.5	54,000	51,800	49,600	47,600	85	
90	49.2	106.4	49,700	47,800	45,900	44,100	90	
95	46.2	101.9	46,000	44,200	42,600	41,000	95	
100	43.0	96.8	42,600	41,100	39,600	38,200	100	
105	39.7	91.1	39,600	38,200	37,000	35,700	105	
110	36.1	84.7	36,800	35,700	34,600	33,500	110	
115	32.2	77.4	34,400	33,400	32,400	31,400	115	
120	27.8	68.7	32,100	31,200	30,400	29,500	120	
125	22.6	58.1	30,000	29,300	28,500	27,800	125	
130	15.9	43.8	28,100	27,500	26,900	26,200	130	
140	26	81.4	146.5	260,300*				26
	28	80.5	146.2	249,700*	208,000*			28
	30	79.7	145.8	232,800*	204,100*	174,400*		30
	32	78.9	145.4	217,800	192,100	171,200	146,100*	32
	34	78.0	145.0	198,500	176,600	158,600	143,400	34
	36	77.2	144.6	182,100	163,300	147,500	134,100	36
	38	76.4	144.1	168,100	151,700	137,800	125,800	38
	40	75.5	143.6	155,900	141,500	129,200	118,500	40
	42	74.7	143.1	145,300	132,500	121,500	111,800	42
	44	73.8	142.5	135,900	124,500	114,600	105,800	44
	46	73.0	141.9	127,600	117,300	108,400	100,400	46
	48	72.1	141.3	120,100	110,900	102,700	95,400	48
	50	71.3	140.6	113,400	105,000	97,500	90,900	50
	55	69.1	138.8	99,200	92,500	86,500	81,000	55
	60	66.9	136.8	87,800	82,400	77,400	72,800	60
	65	64.6	134.6	78,500	74,000	69,800	65,900	65
	70	62.3	132.1	70,800	66,900	63,400	60,100	70
	75	60.0	129.3	64,200	60,900	57,900	55,000	75
	80	57.6	126.3	58,600	55,700	53,100	50,600	80
	85	55.2	123.0	53,700	51,200	48,900	46,700	85
90	52.6	119.3	49,400	47,300	45,200	43,300	90	
95	50.0	115.3	45,600	43,700	41,900	40,200	95	
100	47.3	110.9	42,300	40,600	39,000	37,500	100	
105	44.4	106.0	39,200	37,800	36,400	35,000	105	
110	41.4	100.7	36,500	35,200	34,000	32,700	110	
115	38.2	94.7	34,100	32,900	31,800	30,700	115	
120	34.8	87.9	31,800	30,800	29,800	28,800	120	
125	31.0	80.2	29,700	28,800	28,000	27,100	125	
130	26.8	71.1	27,900	27,100	26,300	25,500	130	
135	21.8	60.0	26,100	25,400	24,700	24,100	135	
140	15.4	45.2	24,400	23,900	23,300	22,800	140	



LIFTCRANE BOOM CAPACITIES 888 SERIES 2

BOOM NO. 22E WITH OPEN THROAT TOP
179,100 LB. CRANE COUNTERWEIGHT
44,000 LB. CARBODY 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	235,500*				28
	30	80.4	156.0	230,700*	184,800*			30
	32	79.6	155.6	217,100*	181,700*	152,900*		32
	34	78.9	155.2	198,300	175,100	150,600*	130,300*	34
	36	78.1	154.8	181,900	161,900	145,300	128,600*	36
	38	77.3	154.4	167,800	150,400	135,800	123,400	38
	40	76.5	153.9	155,600	140,300	127,400	116,200	40
	42	75.7	153.4	145,000	131,400	119,800	109,700	42
	44	74.9	152.9	135,600	123,500	113,000	103,900	44
	46	74.1	152.4	127,200	116,300	106,900	98,500	46
	48	73.3	151.8	119,700	109,900	101,300	93,700	48
	50	72.5	151.2	113,000	104,100	96,200	89,200	50
	55	70.5	149.5	98,800	91,600	85,300	79,500	55
	60	68.5	147.6	87,400	81,600	76,300	71,500	60
	65	66.4	145.5	78,100	73,200	68,800	64,700	65
	70	64.3	143.3	70,300	66,200	62,400	58,900	70
	75	62.2	140.7	63,700	60,200	57,000	53,900	75
	80	60.0	138.0	58,100	55,100	52,200	49,600	80
	85	57.8	135.0	53,200	50,600	48,100	45,800	85
	90	55.5	131.7	48,900	46,600	44,400	42,400	90
	95	53.1	128.1	45,100	43,100	41,200	39,300	95
100	50.7	124.2	41,800	40,000	38,200	36,600	100	
105	48.2	119.9	38,700	37,100	35,600	34,100	105	
110	45.6	115.2	36,000	34,600	33,200	31,900	110	
115	42.8	110.0	33,600	32,300	31,100	29,900	115	
120	39.9	104.4	31,300	30,200	29,100	28,000	120	
125	36.9	98.1	29,300	28,200	27,300	26,300	125	
130	33.6	91.0	27,400	26,500	25,600	24,700	130	
135	29.9	82.9	25,600	24,800	24,000	23,300	135	
140	25.8	73.5	24,000	23,300	22,600	21,900	140	
145	21.0	61.9	22,500	21,900	21,300	20,700	145	
160	28	81.7	166.4	225,000*				28
	30	81.0	166.1	220,500*	176,800*			30
	32	80.3	165.8	216,100*	173,800*			32
	34	79.6	165.4	197,900	170,800*	144,200*		34
	36	78.8	165.0	181,500	160,400	142,100*	123,300*	36
	38	78.1	164.6	167,500	149,100	133,800	121,000	38
	40	77.4	164.2	155,300	139,100	125,500	114,000	40
	42	76.6	163.7	144,600	130,300	118,100	107,700	42
	44	75.9	163.2	135,200	122,400	111,500	102,000	44
	46	75.2	162.7	126,800	115,300	105,400	96,800	46
	48	74.4	162.2	119,300	109,000	99,900	92,000	48
	50	73.7	161.6	112,600	103,200	94,900	87,600	50
	55	71.8	160.1	98,400	90,800	84,100	78,100	55
	60	69.9	158.3	87,000	80,800	75,300	70,200	60
	65	68.0	156.4	77,700	72,500	67,900	63,600	65
	70	66.0	154.3	69,900	65,600	61,600	57,900	70
	75	64.1	151.9	63,300	59,600	56,200	53,000	75
	80	62.0	149.4	57,700	54,500	51,500	48,700	80
	85	60.0	146.6	52,800	50,000	47,400	44,900	85
	90	57.9	143.6	48,500	46,000	43,700	41,500	90
	95	55.8	140.4	44,700	42,500	40,500	38,500	95
	100	53.6	136.8	41,400	39,400	37,600	35,800	100
105	51.3	133.0	38,300	36,600	35,000	33,400	105	
110	49.0	128.8	35,600	34,100	32,600	31,200	110	
115	46.6	124.3	33,200	31,800	30,400	29,200	115	
120	44.0	119.3	30,900	29,700	28,500	27,300	120	
125	41.4	113.9	28,900	27,800	26,700	25,600	125	
130	38.6	107.9	27,000	26,000	25,000	24,100	130	
135	35.7	101.3	25,300	24,300	23,500	22,600	135	
140	32.5	93.9	23,700	22,800	22,000	21,300	140	
145	29.0	85.5	22,200	21,400	20,700	20,000	145	
150	25.0	75.7	20,800	20,100	19,500	18,900	150	
155	20.4	63.7	19,400	18,900	18,300	17,800	155	



LIFTCRANE BOOM CAPACITIES _____ 888 SERIES 2

**BOOM NO. 22E WITH OPEN THROAT TOP
 179,100 LB. CRANE COUNTERWEIGHT
 44,000 LB. CARBODY 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	208,300*				30
	32	80.9	175.9	204,500*				32
	34	80.2	175.6	197,700	161,400*			34
	36	79.5	175.2	181,300	156,500*	130,600*		36
	38	78.8	174.8	167,200	147,900	128,800*	108,500*	38
	40	78.1	174.4	155,000	138,000	123,900	108,400*	40
	42	77.4	174.0	144,400	129,300	116,600	105,800	42
	44	76.7	173.5	135,000	121,500	110,100	100,200	44
	46	76.0	173.1	126,600	114,500	104,100	95,200	46
	48	75.3	172.5	119,100	108,200	98,700	90,500	48
	50	74.7	172.0	112,400	102,400	93,800	86,200	50
	55	72.9	170.5	98,100	90,200	83,200	76,900	55
	60	71.1	168.9	86,700	80,200	74,400	69,200	60
	65	69.3	167.1	77,400	72,000	67,100	62,600	65
	70	67.5	165.2	69,600	65,000	60,900	57,000	70
	75	65.7	163.0	63,000	59,100	55,500	52,200	75
	80	63.8	160.6	57,400	54,000	50,900	47,900	80
	85	61.9	158.1	52,500	49,500	46,800	44,200	85
	90	60.0	155.3	48,200	45,600	43,200	40,900	90
	95	58.0	152.3	44,400	42,100	40,000	37,900	95
	100	56.0	149.0	41,100	39,000	37,100	35,200	100
	105	54.0	145.5	38,100	36,200	34,500	32,800	105
	110	51.9	141.8	35,400	33,700	32,100	30,600	110
	115	49.7	137.7	32,900	31,400	30,000	28,600	115
120	47.4	133.3	30,700	29,300	28,000	26,800	120	
125	45.1	128.5	28,600	27,400	26,200	25,100	125	
130	42.7	123.3	26,700	25,600	24,600	23,500	130	
135	40.1	117.6	25,000	24,000	23,000	22,100	135	
140	37.4	111.4	23,400	22,500	21,600	20,800	140	
145	34.6	104.5	21,900	21,100	20,300	19,500	145	
150	31.5	96.8	20,500	19,800	19,100	18,400	150	
155	28.1	88.1	19,200	18,600	17,900	17,300	155	
160	24.2	77.9	18,000	17,400	16,800	16,300	160	
165	19.7	65.5	16,900	16,400	15,800	15,300	165	
180	30	82.0	186.3	197,700*				30
	32	81.4	186.0	194,200*				32
	34	80.7	185.7	190,800*	151,200*			34
	36	80.1	185.4	181,000	148,900*			36
	38	79.4	185.0	166,900	146,600	120,200*		38
	40	78.8	184.6	154,700	136,800	120,100*	95,200*	40
	42	78.1	184.2	144,000	128,200	115,000	95,100*	42
	44	77.5	183.8	134,600	120,500	108,600	95,000*	44
	46	76.8	183.3	126,200	113,500	102,700	93,400	46
	48	76.2	182.9	118,700	107,200	97,400	88,900	48
	50	75.5	182.4	112,000	101,500	92,500	84,700	50
	55	73.9	181.0	97,700	89,400	82,000	75,600	55
	60	72.2	179.5	86,300	79,500	73,400	68,000	60
	65	70.5	177.8	77,000	71,300	66,200	61,500	65
	70	68.8	175.9	69,200	64,400	60,000	56,000	70
	75	67.1	173.9	62,600	58,500	54,700	51,200	75
	80	65.4	171.7	57,000	53,400	50,100	47,000	80
	85	63.6	169.3	52,100	49,000	46,000	43,300	85
	90	61.8	166.7	47,800	45,000	42,500	40,100	90
	95	60.0	164.0	44,000	41,600	39,300	37,100	95
	100	58.1	161.0	40,700	38,500	36,400	34,500	100
	105	56.3	157.7	37,600	35,700	33,800	32,100	105
	110	54.3	154.3	34,900	33,200	31,500	29,900	110
	115	52.3	150.5	32,500	30,900	29,400	27,900	115
120	50.3	146.5	30,200	28,800	27,400	26,100	120	
125	48.2	142.2	28,200	26,900	25,600	24,400	125	
130	46.0	137.6	26,300	25,100	24,000	22,900	130	
135	43.8	132.6	24,600	23,500	22,500	21,500	135	
140	41.4	127.1	23,000	22,000	21,100	20,100	140	
145	38.9	121.2	21,500	20,600	19,700	18,900	145	
150	36.3	114.7	20,100	19,300	18,500	17,700	150	
155	33.6	107.6	18,900	18,100	17,400	16,700	155	
160	30.6	99.6	17,600	17,000	16,300	15,700	160	
165	27.3	90.5	16,500	15,900	15,300	14,700	165	
170	23.6	80.0	15,400	14,900	14,400	13,800	170	
175	19.2	67.2	14,400	13,900	13,500	13,000	175	

MANITOWOC ENGINEERING CO.

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



LIFTCRANE BOOM CAPACITIES

888 SERIES 2

BOOM NO. 22E WITH OPEN THROAT TOP

179,100 LB. CRANE COUNTERWEIGHT

44,000 LB. CARBODY 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	181,000*				32
	34	81.2	195.8	178,100*				34
	36	80.6	195.5	175,200*	136,900*			36
	38	80.0	195.2	166,600	135,000*	106,300*		38
	40	79.4	194.8	154,400	133,100*	106,200*		40
	42	78.8	194.4	143,700	127,100	106,100*	83,600*	42
	44	78.2	194.0	134,300	119,400	105,900*	83,500*	44
	46	77.5	193.6	125,900	112,500	101,300	83,400*	46
	48	76.9	193.1	118,300	106,300	96,100	83,300*	48
	50	76.3	192.7	111,600	100,700	91,300	83,200	50
	55	74.7	191.4	97,300	88,600	80,900	74,200	55
	60	73.2	189.9	85,900	78,700	72,400	66,700	60
	65	71.6	188.3	76,500	70,600	65,200	60,400	65
	70	70.0	186.6	68,800	63,700	59,100	54,900	70
	75	68.4	184.7	62,200	57,800	53,800	50,200	75
	80	66.8	182.6	56,500	52,700	49,300	46,100	80
	85	65.1	180.4	51,600	48,300	45,300	42,400	85
	90	63.4	178.0	47,300	44,400	41,700	39,200	90
	95	61.7	175.4	43,500	40,900	38,500	36,300	95
	100	60.0	172.6	40,200	37,800	35,700	33,700	100
105	58.2	169.6	37,100	35,100	33,100	31,300	105	
110	56.5	166.4	34,400	32,600	30,800	29,100	110	
115	54.6	163.0	32,000	30,300	28,700	27,200	115	
120	52.8	159.3	29,700	28,200	26,700	25,300	120	
125	50.8	155.4	27,700	26,300	25,000	23,700	125	
130	48.9	151.2	25,800	24,500	23,300	22,100	130	
135	46.8	146.6	24,100	22,900	21,800	20,700	135	
140	44.7	141.8	22,500	21,400	20,400	19,400	140	
145	42.5	136.5	21,000	20,000	19,100	18,200	145	
150	40.3	130.8	19,600	18,700	17,900	17,000	150	
155	37.9	124.7	18,300	17,500	16,700	15,900	155	
160	35.3	118.0	17,100	16,400	15,600	14,900	160	
165	32.6	110.5	16,000	15,300	14,600	14,000	165	
170	29.7	102.3	14,900	14,300	13,700	13,100	170	
175	26.5	92.9	13,900	13,400	12,800	12,300	175	
180	22.9	82.1	13,000	12,500	12,000	11,500	180	
185	18.7	68.9	12,100	11,600	11,200	10,700	185	

MANITOWOC ENGINEERING CO.

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LIFTCRANE BOOM CAPACITIES

888 SERIES 2

BOOM NO. 22E WITH OPEN THROAT TOP
 179,100 LB. CRANE COUNTERWEIGHT
 44,000 LB. CARBODY 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	168,000*				34
	36	81.1	205.7	165,400*				36
	38	80.5	205.3	162,800*	126,400*			38
	40	79.9	205.0	154,000	126,000*	94,300*		40
	42	79.3	204.6	143,300	124,200*	94,200*		42
	44	78.8	204.2	133,800	118,400	94,000*	73,700*	44
	46	78.2	203.8	125,400	111,500	93,900*	73,600*	46
	48	77.6	203.4	117,900	105,400	93,800*	73,500*	48
	50	77.0	202.9	111,200	99,700	90,000	73,400*	50
	55	75.5	201.7	96,900	87,700	79,800	72,900	55
	60	74.0	200.4	85,500	77,900	71,400	65,500	60
	65	72.5	198.9	76,100	69,800	64,300	59,300	65
	70	71.0	197.2	68,300	63,000	58,200	53,900	70
	75	69.5	195.4	61,700	57,200	53,000	49,300	75
	80	68.0	193.5	56,100	52,100	48,500	45,200	80
	85	66.4	191.4	51,200	47,700	44,500	41,600	85
	90	64.8	189.1	46,900	43,800	41,000	38,400	90
	95	63.3	186.7	43,100	40,400	37,800	35,500	95
	100	61.6	184.1	39,700	37,300	35,000	32,900	100
	105	60.0	181.3	36,700	34,500	32,500	30,500	105
110	58.3	178.3	34,000	32,000	30,200	28,400	110	
115	56.6	175.1	31,500	29,700	28,000	26,400	115	
120	54.9	171.7	29,300	27,700	26,100	24,700	120	
125	53.1	168.1	27,200	25,800	24,300	23,000	125	
130	51.3	164.2	25,400	24,000	22,700	21,500	130	
135	49.5	160.1	23,600	22,400	21,200	20,100	135	
140	47.5	155.6	22,000	20,900	19,800	18,800	140	
145	45.6	150.9	20,500	19,500	18,500	17,500	145	
150	43.5	145.8	19,200	18,200	17,300	16,400	150	
155	41.4	140.4	17,900	17,000	16,200	15,300	155	
160	39.2	134.5	16,700	15,900	15,100	14,300	160	
165	36.9	128.1	15,600	14,800	14,100	13,400	165	
170	34.4	121.1	14,500	13,800	13,200	12,500	170	
175	31.8	113.4	13,500	12,900	12,300	11,700	175	
180	29.0	104.9	12,600	12,000	11,400	10,900	180	
185	25.8	95.2	11,700	11,200	10,600	10,100	185	
190	22.3	84.1	10,800	10,400	9,900	9,400	190	
195	18.2	70.5	10,000	9,600	9,200	8,800	195	

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LIFTCRANE BOOM CAPACITIES

888 SERIES 2

BOOM NO. 22E WITH OPEN THROAT TOP

179,100 LB. CRANE COUNTERWEIGHT

44,000 LB. CARBODY 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
210	36	81.5	215.8	157,000*				36
	38	81.0	215.5	154,800*	113,400*			38
	40	80.4	215.1	152,600*	113,100*			40
	42	79.9	214.8	143,000	112,900*	83,900*		42
	44	79.3	214.4	133,500	112,700*	83,800*		44
	46	78.7	214.0	125,100	110,600	83,600*	65,100*	46
	48	78.2	213.6	117,600	104,500	83,500*	65,000*	48
	50	77.6	213.2	110,900	98,900	83,400*	64,900*	50
	55	76.2	212.0	96,600	87,000	78,800	64,800*	55
	60	74.8	210.7	85,100	77,300	70,500	64,400	60
	65	73.4	209.3	75,800	69,200	63,400	58,300	65
	70	72.0	207.8	68,000	62,400	57,500	53,000	70
	75	70.5	206.1	61,400	56,600	52,300	48,400	75
	80	69.1	204.2	55,700	51,600	47,800	44,400	80
	85	67.6	202.2	50,800	47,200	43,900	40,800	85
	90	66.1	200.1	46,500	43,300	40,400	37,700	90
	95	64.6	197.8	42,700	39,900	37,300	34,800	95
	100	63.1	195.4	39,400	36,800	34,500	32,200	100
	105	61.6	192.7	36,300	34,100	31,900	29,900	105
	110	60.0	189.9	33,600	31,600	29,600	27,800	110
115	58.4	187.0	31,200	29,300	27,500	25,900	115	
120	56.8	183.8	28,900	27,200	25,600	24,100	120	
125	55.2	180.4	26,900	25,300	23,900	22,500	125	
130	53.5	176.8	25,000	23,600	22,200	20,900	130	
135	51.8	173.0	23,300	22,000	20,700	19,500	135	
140	50.0	168.9	21,700	20,500	19,300	18,200	140	
145	48.2	164.6	20,200	19,100	18,000	17,000	145	
150	46.3	160.0	18,800	17,800	16,800	15,900	150	
155	44.4	155.0	17,600	16,600	15,700	14,800	155	
160	42.4	149.8	16,400	15,500	14,600	13,800	160	
165	40.4	144.1	15,200	14,400	13,700	12,900	165	
170	38.2	138.0	14,200	13,400	12,700	12,000	170	
175	36.0	131.4	13,200	12,500	11,800	11,200	175	
180	33.6	124.2	12,300	11,600	11,000	10,400	180	
185	31.0	116.2	11,400	10,800	10,200	9,700	185	
190	28.2	107.4	10,500	10,000	9,500	9,000	190	
195	25.2	97.5	9,700	9,200	8,800	8,300	195	
200	21.8	86.0	9,000	8,500	8,100	7,700	200	
205	17.8	72.1	8,200	7,800	7,500	7,100	205	

MANITOWOC ENGINEERING CO.

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



LIFTCRANE BOOM CAPACITIES

888 SERIES 2

BOOM NO. 22E WITH OPEN THROAT TOP

179,100 LB. CRANE COUNTERWEIGHT

44,000 LB. CARBODY 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	148,800*				36
	38	81.4	225.6	146,700*				38
	40	80.8	225.3	144,600*	101,800*			40
	42	80.3	224.9	142,600*	101,600*			42
	44	79.8	224.6	133,100	101,400*	74,800*		44
	46	79.3	224.2	124,700	101,200*	74,700*		46
	48	78.7	223.8	117,200	101,000*	74,600*	57,600*	48
	50	78.2	223.4	110,400	98,000	74,400*	57,500*	50
	55	76.9	222.3	96,100	86,200	74,100*	57,300*	55
	60	75.5	221.1	84,700	76,500	69,500	57,100*	60
	65	74.2	219.7	75,300	68,500	62,500	57,000*	65
	70	72.8	218.2	67,500	61,800	56,600	52,000	70
	75	71.4	216.6	60,900	56,000	51,500	47,500	75
	80	70.1	214.9	55,300	51,000	47,100	43,500	80
	85	68.7	213.0	50,400	46,600	43,100	40,000	85
	90	67.3	211.0	46,100	42,700	39,700	36,900	90
	95	65.9	208.8	42,300	39,300	36,600	34,000	95
	100	64.4	206.5	38,900	36,300	33,800	31,500	100
	105	63.0	204.0	35,900	33,500	31,300	29,200	105
	110	61.5	201.4	33,200	31,000	29,000	27,100	110
	115	60.0	198.6	30,700	28,800	26,900	25,200	115
120	58.5	195.6	28,500	26,700	25,000	23,400	120	
125	56.9	192.5	26,400	24,800	23,300	21,800	125	
130	55.4	189.1	24,600	23,100	21,600	20,300	130	
135	53.8	185.6	22,800	21,500	20,200	18,900	135	
140	52.1	181.8	21,200	20,000	18,800	17,600	140	
145	50.5	177.8	19,800	18,600	17,500	16,400	145	
150	48.8	173.5	18,400	17,300	16,300	15,300	150	
155	47.0	169.0	17,100	16,100	15,100	14,200	155	
160	45.2	164.2	15,900	15,000	14,100	13,200	160	
165	43.3	159.1	14,800	13,900	13,100	12,300	165	
170	41.4	153.6	13,700	12,900	12,200	11,400	170	
175	39.4	147.7	12,700	12,000	11,300	10,600	175	
180	37.3	141.4	11,800	11,100	10,500	9,800	180	
185	35.1	134.6	10,900	10,300	9,700	9,100	185	
190	32.8	127.1	10,100	9,500	8,900	8,400	190	
195	30.3	119.0	9,300	8,800	8,200	7,700	195	
200	27.6	109.9	8,600	8,100	7,600	7,100	200	
205	24.6	99.7	7,800	7,400	6,900	6,500	205	
210	21.3	87.9	7,100	6,700	6,300	5,900	210	
215	17.3	73.6	6,500	6,100	5,700	5,400	215	

MANITOWOC ENGINEERING CO.

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LIFTCRANE BOOM CAPACITIES

888 SERIES 2

BOOM NO. 22E WITH OPEN THROAT TOP

179,100 LB. CRANE COUNTERWEIGHT

44,000 LB. CARBODY 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	38	81.8	235.7	135,000*				38
	40	81.2	235.4	134,200*				40
	42	80.7	235.1	132,400*	91,100*			42
	44	80.2	234.7	130,600*	90,900*			44
	46	79.7	234.4	124,400	90,700*	66,400*		46
	48	79.2	234.0	116,900	90,500*	66,300*		48
	50	78.7	233.6	110,100	90,300*	66,200*	50,600*	50
	55	77.4	232.6	95,800	85,400	65,900*	50,400*	55
	60	76.2	231.4	84,300	75,800	65,600*	50,200*	60
	65	74.9	230.1	74,900	67,800	61,600	50,100*	65
	70	73.6	228.7	67,100	61,100	55,700	49,900*	70
	75	72.3	227.2	60,500	55,300	50,700	46,500	75
	80	71.0	225.5	54,800	50,300	46,300	42,600	80
	85	69.6	223.7	49,900	45,900	42,400	39,100	85
	90	68.3	221.8	45,600	42,100	38,900	36,000	90
	95	67.0	219.7	41,800	38,700	35,800	33,200	95
	100	65.6	217.5	38,400	35,600	33,100	30,700	100
	105	64.2	215.2	35,400	32,900	30,600	28,400	105
	110	62.8	212.7	32,700	30,400	28,300	26,300	110
	115	61.4	210.1	30,200	28,100	26,200	24,400	115
	120	60.0	207.3	28,000	26,100	24,300	22,700	120
	125	58.6	204.3	25,900	24,200	22,600	21,100	125
130	57.1	201.1	24,000	22,500	21,000	19,600	130	
135	55.6	197.8	22,300	20,900	19,500	18,200	135	
140	54.1	194.3	20,700	19,400	18,100	16,900	140	
145	52.5	190.6	19,200	18,000	16,800	15,700	145	
150	50.9	186.6	17,900	16,700	15,600	14,600	150	
155	49.3	182.4	16,600	15,500	14,500	13,500	155	
160	47.6	178.0	15,400	14,400	13,500	12,500	160	
165	45.9	173.3	14,300	13,300	12,500	11,600	165	
170	44.2	168.3	13,200	12,400	11,500	10,700	170	
175	42.3	163.0	12,200	11,400	10,700	9,900	175	
180	40.5	157.3	11,300	10,500	9,800	9,100	180	
185	38.5	151.2	10,400	9,700	9,000	8,400	185	
190	36.5	144.7	9,600	8,900	8,300	7,700	190	
195	34.3	137.7	8,800	8,200	7,600	7,000	195	
200	32.0	130.0	8,000	7,500	6,900	6,400	200	
205	29.6	121.6	7,300	6,800	6,300	5,800	205	
210	27.0	112.4	6,600	6,200	5,700	5,200	210	
215	24.1	101.9	6,000	5,500	5,100	4,700	215	
220	20.8	89.8	5,300	4,900	4,600	4,200	220	
225	17.0	75.2	4,600*	4,400	4,000		225	

MANITOWOC ENGINEERING CO.

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LIFTCRANE BOOM CAPACITIES

888 SERIES 2

BOOM NO. 22E WITH OPEN THROAT TOP
 179,100 LB. CRANE COUNTERWEIGHT
 44,000 LB. CARBODY 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	122,500*				40
	42	81.1	245.2	122,100*				42
	44	80.6	244.9	121,700*	82,100*			44
	46	80.2	244.5	121,300*	81,900*			46
	48	79.7	244.2	116,500	81,700*	59,300*		48
	50	79.2	243.8	109,700	81,500*	59,200*		50
	55	78.0	242.8	95,400	81,000*	58,900*	44,600*	55
	60	76.8	241.7	83,900	75,100	58,600*	44,400*	60
	65	75.5	240.4	74,500	67,200	58,400*	44,300*	65
	70	74.3	239.1	66,700	60,500	55,000	44,100*	70
	75	73.0	237.6	60,100	54,700	49,900	43,900*	75
	80	71.8	236.0	54,400	49,700	45,600	41,800	80
	85	70.5	234.3	49,500	45,400	41,700	38,300	85
	90	69.3	232.5	45,200	41,600	38,300	35,300	90
	95	68.0	230.6	41,400	38,200	35,200	32,500	95
	100	66.7	228.5	38,000	35,100	32,500	30,000	100
	105	65.4	226.2	35,000	32,400	30,000	27,700	105
	110	64.1	223.9	32,300	29,900	27,700	25,700	110
	115	62.7	221.4	29,800	27,700	25,700	23,800	115
	120	61.4	218.7	27,500	25,600	23,800	22,100	120
	125	60.0	215.9	25,500	23,700	22,000	20,500	125
	130	58.6	212.9	23,600	22,000	20,400	19,000	130
135	57.2	209.8	21,900	20,400	19,000	17,600	135	
140	55.8	206.5	20,300	18,900	17,600	16,300	140	
145	54.3	203.0	18,800	17,500	16,300	15,100	145	
150	52.8	199.3	17,400	16,200	15,100	14,000	150	
155	51.3	195.4	16,200	15,000	14,000	13,000	155	
160	49.8	191.3	15,000	13,900	12,900	12,000	160	
165	48.2	187.0	13,800	12,900	12,000	11,100	165	
170	46.6	182.4	12,800	11,900	11,000	10,200	170	
175	44.9	177.5	11,800	11,000	10,200	9,400	175	
180	43.2	172.3	10,900	10,100	9,300	8,600	180	
185	41.4	166.8	10,000	9,300	8,600	7,900	185	
190	39.6	161.0	9,200	8,500	7,800	7,200	190	
195	37.7	154.7	8,400	7,700	7,100	6,500	195	
200	35.7	148.0	7,600	7,000	6,400	5,900	200	
205	33.6	140.7	6,900	6,300	5,800	5,300	205	
210	31.3	132.9	6,200	5,700	5,200	4,700	210	
215	29.0	124.3	5,600	5,100	4,600	4,200	215	
220	26.4	114.7	5,000	4,500	4,100		220	
225	23.6	104.0	4,400	4,000			225	



LIFTCRANE BOOM CAPACITIES _____ 888 SERIES 2

**BOOM NO. 22E WITH OPEN THROAT TOP
 179,100 LB. CRANE COUNTERWEIGHT
 44,000 LB. CARBODY 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
250	40	82.0	255.6	110,900*				40
	42	81.5	255.3	110,500*				42
	44	81.0	255.0	110,100*	73,800*			44
	46	80.6	254.7	109,800*	73,600*			46
	48	80.1	254.3	109,400*	73,400*			48
	50	79.6	254.0	109,000*	73,300*	52,700*		50
	55	78.5	253.0	95,000	72,800*	52,500*	39,300*	55
	60	77.3	251.9	83,600	72,300*	52,200*	39,100*	60
	65	76.1	250.8	74,200	66,500	51,900*	39,000*	65
	70	74.9	249.5	66,300	59,900	51,700*	38,800*	70
	75	73.7	248.1	59,700	54,100	49,200	38,600*	75
	80	72.5	246.6	54,000	49,200	44,900	38,500*	80
	85	71.3	244.9	49,100	44,900	41,000	37,600	85
	90	70.1	243.2	44,800	41,000	37,600	34,600	90
	95	68.9	241.3	41,000	37,700	34,600	31,800	95
	100	67.7	239.3	37,600	34,600	31,900	29,300	100
	105	66.4	237.2	34,600	31,900	29,400	27,100	105
	110	65.2	235.0	31,900	29,400	27,200	25,100	110
	115	63.9	232.6	29,400	27,200	25,100	23,200	115
	120	62.6	230.0	27,200	25,100	23,200	21,500	120
	125	61.3	227.4	25,100	23,300	21,500	19,900	125
	130	60.0	224.6	23,200	21,500	19,900	18,400	130
135	58.7	221.6	21,500	19,900	18,400	17,000	135	
140	57.3	218.5	19,900	18,500	17,100	15,800	140	
145	55.9	215.2	18,400	17,100	15,800	14,600	145	
150	54.5	211.7	17,100	15,800	14,600	13,500	150	
155	53.1	208.1	15,800	14,600	13,500	12,400	155	
160	51.7	204.2	14,600	13,500	12,500	11,500	160	
165	50.2	200.2	13,500	12,400	11,500	10,600	165	
170	48.7	195.9	12,400	11,500	10,600	9,700	170	
175	47.2	191.4	11,400	10,500	9,700	8,900	175	
180	45.6	186.6	10,500	9,700	8,900	8,100	180	
185	43.9	181.6	9,600	8,800	8,100	7,400	185	
190	42.3	176.2	8,800	8,100	7,400	6,700	190	
195	40.5	170.5	8,000	7,300	6,700	6,000	195	
200	38.7	164.5	7,200	6,600	6,000	5,400	200	
205	36.9	158.1	6,500	5,900	5,400	4,800	205	
210	34.9	151.2	5,900	5,300	4,800	4,200	210	
215	32.9	143.7	5,200	4,700	4,200		215	
220	30.7	135.6	4,600	4,100			220	
225	28.4	126.8	4,000				225	

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LIFTCRANE BOOM CAPACITIES

888 SERIES 2

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179,100 LB. CRANE COUNTERWEIGHT

44,000 LB. CARBODY 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
260	42	81.8	265.4	101,000*
	44	81.4	265.1	100,600*
	46	80.9	264.8	100,200*
	48	80.5	264.5	99,900*
	50	80.0	264.1	99,500*
	55	78.9	263.2	94,600
	60	77.8	262.2	83,100
	65	76.7	261.1	73,700
	70	75.5	259.8	65,900
	75	74.4	258.5	59,300
	80	73.2	257.0	53,600
	85	72.1	255.5	48,700
	90	70.9	253.8	44,300
	95	69.7	252.0	40,500
	100	68.6	250.1	37,200
	105	67.4	248.1	34,100
	110	66.2	245.9	31,400
	115	65.0	243.7	28,900
	120	63.7	241.3	26,700
	125	62.5	238.7	24,600
	130	61.3	236.0	22,800
	135	60.0	233.2	21,000
	140	58.7	230.3	19,400
	145	57.4	227.2	18,000
	150	56.1	223.9	16,600
	155	54.8	220.4	15,300
160	53.4	216.8	14,100	
165	52.0	213.0	13,000	
170	50.6	209.0	11,900	
175	49.2	204.8	10,900	
180	47.7	200.4	10,000	
185	46.2	195.7	9,100	
190	44.6	190.8	8,300	
195	43.0	185.6	7,500	
200	41.4	180.0	6,800	
205	39.7	174.2	6,100	
210	38.0	168.0	5,400	
215	36.1	161.4	4,700	
220	34.2	154.3	4,100	