

MANITOWOC ENGINEERING CO.

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



LIFTCRANE BOOM CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

888 SERIES 2

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

179,100 LB. CRANE COUNTERWEIGHT

44,000 LB. CARBODY COUNTERWEIGHT

28' 2" CRAWLERS EXTENDED

RATING OVER FRONT OF BLOCKED CRAWLERS

NO TRAVEL - LIMITED SWING

CAPACITIES FOR VARIOUS BOOM LENGTHS AND OPERATING RADII ARE FOR FREELY SUSPENDED LOADS AND DO NOT EXCEED 75% OF A STATIC TIPPING LOAD OVER FRONT OF MACHINE WITH CRAWLERS EXTENDED AND BLOCKED. CAPACITIES BASED ON STRUCTURAL COMPETENCE ARE DENOTED BY AN ASTERISK (*).

UPPER BOOM POINT CAPACITY FOR LIFTCRANE SERVICE WITH SINGLE PART WHIP LINE OR COMBINATION OF TWO SINGLE PART LINES IS 29,500 LBS. IN ALL CASES, UPPER BOOM POINT CAPACITIES CANNOT EXCEED THOSE LISTED FOR MAIN BOOM CAPACITY.

WEIGHT OF JIB, ALL LOAD BLOCKS, HOOKS, WEIGHT BALL, SLINGS, HOIST LINES, ETC., BENEATH BOOM AND JIB POINT SHEAVES, IS CONSIDERED PART OF MAIN BOOM LOAD. BOOM IS NOT TO BE LOWERED BEYOND RADII WHERE COMBINED WEIGHTS ARE GREATER THAN RATED CAPACITY. WHERE NO CAPACITY IS SHOWN, OPERATION IS NOT INTENDED OR APPROVED.

MACHINE TO OPERATE IN A LEVEL POSITION ON A FIRM UNIFORMLY SUPPORTING SURFACE WITH GANTRY UP, CRAWLERS FULLY EXTENDED, AND FRONT TUMBLER PROPERLY BLOCKED SO THAT CENTERLINE OF IDLER TUMBLER BECOMES TIPPING FULCRUM. DRIVE MOTORS MUST BE TO REAR OF MACHINE. SWING IS LIMITED TO THAT SECTOR SHOWN ON OPERATING RANGE DIAGRAM NO. 7770-A. REFER TO BOOM RIGGING NO. 176519 AND WIRE ROPE SPECIFICATION CHART NO. 7773-A. CRANE OPERATOR JUDGMENT MUST BE USED TO ALLOW FOR DYNAMIC LOAD EFFECTS OF SWINGING, HOISTING OR LOWERING, WIND CONDITIONS, AS WELL AS ADVERSE OPERATING CONDITIONS AND PHYSICAL MACHINE DEPRECIATION. REFER TO OPERATORS MANUAL FOR OPERATING GUIDELINES.

OPERATING RADIUS IS HORIZONTAL DISTANCE FROM AXIS OF ROTATION TO CENTER OF VERTICAL HOIST LINE OR LOAD BLOCK. BOOM ANGLE IS ANGLE BETWEEN HORIZONTAL AND CENTERLINE OF BOOM BUTT AND INSERTS, AND IS AN INDICATION OF OPERATING RADIUS. IN ALL CASES, OPERATING RADIUS SHALL GOVERN CAPACITY. BOOM POINT ELEVATION IS VERTICAL DISTANCE FROM GROUND LEVEL TO CENTERLINE OF BOOM POINT SHAFT.

MACHINE EQUIPPED WITH 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 FROM CAPACITIES WHEN JIB IS ATTACHED

JIB LENGTH	JIB NO. 123
30'	2,500 LBS.
40'	3,100 LBS.
50'	3,700 LBS.
60'	4,400 LBS.

DEDUCT 4,000 LBS. FROM CAPACITIES
WHEN BOOM BUTT IS EQUIPPED
WITH AUXILIARY DRUM.

MAXIMUM BOOM AND JIB LENGTHS LIFTED UNASSISTED OVER FRONT OF BLOCKED CRAWLERS WITHOUT AUXILIARY DRUM IN BOOM BUTT

BOOM LENGTH	JIB NO. 123
(a) 290'	---
(a) 280'	---
270'	---
260'	50'
250'	60'
LOAD BLOCK, HOOK AND WEIGHT BALL ON GROUND AT START. (a) UPPER BOOM POINT CANNOT BE USED ON 290' AND 280' BOOM. WIRE ROPE GUIDE 179061 UPPER AND MIDDLE SHEAVES AND SHAFTS OR ASSEMBLY 92671 UPPER SHEAVE AND SHAFT MUST BE REMOVED ON 290' BOOM.	

MAXIMUM BOOM AND JIB LENGTHS LIFTED UNASSISTED OVER FRONT OF BLOCKED CRAWLERS WITH AUXILIARY DRUM IN BOOM BUTT

BOOM LENGTH	JIB NO. 123
(a) 280'	---
270'	---
260'	40'
250'	60'
LOAD BLOCK, HOOK AND WEIGHT BALL ON GROUND AT START. (a) UPPER BOOM POINT CANNOT BE USED ON 280' BOOM.	

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

MANITOWOC ENGINEERING CO.

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



LIFTCRANE BOOM CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

888 SERIES 2

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

179,100 LB. CRANE COUNTERWEIGHT

44,000 LB. CARBODY COUNTERWEIGHT

28' 2" CRAWLERS EXTENDED

RATING OVER FRONT OF BLOCKED CRAWLERS

NO TRAVEL - LIMITED SWING

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
70	17	82.8	77.3	410,700*
	18	82.0	77.1	389,300*
	19	81.2	76.9	370,000*
	20	80.3	76.7	352,400*
	22	78.7	76.2	321,600*
	24	77.0	75.7	295,600*
	26	75.3	75.1	273,300*
	28	73.6	74.4	254,000*
	30	71.8	73.7	237,100*
	32	70.1	72.9	222,200*
	34	68.3	72.0	209,000*
	36	66.5	71.1	197,200*
	38	64.7	70.1	186,500*
	40	62.8	69.0	176,900*
	42	60.9	67.8	168,100*
	44	59.0	66.5	160,100*
	46	57.0	65.1	152,700*
	48	54.9	63.6	146,000*
80	50	52.8	62.0	139,700*
	55	47.3	57.4	124,300*
	60	41.1	51.8	110,000*
	65	34.0	44.6	96,900*
	70	25.0	34.7	76,500*
	18	83.0	87.2	343,900*
	19	82.3	87.1	338,400*
	20	81.6	86.9	333,200*
	22	80.1	86.5	321,000*
	24	78.6	86.0	295,000*
	26	77.2	85.5	272,700*
	28	75.7	84.9	253,400*
	30	74.2	84.3	236,500*
	32	72.7	83.6	221,600*
	34	71.2	82.9	208,400*
	36	69.6	82.1	196,600*
	38	68.1	81.2	185,900*
	40	66.5	80.3	176,300*
90	42	64.9	79.3	167,500*
	44	63.3	78.2	159,500*
	46	61.6	77.0	152,200*
	48	59.9	75.8	145,400*
	50	58.2	74.5	139,200*
	55	53.8	70.8	124,300*
	60	49.1	66.5	110,000*
	65	43.9	61.3	98,300*
	70	38.2	55.1	88,700*
	75	31.6	47.3	80,400*
	80	23.2	36.6	66,400*
	20	82.5	97.0	301,700*
	22	81.2	96.7	292,300*
	24	79.9	96.3	283,500*
	26	78.6	95.8	271,900*
	28	77.3	95.3	252,700*
	30	76.0	94.8	235,800*
	32	74.7	94.2	220,900*
	34	73.3	93.5	207,700*
	36	72.0	92.8	195,800*
	38	70.6	92.0	185,200*
	40	69.3	91.2	175,600*
	42	67.9	90.4	166,800*
	44	66.5	89.4	158,800*
	46	65.1	88.4	151,500*
	48	63.6	87.4	144,700*

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
90	50	62.2	86.3	138,500*
	55	58.4	83.2	124,100*
	60	54.5	79.6	109,800*
	65	50.4	75.5	98,100*
	70	46.0	70.6	88,500*
	75	41.2	65.0	80,400*
	80	35.9	58.2	73,400*
	85	29.6	49.8	67,400*
	90	21.7	38.3	57,800*
	22	82.1	106.8	279,700*
100	24	80.9	106.5	271,100*
	26	79.8	106.1	263,000*
	28	78.6	105.6	252,200*
	30	77.4	105.1	235,300*
	32	76.2	104.6	220,400*
	34	75.1	104.0	207,200*
	36	73.9	103.4	195,400*
	38	72.7	102.7	184,700*
	40	71.4	102.0	175,100*
	42	70.2	101.2	166,300*
	44	69.0	100.4	158,300*
	46	67.7	99.5	151,000*
	48	66.5	98.6	144,200*
	50	65.2	97.6	138,000*
	55	61.9	94.9	124,100*
	60	58.6	91.8	109,700*
	65	55.1	88.3	98,000*
	70	51.4	84.4	88,400*
110	75	47.6	79.8	80,200*
	80	43.4	74.5	73,300*
	85	38.9	68.4	67,300*
	90	33.9	61.2	62,100*
	95	28.0	52.2	57,500*
	100	20.5	40.0	50,100*
	22	82.8	117.0	266,400*
	24	81.8	116.6	258,000*
	26	80.7	116.3	250,200*
	28	79.7	115.9	242,800*
	30	78.6	115.4	234,500*
	32	77.5	114.9	219,600*
	34	76.5	114.4	206,300*
	36	75.4	113.8	194,500*
	38	74.3	113.2	183,900*
	40	73.2	112.6	174,200*
	42	72.1	111.9	165,500*
	44	71.0	111.2	157,500*
	46	69.9	110.4	150,200*
	48	68.7	109.6	143,400*
	50	67.6	108.7	137,200*
	55	64.7	106.3	123,500*
	60	61.8	103.6	109,300*
	65	58.7	100.5	97,700*
	70	55.6	97.1	88,000*
	75	52.3	93.2	79,900*
	80	48.8	88.8	72,900*
	85	45.2	83.9	67,000*
	90	41.2	78.2	61,700*
	95	37.0	71.7	57,100*
	100	32.2	63.9	53,000*
	105	26.6	54.4	49,200*
	110	19.4	41.6	42,900*

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
120	24	82.5	126.8	249,700*
	26	81.5	126.4	242,000*
	28	80.5	126.1	234,800*
	30	79.6	125.7	228,000*
	32	78.6	125.2	218,900*
	34	77.6	124.7	205,700*
	36	76.6	124.2	193,900*
	38	75.6	123.7	183,200*
	40	74.6	123.1	173,600*
	42	73.6	122.4	164,900*
	44	72.6	121.8	156,900*
	46	71.6	121.1	149,600*
	48	70.6	120.3	142,800*
	50	69.6	119.5	136,600*
	55	67.0	117.4	123,000*
	60	64.3	115.0	109,100*
	65	61.6	112.2	97,400*
	70	58.8	109.2	87,700*
130	75	56.0	105.8	79,600*
	80	53.0	102.0	72,700*
	85	49.8	97.8	66,700*
	90	46.6	93.1	61,500*
	95	43.1	87.8	56,900*
	100	39.4	81.7	52,800*
	105	35.3	74.8	49,100*
	110	30.7	66.6	45,900*
	115	25.4	56.6	42,500*
	120	18.5	43.1	37,100*
	26	82.2	136.6	234,800*
	28	81.3	136.2	227,800*
	30	80.4	135.9	221,200*
	32	79.5	135.4	214,900*
	34	78.6	135.0	205,400*
	36	77.7	134.5	193,600*
	38	76.8	134.0	182,900*
	40	75.9	133.5	173,300*
	42	74.9	132.9	164,500*
	44	74.0	132.3	156,600*
	46	73.1	131.7	149,200*
	48	72.2	131.0	142,500*
	50	71.2	130.3	136,300*
	55	68.9	128.3	122,700*
	60	66.5	126.1	109,000*
	65	64.0	123.6	97,300*
	70	61.5	120.9	87,700*
	75	58.9	117.9	79,500*
	80	56.3	114.5	72,600*
	85	53.5	110.8	66,600*
	90	50.7	106.7	61,400*
	95	47.7	102.2	56,800*
	100	44.6	97.1	52,700*
	105	41.3	91.5	49,100*
	110	37.7	85.1	45,800*
	115	33.8	77.7	42,800*
	120	29.4	69.1	40,100*
	125	24.3	58.6	37,000*
	130	17.7	44.5	32,400*

MANITOWOC ENGINEERING CO.

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



LIFTCRANE BOOM CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

888 SERIES 2

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

179,100 LB. CRANE COUNTERWEIGHT

44,000 LB. CARBODY COUNTERWEIGHT

28' 2" CRAWLERS EXTENDED

RATING OVER FRONT OF BLOCKED CRAWLERS

NO TRAVEL - LIMITED SWING

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
140	26	82.7	146.7	228,400*
	28	81.9	146.4	221,600*
	30	81.1	146.0	215,100*
	32	80.2	145.7	209,000*
	34	79.4	145.2	203,300*
	36	78.6	144.8	192,900*
	38	77.7	144.3	182,300*
	40	76.9	143.8	172,600*
	42	76.0	143.3	163,900*
	44	75.2	142.7	155,900*
	46	74.3	142.1	148,600*
	48	73.5	141.5	141,900*
	50	72.6	140.9	135,700*
	55	70.4	139.1	122,000*
	60	68.2	137.0	108,700*
	65	66.0	134.8	97,000*
	70	63.7	132.3	87,300*
	75	61.4	129.5	79,200*
	80	59.0	126.5	72,300*
	85	56.5	123.2	66,300*
150	90	54.0	119.6	61,100*
	95	51.4	115.6	56,500*
	100	48.7	111.2	52,400*
	105	45.8	106.3	48,800*
	110	42.8	101.0	45,500*
	115	39.7	95.0	42,500*
	120	36.2	88.3	39,900*
	125	32.5	80.6	37,400*
	130	28.3	71.6	35,100*
	135	23.3	60.6	32,100*
	140	17.0	45.9	28,000*
	28	82.4	156.5	215,300*
	30	81.7	156.2	209,100*
	32	80.9	155.8	203,200*
	34	80.1	155.4	197,600*
	36	79.3	155.0	192,000*
	38	78.6	154.6	181,400*
	40	77.8	154.1	171,800*
	42	77.0	153.6	163,000*
	44	76.2	153.1	155,100*
	46	75.4	152.6	147,700*
160	48	74.6	152.0	141,000*
	50	73.8	151.4	134,800*
	55	71.8	149.7	121,200*
	60	69.8	147.8	108,300*
	65	67.7	145.8	96,600*
	70	65.6	143.5	86,900*
	75	63.5	141.0	78,800*
	80	61.3	138.2	71,800*
	85	59.1	135.2	65,800*
	90	56.8	131.9	60,600*
	95	54.4	128.3	56,000*
	100	52.0	124.4	51,900*
	105	49.5	120.1	48,300*
	110	46.9	115.5	45,000*
	115	44.2	110.3	42,100*

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
150	120	41.3	104.7	39,400*
	125	38.2	98.4	36,900*
	130	34.9	91.4	34,700*
	135	31.3	83.3	32,600*
	140	27.3	73.9	30,700*
	145	22.5	62.5	27,500*
	150	16.4	47.3	23,900*
160	28	82.9	166.6	208,400*
	30	82.2	166.3	203,100*
	32	81.5	166.0	197,900*
	34	80.7	165.6	192,600*
	36	80.0	165.2	187,400*
	38	79.3	164.8	180,700*
	40	78.6	164.4	171,100*
	42	77.8	163.9	162,300*
	44	77.1	163.5	154,400*
	46	76.3	162.9	147,100*
	48	75.6	162.4	140,300*
	50	74.9	161.8	134,100*
	55	73.0	160.3	120,500*
	60	71.1	158.5	108,000*
	65	69.2	156.6	96,200*
	70	67.2	154.5	86,500*
	75	65.3	152.2	78,400*
	80	63.3	149.6	71,400*
	85	61.2	146.9	65,400*
	90	59.1	143.9	60,200*
170	95	57.0	140.6	55,600*
	100	54.8	137.1	51,500*
	105	52.5	133.2	47,900*
	110	50.2	129.1	44,600*
	115	47.8	124.5	41,700*
	120	45.3	119.6	39,000*
	125	42.7	114.2	36,500*
	130	39.9	108.3	34,300*
	135	36.9	101.7	32,200*
	140	33.7	94.3	30,300*
	145	30.3	85.9	28,600*
	150	26.3	76.2	26,500*
	155	21.7	64.3	23,600*
	160	15.8	48.6	20,400*
	30	82.7	176.4	195,500*
	32	82.0	176.1	191,100*
	34	81.3	175.8	186,700*
	36	80.6	175.4	182,200*
	38	79.9	175.0	177,900*
	40	79.2	174.6	170,600*
	42	78.5	174.2	161,800*
	44	77.9	173.7	153,900*
	46	77.2	173.3	146,600*
180	48	76.5	172.7	139,800*
	50	75.8	172.2	133,600*
	55	74.0	170.8	120,000*
	60	72.3	169.1	107,700*
	65	70.5	167.3	96,000*

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
170	70	68.7	165.4	86,300*
	75	66.8	163.2	78,100*
	80	65.0	160.9	71,200*
	85	63.1	158.3	65,200*
	90	61.1	155.5	60,000*
	95	59.2	152.5	55,400*
	100	57.2	149.3	51,300*
	105	55.1	145.8	47,600*
	110	53.0	142.0	44,400*
	115	50.8	137.9	41,400*
	120	48.6	133.5	38,700*
	125	46.3	128.8	36,300*
	130	43.8	123.6	34,100*
	135	41.3	117.9	32,000*
	140	38.6	111.7	30,100*
	145	35.8	104.9	28,300*
	150	32.7	97.2	26,700*
	155	29.3	88.5	25,200*
	160	25.5	78.4	23,000*
	165	21.0	66.1	20,300*
	170	15.3	49.8	17,500*
180	32	82.4	186.2	183,400*
	34	81.8	185.9	179,700*
	36	81.1	185.6	175,900*
	38	80.5	185.2	172,200*
	40	79.8	184.8	168,500*
	42	79.2	184.4	161,100*
	44	78.5	184.0	153,200*
	46	77.9	183.5	145,900*
	48	77.2	183.1	139,100*
	50	76.6	182.6	132,900*
	55	74.9	181.2	119,400*
	60	73.3	179.7	107,300*
	65	71.6	178.0	95,600*
	70	69.9	176.1	85,900*
	75	68.2	174.1	77,700*
	80	66.4	171.9	70,800*
	85	64.7	169.5	64,800*
	90	62.9	167.0	59,600*
	95	61.1	164.2	55,000*
	100	59.2	161.2	50,900*
190	105	57.3	158.0	47,200*
	110	55.4	154.5	44,000*
	115	53.4	150.8	41,000*
	120	51.4	146.8	38,300*
	125	49.3	142.5	35,900*
	130	47.1	137.9	33,700*
	135	44.9	132.9	31,600*
	140	42.5	127.4	29,700*
	145	40.1	121.5	27,900*
	150	37.5	115.1	26,300*
200	155	34.7	107.9	24,800*
	160	31.7	100.0	23,400*
	165	28.4	91.0	21,900*
	170	24.7	80.5	19,600*
	175	20.4	67.8	17,200*

MANITOWOC ENGINEERING CO.

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



LIFT CRANE BOOM CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

888 SERIES 2

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

179,100 LB. CRANE COUNTERWEIGHT

44,000 LB. CARBODY COUNTERWEIGHT

28' 2" CRAWLERS EXTENDED

RATING OVER FRONT OF BLOCKED CRAWLERS

NO TRAVEL - LIMITED SWING

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
190	32	82.8	196.3	174,400*
	34	82.2	196.0	171,300*
	36	81.6	195.7	168,100*
	38	81.0	195.4	165,000*
	40	80.4	195.0	161,800*
	42	79.8	194.6	158,600*
	44	79.2	194.2	152,300*
	46	78.5	193.8	145,000*
	48	77.9	193.3	138,300*
	50	77.3	192.9	132,100*
	55	75.7	191.6	118,500*
	60	74.2	190.1	107,000
	65	72.6	188.6	95,200
	70	71.0	186.8	85,500
	75	69.4	184.9	77,300
	80	67.8	182.9	70,300
	85	66.1	180.6	64,300
	90	64.4	178.2	59,100
	95	62.7	175.6	54,500
	100	61.0	172.8	50,400
200	105	59.3	169.9	46,800
	110	57.5	166.7	43,500
	115	55.7	163.2	40,500
	120	53.8	159.6	37,800
	125	51.9	155.6	35,400
	130	49.9	151.4	33,200
	135	47.9	146.9	31,100
	140	45.8	142.0	29,200
	145	43.6	136.8	27,400
	150	41.3	131.2	25,800
	155	38.9	125.0	24,300
	160	36.4	118.3	22,800
	165	33.7	110.9	21,500
	170	30.8	102.7	20,300
	175	27.6	93.4	18,300*
	180	24.0	82.6	16,300*
	185	19.8	69.5	14,100*
	34	82.6	206.2	163,100*
	36	82.0	205.8	160,500*
	38	81.5	205.5	157,800*
	40	80.9	205.2	155,100*
	42	80.3	204.8	152,300*
	44	79.7	204.4	149,600*
	46	79.1	204.0	144,300*
	48	78.5	203.6	137,600*
	50	77.9	203.1	131,400*
	55	76.5	201.9	117,800*
	60	75.0	200.6	106,400*
	65	73.5	199.1	94,800
	70	72.0	197.4	85,100
	75	70.5	195.6	76,900
	80	68.9	193.7	69,900
	85	67.4	191.6	63,900
	90	65.8	189.3	58,700
	95	64.2	186.9	54,000
	100	62.6	184.3	50,000
	105	61.0	181.5	46,300
	110	59.3	178.5	43,000
	115	57.6	175.3	40,100
	120	55.9	171.9	37,400
	125	54.1	168.3	35,000
	130	52.3	164.4	32,700
	135	50.4	160.3	30,600
	140	48.5	155.9	28,700
	145	46.6	151.2	27,000
	150	44.5	146.1	25,400

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
200	155	42.4	140.6	23,800
	160	40.2	134.8	22,400
	165	37.9	128.4	21,100
	170	35.4	121.4	19,800
	175	32.8	113.8	18,700
	180	30.0	105.3	17,200*
	185	26.9	95.7	15,300*
	190	23.4	84.6	13,400*
	195	19.3	71.1	11,500*
	36	82.4	216.0	152,400*
210	38	81.9	215.7	150,100*
	40	81.3	215.3	147,800*
	42	80.8	215.0	145,500*
	44	80.2	214.6	143,200*
	46	79.6	214.2	140,800*
	48	79.1	213.8	137,000*
	50	78.5	213.4	130,800*
	55	77.1	212.2	117,200*
	60	75.7	210.9	105,900*
	65	74.3	209.5	94,500
	70	72.9	208.0	84,700
	75	71.4	206.3	76,600
	80	70.0	204.4	69,600
	85	68.5	202.4	63,600
	90	67.0	200.3	58,300
	95	65.5	198.0	53,700
	100	64.0	195.6	49,600
	105	62.5	192.9	46,000
	110	60.9	190.2	42,700
	115	59.3	187.2	39,800
	120	57.7	184.0	37,100
	125	56.1	180.6	34,600
	130	54.4	177.1	32,400
	135	52.7	173.2	30,300
	140	50.9	169.2	28,400
	145	49.1	164.9	26,700
	150	47.3	160.2	25,000
	155	45.4	155.3	23,500
	160	43.4	150.0	22,100
	165	41.3	144.4	20,800
	170	39.2	138.3	19,500
	175	36.9	131.7	18,400
	180	34.5	124.5	17,200
	185	32.0	116.6	16,100*
	190	29.2	107.8	14,400*
	195	26.2	98.0	12,700*
	200	22.8	86.5	11,000*
	205	18.8	72.7	9,200*
220	36	82.8	226.1	142,500*
	38	82.2	225.8	142,100*
	40	81.7	225.5	140,100*
	42	81.2	225.1	138,200*
	44	80.7	224.8	136,200*
	46	80.1	224.4	134,200*
	48	79.6	224.0	132,200*
	50	79.1	223.6	130,100*
	55	77.7	222.5	116,500*
	60	76.4	221.3	105,200*
	65	75.0	219.9	94,100
	70	73.7	218.4	84,300
	75	72.3	216.8	76,100
	80	70.9	215.1	69,200
	85	69.5	213.2	63,100
	90	68.1	211.2	57,900
	95	66.7	209.0	53,300
	36	82.8	226.1	142,500*
	38	82.2	225.8	142,100*
	40	81.7	225.5	140,100*
	42	81.2	225.1	138,200*
	44	80.7	224.8	136,200*
	46	80.1	224.4	134,200*
	48	79.6	224.0	132,200*
	50	79.1	223.6	130,100*
	55	77.7	222.5	116,500*
	60	76.4	221.3	105,200*
	65	75.0	219.9	94,100
	70	73.7	218.4	84,300
	75	72.3	216.8	76,100
	80	70.9	215.1	69,200
	85	69.5	213.2	63,100
	90	68.1	211.2	57,900
	95	66.7	209.0	53,300

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
220	100	65.3	206.7	49,200
	105	63.8	204.2	45,500
	110	62.4	201.6	42,300
	115	60.9	198.8	39,300
	120	59.4	195.8	36,600
	125	57.8	192.7	34,200
	130	56.3	189.3	31,900
	135	54.7	185.8	29,900
	140	53.0	182.0	28,000
	145	51.4	178.0	26,200
230	150	49.7	173.8	24,600
	155	47.9	169.3	23,100
	160	46.1	164.5	21,700
	165	44.2	159.3	20,300
	170	42.3	153.9	19,100
	175	40.3	148.0	17,900
	180	38.2	141.7	16,800
	185	36.0	134.9	15,800
	190	33.7	127.5	14,800
	195	31.2	119.4	13,200*
240	200	28.5	110.3	11,700*
	205	25.6	100.2	10,100*
	210	22.3	88.4	8,600*
	215	18.4	74.3	6,900*
	38	82.6	235.9	128,900*
	40	82.1	235.6	128,600*
	42	81.6	235.3	128,300*
	44	81.1	234.9	127,900*
	46	80.6	234.6	127,200*
	48	80.1	234.2	125,500*
	50	79.5	233.8	123,800*
	55	78.3	232.8	115,700*
	60	77.0	231.6	104,300*
	65	75.7	230.3	93,700
	70	74.4	228.9	83,900
	75	73.1	227.4	75,700
	80	71.8	225.7	68,700
	85	70.5	223.9	62,700
	90	69.1	222.0	57,400
	95	67.8	219.9	52,800
	100	66.4	217.7	48,700
	105	65.1	215.4	45,100
	110	63.7	212.9	41,800
	115	62.3	210.3	38,800
	120	60.8	207.5	36,100
	125	59.4	204.5	33,700
	130	57.9	201.4	31,400
	135	56.4	198.0	29,400
	140	54.9	194.5	27,500
	145	53.4	190.8	25,700
	150	51.8	186.9	24,100
	155	50.2	182.7	22,600
	160	48.5	178.3	21,100
	165	46.8	173.6	19,800
	170	45.0	168.6	18,600
	175	43.2	163.3	17,400
	180	41.3	157.6	16,300
	185	39.4	151.6	15,300
	190	37.3	145.0	14,300
	195	35.2	138.0	13,300
	200	32.9	130.4	11,900*
	205	30.5	122.0	10,400*
	210	27.9	112.8	9,000*
	215	25.0	102.3	7,600*
	220	21.7	90.3	6,100*
	225	17.9	75.8	4,600*

MANITOWOC ENGINEERING CO.

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



LIFTCRANE BOOM CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

888 SERIES 2

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

179,100 LB. CRANE COUNTERWEIGHT

44,000 LB. CARBODY COUNTERWEIGHT

28' 2" CRAWLERS EXTENDED

RATING OVER FRONT OF BLOCKED CRAWLERS

NO TRAVEL - LIMITED SWING

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
240	40	82.4	245.7	116,200*
	42	81.9	245.4	115,900*
	44	81.4	245.1	115,600*
	46	81.0	244.7	115,300*
	48	80.5	244.4	115,000*
	50	80.0	244.0	114,700*
	55	78.8	243.0	113,600*
	60	77.5	241.9	103,700*
	65	76.3	240.6	93,300
	70	75.1	239.3	83,600
	75	73.8	237.8	75,400
	80	72.6	236.2	68,400
	85	71.3	234.5	62,300
	90	70.1	232.7	57,100
	95	68.8	230.8	52,400
	100	67.5	228.7	48,300
	105	66.2	226.5	44,700
	110	64.9	224.1	41,400
	115	63.5	221.6	38,400
	120	62.2	218.9	35,700
	125	60.8	216.1	33,300
	130	59.4	213.2	31,000
	135	58.0	210.0	29,000
	140	56.6	206.7	27,100
	145	55.1	203.2	25,300
250	150	53.6	199.6	23,700
	155	52.1	195.7	22,100
	160	50.6	191.6	20,700
	165	49.0	187.2	19,400
	170	47.4	182.6	18,200
	175	45.7	177.7	17,000
	180	44.0	172.6	15,900
	185	42.2	167.1	14,800
	190	40.4	161.3	13,900
	195	38.5	155.0	12,900
	200	36.5	148.3	12,100
	205	34.4	141.1	10,700*
	210	32.2	133.2	9,300*
	215	29.8	124.6	8,000*
	220	27.3	115.1	6,700*
	225	24.4	104.5	5,400*
	230	21.3	92.1	4,100*
	40	82.7	255.8	105,800*
	42	82.2	255.5	105,500*
	44	81.8	255.2	105,200*
	46	81.3	254.9	104,900*
	48	80.9	254.5	104,600*
	50	80.4	254.2	104,300*
	55	79.2	253.2	103,500*
	60	78.1	252.1	102,700*
	65	76.9	251.0	93,000
	70	75.7	249.7	83,200
	75	74.5	248.3	75,000
	80	73.3	246.8	68,000
	85	72.1	245.1	62,000
	90	70.9	243.4	56,700
	95	69.7	241.5	52,100
	100	68.4	239.5	48,000
	105	67.2	237.4	44,300
	110	65.9	235.2	41,000
	115	64.7	232.8	38,000
	120	63.4	230.3	35,400
	125	62.1	227.6	32,900
	130	60.8	224.8	30,700
	135	59.4	221.8	28,600
	140	58.1	218.7	26,700
	145	56.7	215.4	24,900
	150	55.3	212.0	23,300
	155	53.9	208.3	21,800

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
250	160	52.5	204.5	20,300
	165	51.0	200.4	19,000
	170	49.5	196.1	17,800
	175	47.9	191.6	16,600
	180	46.4	186.9	15,500
	185	44.7	181.8	14,500
	190	43.1	176.5	13,500
	195	41.3	170.8	12,600
	200	39.5	164.8	11,700
	205	37.7	158.4	10,900
	210	35.7	151.5	9,600*
	215	33.7	144.1	8,300*
	220	31.5	136.0	7,100*
	225	29.2	127.2	5,800*
	230	26.7	117.5	4,600*
260	42	82.5	265.6	96,300*
	44	82.1	265.3	96,000*
	46	81.7	265.0	95,700*
	48	81.2	264.7	95,500*
	50	80.8	264.3	95,200*
	55	79.6	263.4	94,400*
	60	78.5	262.4	93,600*
	65	77.4	261.2	92,600
	70	76.3	260.0	92,800
	75	75.1	258.7	94,600
	80	74.0	257.2	97,500
	85	72.8	255.7	91,500
	90	71.7	254.0	86,200
	95	70.5	252.2	81,600
	100	69.3	250.3	77,500
	105	68.1	248.3	73,800
	110	66.9	246.1	70,500
	115	65.7	243.9	67,600
	120	64.5	241.5	64,900
	125	63.3	238.9	62,400
	130	62.0	236.3	60,200
	135	60.7	233.5	58,100
	140	59.5	230.5	56,200
	145	58.2	227.4	54,500
	150	56.9	224.1	52,800
	155	55.5	220.7	51,300
	160	54.2	217.0	49,900
	165	52.8	213.2	48,600
	170	51.4	209.2	47,300
	175	49.9	205.0	46,100
270	180	48.5	200.6	45,000
	185	46.9	195.9	44,000
	190	45.4	191.0	43,000
	195	43.8	185.8	42,100
	200	42.2	180.3	41,200
	205	40.5	174.5	40,400
	210	38.7	168.3	39,500*
	215	36.9	161.7	38,300*
	220	35.0	154.6	37,100*
	225	33.0	147.0	35,900*
	230	30.9	138.7	34,800*
	44	82.4	275.4	86,700*
	46	82.0	275.1	86,400*
	48	81.5	274.8	86,200*
	50	81.1	274.5	85,900*
	55	80.0	273.6	85,200*
	60	79.0	272.6	84,400*
	65	77.9	271.5	83,700*
	70	76.8	270.3	82,400
	75	75.7	269.0	81,100
	80	74.6	267.6	79,800
	85	73.5	266.1	78,500
	90	72.4	264.5	77,200

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
270	95	71.2	262.8	51,100
	100	70.1	261.0	47,000
	105	69.0	259.1	43,400
	110	67.8	257.0	40,100
	115	66.7	254.9	37,100
	120	65.5	252.6	34,400
	125	64.3	250.1	31,900
	130	63.1	247.6	29,700
	135	61.9	244.9	27,600
	140	60.7	242.1	25,700
	145	59.5	239.2	23,900
	150	58.2	236.1	22,300
	155	57.0	232.8	20,800
	160	55.7	229.4	19,400
	165	54.4	225.8	18,000
	170	53.1	222.0	16,800
	175	51.7	218.1	15,600
	180	50.3	213.9	14,500
	185	48.9	209.6	13,500
	190	47.5	205.0	12,500
	195	46.0	200.2	11,600
	200	44.5	195.1	10,700
	205	42.9	189.7	9,900
	210	41.3	184.1	9,100
	215	39.7	178.1	8,100*
	220	38.0	171.7	6,900*
	225	36.2	164.9	5,800*
	230	34.3	157.7	4,700*
280	44	82.7	285.5	79,300*
	46	82.3	285.2	79,000*
	48	81.8	284.9	78,800*
	50	81.4	284.6	78,500*
	55	80.4	283.8	77,800*
	60	79.4	282.8	77,100*
	65	78.3	281.8	76,400*
	70	77.3	280.6	75,600*
	75	76.2	279.4	73,700
	80	75.1	278.0	66,700
	85	74.1	276.6	60,600
	90	73.0	275.1	55,300
	95	71.9	273.4	50,700
	100	70.9	271.7	46,600
	105	69.8	269.8	42,900
	110	68.7	267.8	39,600
	115	67.6	265.8	36,600
	120	66.4	263.6	33,900
	125	65.3	261.3	31,500
	130	64.2	258.8	29,200
	135	63.0	256.3	27,100
	140	61.9	253.6	25,200
	145	60.7	250.8	23,500
	150	59.5	247.8	21,800
	155	58.3	244.7	20,300
	160	57.1	241.5	18,900
	165	55.8	238.1	17,500
	170	54.6	234.5	16,300
	175	53.3	230.8	15,100
	180	52.0	226.9	14,000
	185	50.7	222.8	13,000
	190	49.4	218.5	12,000
	195	48.0	214.0	11,100
	200	46.6	209.3	10,200
	205	45.1	204.3	9,400
	210	43.6	199.1	8,600
	215	42.1	193.6	7,800
	220	40.6	187.7	6,800*
	225	38.9	181.6	5,700*
	230	37.2	175.0	4,600*

MANITOWOC ENGINEERING CO.

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



LIFTCRANE BOOM CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

888 SERIES 2

BOOM NO. 22E WITH OPEN THROAT TOP

OFFSET 4-1/2 DEGREES

179,100 LB. CRANE COUNTERWEIGHT

44,000 LB. CARBODY COUNTERWEIGHT

28' 2" CRAWLERS EXTENDED

RATING OVER FRONT OF BLOCKED CRAWLERS

NO TRAVEL - LIMITED SWING

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
290	46	82.5	295.3	72,300*
	48	82.1	295.1	72,000*
	50	81.7	294.7	71,800*
	55	80.7	293.9	71,100*
	60	79.7	293.0	70,400*
	65	78.7	292.0	69,700*
	70	77.7	290.9	69,000*
	75	76.7	289.7	67,300*
	80	75.7	288.4	65,500*
	85	74.6	287.0	60,200
	90	73.6	285.5	54,900
	95	72.6	283.9	50,300
	100	71.5	282.3	46,200
	105	70.5	280.5	42,500
	110	69.4	278.6	39,200
	115	68.4	276.6	36,200
	120	67.3	274.5	33,500
	125	66.2	272.3	31,000
	130	65.1	270.0	28,800
	135	64.0	267.5	26,700
	140	62.9	264.9	24,800
	145	61.8	262.2	23,100
	150	60.7	259.4	21,400
	155	59.5	256.5	19,900
	160	58.4	253.4	18,500
	165	57.2	250.2	17,100
	170	56.0	246.8	15,900
	175	54.8	243.2	14,700
	180	53.6	239.5	13,600
	185	52.3	235.7	12,600
	190	51.0	231.6	11,600
	195	49.7	227.4	10,700
	200	48.4	223.0	9,800
	205	47.1	218.3	9,000
	210	45.7	213.5	8,200
	215	44.3	208.3	7,400
	220	42.8	203.0	6,700*
	225	41.3	197.3	5,600*
	230	39.8	191.3	4,500*