

MANITOWOC ENGINEERING CO.

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



LIFTCRANE CAPACITIES

BOOM NO. 27B WITH OPEN THROAT TOP
120,000 LB. OR 123,000 LB. COUNTERWEIGHT
360 DEGREE RATING

MEETS
ANSI B30.5
REQUIREMENTS

4600 SERIES 4

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 IS 44,000 LBS. IN ALL CASES, UPPER BOOM POINT CAPACITIES CANNOT EXCEED THOSE LISTED FOR THE 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 THE MAIN BOOM LOAD. BOOM IS NOT TO BE LOWERED BEYOND RADII WHERE COMBINED WEIGHTS ARE GREATER THAN RATED CAPACITY. WHERE NO CAPACITY IS SHOWN, OPERATION IS NOT INTENDED OR APPROVED.

MACHINE TO OPERATE IN A LEVEL POSITION ON A FIRM UNIFORMLY SUPPORTING SURFACE WITH GANTRY UP. REFER TO BOOM RIGGING NO. 65234 AND WIRE ROPE SPECIFICATION CHART NO. 6495-A. CRANE OPERATOR JUDGMENT MUST BE USED TO ALLOW FOR DYNAMIC LOAD EFFECTS OF SWINGING, HOISTING OR LOWERING, TRAVEL, WIND CONDITIONS, AS WELL AS ADVERSE OPERATING CONDITIONS AND PHYSICAL MACHINE DEPRECIATION.

OPERATING RADIUS IS THE HORIZONTAL DISTANCE FROM THE AXIS OF ROTATION TO THE CENTER OF VERTICAL HOIST LINE OR LOAD BLOCK. BOOM ANGLE IS THE 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 30" CRAWLERS, 60" TREADS, 33' RETRACTABLE GANTRY, 12 PART BOOM HOIST REEVING, FOUR 1-3/8" BOOM PENDANTS, AND 123,000 LB. COUNTERWEIGHT WITH COUNTERWEIGHT ASSEMBLY NO. 190821 (120,000 LB. COUNTERWEIGHT WITH COUNTERWEIGHT ASSEMBLY NO. 49667).

MAXIMUM BOOM AND JIB LENGTHS LIFTED UNASSISTED					
OVER FRONT OF BLOCKED CRAWLERS			OVER SIDE OF CRAWLERS		DEDUCT FROM CAPACITIES WHEN JIB IS ATTACHED
BOOM LGTH.	JIB NO.	125	BOOM LGTH.	JIB NO.	
310'	---	---	290'	---	40'
300'	---	---	280'	---	50'
290'	---	---	270'	---	60'
280'	40'	---	260'	60'	70'
270'	60'	---	250'	80'	80'
260'	80'	---			
					6,400 LBS.
					7,500 LBS.
					8,600 LBS.
					9,800 LBS.
					11,000 LBS.

LOAD BLOCK, HOOK AND WEIGHT BALL ON GROUND AT START.
TO COMPLY WITH B30.5 REQUIREMENTS, INSERT NO. 49682
CANNOT BE USED ON 310' BOOM.

CONSULT JIB CHART FOR JIB CAPACITIES.

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	CAPACITY POUNDS
80	20	80.3	87.8	700,000*
	21	79.6	87.6	623,000*
	22	78.8	87.4	584,800
	23	78.1	87.2	537,000
	24	77.4	87.0	496,300
	25	76.6	86.8	461,100
	26	75.9	86.5	430,600
	27	75.2	86.3	403,700
	28	74.4	86.0	379,900
	29	73.7	85.7	358,600
	30	72.9	85.4	339,600
	32	71.4	84.8	306,800
	34	69.9	84.1	279,600
	36	68.4	83.3	256,600
	38	66.8	82.5	237,000
	40	65.2	81.6	220,100
	45	61.2	79.1	186,300
	50	57.1	76.1	161,100
	55	52.7	72.6	141,500
	60	48.0	68.4	125,900
90	65	43.0	63.5	113,200
	70	37.5	57.6	102,600
	75	31.1	50.3	93,600
	20	81.4	97.9	647,300*
	21	80.7	97.8	621,300*
	22	80.1	97.6	584,300
	23	79.4	97.4	536,400
	24	78.8	97.2	495,700
	25	78.1	97.0	460,500
	26	77.5	96.8	429,900
100	27	76.8	96.6	403,000
	28	76.2	96.3	379,200
	29	75.5	96.1	358,000
	30	74.9	95.8	338,900
	32	73.5	95.2	306,100
	34	72.2	94.6	278,800
	36	70.9	94.0	255,900
	38	69.5	93.2	236,300
	40	68.1	92.5	219,300
	45	64.7	90.3	185,500
110	50	61.1	87.7	160,300
	55	57.4	84.8	140,700
	60	53.5	81.3	125,100
	65	49.5	77.3	112,300
	70	45.1	72.7	101,700
	75	40.4	67.3	92,800
	80	35.2	60.9	85,100
	85	29.3	53.0	78,500
	22	81.1	107.7	583,900
	23	80.5	107.6	536,000
120	24	79.9	107.4	495,300
	25	79.3	107.2	460,100
	26	78.8	107.0	429,500
	27	78.2	106.8	402,600
	28	77.6	106.6	378,700
	29	77.0	106.4	357,500
	30	76.4	106.1	338,400
	32	75.2	105.6	305,600
	34	74.0	105.1	278,300
	36	72.8	104.5	255,400
130	38	71.6	103.8	235,800
	40	70.4	103.2	218,800
	45	67.4	101.2	185,000
	50	64.2	99.0	159,700
	55	61.0	96.4	140,200
	60	57.7	93.4	124,500
	65	54.2	90.0	111,800
	70	50.6	86.2	101,200
	75	46.8	81.8	92,200
	80	42.7	76.7	84,500
140	85	38.3	70.9	77,900
	90	33.4	64.0	72,100
	95	27.7	55.5	67,000

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BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	CAPACITY POUNDS
110	23	81.4	117.7	535,400
	24	80.8	117.5	494,600
	25	80.3	117.4	459,400
	26	79.8	117.2	428,800
	27	79.3	117.0	401,900
	28	78.7	116.8	378,000
	29	78.2	116.6	356,800
	30	77.7	116.4	337,700
	32	76.6	115.9	304,800
	34	75.5	115.4	277,600
	36	74.4	114.9	254,600
	38	73.4	114.3	235,000
	40	72.3	113.7	218,000
	45	69.5	112.0	184,200
	50	66.7	110.0	158,900
120	55	63.8	107.7	139,300
	60	60.9	105.1	123,700
	65	57.9	102.1	110,900
	70	54.7	98.8	100,300
	75	51.5	95.0	91,300
	80	48.1	90.8	83,600
	85	44.5	86.0	77,000
	90	40.6	80.5	71,200
	95	36.4	74.3	66,100
	100	31.8	66.9	61,500
	105	26.4	57.9	57,400
130	25	81.1	127.5	458,900
	26	80.6	127.3	428,200
	27	80.2	127.2	401,300
	28	79.7	127.0	377,400
	29	79.2	126.8	356,100
	30	78.7	126.6	337,000
	32	77.7	126.2	304,200
	34	76.8	125.7	276,900
	36	75.8	125.3	253,900
	38	74.8	124.7	234,300
	40	73.8	124.2	217,300
	45	71.3	122.6	183,400
	50	68.7	120.8	158,200
	55	66.2	118.7	138,600
	60	63.5	116.4	122,900
140	65	60.8	113.7	110,200
	70	58.1	110.8	99,500
	75	55.2	107.5	90,600
	80	52.2	103.8	82,900
	85	49.1	99.7	76,200
	90	45.9	95.1	70,400
	95	42.5	90.0	65,300
	100	38.8	84.2	60,700
	105	34.8	77.5	56,700
	110	30.4	69.7	53,000
	115	25.3	60.2	49,700
150	26	81.4	137.5	427,500
	27	80.9	137.3	400,500
	28	80.5	137.1	376,700
	29	80.0	137.0	355,400
	30	79.6	136.8	336,300
	32	78.7	136.4	303,400
	34	77.8	136.0	276,100
	36	76.9	135.5	253,100
	38	76.0	135.1	233,400
	40	75.1	134.5	216,500
	45	72.8	133.1	182,600
	50	70.5	131.4	157,300
	55	68.1	129.6	137,700
160	60	65.7	127.4	122,100
	65	63.3	125.0	109,300
	70	60.8	122.4	98,600
	75	58.2	119.4	89,700
	80	55.6	116.2	82,000
	85	52.9	112.6	75,300
	90	50.0	108.6	69,500
	95	47.1	104.2	64,400
	100	44.0	99.3	59,800
	105	40.7	93.8	55,700
	110	37.2	87.6	52,100
	115	33.4	80.5	48,800
	120	29.2	72.3	45,800
	28	81.2	147.3	376,300
	29	80.8	147.1	355,000
170	30	80.3	147.0	335,900
	32	79.5	146.6	303,000
	34	78.7	146.2	275,700
	36	77.8	145.8	252,700
	38	77.0	145.3	233,000
	40	76.2	144.9	216,000
	45	74.0	143.5	182,200
	50	71.9	142.0	156,900
	55	69.7	140.3	137,300
	60	67.5	138.3	121,600
	65	65.3	136.1	108,800
	70	63.0	133.7	98,200
	75	60.7	131.0	89,200
	80	58.3	128.1	81,500
	85	55.9	124.9	74,900
180	90	53.4	121.3	69,000
	95	50.8	117.4	63,900
	100	48.1	113.1	59,300
	105	45.3	108.4	55,300
	110	42.3	103.2	51,600
	115	39.2	97.4	48,300
	120	35.8	90.9	45,300
	125	32.2	83.5	42,500
	130	28.1	74.9	40,000
	29	81.4	157.2	354,300
	30	81.0	157.1	335,100
	32	80.2	156.8	302,200
	34	79.4	156.4	274,900
	36	78.7	156.0	251,900
	38	77.9	155.6	232,200
	40	77.1	155.1	215,200
	45	75.1	153.9	181,300
	50	73.1	152.5	156,000
	55	71.1	150.9	136,400
	60	69.1	149.1	120,700
	65	67.0	147.1	107,900
	70	65.0	144.8	97,300
	75	62.8	142.4	88,300
	80	60.7	139.7	80,600
	85	58.4	136.8	74,000
	90	56.2	133.5	68,100
	95	53.8	130.0	63,000
	100	51.4	126.2	58,400
190	105	51.4	126.2	58,400
	110	48.1	122.1	54,400
	115	46.4	117.5	50,700
	120	43.7	112.5	47,400
	125	40.8	107.0	44,400
	130	37.8	100.9	41,600
	135	34.6	94.1	39,100
	140	31.1	86.3	36,800
	145	27.1	77.3	34,600
	32	80.8	166.9	302,300
	34	80.1	166.6	275,000
	36	79.4	166.2	251,900
	38	78.6	165.8	232,300
	40	77.9	165.4	215,300
	45	76.1	164.2	181,400
	50	74.2	162.9	156,000
	55	72.4	161.4	136,400
	60	70.5	159.7	120,800
	65	68.6	157.9	108,000
	70	66.6	155.8	97,300
	75	64.7	153.5	88,300
	80	62.7	151.1	80,600
	85	60.6	148.4	74,000
	90	58.5	145.4	68,100
	95	56.4	142.2	63,000
	100	54.2	138.8	58,400
	105	52.0	135.0	54,400
	110	49.7	131.0	50,700
	115	47.3	126.5	47,400
	120	44.8	121.7	44,400
	125	42.2	116.4	41,600
	130	39.5	110.7	39,100
	135	36.6	104.3	36,800
	140	33.4	97.1	34,600
	145	30.0	89.0	32,700
	150	26.2	79.7	30,800
200	32	81.4	177.0	301,600
	34	80.7	176.7	274,200
	36	80.0	176.4	251,200
	38	79.3	176.0	231,500
	40	78.6	175.6	214,500
	45	76.9	174.5	180,600
	50	75.2	173.3	155,200
	55	73.4	171.9	135,600
	60	71.7	170.3	119,900
	65	69.9	168.6	107,100
	70	68.1	166.6	96,500
	75	66.2	164.5	87,500
	80	64.4	162.2	79,800
	85	62.5	159.7	73,100
	90	60.6	157.0	67,300
	95	58.6	154.1	62,100
	100	56.6	150.9	57,600
	105	54.6	147.5	53,500
	110	52.5	143.8	49,800
	115	50.3	139.8	46,500
	120	48.1	135.5	43,500
	125	45.8	130.8	40,700
	130	43.4	125.8	38,200
	135	40.9	120.2	35,900
	140	38.3	114.2	33,800
	145	35.4	107.5	31,800
	150	32.4	100.1	29,900
	155	29.1	91.7	28,200
	160	25.5	82.0	26,600

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BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	CAPACITY POUNDS
180	34	81.2	186.8	273,800
	36	80.6	186.5	250,700
	38	79.9	186.2	231,000
	40	79.3	185.8	214,000
	45	77.6	184.8	180,100
	50	76.0	183.6	154,700
	55	74.4	182.3	135,100
	60	72.7	180.8	119,400
	65	71.0	179.2	106,600
	70	69.3	177.4	95,900
	75	67.6	175.4	87,000
	80	65.9	173.2	79,200
	85	64.1	170.9	72,600
	90	62.4	168.4	66,700
	95	60.5	165.7	61,600
	100	58.7	162.7	57,000
	105	56.8	159.6	53,000
	110	54.9	156.2	49,300
	115	52.9	152.6	46,000
	120	50.9	148.6	42,900
190	125	48.8	144.4	40,200
	130	46.7	139.9	37,700
	135	44.4	135.0	35,300
	140	42.1	129.7	33,200
	145	39.7	123.9	31,200
	150	37.1	117.6	29,400
	155	34.4	110.7	27,700
	160	31.5	102.9	26,100
	165	28.3	94.2	24,600
	36	81.1	196.6	250,000
	38	80.5	196.3	230,200
	40	79.8	196.0	213,200
	45	78.3	195.0	179,300
	50	76.8	193.9	153,900
	55	75.2	192.6	134,300
	60	73.6	191.2	118,600
	65	72.1	189.7	105,800
	70	70.5	188.0	95,100
	75	68.9	186.2	86,100
	80	67.2	184.1	78,400
	85	65.6	182.0	71,700
	90	63.9	179.6	65,900
	95	62.2	177.1	60,700
	100	60.5	174.3	56,200
	105	58.8	171.4	52,100
	110	57.0	168.3	48,400
	115	55.2	164.9	45,100
	120	53.3	161.3	42,100
	125	51.4	157.5	39,300
	130	49.5	153.3	36,800
	135	47.4	148.9	34,500
	140	45.4	144.1	32,300
	145	43.2	139.0	30,300
	150	41.0	133.5	28,500
	155	38.6	127.5	26,800
	160	36.1	120.9	25,200
	165	33.5	113.7	23,700
	170	30.6	105.7	22,300
	175	27.5	96.7	21,000

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	CAPACITY POUNDS
200	36	81.5	206.7	249,800
	38	80.9	206.4	230,100
	40	80.4	206.1	213,100
	45	78.9	205.2	179,100
	50	77.4	204.1	153,800
	55	76.0	203.0	134,100
	60	74.5	201.6	118,400
	65	73.0	200.2	105,600
	70	71.5	198.6	95,000
	75	70.0	196.8	86,000
	80	68.4	194.9	78,200
	85	66.9	192.9	71,600
	90	65.3	190.7	65,700
	95	63.7	188.3	60,600
	100	62.1	185.7	56,000
	105	60.5	183.0	51,900
	110	58.8	180.1	48,300
	115	57.1	176.9	44,900
	120	55.4	173.6	41,900
	125	53.7	170.1	39,200
210	130	51.9	166.3	36,600
	135	50.0	162.2	34,300
	140	48.1	157.9	32,200
	145	46.2	153.2	30,200
	150	44.2	148.2	28,300
	155	42.1	142.9	26,600
	160	39.9	137.1	25,000
	165	37.6	130.9	23,500
	170	35.2	124.1	22,100
	175	32.6	116.7	20,800
	180	29.8	108.4	19,600
	185	26.8	99.1	18,400
	38	81.4	216.6	229,400
	40	80.8	216.2	212,300
	45	79.4	215.4	178,400
	50	78.0	214.4	153,000
	55	76.6	213.3	133,300
	60	75.2	212.0	117,600
	65	73.8	210.6	104,800
	70	72.4	209.1	94,100
	75	71.0	207.5	85,100
	80	69.5	205.7	77,400
	85	68.0	203.7	70,700
	90	66.6	201.6	64,900
	95	65.1	199.4	59,800
	100	63.6	197.0	55,200
	105	62.0	194.4	51,100
	110	60.5	191.7	47,400
	115	58.9	188.7	44,100
	120	57.3	185.6	41,100
	125	55.6	182.3	38,300
	130	54.0	178.8	35,800
	135	52.3	175.0	33,500
	140	50.5	171.0	31,300
	145	48.7	166.8	29,300
	150	46.9	162.3	27,500
	155	45.0	157.4	25,800
	160	43.0	152.2	24,200
	165	41.0	146.7	22,700
	170	38.9	140.7	21,300
	175	36.6	134.3	20,000
	180	34.3	127.2	18,700
	185	31.8	119.6	17,600
	190	29.1	111.1	16,500
	195	26.2	101.5	15,400

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	CAPACITY POUNDS
220	40	81.2	226.4	211,800
	45	79.9	225.5	177,800
	50	78.6	224.6	152,400
	55	77.3	223.5	132,800
	60	75.9	222.3	117,100
	65	74.6	221.0	104,300
	70	73.2	219.6	93,600
	75	71.9	218.0	84,600
	80	70.5	216.3	76,900
	85	69.1	214.5	70,200
	90	67.7	212.5	64,300
	95	66.3	210.4	59,200
	100	64.8	208.1	54,600
	105	63.4	205.7	50,500
	110	61.9	203.1	46,800
	115	60.5	200.3	43,500
	120	58.9	197.4	40,500
	125	57.4	194.3	37,700
	130	55.8	191.0	35,200
	135	54.3	187.5	32,900
230	140	52.6	183.8	30,700
	145	51.0	179.9	28,800
	150	49.3	175.7	26,900
	155	47.5	171.3	25,200
	160	45.8	166.5	23,600
	165	43.9	161.5	22,100
	170	42.0	156.1	20,700
	175	40.0	150.4	19,400
	180	37.9	144.2	18,100
	185	35.8	137.5	17,000
240	190	33.5	130.3	15,900
	195	31.0	122.4	14,800
	200	28.4	113.6	13,800
	205	25.5	103.8	12,900

MANITOWOC ENGINEERING CO.

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



LIFT CRANE CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

4600 SERIES 4

BOOM NO. 27B WITH OPEN THROAT TOP
120,000 LB. OR 123,000 LB. COUNTERWEIGHT
360 DEGREE RATING

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	CAPACITY POUNDS
230	45	80.4	235.7	177,100
	50	79.1	234.8	151,700
	55	77.8	233.8	132,000
	60	76.5	232.6	116,300
	65	75.3	231.4	103,400
	70	74.0	230.0	92,800
	75	72.7	228.5	83,800
	80	71.4	226.9	76,000
	85	70.0	225.1	69,400
	90	68.7	223.2	63,500
	95	67.4	221.2	58,400
	100	66.0	219.1	53,800
	105	64.6	216.8	49,700
	110	63.3	214.3	46,000
	115	61.9	211.7	42,700
	120	60.4	209.0	39,700
	125	59.0	206.1	36,900
	130	57.5	203.0	34,400
	135	56.0	199.7	32,000
	140	54.5	196.2	29,900
240	145	53.0	192.6	27,900
	150	51.4	188.7	26,100
	155	49.8	184.6	24,400
	160	48.1	180.2	22,700
	165	46.4	175.6	21,300
	170	44.7	170.7	19,800
	175	42.9	165.5	18,500
	180	41.0	159.9	17,300
	185	39.1	154.0	16,100
	190	37.1	147.6	15,000
	195	35.0	140.7	14,000
	200	32.7	133.3	13,000
	205	30.3	125.1	12,000
	210	27.8	116.1	11,100
	215	25.0	106.0	10,300
250	45	80.8	245.8	176,800
	50	79.6	245.0	151,400
	55	78.3	244.0	131,700
	60	77.1	242.9	116,000
	65	75.9	241.7	103,200
	70	74.7	240.4	92,500
	75	73.4	239.0	83,500
	80	72.2	237.4	75,800
	85	70.9	235.7	69,100
	90	69.6	233.9	63,300
	95	68.4	232.0	58,100
	100	67.1	230.0	53,500
	105	65.8	227.8	49,400
	110	64.5	225.5	45,800
	115	63.1	223.0	42,400
	120	61.8	220.4	39,400
	125	60.4	217.6	36,600
	130	59.0	214.7	34,100
	135	57.6	211.6	31,800
	140	56.2	208.4	29,600
260	145	54.8	204.9	27,700
	150	53.3	201.3	25,800
	155	51.8	197.5	24,100
	160	50.2	193.4	22,500
	165	48.7	189.2	21,000
	170	47.1	184.6	19,600
	175	45.4	179.8	18,300
	180	43.7	174.8	17,000
	185	42.0	169.6	15,800
	190	40.2	164.2	14,700
	195	38.4	158.6	13,600
	200	36.5	152.8	12,600
	205	34.6	146.8	11,600
	210	32.6	140.6	10,700
	215	30.5	134.2	9,800
	220	28.4	127.6	9,000
	225	26.2	120.8	8,200
	230	24.0	113.8	7,500
	235	21.7	106.6	6,800
	240	19.4	99.2	6,200
270	45	81.1	256.0	176,000*
	50	80.0	255.1	150,700
	55	78.8	254.2	131,000
	60	77.6	253.1	115,200
	65	76.5	252.0	102,400
	70	75.3	250.7	91,700
	75	74.1	249.4	82,700
	80	72.9	247.9	75,000
	85	71.7	246.3	68,300
	90	70.5	244.6	62,500
	95	69.3	242.7	57,300
	100	68.0	240.8	52,700
	105	66.8	238.7	48,600
	110	65.5	236.5	44,900
	115	64.3	234.2	41,600
	120	63.0	231.7	38,600
	125	61.7	229.1	35,800
	130	60.4	226.3	33,300
	135	59.1	223.4	31,000
	140	57.7	220.3	28,800
280	145	56.4	217.1	26,800
	150	55.0	213.7	25,000
	155	53.6	210.1	23,300
	160	52.1	206.3	21,700
	165	50.7	202.3	20,200
	170	49.2	198.1	18,800
	175	47.6	193.6	17,400
	180	46.1	188.9	16,200
	185	44.4	184.0	15,000
	190	42.8	178.7	13,900
	195	41.1	173.2	12,900
	200	39.3	167.2	11,900
	205	37.4	160.9	10,900
	210	35.5	154.2	10,100
	215	33.5	146.9	9,200
	220	31.4	139.0	8,400
	225	29.1	130.4	7,600
	230	26.6	121.0	6,900
	235	24.1	111.4	6,200
	240	21.5	101.6	5,600

MANITOWOC ENGINEERING CO.

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



LIFT CRANE CAPACITIES

BOOM NO. 27B WITH OPEN THROAT TOP
120,000 LB. OR 123,000 LB. COUNTERWEIGHT
360 DEGREE RATING

MEETS
ANSI B30.5
REQUIREMENTS

4600 SERIES 4

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	CAPACITY POUNDS	BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	CAPACITY POUNDS	BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	CAPACITY POUNDS
200	50	81.1	285.5	149,000	200	55	80.4	294.9	128,600	300	190	52.3	246.3	10,700
	55	80.0	284.7	129,300		60	79.4	294.0	112,800		195	51.1	242.3	9,700
	60	79.0	283.8	113,600		65	78.4	293.0	100,000		200	49.8	238.2	8,700
	65	77.9	282.8	100,700		70	77.4	291.9	89,300		205	48.6	233.9	7,700
	70	76.9	281.6	90,000		75	76.3	290.7	80,200		210	47.3	229.4	6,900
	75	75.8	280.4	81,000		80	75.3	289.5	72,500		215	46.0	224.6	6,000
	80	74.8	279.1	73,300		85	74.3	288.1	65,800		220	44.6	219.7	5,200
	85	73.7	277.7	66,600		90	73.3	286.7	60,000		225	43.3	214.5	4,400
	90	72.6	276.2	60,700		95	72.2	285.1	54,800	310	55	81.0	315.1	127,200
	95	71.6	274.6	55,600		100	71.2	283.5	50,200		60	80.1	314.3	111,500
	100	70.5	272.9	51,000		105	70.1	281.7	46,100		65	79.1	313.4	98,600
	105	69.4	271.0	46,900		110	69.1	279.8	42,400		70	78.2	312.4	87,900
	110	68.3	269.1	43,200		115	68.0	277.9	39,100		75	77.2	311.3	78,900
	115	67.2	267.1	39,900		120	67.0	275.8	36,000		80	76.3	310.1	71,100
	120	66.1	264.9	36,800		125	65.9	273.6	33,300		85	75.3	308.8	64,400
	125	65.0	262.6	34,100		130	64.8	271.3	30,700		90	74.4	307.5	58,600
	130	63.8	260.2	31,500		135	63.7	268.9	28,400		95	73.4	306.0	53,400
	135	62.7	257.7	29,200		140	62.6	266.4	26,300		100	72.4	304.5	48,800
	140	61.5	255.1	27,100		145	61.5	263.7	24,300		105	71.5	302.9	44,700
	145	60.4	252.3	25,100		150	60.3	260.9	22,400		110	70.5	301.1	41,000
	150	59.2	249.4	23,200		155	59.2	258.0	20,700		115	69.5	299.3	37,700
	155	58.0	246.3	21,500		160	58.0	255.0	19,100		120	68.5	297.4	34,600
	160	56.8	243.1	19,900		165	56.9	251.8	17,600		125	67.5	295.4	31,900
	165	55.5	239.8	18,400		170	55.7	248.5	16,200		130	66.5	293.3	29,300
	170	54.3	236.2	17,000		175	54.5	245.0	14,900		135	65.5	291.1	27,000
	175	53.0	232.6	15,700		180	53.3	241.3	13,600		140	64.5	288.7	24,800
	180	51.7	228.7	14,400		185	52.0	237.5	12,500		145	63.5	286.3	22,900
	185	50.4	224.7	13,300		190	50.7	233.5	11,300		150	62.4	283.7	21,000
	190	49.1	220.4	12,200		195	49.5	229.3	10,300		155	61.4	281.1	19,300
	195	47.7	216.0	11,100		200	48.1	224.9	9,300		160	60.3	278.3	17,700
	200	46.3	211.3	10,100		205	46.8	220.4	8,400		165	59.3	275.4	16,200
	205	44.9	206.4	9,200		210	45.4	215.5	7,500		170	58.2	272.3	14,800
	210	43.4	201.3	8,300		215	44.0	210.5	6,600		175	57.1	269.1	13,400
	215	41.9	195.8	7,400		220	42.6	205.2	5,800		180	56.0	265.8	12,200
	220	40.3	190.1	6,600		225	41.1	199.6	5,000		185	54.8	262.4	11,000
	225	38.7	184.0	5,900		230	39.6	193.7	4,300		190	53.7	258.8	9,900
	230	37.0	177.6	5,100							195	52.6	255.0	8,900
	235	35.3	170.8	4,400							200	51.4	251.1	7,900
300					300	55	80.7	305.0	128,000		205	50.2	247.1	6,900
						60	79.7	304.1	112,200		210	49.0	242.8	6,000
						65	78.8	303.2	99,400		215	47.7	238.3	5,200
						70	77.8	302.1	88,700		220	46.5	233.7	4,400
						75	76.8	301.0	79,600					
						80	75.8	299.8	71,900					
						85	74.8	298.5	65,200					
						90	73.8	297.1	59,300					
						95	72.8	295.6	54,200					
						100	71.8	294.0	49,600					
						105	70.8	292.3	45,500					
						110	69.8	290.5	41,800					
						115	68.8	288.6	38,500					
						120	67.8	286.6	35,400					
						125	66.7	284.5	32,700					
						130	65.7	282.3	30,100					
						135	64.6	280.0	27,800					
						140	63.6	277.6	25,700					
						145	62.5	275.1	23,700					
						150	61.4	272.4	21,800					
						155	60.3	269.6	20,100					
						160	59.2	266.7	18,500					
						165	58.1	263.6	17,000					
						170	57.0	260.5	15,600					
						175	55.8	257.1	14,300					
						180	54.7	253.7	13,000					
						185	53.5	250.1	11,800					