

MANITOWOC ENGINEERING CO.

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



LIFTCRANE CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

3900T SERIES 2

BOOM NO. 9A WITH OPEN THROAT TOP
74,000 LB. CRANE COUNTERWEIGHT
10,500 LB. FRONT BUMPER COUNTERWEIGHT
RATING OVER REAR SECTOR ON EXTENDED OUTRIGGERS
85% TIPPING

CAPACITIES FOR VARIOUS BOOM LENGTHS AND OPERATING RADII ARE FOR FREELY SUSPENDED LOADS AND DO NOT EXCEED 85% 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 22,500 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 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 AND OUTRIGGERS FULLY EXTENDED AND SET. REFER TO BOOM RIGGING NO. 49447, WIRE ROPE SPECIFICATION CHART NO. 6435 AND OPERATING RANGE DIAGRAM CHART NO. 6423-C. 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.

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 MANITOWOC-HENDRICKSON OR MANITOWOC-PIERCE 12 X 6 CARRIER, 226" WHEELBASE, 105" FRONT AXLE TRACK, 100" REAR AXLE TRACK, 14.00-20 TIRES, 112" OUTRIGGERS, 10 RETRACTABLE GANTRY, 10 OR 12 PART BOOM HOIST REEVING, FOUR 1-1/4" BOOM PENDANTS, 74,000 LB. CRANE COUNTERWEIGHT AND 10,500 LB. FRONT BUMPER COUNTERWEIGHT.

DO NOT ROTATE UPPERWORKS OVER SIDE WITH 61,200 LB. OR 74,000 LB. COUNTERWEIGHT ATTACHED UNLESS OUTRIGGERS ARE FULLY EXTENDED AND SET.

MAXIMUM BOOM AND JIB LENGTHS LIFTED UNASSISTED						DEDUCT FROM CAPACITIES WHEN JIB IS ATTACHED		
OVER REAR ON EXTENDED OUTRIGGERS			OVER SIDE ON EXTENDED OUTRIGGERS					
BOOM LGTH.	JIB NO. 123	JIB NO. 124	BOOM LGTH.	JIB NO. 123	JIB NO. 124	JIB LGTH.	JIB NO. 123	JIB NO. 124
220'			220'			30'	2,500 LBS.	1,800 LBS.
220'	50'	60'	210'			40'	3,100 LBS.	2,050 LBS.
210'	60'	60'	200'	40'	60'	50'	3,700 LBS.	2,300 LBS.
			190'	60'	60'	60'	4,400 LBS.	2,500 LBS.
LOAD BLOCK, HOOK AND WEIGHT BALL ON GROUND AT START.								

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	CAPACITY POUNDS
60	12	82.0	67.2	280,000*
	13	81.0	67.1	277,700*
	14	80.0	66.9	271,100*
	15	79.1	66.7	260,700*
	16	78.1	66.5	250,600*
	17	77.1	66.3	241,300*
	18	76.1	66.1	232,600*
	19	75.2	65.8	224,500*
	20	74.2	65.5	216,900*
	22	72.2	64.9	203,200*
	24	70.1	64.2	188,100*
	26	68.1	63.5	164,800*
	28	66.0	62.6	149,700*
	30	63.9	61.7	137,600*
	32	61.8	60.7	127,300*
	34	59.6	59.6	118,300*
	36	57.3	58.3	110,500*
	38	55.0	57.0	103,600*
	40	52.7	55.5	97,500*
	45	46.4	51.3	84,700*
	50	39.4	45.9	72,100*
	55	31.1	38.8	60,000*
	60	20.0	28.4	48,300*

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	CAPACITY POUNDS
70	14	81.5	77.0	262,000*
	15	80.6	76.9	255,800*
	16	79.8	76.7	249,600*
	17	79.0	76.5	240,300*
	18	78.1	76.3	231,600*
	19	77.3	76.1	223,500*
	20	76.5	75.9	216,000*
	22	74.8	75.4	202,300*
	24	73.1	74.8	186,000*
	26	71.4	74.1	164,400*
	28	69.6	73.4	149,000*
	30	67.9	72.7	136,900*
	32	66.1	71.8	126,500*
	34	64.3	70.9	117,600*
	36	62.5	69.9	109,700*
	38	60.6	68.8	102,800*
	40	58.7	67.6	96,700*
	45	53.8	64.3	83,900*
	50	48.5	60.2	74,000*
	55	42.8	55.4	66,000*
	60	36.4	49.3	57,100*
	65	28.7	41.5	48,400*
	70	18.5	30.0	39,900*

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	CAPACITY POUNDS
80	15	81.8	87.0	238,800*
	16	81.1	86.8	233,500*
	17	80.4	86.7	228,500*
	18	79.6	86.5	223,700*
	19	78.9	86.3	219,100*
	20	78.2	86.1	214,700*
	22	76.7	85.7	201,000*
	24	75.2	85.2	181,800*
	26	73.8	84.6	164,000*
	28	72.3	84.0	148,600*
	30	70.8	83.3	136,400*
	32	69.2	82.6	126,100*
	34	67.7	81.8	117,000*
	36	66.1	81.0	109,200*
	38	64.6	80.1	102,200*
	40	63.0	79.1	96,100*
	45	58.9	76.3	83,300*
	50	54.6	73.0	73,300*
	55	50.0	69.1	65,300*
	60	45.2	64.6	58,700*
	65	39.9	59.1	53,100*
	70	33.9	52.5	46,400*
	75	26.9	43.9	39,800*
	80	17.3	31.6	32,400*

MANITOWOC ENGINEERING CO.

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



LIFTCRANE CAPACITIES

MEETS
ANSI B30.6
REQUIREMENTS

3900T SERIES 2

BOOM NO. 9A WITH OPEN THROAT TOP
74,000 LB. CRANE COUNTERWEIGHT
10,500 LB. FRONT BUMPER COUNTERWEIGHT
RATING OVER REAR SECTOR ON EXTENDED OUTRIGGERS
85% TIPPING

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	CAPACITY POUNDS
90	17	81.5	96.8	217,400*
	18	80.8	96.7	212,900*
	19	80.2	96.5	208,700*
	20	79.5	96.3	204,600*
	22	78.2	95.9	196,300*
	24	76.9	95.5	177,600*
	26	75.6	95.0	162,300*
	28	74.3	94.4	148,200*
	30	73.0	93.9	136,000*
	32	71.6	93.2	125,600*
	34	70.3	92.5	116,500*
	36	68.9	91.8	108,600*
	38	67.5	91.0	101,700*
	40	66.2	90.1	95,500*
	45	62.6	87.7	82,600*
	50	59.0	84.9	72,600*
	55	55.2	81.7	64,600*
	60	51.2	78.0	58,000*
100	65	47.0	73.6	52,500*
	70	42.5	68.6	47,800*
	75	37.5	62.6	43,500*
	80	31.9	55.4	38,300*
	85	25.3	46.3	33,100*
	90	16.3	33.1	28,300*
	19	81.2	106.6	185,200*
	20	80.6	106.5	181,900*
	22	79.4	106.1	175,700*
	24	78.2	105.7	169,900*
	26	77.1	105.3	159,000*
	28	75.9	104.8	145,700*
	30	74.7	104.3	134,900*
	32	73.5	103.7	125,600*
	34	72.3	103.1	116,800*
	36	71.1	102.4	108,900*
	38	69.9	101.7	101,900*
	40	68.7	101.0	95,700*
110	45	65.6	98.9	82,800*
	50	62.4	96.4	72,700*
	55	59.1	93.6	64,700*
	60	55.7	90.4	58,000*
	65	52.1	86.8	52,500*
	70	48.4	82.6	47,800*
	75	44.5	77.9	43,800*
	80	40.2	72.4	40,300*
	85	35.5	65.9	36,900*
	90	30.3	58.2	32,700*
	95	24.0	48.4	28,400*
	100	15.5	34.5	24,700*
	20	81.4	116.6	173,900*
	22	80.4	116.3	168,000*
	24	79.3	115.9	162,500*
	26	78.2	115.5	155,500*
	28	77.3	115.1	143,100*
	30	76.1	114.6	132,100*
	32	75.1	114.1	122,900*
	34	74.0	113.5	114,900*
120	36	72.9	112.9	107,900*
	38	71.8	112.3	101,500*
	40	70.7	111.6	95,200*
	45	67.9	109.7	82,300*
	50	65.1	107.6	72,200*
	55	62.2	105.1	64,100*
	60	59.2	102.3	57,400*
	65	56.1	99.1	51,900*
	70	52.9	95.5	47,200*
	75	49.5	91.5	43,200*
	80	46.0	87.0	39,700*
	85	42.3	81.8	36,600*
	90	38.3	75.9	33,900*
	95	33.8	69.1	31,000*
	100	28.8	60.8	27,500*
	105	22.8	50.5	23,900*

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	CAPACITY POUNDS
120	22	81.2	126.4	161,700*
	24	80.2	126.1	156,400*
	26	79.3	125.7	151,400*
	28	78.3	125.3	140,700*
	30	77.3	124.9	129,800*
	32	76.3	124.4	120,200*
	34	75.3	123.9	112,400*
	36	74.3	123.4	105,500*
	38	73.4	122.8	99,400*
	40	72.4	122.2	93,900*
	45	69.8	120.5	81,800*
	50	67.3	118.5	71,700*
	55	64.7	116.3	63,600*
	60	62.0	113.7	56,900*
	65	59.2	110.9	51,400*
	70	56.4	107.8	46,700*
	75	53.5	104.3	42,600*
	80	50.5	100.4	39,100*
130	85	47.3	96.0	36,100*
	90	44.0	91.1	33,400*
	95	40.4	85.6	31,000*
	100	36.6	79.3	28,800*
	105	32.4	72.0	26,200*
	110	27.6	63.3	23,400*
	115	21.9	52.5	20,300*
	24	81.0	136.2	148,800*
	26	80.1	135.9	144,100*
	28	79.2	135.5	137,800*
	30	78.3	135.1	127,600*
	32	77.4	134.7	118,000*
	34	76.5	134.2	110,200*
	36	75.6	133.7	103,400*
	38	74.7	133.2	97,400*
	40	73.8	132.6	92,000*
	45	71.4	131.1	80,800*
	50	69.1	129.3	71,200*
140	55	66.7	127.2	63,000*
	60	64.3	125.0	56,300*
	65	61.8	122.4	50,800*
	70	59.3	119.6	46,000*
	75	56.7	116.5	42,000*
	80	54.0	113.0	38,500*
	85	51.2	109.2	35,400*
	90	48.4	105.0	32,700*
	95	45.3	100.3	30,300*
	100	42.2	95.1	28,100*
	105	38.8	89.2	26,200*
	110	35.1	82.5	24,400*
	115	31.0	74.9	22,100*
	120	26.5	65.8	19,700*
	125	21.0	54.4	17,000*
	26	80.8	146.0	127,400*
	28	80.0	145.7	124,200*
	30	79.1	145.3	121,100*
150	32	78.3	144.9	116,900*
	34	77.5	144.5	108,900*
	36	76.6	144.0	102,100*
	38	75.8	143.5	96,100*
	40	74.9	143.0	90,800*
	45	72.8	141.6	79,700*
	50	70.7	139.9	70,800*
	55	68.5	138.0	63,100*
	60	66.3	136.0	56,400*
	65	64.0	133.6	50,800*
	70	61.7	131.1	46,000*
	75	59.3	128.3	41,900*
	80	56.9	125.1	38,400*
	85	54.5	121.7	35,300*
	90	51.9	118.0	32,600*
	95	49.3	113.9	30,200*
	100	46.5	109.4	28,000*
	105	43.6	104.4	26,000*

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	CAPACITY POUNDS
140	110	40.6	98.8	24,300*
	115	37.3	92.6	22,700*
	120	33.8	85.6	21,200*
	125	29.9	77.6	19,100*
	130	25.5	68.1	17,000*
	135	20.2	56.2	14,700*
	26	81.4	156.1	121,100*
	28	80.6	155.8	118,100*
	30	79.9	155.5	115,100*
	32	79.1	155.1	112,300*
	34	78.3	154.7	106,800*
	36	77.5	154.3	100,100*
	38	76.8	153.8	94,200*
	40	76.0	153.3	88,900*
	45	74.0	152.0	77,900*
	50	72.0	150.5	69,200*
	55	70.0	148.7	62,200*
	60	67.9	146.8	55,800*
150	65	65.8	144.7	50,200*
	70	63.7	142.3	45,400*
	75	61.6	139.7	41,300*
	80	59.4	136.9	37,800*
	85	57.1	133.8	34,700*
	90	54.8	130.4	32,000*
	95	52.5	126.8	29,600*
	100	50.0	122.8	27,400*
	105	47.5	118.4	25,400*
	110	44.8	113.6	23,700*
	115	42.1	108.3	22,100*
	120	39.1	102.5	20,600*
	125	36.0	95.9	19,300*
	130	32.6	88.6	17,900*
	135	28.9	80.2	16,100*
	140	24.6	70.3	14,200*
	145	19.5	57.9	12,200*
160	28	81.2	165.9	112,100*
	30	80.5	165.6	109,300*
	32	79.8	165.3	106,700*
	34	79.1	164.9	104,100*
	36	78.3	164.5	98,200*
	38	77.6	164.1	92,300*
	40	76.9	163.6	87,100*
	45	75.0	162.4	76,300*
	50	73.2	160.9	67,700*
	55	71.3	159.3	60,800*
	60	69.4	157.6	55,000*
	65	67.4	155.6	49,600*
	70	65.5	153.4	44,900*
	75	63.5	151.0	40,800*
	80	61.5	148.4	37,300*
	85	59.4	145.6	34,200*
	90	57.3	142.5	31,500*
	95	55.2	139.2	29,000*
170	100	53.0	135.5	26,900*
	105	50.7	131.6	24,900*
	110	48.3	127.3	23,100*
	115	45.9	122.7	21,500*
	120	43.3	117.6	20,100*
	125	40.7	112.1	18,700*
	130	37.8	105.9	17,500*
	135	34.8	99.1	16,400*
	140	31.5	91.5	15,100*
	145	27.9	82.7	13,500*
	150	23.8	72.4	11,800*
	155	18.9	59.6	10,000*

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MEETS
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3900T SERIES 2

BOOM NO. 9A WITH OPEN THROAT TOP

74,000 LB. CRANE COUNTERWEIGHT

10,500 LB. FRONT BUMPER COUNTERWEIGHT

RATING OVER REAR SECTOR ON EXTENDED OUTRIGGERS

85% TIPPING

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	CAPACITY POUNDS
170	30	81.1	175.8	102,100*
	32	80.4	175.4	99,700*
	34	79.7	175.1	97,300*
	36	79.0	174.7	95,000*
	38	78.3	174.3	91,100*
	40	77.6	173.9	85,900*
	45	75.9	172.7	75,000*
	50	74.2	171.4	66,500*
	55	72.4	169.9	59,600*
	60	70.6	168.2	53,800*
	65	68.8	166.3	49,000*
	70	67.0	164.3	44,400*
	75	65.2	162.1	40,300*
	80	63.3	159.7	36,700*
	85	61.4	157.1	33,600*
	90	59.5	154.2	30,900*
	95	57.5	151.2	28,400*
	100	55.5	147.9	26,300*
	105	53.4	144.3	24,300*
	110	51.3	140.4	22,500*
180	115	49.1	136.2	20,900*
	120	46.8	131.7	19,400*
	125	44.4	126.8	18,100*
	130	42.0	121.5	16,800*
	135	39.4	115.7	15,700*
	140	36.7	109.3	14,600*
	145	33.7	102.2	13,700*
	150	30.6	94.3	12,500*
	155	27.1	85.2	11,100*
	160	23.1	74.5	9,600*
	165	18.3	61.3	7,900*
	32	80.9	185.6	91,500*
	34	80.3	185.2	89,700*
	36	79.6	184.9	87,900*
	38	79.0	184.5	86,100*
	40	78.3	184.1	84,500*
	45	76.7	183.0	73,800*
	50	75.1	181.7	65,400*
	55	73.4	180.3	58,500*
	60	71.7	178.8	52,900*
	65	70.1	177.0	48,100*
190	70	68.4	175.1	44,000*
	75	66.6	173.1	40,000*
	80	64.9	170.8	36,500*
	85	63.1	168.4	33,400*
	90	61.3	165.7	30,600*
	95	59.5	162.9	28,200*
	100	57.6	159.8	26,000*
	105	55.7	156.6	24,000*
	110	53.8	153.0	22,300*
	115	51.8	149.2	20,700*
	120	49.7	145.1	19,200*
	125	47.6	140.7	17,800*
	130	45.4	136.0	16,600*
	135	43.1	130.9	15,400*
	140	40.7	125.3	14,400*
	145	38.2	119.2	13,400*
	150	35.6	112.6	12,500*
	155	32.8	105.2	11,600*
	160	29.7	97.0	10,500*
	165	26.3	87.6	9,200*
200	170	22.4	76.5	7,900*
	175	17.8	62.9	6,400*
	32	81.4	195.7	85,900*
	34	80.8	195.4	84,200*
	36	80.2	195.0	82,500*
	38	79.6	194.7	80,800*
	40	79.0	194.3	79,200*
	45	77.4	193.3	72,300*
	50	75.9	192.1	64,000*
	55	74.3	190.7	57,200*
	60	72.7	189.3	51,600*

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	CAPACITY POUNDS
190	65	71.2	187.6	46,900*
	70	69.6	185.8	42,900*
	75	67.9	183.9	39,400*
	80	66.3	181.8	35,900*
	85	64.6	179.5	32,800*
	90	63.0	177.0	30,000*
	95	61.3	174.4	27,600*
	100	59.5	171.6	25,400*
	105	57.8	168.5	23,400*
	110	56.0	165.2	21,700*
	115	54.1	161.7	20,000*
	120	52.2	158.0	18,600*
	125	50.3	154.0	17,200*
	130	48.3	149.7	16,000*
	135	46.3	145.1	14,800*
	140	44.1	140.1	13,800*
	145	41.9	134.7	12,800*
	150	39.5	129.0	11,900*
	155	37.2	122.6	11,000*
	160	34.6	115.7	10,200*
200	165	31.9	108.1	9,500*
	170	28.9	99.6	8,400*
	175	25.6	89.9	7,200*
	180	21.8	78.5	6,000*
	185	17.3	64.4	4,700*
	34	81.3	205.5	77,300*
	36	80.7	205.2	75,800*
	38	80.1	204.8	74,400*
	40	79.5	204.5	72,900*
	45	78.1	203.5	69,300*
	50	76.6	202.4	63,200*
	55	75.1	201.1	56,400*
	60	73.6	199.7	50,800*
	65	72.1	198.2	46,000*
	70	70.6	196.5	42,000*
	75	69.1	194.6	38,500*
	80	67.6	192.7	35,500*
	85	66.0	190.5	32,400*
	90	64.4	188.2	29,600*
	95	62.8	185.7	27,200*
210	100	61.2	183.1	25,000*
	105	59.5	180.2	23,000*
	110	57.9	177.2	21,200*
	115	56.2	173.9	19,600*
	120	54.4	170.5	18,100*
	125	52.6	166.8	16,700*
	130	50.8	162.8	15,500*
	135	48.9	158.6	14,300*
	140	47.0	154.1	13,300*
	145	45.0	149.3	12,300*
	150	43.0	144.1	11,300*
	155	40.8	138.5	10,500*
	160	38.6	132.5	9,700*
	165	36.2	126.0	8,900*
	170	33.7	118.8	8,200*
	175	31.0	110.9	7,500*
	180	28.1	102.1	6,500*
	185	24.9	92.1	5,500*
	190	21.3	80.4	4,400*
	195	16.9	65.9	3,200*
220	36	81.1	215.3	70,900*
	38	80.6	215.0	69,500*
	40	80.0	214.6	68,100*
	45	78.6	213.7	64,800*
	50	77.2	212.6	61,500*
	55	75.8	211.4	55,100*
	60	74.4	210.1	49,500*
	65	73.0	208.6	44,800*
	70	71.6	207.0	40,900*
	75	70.1	205.3	37,400*
	80	68.7	203.4	34,400*
	85	67.2	201.4	31,700*

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	CAPACITY POUNDS
210	90	65.7	199.2	29,000*
	95	64.2	196.9	26,500*
	100	62.7	194.4	24,300*
	105	61.1	191.7	22,300*
	110	59.6	188.9	20,500*
	115	58.0	185.8	18,900*
	120	56.3	182.6	17,400*
	125	54.7	179.2	16,100*
	130	53.0	175.5	14,800*
	135	51.3	171.6	13,700*
	140	49.5	167.5	12,600*
	145	47.7	163.1	11,600*
	150	45.8	158.4	10,700*
	155	43.9	153.4	9,800*
	160	41.9	148.0	9,000*
	165	39.8	142.2	8,300*
	170	37.6	136.0	7,600*
	175	35.3	129.2	6,900*
	180	32.9	121.8	6,300*
	185	30.3	113.7	5,600*
220	190	27.4	104.6	4,700*
	195	24.3	94.3	3,700*
	38	81.0	225.1	60,500*
	40	80.5	224.8	60,000*
	45	79.2	223.9	58,900*
	50	77.8	222.9	56,900*
	55	76.5	221.7	54,200*
	60	75.2	220.5	48,700*
	65	73.8	219.1	44,000*
	70	72.4	217.6	40,100*
	75	71.1	215.9	36,700*
	80	69.7	214.1	33,700*
	85	68.3	212.2	31,000*
	90	66.9	210.1	28,700*
	95	65.5	207.9	26,200*
	100	64.0	205.6	24,000*
	105	62.6	203.1	22,000*
	110	61.1	200.4	20,300*
	115	59.6	197.5	18,600*
	120	58.1	194.5	17,100*
	125	56.5	191.3	15,800*
	130	54.9	187.9	14,500*
230	135	53.3	184.3	13,400*
	140	51.7	180.4	12,300*
	145	50.0	176.4	11,300*
	150	48.3	172.1	10,400*
	155	46.5	167.5	9,500*
	160	44.7	162.6	8,700*
	165	42.8	157.3	8,000*
	170	40.9	151.8	7,300*
	175	38.8	145.8	6,600*
	180	36.7	139.3	6,000*
	185	34.5	132.3	5,400*
	190	32.1	124.7	4,800*
	195	29.6	116.3	4,200*
	200	26.8	107.0	3,300*