

MANITOWOC ENGINEERING CO.

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



LIFT CRANE CAPACITIES

BOOM NO. 66-64A OR NO. 66T-64AT
260,000 LB. COUNTERWEIGHT

MEETS
ANSI B30.5
REQUIREMENTS

6000 SERIES 2

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 LIFT CRANE SERVICE WITH SINGLE PART WHIP LINE OR COMBINATION OF TWO SINGLE PART LINES IS 48,000 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 SURFACE WITH GANTRY UP. CAPACITY OVER END BLOCKED COLUMN (LIMITED SWING) REQUIRES FRONT OR REAR TUMBLER TO BE PROPERLY BLOCKED (NO TRAVEL) SO THAT THE CENTERLINE OF THE IDLER OR DRIVE TUMBLER BECOMES THE TIPPING FULCRUM. REFER TO RIGGING NO. 162090 OR NO. 166919, WIRE ROPE SPECIFICATION CHART NO. 7435-A AND OPERATING RANGE DIAGRAM CHART NO. 7436-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 39'9" CRAWLERS, 83" TREADS, 54' RETRACTABLE GANTRY, 14 PART BOOM HOIST REEVING, FOUR 1-3/4" BOOM PENDANTS AND 260,000 LB. COUNTERWEIGHT.

MAXIMUM BOOM AND JIB LENGTHS LIFTED UNASSISTED						DEDUCT FROM CAPACITIES WHEN JIB IS ATTACHED	
OVER FRONT OF BLOCKED CRAWLERS		OVER REAR OF BLOCKED CRAWLERS		OVER SIDE OF CRAWLERS			
BM. LGTH.	JIB NO. 127	BM. LGTH.	JIB NO. 127	BM. LGTH.	JIB NO. 127	JIB LGTH.	JIB NO. 127
375'	---	375'	---	350'	---	40'	9,000 LBS.
350'	60'	350'	40'	325'	---	60'	11,300 LBS.
325'	100'	325'	100'	300'	100'	80'	13,250 LBS.
						100'	15,850 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 360° POUNDS	CAPACITY OVER END BLOCKED POUNDS	BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	CAPACITY 360° POUNDS	CAPACITY OVER END BLOCKED POUNDS
22	81.8	110.2	800,000*	800,000*	26	81.6	134.9	752,500*	752,500*		
24	80.7	109.9	799,100*	799,100*	28	80.7	134.6	732,800*	732,800*		
26	79.5	109.5	780,300*	780,300*	30	79.8	134.2	714,300*	714,300*		
28	78.3	109.1	762,500*	762,500*	32	78.8	133.8	696,800*	696,800*		
30	77.2	108.6	745,500*	745,500*	34	77.9	133.4	680,400*	680,400*		
32	76.0	108.1	729,400*	729,400*	36	77.0	132.9	629,200	635,400*		
34	74.8	107.6	684,900*	684,900*	38	76.0	132.4	576,100	595,700*		
36	73.6	107.0	630,800*	639,800*	40	75.1	131.9	530,900	560,400*		
38	72.4	106.3	577,800*	600,000*	45	72.7	130.3	443,200	487,500*		
40	71.2	105.6	532,800*	564,700*	50	70.2	128.6	379,600	429,800*		
45	68.1	103.7	445,300*	491,800*	55	67.8	126.6	331,200	382,200*		
50	65.0	101.5	381,800*	435,000*	60	65.3	124.4	293,300	343,600*		
55	61.8	98.9	333,600*	389,100*	65	62.7	121.9	262,700	311,700*		
60	58.4	95.9	295,700*	350,600*	70	60.1	119.1	237,600	285,000*		
65	55.0	92.5	265,200*	318,800*	75	57.4	116.0	216,500	262,200*		
70	51.3	88.7	240,100*	292,200*	80	54.6	112.5	198,600	242,600*		
75	47.5	84.3	219,100*	269,500*	85	51.7	108.7	183,200	225,500*		
80	43.5	79.2	201,200*	248,100*	90	48.7	104.4	169,800	209,100*		
85	39.0	73.4	185,800*	226,400*	95	45.5	99.7	158,000	194,300*		
90	34.2	66.5	172,400*	203,800*	100	42.2	94.4	147,600	181,300*		
95	28.5	58.0	160,700*	182,900*	105	38.6	88.4	138,400	169,800*		
100	21.5	46.9	150,300*	162,400*	110	34.7	81.5	130,100	159,500*		
					115	30.4	73.5	122,600	149,600*		
					120	25.4	63.8	115,800	135,800*		
					125	19.2	51.2	109,600	121,800*		

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6000 SERIES 2

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	CAPACITY 360° POUNDS	CAPACITY OVER END BLOCKED POUNDS	BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	CAPACITY 360° POUNDS	CAPACITY OVER END BLOCKED POUNDS
150	30	81.5	159.6	652,100*	652,100*	200	85	67.3	195.4	175,700	212,300*
	32	80.7	159.2	636,100*	636,100*		90	65.7	193.2	162,200	197,100*
	34	79.9	158.9	621,000*	621,000*		95	64.1	190.8	150,400	183,500*
	36	79.2	158.5	606,700*	606,700*		100	62.5	188.2	140,000	171,500*
	38	78.4	158.1	574,500	592,200*		105	60.9	185.5	130,700	160,700*
	40	77.6	157.6	529,300	556,900*		110	59.2	182.6	122,300	151,000*
	45	75.6	156.4	441,500	484,100*		115	57.5	179.4	114,800	142,200*
	50	73.7	155.0	377,700	426,700*		120	55.8	176.1	108,000	134,100*
	55	71.6	153.4	329,300	378,800*		125	54.0	172.5	101,800	126,800*
	60	69.6	151.6	291,300	339,900*		130	52.2	168.7	96,100	119,800
	65	67.6	149.5	260,700	307,900*		135	50.4	164.7	90,900	113,500
	70	65.5	147.3	235,500	280,900*		140	48.5	160.3	86,100	107,600
	75	63.3	144.9	214,400	258,000*		145	46.6	155.7	81,700	102,200
	80	61.2	142.2	196,400	238,200*		150	44.5	150.7	77,600	97,200
	85	59.0	139.2	181,000	221,000*		155	42.4	145.4	73,800	92,600
	90	56.7	136.0	167,600	205,900*		160	40.3	139.6	70,200	88,300
	95	54.4	132.5	155,800	192,300		165	38.0	133.4	66,900	84,300
100	52.0	128.7	145,400	179,200	170	35.5	126.6	63,800	80,600		
105	49.5	124.6	136,100	167,700	175	33.0	119.2	60,900	77,000		
110	46.9	120.0	127,800	157,400	180	30.2	110.9	58,100	73,700		
115	44.2	115.0	120,300	148,100	185	27.2	101.6	55,500	70,600		
120	41.3	109.5	113,600	139,700	190	23.8	91.0	53,100	66,800*		
125	38.3	103.4	107,400	132,100	195	19.9	78.3	50,800	60,900*		
130	35.1	96.6	101,700	125,200	200	15.0	62.0	48,600	54,700*		
135	31.6	88.8	96,500	118,900	250	40	81.8	233.9	502,000*	502,000*	
140	27.6	79.8	91,800	113,000		45	80.5	233.1	435,700	472,600*	
145	23.1	69.0	87,300	104,200*		50	79.2	232.2	371,600	415,800*	
150	17.4	55.1	83,200	94,000*		55	77.9	231.1	322,900	369,400*	
175	34	81.4	184.2	593,300*		593,300*	60	76.6	230.0	284,700	330,000*
	36	80.7	183.9	578,800*		578,800*	65	75.3	228.7	253,900	297,500*
	38	80.1	183.6	565,000*		565,000*	70	73.9	227.3	228,500	270,300*
	40	79.4	183.2	527,000		551,900*	75	72.6	225.7	207,300	247,000*
	45	77.7	182.1	439,000		479,100*	80	71.3	224.1	189,300	227,000*
	50	76.0	180.9	375,000		422,300*	85	69.9	222.3	173,800	209,500*
	55	74.3	179.6	326,500		374,200*	90	68.6	220.4	160,300	194,200*
	60	72.6	178.0	288,400		335,200*	95	67.2	218.3	148,500	180,600*
	65	70.9	176.4	257,700		303,000*	100	65.8	216.1	138,000	168,500*
	70	69.2	174.5	232,400		275,900*	105	64.4	213.7	128,700	157,700*
	75	67.4	172.5	211,300		252,800*	110	63.0	211.2	120,300	147,900*
	80	65.6	170.2	193,300		233,000*	115	61.5	208.5	112,800	139,100*
	85	63.8	167.8	177,900		215,700*	120	60.0	205.7	106,000	131,000*
	90	61.9	165.2	164,400	200,500*	125	58.6	202.7	99,800	123,600*	
	95	60.1	162.4	152,600	187,000*	130	57.0	199.5	94,100	116,800*	
	100	58.1	159.4	142,200	175,100*	135	55.5	196.1	88,900	110,600*	
	105	56.2	156.1	132,900	164,300*	140	53.9	192.5	84,100	104,900*	
110	54.2	152.5	124,600	154,300	145	52.3	188.7	79,600	99,500*		
115	52.1	148.7	117,100	145,000	150	50.7	184.7	75,500	94,600*		
120	50.0	144.6	110,300	136,600	155	49.0	180.5	71,700	90,000*		
125	47.8	140.2	104,100	129,000	160	47.3	175.9	68,100	85,700*		
130	45.6	135.4	98,400	122,000	165	45.6	171.1	64,800	81,700*		
135	43.2	130.2	93,200	115,700	170	43.7	166.0	61,700	78,000*		
140	40.7	124.6	88,400	109,800	175	41.8	160.5	58,800	74,400*		
145	38.1	118.4	84,000	104,400	180	39.9	154.7	56,000	71,100*		
150	35.4	111.6	79,900	99,500	185	37.8	148.4	53,400	68,000*		
155	32.4	104.0	76,100	94,900	190	35.7	141.6	51,000	65,100*		
160	29.1	95.5	72,500	90,600	195	33.4	134.3	48,700	62,400*		
165	25.5	85.6	69,200	86,500	200	31.0	126.2	46,500	59,800*		
170	21.3	73.8	66,100	79,300*	205	28.4	117.4	44,400	57,400*		
175	16.1	58.7	63,200	71,400*	210	25.6	107.4	42,500	55,100*		
200	36	81.9	209.2	552,700*	552,700*	215	22.4	96.0	40,600	51,100*	
	38	81.3	208.9	539,200*	539,200*	220	18.7	82.4	38,800	46,400*	
	40	80.7	208.6	525,400	526,300*						
	45	79.3	207.7	437,200	475,700*						
	50	77.8	206.6	373,200	418,900*						
	55	76.3	205.5	324,600	371,500*						
	60	74.9	204.1	286,400	332,300*						
	65	73.4	202.7	255,700	300,000*						
70	71.9	201.1	230,400	272,800*							
75	70.4	199.3	209,200	249,600*							
80	68.8	197.4	191,200	229,700*							

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BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	CAPACITY 360° POUNDS	CAPACITY OVER END BLOCKED POUNDS	BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	CAPACITY 360° POUNDS	CAPACITY OVER END BLOCKED POUNDS	
275	45	81.4	258.4	434,300	450,600*	275	200	45.6	206.8	42,400	53,000*	
	50	80.3	257.6	370,100	413,000*		205	44.1	201.7	40,300	50,400*	
	55	79.1	256.7	321,300	367,400*		210	42.5	196.4	38,300	48,000*	
	60	77.9	255.6	283,100	328,100*		215	41.0	190.7	36,400	45,800*	
	65	76.8	254.5	252,200	295,500*		220	39.3	184.8	34,700	43,600*	
	70	75.6	253.2	226,800	268,000*		225	37.7	178.4	33,000	41,500*	
	75	74.4	251.9	205,600	244,700*		230	35.9	171.6	31,300	39,600*	
	80	73.2	250.4	187,500	224,600*		235	34.1	164.4	29,800	37,700*	
	85	72.0	248.8	172,000	207,100*		240	32.2	156.7	28,300	35,900*	
	90	70.8	247.1	158,500	191,700*		245	30.1	148.3	26,900	34,300*	
	95	69.6	245.2	146,600	178,100*		250	28.0	139.2	25,600	32,700*	
	100	68.3	243.3	136,200	165,900*		255	25.6	129.2	24,300	31,100*	
	105	67.1	241.2	126,800	155,000*		260	23.1	118.0	23,000	29,700*	
	110	65.8	239.0	118,500	145,200*		265	20.2	105.2	21,800	27,000*	
	115	64.6	236.6	110,900	136,300*		270	16.9	90.1	20,700	23,700*	
	120	63.3	234.2	104,100	128,200*		300	50	81.9	308.2	366,700	367,400*
	125	62.0	231.6	97,900	120,800*			55	81.0	307.5	317,800	355,100*
	130	60.7	228.8	92,200	114,000*			60	80.0	306.6	279,400	323,900*
	135	59.4	225.9	87,000	107,700*			65	79.0	305.7	248,500	291,200*
	140	58.0	222.8	82,200	102,000*			70	78.0	304.6	223,000	263,500*
	145	56.7	219.6	77,700	96,600*			75	77.1	303.5	201,700	239,900*
	150	55.3	216.1	73,600	91,600*			80	76.1	302.3	183,600	219,600*
	155	53.9	212.5	69,800	87,000*			85	75.1	301.0	168,000	201,900*
	160	52.4	208.7	66,200	82,700*			90	74.1	299.6	154,500	186,400*
	165	51.0	204.8	62,900	78,600*			95	73.1	298.1	142,600	172,700*
	170	49.5	200.5	59,800	74,900*			100	72.1	296.5	132,100	160,400*
	175	47.9	196.1	56,800	71,300*			105	71.1	294.8	122,700	149,500*
	180	46.4	191.4	54,100	68,000*			110	70.1	293.0	114,300	139,600*
185	44.7	186.5	51,500	64,800*	115	69.1		291.1	106,800	130,600*		
190	43.1	181.2	49,100	61,800*	120	68.0		289.1	99,900	122,400*		
195	41.4	175.6	46,800	59,000*	125	67.0		287.0	93,700	114,900*		
200	39.6	169.7	44,600	56,400*	130	65.9		284.8	88,000	108,100*		
205	37.7	163.4	42,500	53,900*	135	64.9		282.5	82,700	101,800*		
210	35.8	156.6	40,500	51,500*	140	63.8		280.1	77,900	96,000*		
215	33.8	149.4	38,700	49,300*	145	62.8		277.5	73,500	90,500*		
220	31.7	141.5	36,900	47,200*	150	61.7		274.9	69,300	85,500*		
225	29.4	132.9	35,200	45,200*	155	60.6		272.1	65,500	80,900*		
230	26.9	123.4	33,600	43,300*	160	59.5		269.2	61,900	76,500*		
235	24.2	112.9	32,000	41,500*	165	58.4		266.1	58,600	72,400*		
240	21.2	100.7	30,500	38,300*	170	57.2		263.0	55,500	68,600*		
245	17.8	86.4	29,100	34,300*	175	56.1		259.6	52,500	65,000*		
275	50	81.2	283.0	368,300	404,100*	180		54.9	256.2	49,800	61,600*	
	55	80.1	282.1	319,500	364,300*	185		53.7	252.5	47,200	58,400*	
	60	79.1	281.2	281,200	326,000*	190	52.5	248.8	44,700	55,400*		
	65	78.0	280.1	250,300	293,200*	195	51.3	244.8	42,400	52,500*		
	70	76.9	279.0	224,900	265,600*	200	50.1	240.7	40,200	49,800*		
	75	75.9	277.8	203,600	242,200*	205	48.8	236.4	38,200	47,300*		
	80	74.8	276.4	185,500	222,000*	210	47.5	231.8	36,200	44,900*		
	85	73.7	275.0	170,000	204,400*	215	46.2	227.1	34,300	42,600*		
	90	72.6	273.4	156,400	188,900*	220	44.9	222.2	32,500	40,400*		
	95	71.5	271.8	144,600	175,300*	225	43.5	217.0	30,800	38,300*		
	100	70.4	270.0	134,100	163,100*	230	42.1	211.5	29,200	36,300*		
	105	69.3	268.2	124,700	152,100*	235	40.6	205.8	27,700	34,400*		
	110	68.2	266.2	116,400	142,300*	240	39.1	199.8	26,200	32,600*		
	115	67.0	264.1	108,800	133,400*	245	37.6	193.4	24,800	30,800*		
	120	65.9	261.9	102,000	125,200*	250	36.0	186.7	23,400	29,200*		
	125	64.8	259.6	95,700	117,800*	255	34.3	179.5	22,100	27,600*		
	130	63.6	257.1	90,000	110,900*	260	32.6	171.9	20,900	26,100*		
	135	62.4	254.6	84,800	104,700*	265	30.8	163.7	19,700	24,700*		
	140	61.2	251.8	80,000	98,900*	270	28.8	154.8	18,500	23,300*		
	145	60.0	249.0	75,600	93,500*	275	26.7	145.2	17,400	22,000*		
	150	58.8	246.0	71,400	88,500*	280	24.5	134.7	16,300	20,800*		
	155	57.6	242.9	67,600	83,800*	285	22.1	122.9	15,300	19,600*		
	160	56.3	239.6	64,000	79,500*	290	19.3	109.5		17,300*		
	165	55.1	236.1	60,700	75,400*							
	170	53.8	232.5	57,600	71,600*							
	175	52.5	228.8	54,600	68,000*							
	180	51.2	224.8	51,900	64,700*							
	185	49.8	220.6	49,300	61,500*							
190	48.4	216.2	46,900	58,500*								
195	47.0	211.7	44,500	55,700*								

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BOOM NO. 66-64A OR NO. 66T-64AT
260,000 LB. COUNTERWEIGHT

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	CAPACITY 360° POUNDS	CAPACITY OVER END BLOCKED POUNDS	BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	CAPACITY 360° POUNDS	CAPACITY OVER END BLOCKED POUNDS	
350	55	81.7	332.8	315,900	318,100*	350	180	60.5	315.4	45,400	55,400*	
	60	80.8	332.0	277,500	308,000*		185	59.6	312.5	42,800	52,200*	
	65	79.9	331.1	246,500	289,100*		190	58.6	309.5	40,300	49,200*	
	70	79.0	330.2	221,000	261,300*		195	57.6	306.3	38,000	46,300*	
	75	78.1	329.1	199,700	237,600*		200	56.7	303.1	35,800	43,600*	
	80	77.2	328.0	181,500	217,100*		205	55.7	299.7	33,700	41,000*	
	85	76.3	326.8	165,900	199,400*		210	54.7	296.2	31,700	38,500*	
	90	75.3	325.5	152,400	183,800*		215	53.7	292.5	29,900	36,200*	
	95	74.4	324.1	140,500	170,000*		220	52.6	288.8	28,100	34,000*	
	100	73.5	322.7	129,900	157,700*		225	51.6	284.8	26,400	31,800*	
	105	72.6	321.1	120,600	146,700*		230	50.5	280.8	24,800	29,800*	
	110	71.7	319.5	112,200	136,700*		235	49.5	276.5	23,200	27,900*	
	115	70.7	317.8	104,600	127,700*		240	48.4	272.1	21,700	26,000*	
	120	69.8	316.0	97,700	119,500*		245	47.3	267.6	20,300	24,300*	
	125	68.9	314.0	91,500	112,000*		250	46.1	262.8	18,900	22,600*	
	130	67.9	312.0	85,800	105,100*		255	45.0	257.9	17,600	21,000*	
	135	66.9	309.9	80,500	98,800*		260	43.8	252.7	16,400	19,400*	
	140	66.0	307.7	75,700	92,900*		265	42.6	247.4	15,200	17,900*	
	145	65.0	305.4	71,200	87,500*		270	41.4	241.8	14,100	16,500*	
	150	64.0	303.0	67,100	82,400*		275	40.1	235.9	13,100	15,100*	
	155	63.0	300.5	63,300	77,700*		375	60	82.0	382.6	245,300*	245,300*
	160	62.1	297.9	59,700	73,400*			65	81.2	381.8	237,400*	237,400*
	165	61.0	295.1	56,300	69,300*			70	80.5	381.0	217,000	229,700*
	170	60.0	292.3	53,200	65,400*			75	79.7	380.1	195,600	222,200*
	175	59.0	289.3	50,300	61,800*			80	78.9	379.1	177,400	211,900*
	180	58.0	286.2	47,500	58,400*			85	78.1	378.1	161,800	194,000*
	185	56.9	283.0	44,900	55,200*			90	77.3	377.0	148,200	178,300*
	190	55.9	279.7	42,500	52,200*			95	76.6	375.8	136,300	164,400*
	195	54.8	276.2	40,200	49,300*			100	75.8	374.6	125,700	152,000*
	200	53.7	272.5	38,000	46,600*			105	75.0	373.3	116,300	140,900*
205	52.6	268.8	35,900	44,000*	110	74.2		371.9	107,900	130,900*		
210	51.5	264.8	33,900	41,600*	115	73.4		370.4	100,300	121,900*		
215	50.3	260.7	32,000	39,200*	120	72.6		368.8	93,400	113,600*		
220	49.2	256.5	30,200	37,000*	125	71.8		367.2	87,200	106,100*		
225	48.0	252.0	28,500	34,900*	130	71.0		365.5	81,400	99,100*		
230	46.8	247.4	26,900	32,900*	135	70.2		363.7	76,200	92,800*		
235	45.6	242.5	25,400	31,000*	140	69.3	361.9	71,300	86,900*			
240	44.3	237.5	23,900	29,200*	145	68.5	359.9	66,900	81,400*			
245	43.0	232.2	22,500	27,400*	150	67.7	357.9	62,700	76,300*			
250	41.7	226.7	21,100	25,800*	155	66.9	355.8	58,900	71,600*			
255	40.4	220.9	19,800	24,200*	160	66.0	353.6	55,300	67,200*			
260	39.0	214.8	18,600	22,600*	165	65.2	351.3	51,900	63,100*			
265	37.5	208.4	17,400	21,200*	170	64.4	348.9	48,800	59,200*			
270	36.1	201.7	16,200	19,700*	175	63.5	346.4	45,800	55,600*			
275	34.5	194.5	15,100	18,400*	180	62.6	343.9	43,100	52,200*			
280	32.9	187.0		17,100*	185	61.8	341.2	40,500	48,900*			
285	31.3	178.9		15,900*	190	60.9	338.5	38,000	45,900*			
353	60	81.4	357.3	275,300*	275,300*	195	60.0	335.6	35,700	43,000*		
	65	80.6	356.5	244,600	266,700*	200	59.1	332.6	33,500	40,300*		
	70	79.8	355.6	219,100	258,200*	205	58.2	329.6	31,400	37,700*		
	75	78.9	354.7	197,700	235,600*	210	57.3	326.4	29,400	35,200*		
	80	78.1	353.6	179,600	215,000*	215	56.4	323.1	27,500	32,900*		
	85	77.3	352.5	163,900	197,200*	220	55.5	319.7	25,800	30,600*		
	90	76.4	351.3	150,400	181,500*	225	54.6	316.2	24,100	28,500*		
	95	75.6	350.0	138,400	167,600*	230	53.6	312.5	22,400	26,500*		
	100	74.7	348.7	127,900	155,200*	235	52.7	308.8	20,900	24,600*		
	105	73.9	347.3	118,500	144,100*	240	51.7	304.9	19,400	22,700*		
	110	73.0	345.8	110,100	134,100*	245	50.7	300.8	18,000	20,900*		
	115	72.2	344.2	102,500	125,100*	250	49.7	296.6	16,600	19,200*		
	120	71.3	342.5	95,700	116,800*	255	48.7	292.3	15,300	17,600*		
	125	70.4	340.7	89,400	109,300*	260	47.7	287.8		16,100*		
	130	69.6	338.9	83,700	102,300*							
	135	68.7	337.0	78,400	96,000*							
140	67.8	335.0	73,600	90,100*								
145	66.9	332.8	69,100	84,600*								
150	66.0	330.6	65,000	79,600*								
155	65.1	328.4	61,100	74,900*								
160	64.2	326.0	57,600	70,500*								
165	63.3	323.5	54,200	66,300*								
170	62.4	320.9	51,100	62,500*								
175	61.4	318.2	48,100	58,800*								