

Liftcrane Boom Capacities

M-1200

Boom No. 75A
Mast No. 75 or No. 75A
60 ft RINGER Attachment on Screw Jack Pedestals
52,000 lb Crane Counterweight
1,049,600 lb Auxiliary Counterweight
RINGER on Barge - 360 Degree Rating
0 Degree thru 1 Degree Static Machine List

LIFTING CAPACITIES: Lifting capacities are for a RINGER when operating on a barge. Machine shall be positively secured to prevent shifting. Lifting 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 6 part line is 180,000 lb. In all cases, upper boom point capacities cannot exceed those listed for main boom capacity. Upper boom point minimum operating radii will be restricted with boom at maximum angle.

Weight of all load blocks, hooks, slings, hoist lines, etc., beneath boom 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.

OPERATING CONDITIONS: Machine to operate on a firm uniformly supporting surface with roller path properly supported and machine list and trim not to exceed degrees noted with exception of 0 degree machine list which must not exceed 1 1/4 in. in 60 ft. Refer to Boom Rigging **No. 173398 or No. 177315** and Wire Rope Specification chart **No. 7683-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.

WIND CONDITIONS: Machine may be operated in winds up to 30 mph provided crane operator judgment is used to allow for wind effect on lifted load and other considerations noted on capacity chart are followed. Wind will have a considerable effect on a load with a large "sail area" and must be compensated for accordingly by reducing load ratings, reducing operating speeds or by a combination of both. Recommend stopping operation and lowering boom to approximately 75 degree boom angle when wind exceeds 30 mph. Lower boom to barge deck when wind is above 50 mph.

OPERATING RADIUS: Operating radius 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 radius. In all cases, operating radius shall govern capacity.

BOOM POINT ELEVATION: Boom point elevation is vertical distance from barge deck to centerline of boom point shaft.

MACHINE EQUIPMENT: Machine equipped with 60 ft RINGER attachment, 30 ft 9 in. crawlers, 48 in. treads, 28 ft retractable gantry, 150 ft No. 75 mast with 20 part or 32 part boom hoist reeving or No. 75A mast with 32 part boom hoist reeving, strap boom pendants, 52,000 lb crane counterweight and 1,049,600 lb auxiliary counterweight.

Maximum Boom Lengths Lifted Unassisted		
List	Trim	Boom Length
0 Degree	0 Degree	400 ft
1/2 Degree	1/2 Degree	250 ft
1/2 Degree	1-1/2 Degree	250 ft
1 Degree	1 Degree	225 ft
Load blocks on barge deck at start.		

Deduct 5,400 lb from capacities when upper boom point is attached.

Jib and all jib hardware must be removed for use of this chart.

Warning: Check amount of auxiliary counterweight on machine before use of this chart.

Oper. Radius Feet	Boom Angle Deg.	Boom Point Elev. Feet	0 Degree List Boom Capacity Pounds	1/2 Degree List 1/2 Degree Trim Boom Capacity Pounds	1/2 Degree List 1-1/2 Degree Trim Boom Capacity Pounds	1 Degree List 1 Degree Trim Boom Capacity Pounds	Oper. Radius Feet
150.0 ft Boom							
55	80.7	159.0	1,800,000 *	1,559,400 *		1,295,100 *	55
60	78.7	158.0	1,764,000 *	1,427,100 *	1,427,100 *	1,183,500 *	60
65	76.8	156.9	1,531,200	1,315,200 *	1,315,200 *	1,089,100 *	65
70	74.8	155.5	1,343,000	1,219,200 *	1,218,500	1,008,200 *	70
75	72.8	154.0	1,194,400	1,136,000 *	1,094,700	938,100 *	75
80	70.8	152.2	1,073,900	1,052,000	992,800	876,700 *	80
85	68.7	150.3	974,400	957,100	907,300	822,500 *	85
90	66.6	148.1	890,800	877,000	834,600	774,300 *	90
95	64.5	145.7	819,500	808,500	772,000	731,200 *	95
100	62.4	143.1	758,000	749,200	717,500	692,400 *	100
105	60.2	140.3	704,500	697,400	669,700	657,300 *	105
110	57.9	137.1	657,400	651,800	627,400	625,300 *	110
115	55.6	133.7	615,700	611,300	589,700	596,200 *	115
120	53.2	130.0	578,500	575,000	555,800	565,300	120
125	50.8	126.0	545,100	542,400	525,400	533,800	125
130	48.2	121.5	514,900	513,000	497,700	505,300	130
135	45.6	116.7	487,600	486,200	472,600	479,300	135
140	42.8	111.4	462,600	461,800	449,600	455,600	140
145	39.8	105.5	439,800	439,400	428,500	433,900	145
150	36.7	98.9	418,800	418,800	409,000	413,900	150
155	33.2	91.4	399,500	399,500	391,100	395,400	155
160	29.5	82.9	381,600	381,600	374,500	378,400	160

Oper. Radius Feet	Boom Angle Deg.	Boom Point Elev. Feet	0 Degree List Boom Capacity Pounds	1/2 Degree List 1/2 Degree Trim Boom Capacity Pounds	1/2 Degree List 1-1/2 Degree Trim Boom Capacity Pounds	1 Degree List 1 Degree Trim Boom Capacity Pounds	Oper. Radius Feet
175.0 ft Boom							
55	82.0	184.4	1,587,800 *				55
60	80.4	183.5	1,587,800 *	1,425,500 *	1,425,500 *		60
65	78.7	182.5	1,527,000	1,313,500 *	1,313,500 *	1,086,600 *	65
70	77.0	181.4	1,338,800	1,217,500 *	1,199,500	1,005,700 *	70
75	75.3	180.1	1,190,200	1,134,300 *	1,078,600	935,500 *	75
80	73.6	178.6	1,069,700	1,046,300	978,700	874,100 *	80
85	71.9	177.0	970,200	951,700	894,800	819,900 *	85
90	70.2	175.2	886,600	871,900	823,300	771,700 *	90
95	68.4	173.2	815,300	803,600	761,600	728,600 *	95
100	66.6	171.0	753,800	744,500	707,900	689,800 *	100
105	64.8	168.7	700,300	692,800	660,600	654,700 *	105
110	63.0	166.1	653,200	647,200	618,800	622,700 *	110
115	61.1	163.4	611,500	606,800	581,500	593,500 *	115
120	59.2	160.4	574,300	570,600	548,000	559,100	120
125	57.2	157.2	540,900	538,000	517,800	527,800	125
130	55.3	153.7	510,700	508,600	490,300	499,300	130
135	53.2	150.0	483,400	481,800	465,300	473,500	135
140	51.1	146.0	458,500	457,400	442,500	449,900	140
145	49.0	141.7	435,700	435,000	421,500	428,200	145
150	46.7	137.0	414,700	414,400	402,100	408,200	150
155	44.4	132.0	395,400	395,400	384,200	389,800	155
160	42.0	126.5	377,500	377,500	367,600	372,700	160
165	39.4	120.5	361,000	361,000	352,200	356,800	165
170	36.7	113.9	345,600	345,600	337,800	342,000	170
175	33.8	106.6	331,200	331,200	324,400	328,200	175
180	30.6	98.4	317,700	317,700	311,900	315,300	180
185	27.2	89.0	305,100	305,100	300,100	303,200	185

Oper. Radius Feet	Boom Angle Deg.	Boom Point Elev. Feet	0 Degree List Boom Capacity Pounds	1/2 Degree List 1/2 Degree Trim Boom Capacity Pounds	1/2 Degree List 1-1/2 Degree Trim Boom Capacity Pounds	1 Degree List 1 Degree Trim Boom Capacity Pounds	Oper. Radius Feet
200.0 ft Boom							
60	81.6	208.9	1,444,700 *				60
65	80.1	208.0	1,435,100 *	1,274,200 *	1,274,200 *		65
70	78.7	207.0	1,334,200	1,215,000 *	1,176,900		70
75	77.2	205.9	1,185,500	1,131,900 *	1,059,300	931,800 *	75
80	75.7	204.6	1,065,100	1,037,000	961,800	870,500 *	80
85	74.2	203.2	965,500	943,300	879,800	816,400 *	85
90	72.7	201.6	881,900	864,200	809,800	768,300 *	90
95	71.2	199.9	810,600	796,400	749,300	725,300 *	95
100	69.7	198.1	749,100	737,700	696,600	686,500 *	100
105	68.1	196.1	695,500	686,400	650,100	651,500 *	105
110	66.6	193.9	648,500	641,100	609,000	619,600 *	110
115	65.0	191.6	606,800	600,900	572,200	586,300	115
120	63.4	189.1	569,500	564,900	539,200	551,800	120
125	61.8	186.4	536,200	532,500	509,400	520,800	125
130	60.1	183.6	506,000	503,200	482,300	492,600	130
135	58.5	180.5	478,700	476,600	457,700	467,000	135
140	56.7	177.2	453,700	452,300	435,100	443,600	140
145	55.0	173.7	430,900	430,100	414,300	422,100	145
150	53.2	170.0	410,000	409,600	395,100	402,300	150
155	51.4	166.0	390,700	390,600	377,400	384,000	155
160	49.5	161.8	372,800	372,800	361,000	367,000	160
165	47.6	157.3	356,300	356,300	345,700	351,200	165
170	45.6	152.4	340,900	340,900	331,400	336,500	170
175	43.5	147.2	326,500	326,500	318,100	322,800	175
180	41.3	141.6	313,100	313,100	305,600	309,900	180
185	39.1	135.5	300,500	300,500	293,900	297,900	185
190	36.7	128.9	288,700	288,700	282,900	286,500	190
195	34.2	121.7	277,600	277,600	272,500	275,800	195
200	31.5	113.7	267,100	267,100	262,700	265,800	200
205	28.6	104.8	257,200	257,200	253,500	256,200	205

Oper. Radius Feet	Boom Angle Deg.	Boom Point Elev. Feet	0 Degree List Boom Capacity Pounds	1/2 Degree List 1/2 Degree Trim Boom Capacity Pounds	1/2 Degree List 1-1/2 Degree Trim Boom Capacity Pounds	1 Degree List 1 Degree Trim Boom Capacity Pounds	Oper. Radius Feet
225.0 ft Boom							
65	81.2	233.4	1,278,000 *				65
70	79.9	232.5	1,263,900 *	1,114,300 *	1,114,300 *		70
75	78.6	231.5	1,181,600	1,103,200 *	1,042,500		75
80	77.3	230.4	1,061,200	1,029,900	947,100		80
85	76.0	229.2	961,600	936,800	866,700	731,800 *	85
90	74.7	227.8	878,000	858,000	797,900	731,800 *	90
95	73.4	226.3	806,700	790,600	738,500	722,100 *	95
100	72.0	224.7	745,200	732,100	686,500	683,400 *	100
105	70.7	222.9	691,600	681,000	640,800	648,300 *	105
110	69.3	221.0	644,600	635,800	600,100	616,500 *	110
115	68.0	219.0	602,800	595,700	563,800	579,500	115
120	66.6	216.8	565,600	559,900	531,200	545,200	120
125	65.2	214.5	532,200	527,600	501,700	514,400	125
130	63.7	212.1	502,100	498,300	474,900	486,400	130
135	62.3	209.4	474,700	471,800	450,400	460,900	135
140	60.9	206.7	449,800	447,500	428,000	437,600	140
145	59.4	203.7	427,000	425,300	407,400	416,200	145
150	57.9	200.6	406,100	404,800	388,400	396,500	150
155	56.3	197.3	386,800	385,900	370,800	378,300	155
160	54.8	193.7	368,900	368,400	354,500	361,400	160
165	53.2	190.0	352,400	352,100	339,300	345,600	165
170	51.6	186.1	337,000	337,000	325,100	331,000	170
175	49.9	181.9	322,600	322,600	311,800	317,300	175
180	48.2	177.4	309,200	309,200	299,400	304,400	180
185	46.5	172.7	296,600	296,600	287,700	292,400	185
190	44.7	167.7	284,800	284,800	276,700	281,100	190
195	42.8	162.3	273,700	273,700	266,400	270,400	195
200	40.9	156.6	263,300	263,300	256,600	260,300	200
205	38.8	150.5	253,400	253,400	247,300	250,800	205
210	36.7	143.9	244,100	244,100	238,600	241,800	210
215	34.5	136.7	235,200	235,200	230,200	233,300	215
220	32.2	128.9	226,900	226,900	222,400	225,100	220
225	29.6	120.3	218,900	218,900	214,900	217,400	225

Oper. Radius Feet	Boom Angle Deg.	Boom Point Elev. Feet	0 Degree List Boom Capacity Pounds	1/2 Degree List 1/2 Degree Trim Boom Capacity Pounds	1/2 Degree List 1-1/2 Degree Trim Boom Capacity Pounds	Oper. Radius Feet
250.0 ft Boom						
70	81.0	257.9	1,132,100 *			70
75	79.8	257.0	1,120,600 *			75
80	78.6	256.0	1,056,400	978,200 *	932,200	80
85	77.5	254.9	956,800	929,800	853,400	85
90	76.3	253.7	873,200	851,500	785,900	90
95	75.1	252.3	801,900	784,300	727,400	95
100	73.9	250.9	740,400	726,100	676,300	100
105	72.7	249.3	686,800	675,200	631,200	105
110	71.5	247.7	639,700	630,300	591,100	110
115	70.3	245.9	598,000	590,300	555,300	115
120	69.0	244.0	560,800	554,600	523,000	120
125	67.8	241.9	527,400	522,400	493,900	125
130	66.6	239.8	497,200	493,200	467,300	130
135	65.3	237.5	469,900	466,700	443,100	135
140	64.0	235.0	445,000	442,500	420,900	140
145	62.7	232.4	422,200	420,300	400,500	145
150	61.4	229.7	401,200	399,900	381,700	150
155	60.1	226.9	381,900	381,000	364,200	155
160	58.8	223.8	364,100	363,600	348,000	160
165	57.4	220.6	347,500	347,300	332,900	165
170	56.0	217.3	332,100	332,100	318,800	170
175	54.6	213.7	317,800	317,800	305,600	175
180	53.2	210.0	304,300	304,300	293,300	180
185	51.7	206.1	291,800	291,800	281,600	185
190	50.2	201.9	280,000	280,000	270,700	190
195	48.7	197.6	268,900	268,900	260,400	195
200	47.2	193.0	258,400	258,400	250,600	200
205	45.6	188.1	248,600	248,600	241,400	205
210	43.9	183.0	239,200	239,200	232,700	210
215	42.2	177.5	230,400	230,400	224,400	215
220	40.5	171.7	222,000	222,000	216,500	220
225	38.6	165.5	214,100	214,100	209,000	225
230	36.7	158.9	206,500	206,500	201,900	230
235	34.8	151.8	199,300	199,300	195,100	235
240	32.7	144.1	192,500	192,500	188,600	240
245	30.4	135.8	185,900	185,900	182,400	245
250	28.0	126.6	179,700	179,700	176,400	250

Oper. Radius Feet	Boom Angle Deg.	Boom Point Elev. Feet	0 Degree List Boom Capacity Pounds
275.0 ft Boom			
70	81.8	283.3	1,016,400 *
75	80.7	282.4	1,007,300 *
80	79.7	281.5	997,900 *
85	78.6	280.5	953,200
90	77.5	279.4	869,500
95	76.5	278.2	798,200
100	75.4	276.9	736,700
105	74.3	275.5	683,100
110	73.2	274.0	636,000
115	72.1	272.4	594,300
120	71.0	270.7	557,100
125	69.9	268.8	523,700
130	68.8	266.9	493,600
135	67.7	264.8	466,200
140	66.5	262.7	441,300
145	65.4	260.4	418,500
150	64.2	258.0	397,500
155	63.1	255.4	378,200
160	61.9	252.8	360,400
165	60.7	250.0	343,800
170	59.5	247.0	328,400
175	58.3	243.9	314,100
180	57.0	240.7	300,700
185	55.8	237.3	288,100
190	54.5	233.7	276,300
195	53.2	230.0	265,200
200	51.9	226.1	254,800
205	50.5	222.0	244,900
210	49.1	217.7	235,600
215	47.7	213.2	226,800
220	46.3	208.4	218,400
225	44.8	203.4	210,400
230	43.3	198.2	202,900
235	41.8	192.6	195,700
240	40.2	186.7	188,800
245	38.5	180.5	182,300
250	36.8	173.9	176,000
255	35.0	166.8	170,100
260	33.1	159.2	164,300
265	31.1	151.1	158,900
270	29.0	142.2	153,600

Oper. Radius Feet	Boom Angle Deg.	Boom Point Elev. Feet	0 Degree List Boom Capacity Pounds
300.0 ft Boom			
75	81.5	307.8	899,400 *
80	80.5	306.9	890,800 *
85	79.6	306.0	873,600 *
90	78.6	305.0	856,400 *
95	77.6	303.9	793,300
100	76.6	302.7	731,800
105	75.7	301.4	678,200
110	74.7	300.1	631,100
115	73.7	298.6	589,400
120	72.7	297.0	552,100
125	71.7	295.4	518,700
130	70.7	293.6	488,600
135	69.6	291.8	461,200
140	68.6	289.8	436,300
145	67.6	287.7	413,500
150	66.5	285.6	392,600
155	65.5	283.3	373,200
160	64.4	280.9	355,400
165	63.4	278.4	338,800
170	62.3	275.8	323,400
175	61.2	273.0	309,100
180	60.1	270.2	295,700
185	59.0	267.2	283,100
190	57.8	264.0	271,300
195	56.7	260.7	260,200
200	55.5	257.3	249,800
205	54.4	253.7	239,900
210	53.2	250.0	230,600
215	52.0	246.1	221,800
220	50.7	242.0	213,400
225	49.5	237.8	205,500
230	48.2	233.3	197,900
235	46.9	228.7	190,700
240	45.6	223.8	183,900
245	44.2	218.7	177,300
250	42.8	213.3	171,100
255	41.4	207.7	165,100
260	39.9	201.8	159,400
265	38.4	195.5	153,900
270	36.8	188.9	148,600
275	35.1	181.9	143,600
280	33.4	174.4	138,800
285	31.6	166.4	134,100
290	29.7	157.8	129,600
295	27.7	148.4	125,300

Oper. Radius Feet	Boom Angle Deg.	Boom Point Elev. Feet	0 Degree List Boom Capacity Pounds
325.0 ft Boom			
80	81.3	332.3	784,500 *
85	80.4	331.4	770,300 *
90	79.5	330.5	755,900 *
95	78.6	329.5	741,300 *
100	77.7	328.4	726,600 *
105	76.8	327.2	674,200
110	75.9	326.0	627,100
115	75.0	324.6	585,400
120	74.0	323.2	548,200
125	73.1	321.7	514,800
130	72.2	320.1	484,600
135	71.3	318.4	457,300
140	70.3	316.6	432,300
145	69.4	314.7	409,500
150	68.4	312.7	388,600
155	67.5	310.7	369,300
160	66.5	308.5	351,400
165	65.6	306.2	334,900
170	64.6	303.8	319,500
175	63.6	301.4	305,100
180	62.6	298.8	291,700
185	61.6	296.1	279,100
190	60.6	293.3	267,300
195	59.6	290.3	256,300
200	58.5	287.3	245,800
205	57.5	284.1	236,000
210	56.4	280.8	226,600
215	55.4	277.3	217,800
220	54.3	273.7	209,400
225	53.2	270.0	201,500
230	52.1	266.1	193,900
235	50.9	262.1	186,800
240	49.8	257.9	179,900
245	48.6	253.5	173,400
250	47.4	248.9	167,100
255	46.2	244.1	161,100
260	44.9	239.1	155,400
265	43.7	233.9	150,000
270	42.4	228.5	144,700
275	41.0	222.8	139,700
280	39.7	216.8	134,800
285	38.2	210.5	130,200
290	36.8	203.9	125,700
295	35.3	196.9	121,400
300	33.7	189.5	117,200
305	32.0	181.6	113,200
310	30.3	173.2	109,300
315	28.5	164.1	105,600

Oper. Radius Feet	Boom Angle Deg.	Boom Point Elev. Feet	0 Degree List Boom Capacity Pounds
350.0 ft Boom			
80	81.9	357.6	695,500 *
85	81.1	356.8	683,400 *
90	80.3	355.9	671,000 *
95	79.4	355.0	658,400 *
100	78.6	354.0	645,600 *
105	77.7	352.9	632,700 *
110	76.9	351.7	619,700 *
115	76.1	350.5	580,400
120	75.2	349.2	543,200
125	74.4	347.8	509,800
130	73.5	346.3	479,600
135	72.7	344.7	452,200
140	71.8	343.1	427,300
145	70.9	341.4	404,500
150	70.1	339.5	383,500
155	69.2	337.6	364,200
160	68.3	335.7	346,400
165	67.4	333.6	329,800
170	66.5	331.4	314,400
175	65.6	329.1	300,100
180	64.7	326.8	286,600
185	63.8	324.3	274,100
190	62.9	321.8	262,300
195	62.0	319.1	251,200
200	61.0	316.3	240,800
205	60.1	313.5	230,900
210	59.1	310.5	221,600
215	58.2	307.4	212,700
220	57.2	304.2	204,400
225	56.2	300.8	196,400
230	55.2	297.3	188,900
235	54.2	293.7	181,700
240	53.2	290.0	174,800
245	52.1	286.1	168,300
250	51.1	282.1	162,100
255	50.0	277.9	156,100
260	48.9	273.6	150,400
265	47.8	269.1	144,900
270	46.7	264.4	139,600
275	45.6	259.5	134,600
280	44.4	254.4	129,800
285	43.2	249.1	125,100
290	42.0	243.6	120,600
295	40.7	237.9	116,300
300	39.5	231.8	112,200
305	38.1	225.5	108,200
310	36.8	218.9	104,300
315	35.4	211.9	100,600

Oper. Radius Feet	Boom Angle Deg.	Boom Point Elev. Feet	0 Degree List Boom Capacity Pounds
375.0 ft Boom			
85	81.7	382.1	603,600 *
90	80.9	381.3	593,100 *
95	80.1	380.4	582,300 *
100	79.4	379.5	571,300 *
105	78.6	378.5	560,000 *
110	77.8	377.4	548,100 *
115	77.0	376.3	535,700 *
120	76.2	375.0	523,000 *
125	75.4	373.7	505,600
130	74.6	372.4	475,500
135	73.8	370.9	448,100
140	73.0	369.4	423,200
145	72.2	367.8	400,300
150	71.4	366.1	379,400
155	70.6	364.3	360,100
160	69.8	362.5	342,200
165	69.0	360.6	325,700
170	68.2	358.6	310,300
175	67.3	356.5	295,900
180	66.5	354.3	282,500
185	65.7	352.1	269,900
190	64.8	349.7	258,100
195	64.0	347.3	247,000
200	63.1	344.7	236,600
205	62.3	342.1	226,700
210	61.4	339.4	217,400
215	60.5	336.6	208,600
220	59.6	333.6	200,200
225	58.7	330.6	192,300
230	57.8	327.5	184,700
235	56.9	324.2	177,500
240	56.0	320.8	170,700
245	55.1	317.4	164,100
250	54.1	313.8	157,900
255	53.2	310.0	151,900
260	52.2	306.1	146,200
265	51.2	302.1	140,700
270	50.2	298.0	135,500
275	49.2	293.7	130,400
280	48.2	289.2	125,600
285	47.2	284.6	121,000
290	46.1	279.8	116,500
295	45.0	274.9	112,200
300	43.9	269.7	108,000
305	42.8	264.3	104,000
310	41.7	258.7	100,200

Oper. Radius Feet	Boom Angle Deg.	Boom Point Elev. Feet	0 Degree List Boom Capacity Pounds
400.0 ft Boom			
90	81.5	406.6	516,200 *
95	80.8	405.8	512,000 *
100	80.0	404.9	501,800 *
105	79.3	404.0	490,800 *
110	78.6	403.0	479,300 *
115	77.8	401.9	467,400 *
120	77.1	400.8	455,500 *
125	76.4	399.5	443,700 *
130	75.6	398.3	431,900 *
135	74.9	396.9	420,300 *
140	74.1	395.5	408,800 *
145	73.4	394.0	395,300
150	72.6	392.4	374,300
155	71.9	390.8	355,000
160	71.1	389.1	337,100
165	70.4	387.3	320,600
170	69.6	385.4	305,200
175	68.8	383.5	290,800
180	68.1	381.5	277,400
185	67.3	379.4	264,800
190	66.5	377.2	253,000
195	65.7	375.0	241,900
200	64.9	372.6	231,500
205	64.1	370.2	221,600
210	63.3	367.7	212,300
215	62.5	365.1	203,500
220	61.7	362.4	195,100
225	60.9	359.6	187,200
230	60.1	356.8	179,600
235	59.2	353.8	172,400
240	58.4	350.7	165,600
245	57.5	347.5	159,000
250	56.7	344.3	152,800
255	55.8	340.9	146,800
260	55.0	337.4	141,100
265	54.1	333.8	135,600
270	53.2	330.0	130,400
275	52.3	326.2	125,400
280	51.4	322.2	120,500
285	50.4	318.0	115,900
290	49.5	313.8	111,400
295	48.5	309.4	107,100
300	47.6	304.8	102,900