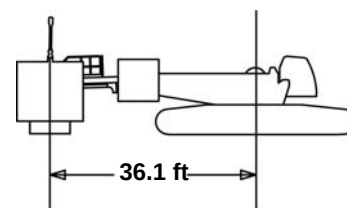


Liftcrane Boom Capacities

Boom No. 58 HL with 98.4 ft Mast No. 59A
332,000 lb Crane Counterweight
120,000 lb Carbody Counterweight
0 lb thru 489,850 lb Hanging Counterweight
at 36.1 ft Position
360 Degree Rating

16000 MAX-ER



LIFTING CAPACITIES: 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 (*).

Standard upper boom point capacity for liftcrane service with single part whip line is 30,000 lb or 60,000 lb with two part whip line. In all cases, upper boom point capacities cannot exceed those listed for main boom capacity.

Weight of all load blocks, hooks, weight ball, 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.



HANGING COUNTERWEIGHT: Hanging counterweight must be attached to machine and MAX-ER mode must be selected to operate. Exit MAX-ER mode before operating without hanging counterweight.



MINIMUM LIFTING CAPACITY TO SWING AND TRAVEL: Minimum lifting capacity to raise hanging counterweight free of ground support is required for swing and travel. Do not allow hanging counterweight to contact ground while swinging and traveling.

OPERATING CONDITIONS: Machine to operate in a level position on a firm uniformly supporting surface with mast up. Refer to boom rigging **No. A14546**, Wire Rope Specification chart **No. 8745-A**, Counterweight Arrangement chart **No. 8682-A** and Wind Conditions chart **No. 8688-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. Refer to Operator's Manual for operating guidelines.

MACHINE TRAVEL: Machine to travel on a firm, level and uniformly supporting surface and boom within boom angle range shown in capacity chart. Refer to Swing and Travel Specification chart **No. 8797-A**.



OPERATING RADIUS: Operating radius is horizontal distance from axis of rotation to center of vertical hoist line or load block.



BOOM ANGLE: Boom angle in degrees ($^{\circ}$) 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 ground level to centerline of boom point shaft.

MACHINE EQUIPMENT: Machine equipped with MAX-ER, 34 ft crawlers, 60 in. treads, 32 ft live mast, 98.4 ft mast, 12 part boom hoist reeving, boom support straps, 332,000 lb crane counterweight, two 30,000 lb and four 15,000 lb carbody counterweights and hanging counterweight as specified.

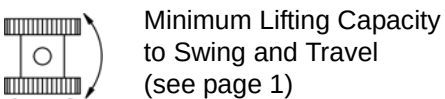
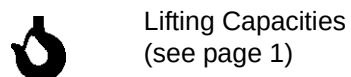
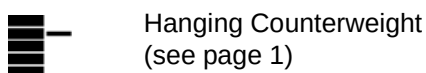
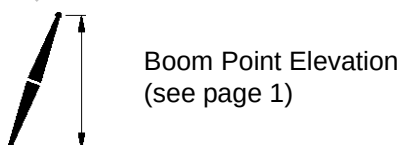
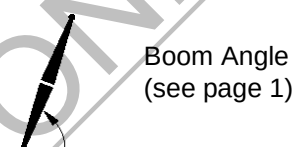
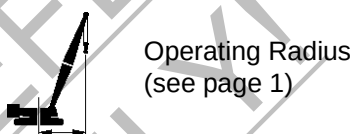
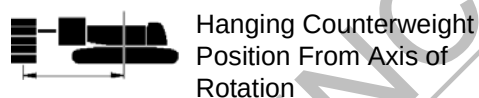
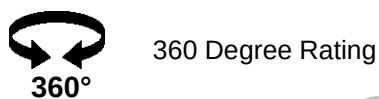
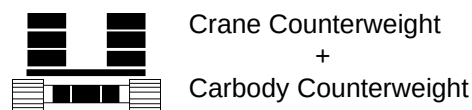
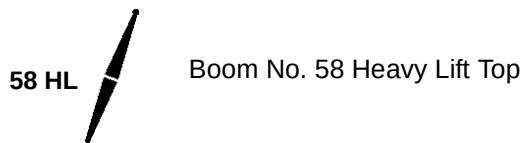
WARNING: Check amount of crane counterweight and hanging counterweight on machine before use of this chart. Refer to Operator's Manual for counterweight identification.

Maximum Boom Length Lifted Unassisted	
Over End of Blocked Crawlers	Over Side or End of Unblocked Crawlers
With 0 lb Hanging Counterweight	
315.0 ft	295.3 ft
With 137,850 lb Hanging Counterweight	
374.0 ft	(a) 374.0 ft
Over Side or End of Unblocked Crawlers	
With 313,850 lb Hanging Counterweight	With 489,850 lb Hanging Counterweight
393.7 ft	393.7 ft
Load block, hook and weight ball on ground at start. (a) When equipped with boom catwalks and 137,850 lb hanging counterweight, 374.0 ft boom cannot be raised over side or end of unblocked crawlers.	

Boom Catwalks Deduct

Deduct 1,200 lb from capacities when boom catwalks are attached.

Explanation of Symbols



58 HL



332,000 lb
+
120,000 lb

360°

36.1 ft



137.8 ft

 ft	 °	 ft	 0 lb	 137,850 lb		 313,850 lb		 489,850 lb		 ft
			 lb	 lb	 lb	 lb	 lb	 lb	 lb	
26	82.8	145.0	756,500 *	507,500	837,400 *					26
28	82.0	144.7	704,000 *	456,700	820,400 *					28
30	81.1	144.3	658,000 *	414,600	767,200 *	712,400	837,400 *			30
32	80.3	143.9	617,500 *	379,000	720,200 *	653,500	837,400 *			32
34	79.5	143.5	581,400 *	348,600	678,400 *	603,100	802,400 *			34
36	78.6	143.1	547,000 *	322,200	641,000 *	559,600	758,500 *			36
38	77.7	142.6	514,600 *	299,300	607,400 *	521,500	718,900 *	744,500	830,500 *	38
40	76.9	142.1	485,700 *	279,000	576,900 *	487,900	683,200 *	697,600	789,400 *	40
45	74.7	140.7	410,400	237,500	512,000 *	419,300	607,000 *	601,700	702,000 *	45
50	72.5	139.1	351,300	205,500	459,300 *	366,300	545,400 *	527,700	631,300 *	50
55	70.3	137.2	306,000	180,100	412,600 *	324,300	494,600 *	468,900	573,000 *	55
60	68.1	135.2	270,200	159,300	373,900 *	290,000	452,000 *	421,100	524,000 *	60
65	65.8	132.9	241,200	142,200	336,200	261,600	415,700 *	381,500	482,400 *	65
70	63.5	130.3	217,200	127,600	304,000	237,600	384,400 *	348,000	446,500 *	70
75	61.1	127.5	197,000	115,200	276,900	217,100	357,200 *	319,400	415,200 *	75
80	58.6	124.4	179,800	104,500	253,700	199,400	333,200 *	294,700	387,700 *	80
85	56.1	121.0	165,000	95,100	233,800	183,900	311,100 *	273,100	363,400 *	85
90	53.5	117.3	152,000	86,800	216,400	170,300	291,400 *	254,000	341,700 *	90
95	50.8	113.2	140,600	79,400	201,100	158,100	273,700 *	237,100	322,300 *	95
100	48.0	108.7	130,500	72,800	187,600	147,300	257,900 *	222,000	304,700 *	100
105	45.1	103.7	121,500	66,900	175,400	137,500	243,500 *	208,300	288,700 *	105
110	42.0	98.1	113,300	61,500	164,500	128,600	229,900	196,000	274,200 *	110
115	38.7	91.8	106,000	56,600	154,700	120,600	216,900	184,800	260,900 *	115
120	35.1	84.8	99,300	52,000	145,800	113,200	205,100	174,500	248,700 *	120
125	31.1	76.6	93,200	47,900	137,600	106,300	194,300	165,000	237,400 *	125
130	26.5	66.9	87,600	44,000	130,100	100,000	184,300	156,200	223,600 *	130
135	21.0	54.6	82,400	40,300	123,100	94,100	175,200	148,000	207,200 *	135

16000 MAX-ER

ANSI B30.5



332,000 lb
+
120,000 lb



										
			0 lb	137,850 lb		313,850 lb		489,850 lb		
ft	°	ft	 lb	 lb	 lb	 lb	 lb	 lb	 lb	ft
28	83.0	164.6	702,900 *	462,400	749,700 *					28
30	82.3	164.3	657,000 *	419,200	749,700 *					30
32	81.5	164.0	616,400 *	382,900	719,100 *	660,200	749,700 *			32
34	80.8	163.6	580,300 *	351,800	677,300 *	608,800	749,700 *			34
36	80.0	163.2	546,300 *	325,000	639,900 *	564,400	749,700 *			36
38	79.3	162.8	513,900 *	301,500	606,300 *	525,700	717,800 *			38
40	78.6	162.4	484,900 *	280,900	575,800 *	491,600	682,000 *			40
45	76.7	161.1	410,800	238,700	510,900 *	421,900	605,900 *	605,600	700,900 *	45
50	74.8	159.7	351,400	206,200	458,400 *	368,200	544,300 *	530,700	630,200 *	50
55	72.9	158.2	306,000	180,400	411,700 *	325,600	493,500 *	471,200	571,800 *	55
60	71.0	156.4	270,100	159,500	373,100 *	290,900	450,800 *	422,800	522,900 *	60
65	69.0	154.4	241,000	142,100	336,000	262,200	414,500 *	382,700	481,200 *	65
70	67.0	152.3	216,900	127,400	303,700	238,000	383,300 *	349,000	445,300 *	70
75	65.0	149.9	196,700	114,800	276,500	217,300	356,000 *	320,100	414,100 *	75
80	63.0	147.3	179,400	104,000	253,300	199,400	332,100 *	295,200	386,600 *	80
85	60.9	144.5	164,500	94,500	233,300	183,800	310,200 *	273,400	362,300 *	85
90	58.7	141.4	151,500	86,100	215,900	170,000	290,400 *	254,200	340,600 *	90
95	56.6	138.1	140,100	78,700	200,600	157,800	272,800 *	237,200	321,100 *	95
100	54.3	134.4	129,900	72,100	187,000	146,900	256,900 *	222,000	303,600 *	100
105	52.0	130.5	120,900	66,100	174,900	137,100	242,600 *	208,300	287,600 *	105
110	49.6	126.2	112,700	60,700	164,000	128,200	229,300	195,900	273,100 *	110
115	47.1	121.5	105,400	55,700	154,100	120,100	216,300	184,600	259,800 *	115
120	44.5	116.4	98,700	51,200	145,200	112,700	204,500	174,300	247,600 *	120
125	41.8	110.8	92,600	47,100	137,000	105,900	193,700	164,900	236,300 *	125
130	38.9	104.6	87,000	43,200	129,500	99,600	183,800	156,200	225,900 *	130
135	35.8	97.7	81,800	39,700	122,600	93,800	174,700	148,100	216,200 *	135
140	32.4	89.9	77,100	36,400	116,300	88,400	166,300	140,700	207,200 *	140
145	28.7	81.0	72,700	33,200	110,400	83,400	158,500	133,700	198,800 *	145
150	24.4	70.3	68,500	30,300	104,900	78,600	151,200	127,100	187,600 *	150



ANSI B30.5

16000 MAX-ER

58 HL



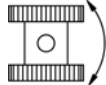
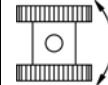
332,000 lb
+
120,000 lb

360°

36.1 ft



177.2 ft

 ft	 °	 ft	 0 lb	 137,850 lb		 313,850 lb		 489,850 lb		 ft
			 lb	 lb	 lb	 lb	 lb	 lb	 lb	
32	82.5	183.9	614,900 *	386,100	688,600 *					32
34	81.8	183.6	578,800 *	354,500	675,900 *	613,900	688,100 *			34
36	81.2	183.2	545,300 *	327,100	638,500 *	568,700	687,200 *			36
38	80.5	182.9	512,900 *	303,300	604,800 *	529,300	687,200 *			38
40	79.9	182.5	483,900 *	282,300	574,400 *	494,700	680,600 *			40
45	78.2	181.4	410,700	239,500	509,500 *	424,000	604,500 *	609,000	686,100 *	45
50	76.5	180.2	351,200	206,600	457,000 *	369,600	542,900 *	533,100	628,800 *	50
55	74.9	178.8	305,700	180,500	410,600 *	326,500	492,100 *	473,000	570,500 *	55
60	73.2	177.2	269,600	159,200	371,900 *	291,400	449,500 *	424,100	521,500 *	60
65	71.5	175.5	240,500	141,600	335,400	262,400	413,200 *	383,600	479,900 *	65
70	69.7	173.6	216,300	126,800	303,100	238,000	381,900 *	349,500	444,000 *	70
75	68.0	171.6	196,000	114,100	275,800	217,100	354,700 *	320,400	412,700 *	75
80	66.2	169.3	178,700	103,200	252,600	199,100	330,800 *	295,300	385,300 *	80
85	64.4	166.9	163,800	93,600	232,600	183,300	309,000 *	273,300	361,000 *	85
90	62.6	164.3	150,800	85,200	215,200	169,500	289,200 *	254,000	339,300 *	90
95	60.7	161.4	139,300	77,700	199,800	157,200	271,600 *	236,900	319,800 *	95
100	58.8	158.4	129,100	71,000	186,200	146,200	255,700 *	221,600	302,300 *	100
105	56.9	155.1	120,100	65,000	174,000	136,300	241,400 *	207,800	286,300 *	105
110	54.9	151.5	111,900	59,600	163,100	127,400	228,400 *	195,400	271,800 *	110
115	52.9	147.7	104,500	54,600	153,300	119,200	215,500	184,100	258,500 *	115
120	50.8	143.6	97,900	50,100	144,300	111,800	203,600	173,800	246,300 *	120
125	48.6	139.2	91,800	45,900	136,100	105,000	192,800	164,300	235,100 *	125
130	46.4	134.4	86,200	42,100	128,700	98,800	182,900	155,600	224,700 *	130
135	44.1	129.2	81,000	38,600	121,800	93,000	173,800	147,600	215,000 *	135
140	41.6	123.6	76,300	35,300	115,400	87,600	165,500	140,100	206,000 *	140
145	39.1	117.4	71,800	32,200	109,500	82,600	157,700	133,200	197,700 *	145
150	36.3	110.6	67,700	29,300	104,100	77,900	150,500	126,700	189,800 *	150
160	30.2	94.7	60,300	24,100	94,200	69,400	137,500	114,900	175,200 *	160
170	22.6	73.4	53,800	19,400	85,500	61,800	126,000	104,400	158,900 *	170

16000 MAX-ER

ANSI B30.5



332,000 lb
+
120,000 lb



										
			0 lb	137,850 lb		313,850 lb		489,850 lb		
ft	°	ft	 lb	 lb	 lb	 lb	 lb	 lb	 lb	ft
34	82.6	203.5	577,200 *	356,900	623,600 *					34
36	82.1	203.2	544,000 *	329,000	623,200 *					36
38	81.5	202.9	511,600 *	304,800	603,200 *	532,600	622,700 *			38
40	80.9	202.5	482,600 *	283,500	572,800 *	497,500	622,600 *			40
45	79.4	201.6	410,400	240,000	507,900 *	425,700	602,900 *			45
50	77.9	200.4	350,700	206,600	455,400 *	370,600	541,300 *	535,200	605,400 *	50
55	76.4	199.2	305,000	180,200	409,200 *	327,000	490,500 *	474,400	568,900 *	55
60	74.9	197.8	268,900	158,700	370,500 *	291,600	447,900 *	425,000	519,900 *	60
65	73.4	196.3	239,700	140,900	334,700	262,300	411,600 *	384,100	478,300 *	65
70	71.8	194.6	215,500	125,900	302,200	237,600	380,300 *	349,700	442,400 *	70
75	70.3	192.8	195,100	113,200	275,000	216,600	353,100 *	320,400	411,200 *	75
80	68.7	190.8	177,800	102,100	251,700	198,400	329,200 *	295,000	383,700 *	80
85	67.1	188.7	162,800	92,500	231,600	182,600	307,600 *	272,900	359,400 *	85
90	65.5	186.4	149,800	84,000	214,200	168,600	287,800 *	253,500	337,700 *	90
95	63.9	183.9	138,300	76,500	198,800	156,200	270,200 *	236,300	318,300 *	95
100	62.3	181.2	128,100	69,700	185,100	145,200	254,300 *	220,900	300,700 *	100
105	60.6	178.4	119,000	63,700	173,000	135,200	240,000 *	207,000	284,800 *	105
110	58.9	175.3	110,800	58,200	162,000	126,200	227,000 *	194,500	270,300 *	110
115	57.2	172.1	103,500	53,200	152,200	118,100	214,400	183,200	257,000 *	115
120	55.4	168.6	96,800	48,700	143,200	110,600	202,500	172,800	244,800 *	120
125	53.6	164.9	90,600	44,500	135,000	103,800	191,700	163,300	233,600 *	125
130	51.7	160.9	85,000	40,700	127,500	97,500	181,800	154,600	223,200 *	130
135	49.8	156.6	79,900	37,100	120,700	91,700	172,700	146,500	213,500 *	135
140	47.8	152.1	75,100	33,800	114,300	86,300	164,300	139,000	204,600 *	140
145	45.8	147.2	70,700	30,700	108,400	81,300	156,600	132,100	196,200 *	145
150	43.7	142.0	66,600	27,900	103,000	76,700	149,300	125,600	188,400 *	150
160	39.2	130.2	59,300	22,700	93,100	68,200	136,400	113,900	173,900 *	160
170	34.2	116.2	52,800	18,100	84,500	60,800	125,000	103,600	161,000 *	170
180	28.4	99.0	47,000	13,900	76,900	54,100	114,900	94,400	149,500 *	180
190	21.1	76.2	41,800	10,100	70,000	48,000	105,900	86,000	135,300 *	190

58 HL



332,000 lb
+
120,000 lb

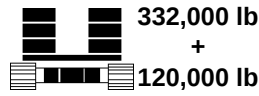
360°

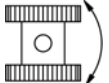
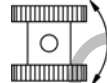
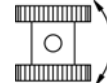
36.1 ft



216.5 ft

			 0 lb	 137,850 lb		 313,850 lb		 489,850 lb		
			 lb	 lb	 lb	 lb	 lb	 lb	 lb	
36	82.8	223.1	543,700 *	331,900	553,800 *					36
38	82.3	222.8	511,200 *	307,300	553,800 *					38
40	81.7	222.5	482,200 *	285,600	553,800 *					40
45	80.4	221.6	410,700	241,500	507,200 *	428,500	553,100 *			45
50	79.0	220.6	351,000	207,700	454,800 *	372,800	540,700 *			50
55	77.7	219.5	305,200	181,000	408,800 *	328,700	489,900 *	476,800	538,200 *	55
60	76.3	218.2	269,000	159,300	370,100 *	292,900	447,300 *	427,000	519,300 *	60
65	74.9	216.9	239,700	141,300	334,700	263,300	411,000 *	385,700	477,700 *	65
70	73.6	215.4	215,500	126,200	302,200	238,500	379,700 *	351,100	441,800 *	70
75	72.2	213.7	195,100	113,300	274,900	217,200	352,500 *	321,500	410,600 *	75
80	70.8	211.9	177,700	102,200	251,600	198,900	328,600 *	296,000	383,100 *	80
85	69.3	210.0	162,700	92,500	231,600	183,000	307,100 *	273,700	358,800 *	85
90	67.9	208.0	149,600	84,000	214,000	168,900	287,400 *	254,100	337,200 *	90
95	66.5	205.8	138,100	76,400	198,700	156,500	269,700 *	236,800	317,700 *	95
100	65.0	203.4	127,900	69,600	185,000	145,300	253,900 *	221,300	300,200 *	100
105	63.5	200.9	118,800	63,500	172,800	135,400	239,600 *	207,400	284,300 *	105
110	62.0	198.2	110,700	58,000	161,900	126,300	226,600 *	194,800	269,800 *	110
115	60.5	195.3	103,300	53,000	152,000	118,100	214,200	183,400	256,500 *	115
120	58.9	192.3	96,600	48,500	143,000	110,600	202,400	173,000	244,300 *	120
125	57.4	189.1	90,500	44,300	134,900	103,800	191,500	163,500	233,100 *	125
130	55.8	185.6	84,900	40,400	127,400	97,500	181,600	154,700	222,700 *	130
135	54.1	182.0	79,700	36,900	120,500	91,700	172,500	146,700	213,100 *	135
140	52.5	178.1	75,000	33,600	114,100	86,300	164,100	139,200	204,100 *	140
145	50.7	174.0	70,500	30,500	108,200	81,300	156,400	132,200	195,800 *	145
150	49.0	169.6	66,500	27,700	102,800	76,600	149,200	125,800	187,900 *	150
160	45.3	160.0	59,100	22,500	93,000	68,200	136,200	114,100	173,500 *	160
170	41.4	149.1	52,600	17,900	84,400	60,700	124,900	103,700	160,600 *	170
180	37.1	136.4	46,900	13,800	76,700	54,100	114,800	94,600	149,200 *	180
190	32.3	121.4	41,800	10,100	70,000	48,200	105,900	86,400	138,900 *	190
200	26.8	103.0	37,200	6,700	63,900	42,800	97,900	78,900	129,600 *	200
210	19.8	78.6	33,000	3,600	58,300	37,700	90,600	72,000	117,000 *	210



										
										
ft	°	ft	lb	lb	lb	lb	lb	lb	lb	ft
38	82.9	242.7	502,300 *	308,500	502,300 *					38
40	82.4	242.4	480,700 *	286,500	502,300 *					40
45	81.2	241.6	410,100	241,700	497,600 *	429,900	497,600 *			45
50	80.0	240.7	350,200	207,500	453,000 *	373,500	491,500 *			50
55	78.7	239.7	304,300	180,400	407,200 *	328,900	485,400 *			55
60	77.5	238.5	268,000	158,500	368,500 *	292,800	445,500 *	427,500	479,200 *	60
65	76.2	237.3	238,700	140,300	333,600	262,900	409,200 *	385,900	473,000 *	65
70	75.0	235.9	214,400	125,100	301,100	237,800	378,000 *	350,900	440,000 *	70
75	73.7	234.4	193,900	112,100	273,800	216,400	350,800 *	321,100	408,800 *	75
80	72.4	232.8	176,500	100,900	250,400	198,000	326,900 *	295,400	381,400 *	80
85	71.1	231.1	161,500	91,100	230,300	181,900	305,500 *	273,000	357,100 *	85
90	69.8	229.2	148,400	82,500	212,800	167,700	285,800 *	253,300	335,400 *	90
95	68.5	227.2	136,900	74,800	197,400	155,200	268,100 *	235,800	316,000 *	95
100	67.2	225.1	126,700	68,000	183,700	144,000	252,300 *	220,200	298,500 *	100
105	65.9	222.8	117,500	61,900	171,500	134,000	238,000 *	206,300	282,500 *	105
110	64.5	220.4	109,300	56,400	160,600	124,900	225,000 *	193,600	268,100 *	110
115	63.2	217.9	101,900	51,300	150,700	116,600	212,900	182,200	254,800 *	115
120	61.8	215.1	95,200	46,800	141,700	109,100	201,000	171,700	242,600 *	120
125	60.4	212.3	89,100	42,500	133,500	102,200	190,200	162,100	231,400 *	125
130	59.0	209.2	83,500	38,700	126,000	95,900	180,300	153,300	221,000 *	130
135	57.5	206.0	78,300	35,100	119,100	90,100	171,200	145,200	211,400 *	135
140	56.1	202.7	73,600	31,800	112,700	84,700	162,800	137,700	202,400 *	140
145	54.6	199.1	69,200	28,700	106,900	79,700	155,000	130,800	194,100 *	145
150	53.1	195.3	65,100	25,900	101,400	75,000	147,800	124,300	186,300 *	150
160	49.9	187.1	57,700	20,700	91,600	66,500	134,800	112,500	171,900 *	160
170	46.6	177.9	51,200	16,100	83,000	59,100	123,500	102,200	159,100 *	170
180	43.1	167.5	45,500	12,000	75,400	52,500	113,500	93,100	147,600 *	180
190	39.4	155.7	40,400	8,400	68,600	46,600	104,500	84,900	137,400 *	190
200	35.3	142.1	35,900	5,000	62,500	41,200	96,600	77,500	128,200 *	200
210	30.7	126.2	31,700	2,000	57,000	36,300	89,300	70,800	119,800 *	210
220	25.4	106.7	28,000		52,000	31,900	82,800	64,600	112,100 *	220
230	18.7	80.8	24,500		47,400	27,700	76,800	58,900	100,000 *	230



ANSI B30.5

16000 MAX-ER

58 HL



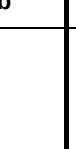
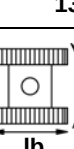
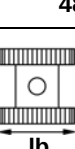
332,000 lb
+
120,000 lb

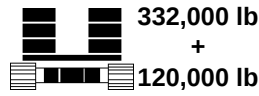
360°

36.1 ft



255.9 ft

														
ft	°	ft	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	ft
40	83.0	262.3	452,300 *	288,000	452,300 *									40
45	81.9	261.6	409,900	242,500	449,300 *									45
50	80.7	260.7	349,800	207,800	445,500 *	374,700	445,500 *							50
55	79.6	259.8	303,800	180,400	406,200 *	329,600	441,600 *							55
60	78.5	258.7	267,500	158,200	367,400 *	293,100	437,800 *							60
65	77.3	257.6	238,000	139,900	333,000	263,000	408,000 *	386,500	434,000 *					65
70	76.1	256.3	213,600	124,500	300,400	237,600	376,700 *	351,200	430,300 *					70
75	75.0	254.9	193,200	111,300	273,000	216,100	349,500 *	321,100	407,500 *					75
80	73.8	253.5	175,700	100,000	249,600	197,500	325,600 *	295,200	380,100 *					80
85	72.6	251.9	160,600	90,100	229,500	181,300	304,400 *	272,700	355,800 *					85
90	71.5	250.2	147,500	81,500	211,900	167,000	284,600 *	252,900	334,100 *					90
95	70.3	248.4	136,000	73,800	196,500	154,400	266,900 *	235,300	314,700 *					95
100	69.1	246.4	125,700	66,900	182,800	143,100	251,100 *	219,600	297,200 *					100
105	67.9	244.4	116,600	60,800	170,600	133,000	236,800 *	205,600	281,300 *					105
110	66.6	242.2	108,400	55,200	159,600	123,900	223,800 *	192,900	266,800 *					110
115	65.4	239.9	101,000	50,100	149,700	115,600	211,900	181,300	253,500 *					115
120	64.2	237.4	94,300	45,500	140,700	108,100	200,000	170,800	241,300 *					120
125	62.9	234.8	88,100	41,300	132,500	101,200	189,200	161,200	230,100 *					125
130	61.6	232.1	82,500	37,400	125,000	94,800	179,300	152,400	219,700 *					130
135	60.3	229.2	77,300	33,800	118,100	89,000	170,200	144,300	210,100 *					135
140	59.0	226.2	72,600	30,500	111,700	83,500	161,800	136,700	201,200 *					140
145	57.7	223.0	68,200	27,400	105,900	78,500	154,000	129,700	192,800 *					145
150	56.3	219.7	64,100	24,600	100,400	73,800	146,800	123,200	185,000 *					150
160	53.6	212.4	56,700	19,400	90,600	65,400	133,800	111,500	170,800 *					160
170	50.7	204.4	50,200	14,800	82,000	57,900	122,500	101,200	157,900 *					170
180	47.7	195.5	44,600	10,700	74,400	51,300	112,500	92,000	146,500 *					180
190	44.6	185.6	39,500	7,100	67,600	45,400	103,600	83,900	136,300 *					190
200	41.2	174.5	34,900	3,800	61,600	40,100	95,600	76,500	127,100 *					200
210	37.6	162.0	30,800		56,100	35,300	88,400	69,800	118,700 *					210
220	33.7	147.6	27,100		51,200	30,900	81,900	63,800	111,100 *					220
230	29.3	130.7	23,700		46,600	26,800	76,000	58,200	104,200 *					230
240	24.2	110.2	20,500		42,500	23,000	70,500	53,000	96,300 *					240
250	17.7	82.8	17,100 *		38,600	19,500	65,500	48,200	85,400 *					250



			 0 lb	 137,850 lb		 313,850 lb		 489,850 lb		
			 lb	 lb	 lb	 lb	 lb	 lb	 lb	
45	82.5	281.5	390,300 *	242,700	390,300 *					45
50	81.4	280.7	349,000	207,500	390,300 *					50
55	80.3	279.8	302,800	179,700	390,300 *	329,700	390,300 *			55
60	79.3	278.9	266,400	157,300	365,700 *	292,800	390,300 *			60
65	78.2	277.8	236,800	138,700	331,800	262,400	390,300 *			65
70	77.2	276.6	212,400	123,200	299,200	236,800	374,800 *			70
75	76.1	275.4	191,900	109,900	271,700	215,100	347,600 *	320,600	380,100 *	75
80	75.0	274.0	174,400	98,500	248,300	196,300	323,700 *	294,500	374,300 *	80
85	73.9	272.5	159,300	88,600	228,100	180,000	302,600 *	271,800	354,000 *	85
90	72.8	271.0	146,100	79,800	210,500	165,700	282,900 *	251,800	332,300 *	90
95	71.7	269.3	134,600	72,100	195,100	153,000	265,200 *	234,100	312,900 *	95
100	70.6	267.5	124,300	65,200	181,400	141,700	249,300 *	218,400	295,300 *	100
105	69.5	265.6	115,200	59,000	169,100	131,500	235,000 *	204,200	279,400 *	105
110	68.4	263.6	106,900	53,400	158,100	122,300	222,000 *	191,500	264,900 *	110
115	67.3	261.5	99,500	48,300	148,200	114,000	210,200 *	179,900	251,700 *	115
120	66.1	259.2	92,800	43,700	139,200	106,400	198,500	169,300	239,500 *	120
125	65.0	256.9	86,600	39,400	131,000	99,400	187,700	159,700	228,300 *	125
130	63.8	254.4	81,000	35,500	123,500	93,100	177,800	150,800	217,900 *	130
135	62.7	251.8	75,800	31,900	116,600	87,200	168,700	142,600	208,300 *	135
140	61.5	249.1	71,000	28,600	110,200	81,700	160,200	135,100	199,400 *	140
145	60.3	246.2	66,600	25,500	104,300	76,700	152,500	128,100	191,000 *	145
150	59.1	243.2	62,500	22,600	98,900	72,000	145,200	121,500	183,200 *	150
160	56.6	236.7	55,200	17,400	89,000	63,500	132,300	109,800	169,000 *	160
170	54.0	229.6	48,700	12,800	80,400	56,000	120,900	99,400	156,200 *	170
180	51.4	221.7	43,000	8,700	72,800	49,400	110,900	90,200	144,800 *	180
190	48.6	213.1	37,900	5,100	66,100	43,500	102,000	82,100	134,600 *	190
200	45.8	203.6	33,400	1,800	60,000	38,200	94,100	74,700	125,400 *	200
210	42.7	193.0	29,300		54,600	33,400	86,900	68,100	117,000 *	210
220	39.5	181.2	25,500		49,600	29,000	80,400	62,000	109,500 *	220
230	36.1	168.0	22,100		45,100	25,000	74,500	56,500	102,500 *	230
240	32.3	152.8	18,700 *		41,000	21,300	69,000	51,400	96,200 *	240
250	28.1	135.0	15,200 *		37,200	17,800	64,000	46,700	90,300 *	250
260	23.1	113.4	11,900 *		33,400 *	14,600	59,400	42,300	81,900 *	260
270	16.8	84.5	8,800 *		29,500 *	11,500	55,100	38,100	72,400 *	270

58 HL



332,000 lb
+
120,000 lb

360°

36.1 ft



295.3 ft

			 0 lb	 137,850 lb		 313,850 lb		 489,850 lb		
			 lb	 lb	 lb	 lb	 lb	 lb	 lb	
45	83.0	301.4	327,200 *	243,500	327,200 *					45
50	82.0	300.6	327,200 *	207,900	327,200 *					50
55	81.0	299.8	302,400	179,800	327,200 *					55
60	80.0	298.9	265,900	157,200	327,200 *	293,400	327,200 *			60
65	79.0	297.9	236,300	138,500	327,200 *	262,700	327,200 *			65
70	78.0	296.8	211,800	122,800	298,600	236,900	327,200 *			70
75	77.0	295.7	191,300	109,400	271,100	215,000	324,100 *			75
80	76.0	294.4	173,700	97,900	247,700	196,100	319,100 *			80
85	75.0	293.0	158,600	87,900	227,400	179,700	301,500 *	271,800	314,300 *	85
90	74.0	291.6	145,400	79,100	209,800	165,300	281,900 *	251,700	309,700 *	90
95	73.0	290.0	133,800	71,300	194,400	152,500	264,200 *	233,900	305,200 *	95
100	72.0	288.4	123,600	64,400	180,600	141,100	248,400 *	218,100	294,300 *	100
105	71.0	286.6	114,400	58,200	168,400	130,900	234,100 *	203,800	278,400 *	105
110	69.9	284.8	106,200	52,500	157,400	121,700	221,100 *	191,000	263,900 *	110
115	68.9	282.8	98,700	47,400	147,500	113,300	209,200 *	179,400	250,700 *	115
120	67.8	280.8	92,000	42,800	138,500	105,700	197,800	168,800	238,500 *	120
125	66.8	278.6	85,800	38,500	130,200	98,700	186,900	159,100	227,300 *	125
130	65.7	276.3	80,200	34,600	122,700	92,300	177,000	150,200	216,900 *	130
135	64.6	273.9	75,000	31,000	115,800	86,400	167,900	142,000	207,300 *	135
140	63.5	271.4	70,300	27,600	109,400	80,900	159,500	134,400	198,400 *	140
145	62.4	268.8	65,800	24,500	103,500	75,900	151,700	127,400	190,000 *	145
150	61.3	266.0	61,700	21,700	98,100	71,200	144,500	120,800	182,200 *	150
160	59.1	260.1	54,400	16,400	88,200	62,600	131,500	109,000	168,100 *	160
170	56.8	253.7	47,900	11,800	79,600	55,200	120,100	98,600	155,300 *	170
180	54.4	246.6	42,200	7,800	72,000	48,500	110,100	89,500	143,900 *	180
190	52.0	238.9	37,100	4,100	65,300	42,600	101,200	81,300	133,700 *	190
200	49.4	230.5	32,600		59,300	37,300	93,300	73,900	124,500 *	200
210	46.8	221.3	28,500		53,800	32,500	86,100	67,300	116,200 *	210
220	44.0	211.2	24,800		48,900	28,200	79,600	61,200	108,600 *	220
230	41.1	200.0	21,400		44,400	24,200	73,700	55,700	101,700 *	230
240	38.0	187.6	17,800 *		40,300	20,500	68,300	50,700	95,400 *	240
250	34.7	173.6	14,300 *		36,500	17,100	63,400	46,000	89,500 *	250
260	31.0	157.7	11,100 *		32,600 *	13,900	58,800	41,700	84,100 *	260
270	26.9	139.1	8,100 *		28,800 *	11,000	54,500	37,600	78,500 *	270
280	22.1	116.4			25,200 *	8,200	50,600	33,800	70,300 *	280
290	15.9	86.1			21,700 *	5,500	46,200 *	30,100	61,800 *	290

16000 MAX-ER

ANSI B30.5



332,000 lb
+
120,000 lb



 ft	 °	 ft	 0 lb	 137,850 lb	 313,850 lb	 489,850 lb	 ft
			 lb	 lb	 lb	 lb	
50	82.5	320.5	279,800 *	207,500	279,800 *		50
55	81.6	319.8	279,800 *	179,100	279,800 *		55
60	80.6	318.9	264,700	156,100	279,800 *		60
65	79.7	318.0	235,000	137,200	279,800 *		65
70	78.8	317.0	210,500	121,300	279,800 *	235,900	70
75	77.9	315.9	189,900	107,900	269,700	213,800	75
80	76.9	314.7	172,300	96,200	246,200	194,800	80
85	76.0	313.4	157,100	86,100	226,000	178,200	85
90	75.0	312.1	143,900	77,300	208,300	163,700	90
95	74.1	310.6	132,300	69,400	192,800	150,800	95
100	73.1	309.1	122,000	62,400	179,000	139,300	100
105	72.2	307.5	112,800	56,100	166,800	129,000	105
110	71.2	305.7	104,500	50,500	155,800	119,800	110
115	70.3	303.9	97,100	45,300	145,800	111,400	115
120	69.3	302.0	90,300	40,600	136,800	103,700	120
125	68.3	300.0	84,200	36,300	128,600	96,700	125
130	67.3	297.9	78,500	32,400	121,000	90,200	130
135	66.3	295.7	73,300	28,800	114,100	84,300	135
140	65.3	293.4	68,500	25,400	107,700	78,800	140
145	64.3	290.9	64,100	22,300	101,800	73,700	145
150	63.3	288.4	60,000	19,400	96,300	69,000	150
160	61.2	283.0	52,600	14,200	86,500	60,500	160
170	59.1	277.1	46,100	9,600	77,900	53,000	170
180	56.9	270.7	40,400	5,500	70,300	46,300	180
190	54.7	263.7	35,400	1,800	63,500	40,400	190
200	52.4	256.1	30,800		57,500	35,100	200
210	50.1	247.9	26,700		52,000	30,300	210
220	47.7	239.0	23,000		47,100	25,900	220
230	45.1	229.2	19,100 *		42,600	21,900	230
240	42.4	218.5	15,400 *		38,500	18,300	240
250	39.6	206.7	11,900 *		34,400 *	14,900	250
260	36.6	193.7	8,700 *		30,300 *	11,800	260
270	33.4	179.0			26,500 *	8,900	270
280	29.9	162.4			23,000 *	6,100	280
290	25.9	142.9			19,600 *	3,600	290
300	21.2	119.2			16,500 *	40,200 *	300
310	15.2	87.4			13,400 *	36,300 *	310

58 HL



332,000 lb
+
120,000 lb

360°

36.1 ft

334.6 ft

ft	°	ft	137,850 lb		313,850 lb		489,850 lb		ft
			lb	lb	lb	lb	lb	lb	
50	82.9	340.4	207,700	237,700 *					50
55	82.1	339.7	179,000	237,700 *					55
60	81.2	338.9	155,800	237,700 *					60
65	80.3	338.0	136,700	237,700 *					65
70	79.5	337.1	120,700	237,700 *					70
75	78.6	336.0	107,100	237,500 *	213,500	237,500 *			75
80	77.7	334.9	95,400	237,400 *	194,300	237,400 *			80
85	76.8	333.7	85,300	225,100	177,600	237,100 *			85
90	75.9	332.5	76,300	207,400	163,000	237,000 *			90
95	75.1	331.1	68,400	191,900	150,100	235,800 *			95
100	74.2	329.7	61,400	178,100	138,500	234,500 *			100
105	73.3	328.1	55,100	165,800	128,200	231,000 *	201,600	233,300 *	105
110	72.4	326.5	49,400	154,800	118,900	218,000 *	188,600	232,000 *	110
115	71.5	324.9	44,200	144,800	110,400	206,100 *	176,800	230,700 *	115
120	70.6	323.1	39,500	135,800	102,700	195,100	166,100	229,400 *	120
125	69.6	321.2	35,200	127,600	95,700	184,200	156,400	224,000 *	125
130	68.7	319.2	31,200	120,000	89,200	174,300	147,400	213,700 *	130
135	67.8	317.2	27,600	113,100	83,200	165,200	139,100	204,100 *	135
140	66.9	315.0	24,200	106,700	77,700	156,700	131,500	195,100 *	140
145	65.9	312.7	21,100	100,800	72,600	148,900	124,400	186,800 *	145
150	65.0	310.4	18,200	95,300	67,900	141,700	117,800	179,000 *	150
160	63.1	305.4	12,900	85,500	59,300	128,700	105,900	164,900 *	160
170	61.1	299.9	8,300	76,800	51,800	117,300	95,500	152,200 *	170
180	59.1	294.0	4,200	69,200	45,100	107,300	86,200	140,800 *	180
190	57.1	287.7		62,500	39,200	98,400	78,000	130,600 *	190
200	55.0	280.8		56,400	33,900	90,500	70,600	121,400 *	200
210	52.9	273.3		51,000	29,100	83,300	64,000	113,100 *	210
220	50.7	265.2		46,100	24,700	76,800	58,000	105,600 *	220
230	48.4	256.5		41,600	20,700	70,900	52,400	98,700 *	230
240	46.1	247.1		37,500 *	17,100	65,600	47,400	92,400 *	240
250	43.6	236.8		33,100 *	13,700	60,600	42,800	86,600 *	250
260	41.0	225.5		29,000 *	10,600	56,100	38,500	81,200 *	260
270	38.3	213.2		25,200 *	7,700	51,700 *	34,500	76,200 *	270
280	35.4	199.5		21,700 *	5,000	47,200 *	30,800	71,600 *	280
290	32.3	184.2		18,400 *	2,500	43,000 *	27,300	67,200 *	290
300	28.8	166.8		15,300 *		39,100 *	24,100	61,900 *	300
310	25.0	146.5		12,400 *		35,400 *	21,000	55,400 *	310
320	20.4	121.8		9,600 *		31,800 *	18,000	48,900 *	320



58 HL



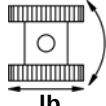
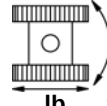
360°



36.1 ft



354.3 ft

			 137,850 lb		 313,850 lb		 489,850 lb		
			 lb	 lb	 lb	 lb	 lb	 lb	
55	82.5	359.6	178,000	205,100 *					55
60	81.7	358.8	154,600	205,000 *					60
65	80.9	358.0	135,400	204,900 *					65
70	80.1	357.1	119,300	204,700 *					70
75	79.2	356.1	105,600	204,700 *					75
80	78.4	355.1	93,800	204,400 *					80
85	77.6	354.0	83,500	203,800 *	176,200	203,800 *			85
90	76.7	352.8	74,500	202,700 *	161,500	202,700 *			90
95	75.9	351.5	66,600	190,300	148,500	201,600 *			95
100	75.1	350.1	59,500	176,500	136,900	200,400 *			100
105	74.2	348.7	53,100	164,300	126,500	199,300 *			105
110	73.4	347.2	47,400	153,200	117,100	198,200 *			110
115	72.5	345.6	42,200	143,200	108,600	197,100 *	175,200	197,100 *	115
120	71.7	344.0	37,500	134,200	100,900	193,500 *	164,500	195,900 *	120
125	70.8	342.2	33,100	125,900	93,800	182,600	154,600	194,800 *	125
130	70.0	340.4	29,200	118,400	87,300	172,700	145,600	193,600 *	130
135	69.1	338.4	25,500	111,500	81,300	163,500	137,300	192,500 *	135
140	68.2	336.4	22,100	105,100	75,800	155,100	129,600	191,400 *	140
145	67.3	334.3	19,000	99,100	70,700	147,300	122,500	184,900 *	145
150	66.5	332.1	16,100	93,700	65,900	140,000	115,900	177,100 *	150
160	64.7	327.4	10,800	83,800	57,300	127,000	104,000	163,000 *	160
170	62.9	322.4	6,200	75,200	49,800	115,700	93,500	150,400 *	170
180	61.0	316.9	2,100	67,600	43,100	105,700	84,300	139,000 *	180
190	59.1	311.0		60,800	37,100	96,800	76,000	128,800 *	190
200	57.2	304.6		54,800	31,800	88,800	68,600	119,600 *	200
210	55.3	297.8		49,300	27,000	81,600	62,000	111,300 *	210
220	53.3	290.5		44,400	22,600	75,100	55,900	103,800 *	220
230	51.2	282.5		39,900	18,600	69,300	50,400	96,900 *	230
240	49.1	274.0		35,200 *	15,000	63,900	45,400	90,600 *	240
250	46.9	264.8		30,800 *	11,600	58,900	40,700	84,800 *	250
260	44.6	254.8		26,700 *	8,500	54,300 *	36,400	79,400 *	260
270	42.2	244.0		23,000 *	5,600	49,500 *	32,500	74,400 *	270
280	39.7	232.2		19,500 *	3,000	45,000 *	28,800	69,800 *	280
290	37.1	219.3		16,200 *		40,800 *	25,300	65,500 *	290
300	34.3	205.1		13,100 *		36,900 *	22,100	60,700 *	300
310	31.2	189.2		10,300 *		33,300 *	19,100	56,300 *	310
320	27.9	171.1		7,500 *		29,800 *	16,200	51,100 *	320
330	24.1	150.0				26,500 *	13,500	45,200 *	330
340	19.6	124.3				23,400 *	10,900	39,400 *	340

58 HL



332,000 lb
+
120,000 lb

360°

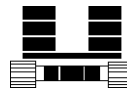
36.1 ft

374.0 ft

 ft	 °	 ft	137,850 lb		313,850 lb		489,850 lb		 ft
			 lb	 lb	 lb	 lb	 lb	 lb	
60	82.1	378.7	154,000	175,700 *					60
65	81.4	378.0	134,600	175,500 *					65
70	80.6	377.1	118,400	175,400 *					70
75	79.8	376.2	104,600	175,100 *					75
80	79.0	375.2	92,700	174,900 *					80
85	78.2	374.1	82,400	173,900 *					85
90	77.5	373.0	73,300	172,900 *					90
95	76.7	371.8	65,300	171,800 *	147,500	171,800 *			95
100	75.9	370.5	58,200	170,800 *	135,800	170,800 *			100
105	75.1	369.2	51,800	163,100	125,400	169,800 *			105
110	74.3	367.8	46,100	152,100	115,900	168,700 *			110
115	73.5	366.3	40,900	142,100	107,400	167,700 *			115
120	72.7	364.7	36,100	133,000	99,600	166,700 *			120
125	71.9	363.0	31,800	124,800	92,500	165,600 *			125
130	71.1	361.3	27,800	117,200	86,000	164,600 *	144,500	164,600 *	130
135	70.3	359.5	24,100	110,300	80,000	162,300	136,100	163,600 *	135
140	69.4	357.6	20,700	103,900	74,500	153,900	128,400	162,500 *	140
145	68.6	355.6	17,500	98,000	69,300	146,100	121,300	161,500 *	145
150	67.8	353.6	14,600	92,500	64,600	138,900	114,700	160,500 *	150
160	66.1	349.2	9,300	82,600	55,900	125,900	102,700	158,400 *	160
170	64.4	344.5	4,700	74,000	48,400	114,500	92,200	149,100 *	170
180	62.7	339.4		66,400	41,700	104,500	82,900	137,700 *	180
190	60.9	333.9		59,600	35,700	95,600	74,700	127,500 *	190
200	59.2	328.0		53,600	30,400	87,600	67,300	118,300 *	200
210	57.4	321.6		48,100	25,600	80,400	60,600	110,000 *	210
220	55.5	314.8		43,200	21,200	74,000	54,600	102,500 *	220
230	53.6	307.6		38,300 *	17,200	68,100	49,100	95,600 *	230
240	51.7	299.8		33,600 *	13,600	62,700	44,000	89,300 *	240
250	49.7	291.4		29,200 *	10,200	57,800	39,400	83,500 *	250
260	47.6	282.4		25,200 *	7,100	52,800 *	35,100	78,200 *	260
270	45.5	272.7		21,400 *	4,200	48,000 *	31,100	73,200 *	270
280	43.3	262.3		17,900 *	1,600	43,500 *	27,400	68,600 *	280
290	41.0	251.0		14,700 *		39,300 *	24,000	64,000 *	290
300	38.5	238.7		11,600 *		35,500 *	20,800	59,300 *	300
310	36.0	225.3		8,800 *		31,800 *	17,800	54,800 *	310
320	33.2	210.5				28,400 *	15,000	50,700 *	320
330	30.3	193.9				25,100 *	12,300	46,700 *	330
340	27.0	175.1				22,000 *	9,700	42,000 *	340
350	23.3	153.3				19,100 *	7,300	36,700 *	350
360	18.9	126.6				16,300 *	5,000	27,800 *	360



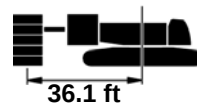
58 HL



332,000 lb
+
120,000 lb



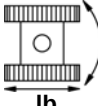
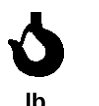
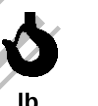
360°



36.1 ft



393.7 ft

 ft	 °	 ft	 313,850 lb		 489,850 lb		 ft
			 lb	 lb	 lb	 lb	
105	75.8	389.6	123,100	146,800 *			105
110	75.1	388.2	113,600	145,800 *			110
115	74.3	386.8	105,000	144,900 *			115
120	73.6	385.3	97,200	142,000 *			120
125	72.8	383.8	90,100	140,000 *			125
130	72.0	382.1	83,600	138,000 *			130
135	71.3	380.4	77,500	136,000 *			135
140	70.5	378.6	72,000	134,000 *			140
145	69.7	376.8	66,800	132,000 *			145
150	68.9	374.8	62,000	130,000 *	112,200	130,000 *	150
160	67.4	370.7	53,400	123,800	100,200	126,000 *	160
170	65.8	366.2	45,800	112,400	89,700	122,000 *	170
180	64.2	361.5	39,100	102,300	80,400	118,000 *	180
190	62.5	356.3	33,100	93,400	72,100	114,000 *	190
200	60.9	350.8	27,800	85,500	64,700	110,000 *	200
210	59.2	344.9	22,900	78,300	58,000	106,000 *	210
220	57.5	338.6	18,600	71,800	52,000	100,300 *	220
230	55.7	331.9	14,600	65,900	46,400	93,400 *	230
240	53.9	324.7	10,900	60,600	41,400	87,100 *	240
250	52.1	317.0	7,600	55,100 *	36,800	81,300 *	250
260	50.2	308.8	4,500	49,900 *	32,500	75,900 *	260
270	48.3	300.0	1,600	45,100 *	28,500	71,000 *	270
280	46.3	290.5		40,700 *	24,800	66,300 *	280
290	44.2	280.4		36,500 *	21,400	61,200 *	290
300	42.0	269.5		32,600 *	18,200	56,500 *	300
310	39.8	257.7		29,000 *	15,200	52,100 *	310
320	37.4	245.0		25,600 *	12,400	47,900 *	320
330	34.9	231.0		22,400 *	9,700	44,000 *	330
340	32.3	215.6		19,300 *	7,200	40,300 *	340
350	29.4	198.5		16,400 *	4,800	36,800 *	350
360	26.2	179.0		13,700 *	2,600	32,200 *	360
370	22.6	156.4		11,100 *		27,500 *	370
380	18.3	128.7		8,500 *		22,600 *	380