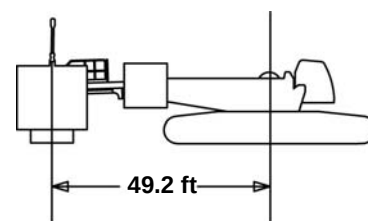


Liftcrane Boom Capacities

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 49.2 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.



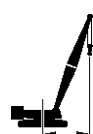
HANGING COUNTERWEIGHT: Hanging counterweight must be attached to machine and MAX-ER mode must be selected to operate. Exit MAX-ER mode before operating without hanging counterweight.



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.

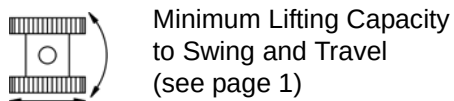
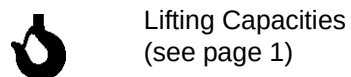
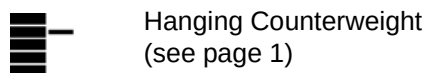
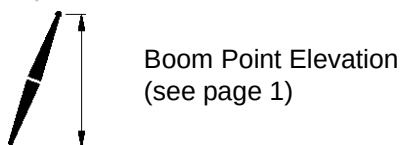
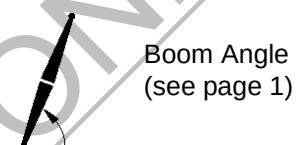
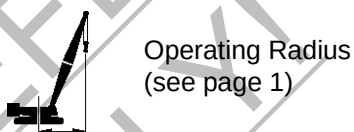
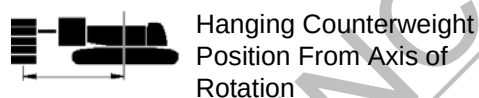
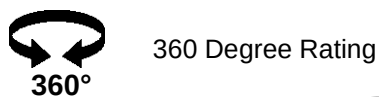
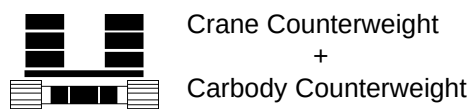
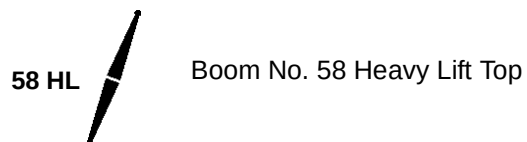
WARNING: Check amount of crane counterweight and hanging counterweight on machine before use of this chart. Refer to Operator's Manual for counterweight identification.

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	
393.7 ft	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.	

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

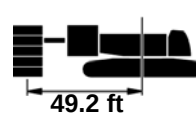
360°

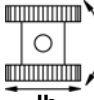
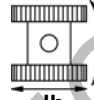
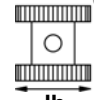
49.2 ft



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 *	617,000	837,400 *					26
28	82.0	144.7	704,000 *	556,100	837,400 *					28
30	81.1	144.3	658,000 *	505,500	817,300 *					30
32	80.3	143.9	617,500 *	462,800	767,400 *					32
34	79.5	143.5	581,400 *	426,300	723,000 *					34
36	78.6	143.1	547,000 *	394,700	683,300 *	709,700	837,400 *			36
38	77.7	142.6	514,600 *	367,100	647,500 *	662,100	802,100 *			38
40	76.9	142.1	485,700 *	342,800	615,100 *	620,100	762,300 *			40
45	74.7	140.7	410,400	293,000	546,200 *	534,300	677,800 *			45
50	72.5	139.1	351,300	254,600	490,400 *	468,100	609,400 *			50
55	70.3	137.2	306,000	224,100	443,300 *	415,500	553,000 *			55
60	68.1	135.2	270,200	199,200	402,000 *	372,700	505,700 *			60
65	65.8	132.9	241,200	178,600	367,300 *	337,200	465,400 *	496,000	557,500 *	65
70	63.5	130.3	217,200	161,200	332,800	307,200	430,600 *	453,400	516,400 *	70
75	61.1	127.5	197,000	146,300	303,400	281,600	400,400 *	417,100	480,600 *	75
80	58.6	124.4	179,800	133,500	278,300	259,500	373,800 *	385,700	449,100 *	80
85	56.1	121.0	165,000	122,200	256,700	240,100	350,300 *	358,200	421,300 *	85
90	53.5	117.3	152,000	112,300	237,800	223,100	329,300 *	334,000	396,500 *	90
95	50.8	113.2	140,600	103,500	221,300	207,900	309,800 *	312,500	374,200 *	95
100	48.0	108.7	130,500	95,600	206,500	194,400	292,100 *	293,300	354,100 *	100
105	45.1	103.7	121,500	88,400	193,400	182,200	276,100 *	276,000	335,800 *	105
110	42.0	98.1	113,300	82,000	181,600	171,100	261,600 *	260,400	319,200 *	110
115	38.7	91.8	106,000	76,100	170,900	161,000	248,300 *	246,100	303,900 *	115
120	35.1	84.8	99,300	70,700	161,200	151,800	236,200 *	233,100	289,900 *	120
125	31.1	76.6	93,200	65,700	152,400	143,300	224,300	221,100	277,000 *	125
130	26.5	66.9	87,600	61,100	144,200	135,400	213,100	209,900	265,100 *	130
135	21.0	54.6	82,400	56,700	136,700	128,100	202,800	199,500	253,900 *	135



										
			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 *	562,900	749,700 *					28
30	82.3	164.3	657,000 *	511,200	749,700 *					30
32	81.5	164.0	616,400 *	467,600	749,700 *					32
34	80.8	163.6	580,300 *	430,300	721,900 *					34
36	80.0	163.2	546,300 *	398,100	682,200 *					36
38	79.3	162.8	513,900 *	370,000	646,400 *	667,500	749,700 *			38
40	78.6	162.4	484,900 *	345,300	614,000 *	624,900	749,700 *			40
45	76.7	161.1	410,800	294,700	545,000 *	537,700	676,700 *			45
50	74.8	159.7	351,400	255,700	489,300 *	470,600	608,300 *			50
55	72.9	158.2	306,000	224,800	442,500 *	417,400	551,900 *			55
60	71.0	156.4	270,100	199,600	401,100 *	374,100	504,500 *			60
65	69.0	154.4	241,000	178,700	366,400 *	338,200	464,200 *	497,900	556,300 *	65
70	67.0	152.3	216,900	161,200	332,500	307,900	429,500 *	455,000	515,200 *	70
75	65.0	149.9	196,700	146,100	303,100	282,100	399,300 *	418,300	479,400 *	75
80	63.0	147.3	179,400	133,100	277,900	259,800	372,700 *	386,600	448,000 *	80
85	60.9	144.5	164,500	121,800	256,200	240,300	349,200 *	359,000	420,200 *	85
90	58.7	141.4	151,500	111,800	237,300	223,100	328,200 *	334,600	395,300 *	90
95	56.6	138.1	140,100	102,900	220,700	207,800	308,800 *	313,000	373,000 *	95
100	54.3	134.4	129,900	94,900	206,000	194,200	291,100 *	293,700	352,900 *	100
105	52.0	130.5	120,900	87,800	192,800	182,000	275,100 *	276,300	334,700 *	105
110	49.6	126.2	112,700	81,300	181,000	170,900	260,600 *	260,600	318,100 *	110
115	47.1	121.5	105,400	75,400	170,300	160,800	247,400 *	246,300	302,900 *	115
120	44.5	116.4	98,700	70,000	160,600	151,600	235,300 *	233,200	288,900 *	120
125	41.8	110.8	92,600	65,000	151,800	143,100	223,800	221,300	276,000 *	125
130	38.9	104.6	87,000	60,500	143,700	135,300	212,600	210,300	264,100 *	130
135	35.8	97.7	81,800	56,200	136,200	128,100	202,300	200,100	253,000 *	135
140	32.4	89.9	77,100	52,300	129,300	121,400	192,800	190,600	242,700 *	140
145	28.7	81.0	72,700	48,600	122,900	115,100	184,000	181,700	233,100 *	145
150	24.4	70.3	68,500	45,100	116,900	109,200	175,900	173,400	224,100 *	150

58 HL



332,000 lb
+
120,000 lb

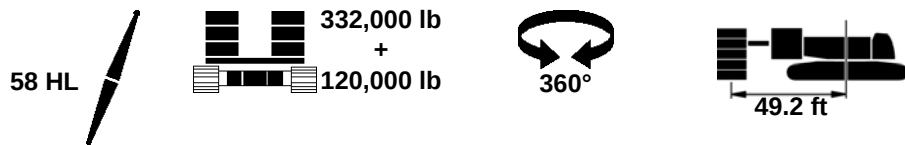
360°

49.2 ft



177.2 ft

			 0 lb	 137,850 lb		 313,850 lb		 489,850 lb		
			 lb	 lb	 lb	 lb	 lb	 lb	 lb	
32	82.5	183.9	614,900 *	471,700	688,600 *					32
34	81.8	183.6	578,800 *	433,700	688,100 *					34
36	81.2	183.2	545,300 *	400,900	680,800 *					36
38	80.5	182.9	512,900 *	372,300	645,000 *					38
40	79.9	182.5	483,900 *	347,200	612,600 *					40
45	78.2	181.4	410,700	295,800	543,700 *	540,700	675,300 *			45
50	76.5	180.2	351,200	256,400	487,900 *	472,700	606,900 *			50
55	74.9	178.8	305,700	225,000	441,300 *	418,800	550,500 *			55
60	73.2	177.2	269,600	199,600	400,000 *	375,100	503,200 *			60
65	71.5	175.5	240,500	178,500	365,200 *	338,800	462,900 *	499,400	555,000 *	65
70	69.7	173.6	216,300	160,800	331,900	308,300	428,200 *	456,100	513,900 *	70
75	68.0	171.6	196,000	145,600	302,400	282,200	397,900 *	419,100	478,100 *	75
80	66.2	169.3	178,700	132,500	277,200	259,700	371,400 *	387,200	446,700 *	80
85	64.4	166.9	163,800	121,000	255,500	240,100	347,900 *	359,300	418,800 *	85
90	62.6	164.3	150,800	110,900	236,600	222,800	326,900 *	334,800	394,000 *	90
95	60.7	161.4	139,300	102,000	219,900	207,400	307,600 *	313,000	371,700 *	95
100	58.8	158.4	129,100	94,000	205,200	193,700	290,000 *	293,600	351,600 *	100
105	56.9	155.1	120,100	86,800	192,000	181,400	274,000 *	276,100	333,400 *	105
110	54.9	151.5	111,900	80,300	180,200	170,200	259,500 *	260,400	316,800 *	110
115	52.9	147.7	104,500	74,400	169,500	160,100	246,200 *	246,000	301,600 *	115
120	50.8	143.6	97,900	69,000	159,800	150,900	234,100 *	232,900	287,600 *	120
125	48.6	139.2	91,800	64,000	150,900	142,400	222,900	220,900	274,700 *	125
130	46.4	134.4	86,200	59,400	142,800	134,600	211,700	209,900	262,800 *	130
135	44.1	129.2	81,000	55,200	135,400	127,400	201,500	199,700	251,800 *	135
140	41.6	123.6	76,300	51,300	128,500	120,700	192,000	190,300	241,500 *	140
145	39.1	117.4	71,800	47,600	122,100	114,500	183,200	181,500	231,900 *	145
150	36.3	110.6	67,700	44,200	116,200	108,700	175,100	173,300	223,000 *	150
160	30.2	94.7	60,300	37,900	105,500	98,100	160,400	158,400	206,600 *	160
170	22.6	73.4	53,800	32,300	96,100	88,700	147,500	145,100	192,100 *	170

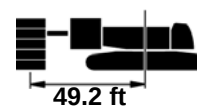


 ft	 °	 ft	 0 lb	 137,850 lb	 313,850 lb	 489,850 lb	 ft
			 lb	 lb	 lb	 lb	
34	82.6	203.5	577,200 *	436,800	623,600 *		34
36	82.1	203.2	544,000 *	403,400	623,200 *		36
38	81.5	202.9	511,600 *	374,400	622,700 *		38
40	80.9	202.5	482,600 *	348,800	611,000 *		40
45	79.4	201.6	410,400	296,700	542,000 *	543,200	45
50	77.9	200.4	350,700	256,700	486,300 *	605,300 *	50
55	76.4	199.2	305,000	225,000	440,000 *	548,900 *	55
60	74.9	197.8	268,900	199,300	398,600 *	501,600 *	60
65	73.4	196.3	239,700	178,000	363,800 *	461,300 *	65
70	71.8	194.6	215,500	160,000	331,100	426,600 *	70
75	70.3	192.8	195,100	144,700	301,500	419,500	75
80	68.7	190.8	177,800	131,500	276,300	387,400	80
85	67.1	188.7	162,800	120,000	254,600	359,300	85
90	65.5	186.4	149,800	109,800	235,600	334,600	90
95	63.9	183.9	138,300	100,800	218,900	312,700	95
100	62.3	181.2	128,100	92,800	204,100	293,200	100
105	60.6	178.4	119,000	85,500	190,900	275,600	105
110	58.9	175.3	110,800	79,000	179,100	259,700	110
115	57.2	172.1	103,500	73,000	168,400	245,300	115
120	55.4	168.6	96,800	67,600	158,700	232,200	120
125	53.6	164.9	90,600	62,600	149,800	220,100	125
130	51.7	160.9	85,000	58,000	141,700	209,100	130
135	49.8	156.6	79,900	53,800	134,200	198,900	135
140	47.8	152.1	75,100	49,800	127,300	189,400	140
145	45.8	147.2	70,700	46,200	121,000	180,600	145
150	43.7	142.0	66,600	42,800	115,100	172,400	150
160	39.2	130.2	59,300	36,600	104,400	157,600	160
170	34.2	116.2	52,800	31,100	95,100	144,500	170
180	28.4	99.0	47,000	26,200	86,800	132,900	180
190	21.1	76.2	41,800	21,700	79,400	122,300	190

58 HL



332,000 lb
+
120,000 lb

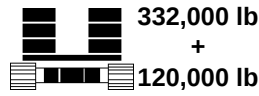


216.5 ft

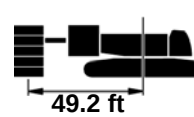
			 0 lb	 137,850 lb		 313,850 lb		 489,850 lb		
			 lb	 lb	 lb	 lb	 lb	 lb	 lb	
36	82.8	223.1	543,700 *	406,900	553,800 *					36
38	82.3	222.8	511,200 *	377,400	553,800 *					38
40	81.7	222.5	482,200 *	351,500	553,800 *					40
45	80.4	221.6	410,700	298,600	541,400 *					45
50	79.0	220.6	351,000	258,100	485,700 *	477,100	545,600 *			50
55	77.7	219.5	305,200	226,100	439,500 *	422,100	538,200 *			55
60	76.3	218.2	269,000	200,100	398,200 *	377,400	501,000 *			60
65	74.9	216.9	239,700	178,600	363,400 *	340,500	460,700 *			65
70	73.6	215.4	215,500	160,500	331,100	309,400	426,000 *	458,600	511,700 *	70
75	72.2	213.7	195,100	145,100	301,500	283,000	395,800 *	421,100	476,000 *	75
80	70.8	211.9	177,700	131,800	276,200	260,100	369,200 *	388,700	444,500 *	80
85	69.3	210.0	162,700	120,100	254,500	240,200	345,700 *	360,400	416,700 *	85
90	67.9	208.0	149,600	109,900	235,500	222,700	324,800 *	335,600	391,900 *	90
95	66.5	205.8	138,100	100,800	218,800	207,100	305,800 *	313,600	369,700 *	95
100	65.0	203.4	127,900	92,700	204,000	193,200	288,100 *	293,900	349,600 *	100
105	63.5	200.9	118,800	85,500	190,800	180,800	272,100 *	276,200	331,400 *	105
110	62.0	198.2	110,700	78,900	178,900	169,500	257,600 *	260,300	314,800 *	110
115	60.5	195.3	103,300	72,900	168,200	159,300	244,400 *	245,800	299,600 *	115
120	58.9	192.3	96,600	67,500	158,500	150,000	232,300 *	232,600	285,600 *	120
125	57.4	189.1	90,500	62,500	149,600	141,400	221,200 *	220,500	272,800 *	125
130	55.8	185.6	84,900	57,900	141,500	133,600	210,400	209,400	260,900 *	130
135	54.1	182.0	79,700	53,600	134,100	126,300	200,200	199,200	249,800 *	135
140	52.5	178.1	75,000	49,700	127,200	119,600	190,700	189,700	239,600 *	140
145	50.7	174.0	70,500	46,000	120,800	113,400	181,900	180,900	230,000 *	145
150	49.0	169.6	66,500	42,600	114,900	107,600	173,800	172,700	221,100 *	150
160	45.3	160.0	59,100	36,400	104,200	97,100	159,200	157,900	204,800 *	160
170	41.4	149.1	52,600	31,000	94,900	87,900	146,400	144,800	190,500 *	170
180	37.1	136.4	46,900	26,100	86,700	79,600	135,000	133,200	177,600 *	180
190	32.3	121.4	41,800	21,700	79,300	72,200	125,000	122,900	165,800 *	190
200	26.8	103.0	37,200	17,700	72,700	65,500	115,900	113,400	155,200 *	200
210	19.8	78.6	33,000	14,000	66,700	59,400	107,800	104,800	145,500 *	210



58 HL



360°



49.2 ft



236.2 ft

 ft	 °	 ft	 0 lb	 137,850 lb	 313,850 lb	 489,850 lb	 ft
			 lb	 lb	 lb	 lb	
38	82.9	242.7	502,300 *	379,100	502,300 *		38
40	82.4	242.4	480,700 *	352,800	502,300 *		40
45	81.2	241.6	410,100	299,200	497,600 *		45
50	80.0	240.7	350,200	258,200	483,900 *		50
55	78.7	239.7	304,300	225,700	437,900 *		55
60	77.5	238.5	268,000	199,500	396,600 *		60
65	76.2	237.3	238,700	177,800	361,800 *		65
70	75.0	235.9	214,400	159,500	330,000		70
75	73.7	234.4	193,900	143,900	300,300		75
80	72.4	232.8	176,500	130,500	275,000		80
85	71.1	231.1	161,500	118,800	253,200		85
90	69.8	229.2	148,400	108,500	234,200		90
95	68.5	227.2	136,900	99,400	217,500		95
100	67.2	225.1	126,700	91,200	202,700		100
105	65.9	222.8	117,500	83,900	189,500		105
110	64.5	220.4	109,300	77,300	177,600		110
115	63.2	217.9	101,900	71,300	166,900		115
120	61.8	215.1	95,200	65,800	157,100		120
125	60.4	212.3	89,100	60,800	148,300		125
130	59.0	209.2	83,500	56,200	140,100		130
135	57.5	206.0	78,300	51,900	132,700		135
140	56.1	202.7	73,600	47,900	125,800		140
145	54.6	199.1	69,200	44,300	119,400		145
150	53.1	195.3	65,100	40,900	113,500		150
160	49.9	187.1	57,700	34,700	102,800		160
170	46.6	177.9	51,200	29,200	93,500		170
180	43.1	167.5	45,500	24,400	85,300		180
190	39.4	155.7	40,400	20,000	78,000		190
200	35.3	142.1	35,900	16,100	71,400		200
210	30.7	126.2	31,700	12,500	65,500		210
220	25.4	106.7	28,000	9,200	60,100		220
230	18.7	80.8	24,500	6,000	55,100		230



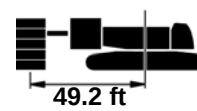
ANSI B30.5

16000 MAX-ER

58 HL

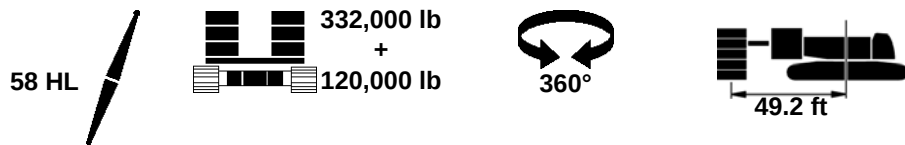


332,000 lb
+
120,000 lb



255.9 ft

 ft	 °	 ft	 0 lb	 137,850 lb		 313,850 lb		 489,850 lb		 ft
			lb	lb	lb	lb	lb	lb	lb	
40	83.0	262.3	452,300 *	354,800	452,300 *					40
45	81.9	261.6	409,900	300,400	449,300 *					45
50	80.7	260.7	349,800	258,800	445,500 *					50
55	79.6	259.8	303,800	226,000	436,700 *					55
60	78.5	258.7	267,500	199,400	395,500 *	378,500	437,800 *			60
65	77.3	257.6	238,000	177,400	360,700 *	340,800	434,000 *			65
70	76.1	256.3	213,600	159,000	329,300	309,200	423,000 *			70
75	75.0	254.9	193,200	143,300	299,600	282,300	392,700 *			75
80	73.8	253.5	175,700	129,800	274,200	259,100	366,200 *			80
85	72.6	251.9	160,600	118,000	252,400	238,900	342,700 *	360,000	413,700 *	85
90	71.5	250.2	147,500	107,600	233,400	221,100	321,800 *	334,900	388,900 *	90
95	70.3	248.4	136,000	98,400	216,600	205,400	303,000 *	312,600	366,600 *	95
100	69.1	246.4	125,700	90,200	201,800	191,400	285,300 *	292,700	346,500 *	100
105	67.9	244.4	116,600	82,800	188,500	178,800	269,300 *	274,800	328,300 *	105
110	66.6	242.2	108,400	76,200	176,600	167,400	254,800 *	258,700	311,700 *	110
115	65.4	239.9	101,000	70,100	165,900	157,100	241,600 *	244,100	296,600 *	115
120	64.2	237.4	94,300	64,600	156,200	147,600	229,500 *	230,800	282,600 *	120
125	62.9	234.8	88,100	59,600	147,300	139,000	218,400 *	218,600	269,800 *	125
130	61.6	232.1	82,500	55,000	139,200	131,100	208,100	207,400	257,900 *	130
135	60.3	229.2	77,300	50,700	131,700	123,800	197,800	197,100	246,900 *	135
140	59.0	226.2	72,600	46,700	124,800	117,100	188,300	187,500	236,600 *	140
145	57.7	223.0	68,200	43,000	118,400	110,800	179,500	178,700	227,100 *	145
150	56.3	219.7	64,100	39,600	112,500	105,000	171,400	170,400	218,200 *	150
160	53.6	212.4	56,700	33,400	101,800	94,400	156,800	155,600	202,000 *	160
170	50.7	204.4	50,200	28,000	92,500	85,200	144,000	142,500	187,600 *	170
180	47.7	195.5	44,600	23,100	84,300	77,000	132,700	130,900	174,800 *	180
190	44.6	185.6	39,500	18,800	77,000	69,600	122,600	120,600	163,200 *	190
200	41.2	174.5	34,900	14,900	70,400	63,000	113,700	111,300	152,600 *	200
210	37.6	162.0	30,800	11,300	64,500	57,100	105,600	102,900	143,100 *	210
220	33.7	147.6	27,100	8,100	59,200	51,600	98,200	95,200	134,300 *	220
230	29.3	130.7	23,700	5,100	54,300	46,600	91,500	88,200	126,400 *	230
240	24.2	110.2	20,500	2,300	49,800	42,000	85,400	81,700	119,000 *	240
250	17.7	82.8	17,100 *		45,600	37,600	79,700	75,600	112,100 *	250



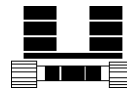
 ft	 °	 ft	 0 lb	 137,850 lb	 313,850 lb	 489,850 lb	 ft
			 lb	 lb	 lb	 lb	
45	82.5	281.5	390,300 *	300,800	390,300 *		45
50	81.4	280.7	349,000	258,700	390,300 *		50
55	80.3	279.8	302,800	225,500	390,300 *		55
60	79.3	278.9	266,400	198,700	390,300 *		60
65	78.2	277.8	236,800	176,500	359,000 *	340,600	65
70	77.2	276.6	212,400	157,900	328,000	386,100 *	70
75	76.1	275.4	191,900	142,000	298,300	380,100 *	75
80	75.0	274.0	174,400	128,400	272,900	364,300 *	80
85	73.9	272.5	159,300	116,500	251,000	340,900 *	85
90	72.8	271.0	146,100	106,100	232,000	319,900 *	90
95	71.7	269.3	134,600	96,800	215,200	301,100 *	95
100	70.6	267.5	124,300	88,500	200,400	283,600 *	100
105	69.5	265.6	115,200	81,100	187,100	267,600 *	105
110	68.4	263.6	106,900	74,400	175,200	253,100 *	110
115	67.3	261.5	99,500	68,400	164,400	239,900 *	115
120	66.1	259.2	92,800	62,800	154,700	227,800 *	120
125	65.0	256.9	86,600	57,700	145,800	216,600 *	125
130	63.8	254.4	81,000	53,100	137,600	206,400 *	130
135	62.7	251.8	75,800	48,800	130,200	196,300	135
140	61.5	249.1	71,000	44,800	123,300	186,800	140
145	60.3	246.2	66,600	41,100	116,900	178,000	145
150	59.1	243.2	62,500	37,700	111,000	169,900	150
160	56.6	236.7	55,200	31,500	100,300	155,200	160
170	54.0	229.6	48,700	26,000	91,000	142,400	170
180	51.4	221.7	43,000	21,200	82,800	131,100	180
190	48.6	213.1	37,900	16,800	75,400	121,100	190
200	45.8	203.6	33,400	12,900	68,900	112,100	200
210	42.7	193.0	29,300	9,400	63,000	104,000	210
220	39.5	181.2	25,500	6,200	57,600	96,700	220
230	36.1	168.0	22,100	3,200	52,800	90,000	230
240	32.3	152.8	18,700 *		48,300	83,900	240
250	28.1	135.0	15,200 *		44,200	78,300	250
260	23.1	113.4	11,900 *		40,400	73,100	260
270	16.8	84.5	8,800 *		36,700 *	68,200	270



ANSI B30.5

16000 MAX-ER

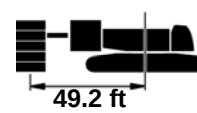
58 HL

332,000 lb
+
120,000 lb



360°



49.2 ft

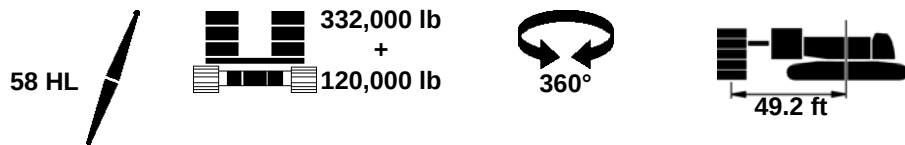


295.3 ft

										
			0 lb	137,850 lb		313,850 lb		489,850 lb		
ft	°	ft	 lb	 lb	 lb	 lb	 lb	 lb	 lb	ft
45	83.0	301.4	327,200 *							45
50	82.0	300.6	327,200 *	259,400	327,200 *					50
55	81.0	299.8	302,400	225,900	327,200 *					55
60	80.0	298.9	265,900	198,800	327,200 *					60
65	79.0	297.9	236,300	176,400	327,200 *					65
70	78.0	296.8	211,800	157,600	327,200 *					70
75	77.0	295.7	191,300	141,700	297,600	281,800	324,100 *			75
80	76.0	294.4	173,700	127,900	272,300	258,200	319,100 *			80
85	75.0	293.0	158,600	116,000	250,400	237,700	314,300 *			85
90	74.0	291.6	145,400	105,400	231,300	219,700	309,700 *			90
95	73.0	290.0	133,800	96,100	214,500	203,800	300,100 *			95
100	72.0	288.4	123,600	87,800	199,600	189,600	282,600 *			100
105	71.0	286.6	114,400	80,400	186,400	176,900	266,600 *			105
110	69.9	284.8	106,200	73,600	174,400	165,400	252,100 *	257,300	292,300 *	110
115	68.9	282.8	98,700	67,500	163,700	155,000	238,900 *	242,500	288,200 *	115
120	67.8	280.8	92,000	62,000	153,900	145,500	226,800 *	229,100	279,800 *	120
125	66.8	278.6	85,800	56,900	145,000	136,800	215,700 *	216,800	266,900 *	125
130	65.7	276.3	80,200	52,200	136,900	128,800	205,400 *	205,500	255,100 *	130
135	64.6	273.9	75,000	47,900	129,400	121,400	195,500	195,100	244,100 *	135
140	63.5	271.4	70,300	43,900	122,500	114,600	186,000	185,500	233,800 *	140
145	62.4	268.8	65,800	40,200	116,100	108,300	177,200	176,600	224,300 *	145
150	61.3	266.0	61,700	36,800	110,200	102,500	169,100	168,300	215,400 *	150
160	59.1	260.1	54,400	30,500	99,500	91,900	154,400	153,300	199,200 *	160
170	56.8	253.7	47,900	25,100	90,200	82,600	141,600	140,200	184,900 *	170
180	54.4	246.6	42,200	20,200	82,000	74,300	130,300	128,500	172,100 *	180
190	52.0	238.9	37,100	15,900	74,700	67,000	120,300	118,200	160,600 *	190
200	49.4	230.5	32,600	12,000	68,100	60,400	111,300	108,900	150,000 *	200
210	46.8	221.3	28,500	8,500	62,200	54,400	103,300	100,500	140,500 *	210
220	44.0	211.2	24,800	5,200	56,900	49,000	96,000	92,900	131,800 *	220
230	41.1	200.0	21,400	2,300	52,000	44,100	89,300	85,900	123,900 *	230
240	38.0	187.6	17,800 *		47,600	39,500	83,200	79,500	116,600 *	240
250	34.7	173.6	14,300 *		43,500	35,300	77,600	73,600	109,900 *	250
260	31.0	157.7	11,100 *		39,700	31,400	72,500	68,200	103,700 *	260
270	26.9	139.1	8,100 *		36,000 *	27,800	67,700	63,100	97,900 *	270
280	22.1	116.4			32,100 *	24,300	63,200	58,300	92,600 *	280
290	15.9	86.1			28,400 *	21,000	59,000	53,700	84,100 *	290

16000 MAX-ER

ANSI B30.5



										
										
ft	°	ft	lb	lb	lb	lb	lb	lb	lb	ft
50	82.5	320.5	279,800 *							50
55	81.6	319.8	279,800 *	225,300	279,800 *					55
60	80.6	318.9	264,700	197,900	279,800 *					60
65	79.7	318.0	235,000	175,300	279,800 *					65
70	78.8	317.0	210,500	156,300	279,800 *					70
75	77.9	315.9	189,900	140,200	279,800 *					75
80	76.9	314.7	172,300	126,300	270,800					80
85	76.0	313.4	157,100	114,300	248,900	236,500	279,800 *			85
90	75.0	312.1	143,900	103,700	229,700	218,300	279,800 *			90
95	74.1	310.6	132,300	94,300	212,900	202,300	279,500 *			95
100	73.1	309.1	122,000	85,900	198,000	188,000	278,900 *			100
105	72.2	307.5	112,800	78,400	184,700	175,200	264,700 *			105
110	71.2	305.7	104,500	71,600	172,800	163,600	250,200 *			110
115	70.3	303.9	97,100	65,500	162,000	153,100	237,000 *	240,900	274,500 *	115
120	69.3	302.0	90,300	59,900	152,200	143,600	224,900 *	227,400	273,100 *	120
125	68.3	300.0	84,200	54,800	143,300	134,900	213,700 *	215,100	264,900 *	125
130	67.3	297.9	78,500	50,100	135,200	126,800	203,500 *	203,700	253,000 *	130
135	66.3	295.7	73,300	45,700	127,700	119,400	193,800	193,300	242,000 *	135
140	65.3	293.4	68,500	41,700	120,800	112,600	184,300	183,600	231,800 *	140
145	64.3	290.9	64,100	38,000	114,400	106,300	175,500	174,700	222,300 *	145
150	63.3	288.4	60,000	34,500	108,400	100,400	167,300	166,300	213,400 *	150
160	61.2	283.0	52,600	28,300	97,800	89,800	152,700	151,300	197,200 *	160
170	59.1	277.1	46,100	22,800	88,400	80,400	139,900	138,100	182,800 *	170
180	56.9	270.7	40,400	17,900	80,200	72,200	128,600	126,500	170,100 *	180
190	54.7	263.7	35,400	13,600	72,900	64,800	118,500	116,100	158,600 *	190
200	52.4	256.1	30,800	9,700	66,300	58,200	109,600	106,800	148,100 *	200
210	50.1	247.9	26,700	6,200	60,500	52,200	101,500	98,400	138,600 *	210
220	47.7	239.0	23,000	3,000	55,100	46,800	94,200	90,800	129,900 *	220
230	45.1	229.2	19,100 *		50,300	41,900	87,500	83,800	122,000 *	230
240	42.4	218.5	15,400 *		45,800	37,400	81,500	77,400	114,700 *	240
250	39.6	206.7	11,900 *		41,700	33,200	75,900	71,600	108,000 *	250
260	36.6	193.7	8,700 *		37,800 *	29,300	70,700	66,100	101,900 *	260
270	33.4	179.0			33,700 *	25,700	66,000	61,100	96,100 *	270
280	29.9	162.4			29,900 *	22,400	61,600	56,400	90,800 *	280
290	25.9	142.9			26,300 *	19,200	57,400	52,000	85,800 *	290
300	21.2	119.2			22,900 *	16,200	53,600	47,800	81,100 *	300
310	15.2	87.4			19,700 *	13,300	49,500 *	43,800	72,200 *	310

58 HL



332,000 lb
+
120,000 lb

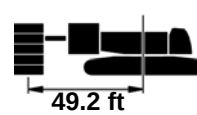
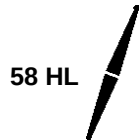
360°

49.2 ft

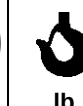
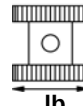
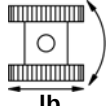
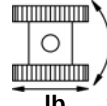


334.6 ft

ft	°	ft	137,850 lb		313,850 lb		489,850 lb		ft
			lb	lb	lb	lb	lb	lb	
60	81.2	338.9	197,800	237,700 *					60
65	80.3	338.0	175,000	237,700 *					65
70	79.5	337.1	155,800	237,700 *					70
75	78.6	336.0	139,600	237,500 *					75
80	77.7	334.9	125,600	237,400 *					80
85	76.8	333.7	113,500	237,100 *					85
90	75.9	332.5	102,800	228,800					90
95	75.1	331.1	93,300	212,000	201,700	235,800 *			95
100	74.2	329.7	84,900	197,100	187,300	234,500 *			100
105	73.3	328.1	77,400	183,800	174,400	233,300 *			105
110	72.4	326.5	70,600	171,800	162,800	232,000 *			110
115	71.5	324.9	64,400	161,000	152,300	230,700 *			115
120	70.6	323.1	58,800	151,300	142,700	223,700 *			120
125	69.6	321.2	53,600	142,300	133,900	212,600 *			125
130	68.7	319.2	48,900	134,200	125,900	202,300 *	203,000	226,900 *	130
135	67.8	317.2	44,600	126,700	118,500	192,800	192,500	225,600 *	135
140	66.9	315.0	40,500	119,700	111,600	183,300	182,800	224,300 *	140
145	65.9	312.7	36,800	113,300	105,200	174,500	173,800	221,100 *	145
150	65.0	310.4	33,300	107,400	99,300	166,300	165,400	212,200 *	150
160	63.1	305.4	27,100	96,700	88,700	151,700	150,400	196,000 *	160
170	61.1	299.9	21,600	87,400	79,300	138,800	137,200	181,700 *	170
180	59.1	294.0	16,700	79,200	71,000	127,500	125,500	168,900 *	180
190	57.1	287.7	12,400	71,900	63,700	117,500	115,100	157,500 *	190
200	55.0	280.8	8,500	65,300	57,100	108,500	105,700	147,000 *	200
210	52.9	273.3	4,900	59,400	51,100	100,500	97,300	137,500 *	210
220	50.7	265.2	1,700	54,100	45,700	93,200	89,700	128,800 *	220
230	48.4	256.5		49,300	40,700	86,500	82,700	120,900 *	230
240	46.1	247.1		44,800	36,200	80,400	76,400	113,600 *	240
250	43.6	236.8		40,700	32,000	74,900	70,500	107,000 *	250
260	41.0	225.5		36,500 *	28,200	69,700	65,100	100,800 *	260
270	38.3	213.2		32,400 *	24,600	65,000	60,100	95,100 *	270
280	35.4	199.5		28,700 *	21,300	60,600	55,400	89,800 *	280
290	32.3	184.2		25,100 *	18,200	56,500	51,100	84,800 *	290
300	28.8	166.8		21,800 *	15,200	52,700	47,000	80,100 *	300
310	25.0	146.5		18,700 *	12,400	48,600 *	43,100	75,800 *	310
320	20.4	121.8		15,700 *	9,800	44,600 *	39,400	70,300 *	320



354.3 ft

 ft	 °	 ft	 137,850 lb		 313,850 lb		 489,850 lb		 ft
			 lb	 lb	 lb	 lb	 lb	 lb	
65	80.9	358.0	173,800	204,900 *					65
70	80.1	357.1	154,500	204,700 *					70
75	79.2	356.1	138,100	204,700 *					75
80	78.4	355.1	124,100	204,400 *					80
85	77.6	354.0	111,800	203,800 *					85
90	76.7	352.8	101,100	202,700 *					90
95	75.9	351.5	91,600	201,600 *					95
100	75.1	350.1	83,100	195,500					100
105	74.2	348.7	75,500	182,200	172,800	199,300 *			105
110	73.4	347.2	68,700	170,300	161,200	198,200 *			110
115	72.5	345.6	62,500	159,500	150,600	197,100 *			115
120	71.7	344.0	56,800	149,700	141,000	195,900 *			120
125	70.8	342.2	51,700	140,700	132,100	194,800 *			125
130	70.0	340.4	46,900	132,500	124,100	193,600 *			130
135	69.1	338.4	42,500	125,000	116,600	191,000 *			135
140	68.2	336.4	38,500	118,100	109,700	181,600			140
145	67.3	334.3	34,800	111,700	103,300	172,800			145
150	66.5	332.1	31,300	105,800	97,400	164,700	163,700	189,100 *	150
160	64.7	327.4	25,000	95,100	86,700	150,000	148,500	186,800 *	160
170	62.9	322.4	19,500	85,700	77,300	137,200	135,300	179,800 *	170
180	61.0	316.9	14,600	77,500	69,000	125,900	123,600	167,000 *	180
190	59.1	311.0	10,200	70,200	61,700	115,800	113,200	155,600 *	190
200	57.2	304.6	6,300	63,600	55,000	106,900	103,800	145,200 *	200
210	55.3	297.8	2,800	57,700	49,000	98,800	95,400	135,600 *	210
220	53.3	290.5		52,400	43,600	91,500	87,700	127,000 *	220
230	51.2	282.5		47,600	38,700	84,800	80,800	119,100 *	230
240	49.1	274.0		43,100	34,100	78,800	74,400	111,800 *	240
250	46.9	264.8		38,600 *	30,000	73,200	68,500	105,200 *	250
260	44.6	254.8		34,200 *	26,100	68,100	63,100	99,000 *	260
270	42.2	244.0		30,200 *	22,600	63,300	58,100	93,300 *	270
280	39.7	232.2		26,400 *	19,200	58,900	53,500	88,000 *	280
290	37.1	219.3		22,900 *	16,100	54,800	49,100	83,000 *	290
300	34.3	205.1		19,600 *	13,200	50,600 *	45,100	78,400 *	300
310	31.2	189.2		16,500 *	10,500	46,500 *	41,200	74,100 *	310
320	27.9	171.1		13,600 *	7,900	42,600 *	37,600	70,000 *	320
330	24.1	150.0		10,800 *	5,500	38,900 *	34,200	66,100 *	330
340	19.6	124.3		8,100 *	3,100	35,300 *	30,900	56,400 *	340

58 HL



332,000 lb
+
120,000 lb

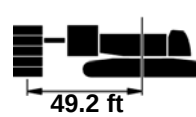
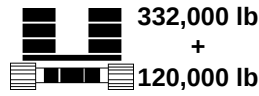
360°

49.2 ft

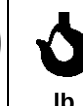
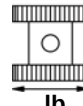
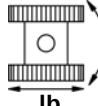
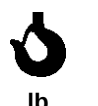
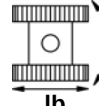
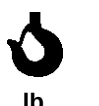


374.0 ft

ft	°	ft	137,850 lb		313,850 lb		489,850 lb		ft
			lb	lb	lb	lb	lb	lb	
70	80.6	377.1	153,800	175,400 *					70
75	79.8	376.2	137,300	175,100 *					75
80	79.0	375.2	123,100	174,900 *					80
85	78.2	374.1	110,800	173,900 *					85
90	77.5	373.0	100,000	172,900 *					90
95	76.7	371.8	90,400	171,800 *					95
100	75.9	370.5	81,900	170,800 *					100
105	75.1	369.2	74,300	169,800 *					105
110	74.3	367.8	67,400	168,700 *					110
115	73.5	366.3	61,200	158,300	149,500	167,700 *			115
120	72.7	364.7	55,500	148,500	139,800	166,700 *			120
125	71.9	363.0	50,300	139,600	131,000	165,600 *			125
130	71.1	361.3	45,600	131,400	122,900	164,600 *			130
135	70.3	359.5	41,200	123,900	115,400	163,600 *			135
140	69.4	357.6	37,100	116,900	108,500	162,500 *			140
145	68.6	355.6	33,400	110,500	102,100	161,500 *			145
150	67.8	353.6	29,900	104,600	96,100	160,500 *			150
160	66.1	349.2	23,600	93,900	85,400	148,800			160
170	64.4	344.5	18,000	84,500	76,000	136,000	134,100	156,400 *	170
180	62.7	339.4	13,100	76,300	67,700	124,700	122,300	154,400 *	180
190	60.9	333.9	8,800	69,000	60,300	114,600	111,900	152,400 *	190
200	59.2	328.0	4,900	62,400	53,700	105,700	102,500	143,900 *	200
210	57.4	321.6		56,600	47,700	97,600	94,100	134,400 *	210
220	55.5	314.8		51,200	42,200	90,300	86,400	125,700 *	220
230	53.6	307.6		46,400	37,300	83,600	79,500	117,800 *	230
240	51.7	299.8		41,800 *	32,800	77,600	73,100	110,600 *	240
250	49.7	291.4		37,000 *	28,600	72,000	67,200	103,900 *	250
260	47.6	282.4		32,700 *	24,800	66,900	61,800	97,800 *	260
270	45.5	272.7		28,700 *	21,200	62,200	56,800	92,100 *	270
280	43.3	262.3		24,900 *	17,900	57,800	52,200	86,800 *	280
290	41.0	251.0		21,400 *	14,800	53,500 *	47,800	81,800 *	290
300	38.5	238.7		18,100 *	11,900	49,100 *	43,800	77,200 *	300
310	36.0	225.3		15,000 *	9,200	45,000 *	40,000	72,900 *	310
320	33.2	210.5		12,100 *	6,600	41,200 *	36,400	68,800 *	320
330	30.3	193.9		9,400 *	4,200	37,500 *	33,100	65,000 *	330
340	27.0	175.1			1,900	34,100 *	29,900	61,200 *	340
350	23.3	153.3				30,800 *	26,800	44,300 *	350
360	18.9	126.6				27,600 *	23,900	27,800 *	360



393.7 ft

 ft	 °	 ft	 137,850 lb		 313,850 lb		 489,850 lb		 ft
			 lb	 lb	 lb	 lb	 lb	 lb	
75	80.3	396.2	135,300	151,500 *					75
80	79.6	395.3	121,000	151,300 *					80
85	78.8	394.3	108,600	150,600 *					85
90	78.1	393.2	97,700	149,700 *					90
95	77.3	392.1	88,100	148,700 *					95
100	76.6	390.9	79,500	147,800 *					100
105	75.8	389.6	71,900	146,800 *					105
110	75.1	388.2	65,000	145,800 *					110
115	74.3	386.8	58,700	144,900 *					115
120	73.6	385.3	53,000	142,000 *					120
125	72.8	383.8	47,800	137,500					125
130	72.0	382.1	43,000	129,300	120,500	138,000 *			130
135	71.3	380.4	38,600	121,800	113,000	136,000 *			135
140	70.5	378.6	34,500	114,800	106,000	134,000 *			140
145	69.7	376.8	30,800	108,400	99,600	132,000 *			145
150	68.9	374.8	27,200	102,500	93,700	130,000 *			150
160	67.4	370.7	20,900	91,800	82,900	126,000 *			160
170	65.8	366.2	15,400	82,400	73,500	122,000 *			170
180	64.2	361.5	10,500	74,200	65,100	118,000 *			180
190	62.5	356.3	6,100	66,900	57,700	112,500			190
200	60.9	350.8	2,200	60,300	51,000	103,500			200
210	59.2	344.9		54,400	45,100	95,500	91,500	106,000 *	210
220	57.5	338.6		49,100	39,600	88,200	83,900	102,000 *	220
230	55.7	331.9		44,000 *	34,700	81,500	76,900	98,000 *	230
240	53.9	324.7		38,900 *	30,100	75,500	70,500	94,000 *	240
250	52.1	317.0		34,200 *	26,000	69,900	64,700	90,000 *	250
260	50.2	308.8		29,800 *	22,100	64,800	59,200	86,000 *	260
270	48.3	300.0		25,800 *	18,600	60,100	54,200	82,000 *	270
280	46.3	290.5		22,100 *	15,300	55,400 *	49,600	80,000 *	280
290	44.2	280.4		18,600 *	12,200	50,700 *	45,300	78,000 *	290
300	42.0	269.5		15,300 *	9,300	46,300 *	41,300	75,000 *	300
310	39.8	257.7		12,200 *	6,600	42,200 *	37,500	70,700 *	310
320	37.4	245.0		9,400 *	4,100	38,400 *	33,900	66,700 *	320
330	34.9	231.0			1,700	34,800 *	30,600	62,800 *	330
340	32.3	215.6				31,400 *	27,400	58,500 *	340
350	29.4	198.5				28,100 *	24,400	54,400 *	350
360	26.2	179.0				25,000 *	21,600	50,600 *	360
370	22.6	156.4				22,100 *	18,900	46,300 *	370
380	18.3	128.7				19,300 *	16,200	40,600 *	380