


Liftcrane Boom Extended Upper Point Capacities

MLC300 SERIES 3

Boom No. B45:505-500
with 23.0 ft Extended Upper Boom Point
441,400 lb Fixed Position Counterweight
at 13.4 ft Position
360 Degree Rating


 **LIFTING CAPACITIES:** Lifting capacities for various boom lengths and operating radii are for freely suspended loads and may be based on percent of static tipping or strength of structural components. Capacities must be reduced by applicable deducts.


Upper boom point (upper sheave) capacity for liftcrane service with single part whip line from Drum 6 is 30,000 lb. When Drum 2 or Drum 3 is used, capacity with single part whip line is 36,700 lb. In all cases, upper boom point capacities cannot exceed those listed for extended upper boom point (lower sheave) capacity.


Weight of all load blocks, hooks, weight ball, slings, hoist lines, etc., beneath sheaves is considered part of 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, level, and uniformly supporting surface. Refer to Boom Rigging **No. 84049567**, Wire Rope Specifications chart **No. 9647-A**, Counterweight Arrangements chart **No. 9345-A**, and Wind Conditions chart **No. 9646-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 the Operator Manual for operating guidelines.

MACHINE TRAVEL: Machine to travel on a firm, level, and uniformly supporting surface. Boom must be within boom angle range shown in capacity chart. Refer to Maximum Allowable Travel Specifications chart **No. 9644-A**.

 **EXTENDED UPPER BOOM POINT OPERATING RADIUS:** Extended upper boom point operating radius is horizontal distance from axis of rotation to center of vertical hoist line or load block.

 **BOOM ANGLE:** Boom angle in degrees (°) 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.

 **EXTENDED UPPER BOOM POINT ELEVATION:** Extended upper boom point elevation is vertical distance from ground level to centerline of extended upper boom point shaft.

MACHINE EQUIPMENT: Machine equipped with 31 ft 10 in. crawlers, 48 in. or 60 in. treads, 30 ft live mast, 24 part boom hoist reeving, boom support straps, and 441,400 lb Fixed Position Counterweight.

Luffing Jib Backstay Deduct	
Boom Length (ft)	Deduct (lb)
114.8	3,100
124.7	3,400
134.5	3,700
144.4	4,000
154.2	4,300
164.0	4,600
173.9	4,800
183.7	5,100
193.6	5,400
203.4	5,700
213.3	6,000
223.1	6,300
232.9	6,600
242.8	7,000
252.6	7,100

Deduct the appropriate value from capacities when luffing jib backstays are stored on boom.

Refer to Table 1 (with luffing jib backstays stored) and Table 2 (without luffing jib backstays stored) for raising ability with the maximum weight of all load blocks, hooks, weight ball, slings, and hoist lines beneath extended upper boom point (lower or upper sheaves). For block weights shown with #, load blocks, hooks, weight ball, and slings must remain on ground until combined weights are within rated capacity of chart. Raising is not permitted in shaded areas of table.

Combined weight beneath extended upper boom point (lower or upper sheaves) must not exceed block weight shown.

Table 1a: With Luffing Jib Backstays

Over End or Side of Crawlers	
Boom Length (ft)	Block Weight (lb)
114.8	7,600
124.7	7,600
134.5	7,600
144.4	7,600
154.2	7,600
164.0	7,600
173.9	7,600
183.7	7,600
193.6	7,600
203.4	7,600
213.3	7,600
223.1	7,600
232.9	#
242.8	#
252.6	#
262.5	Raising Not Permitted
272.3	
282.2	

Table 1b: With Luffing Jib Backstays

Over End of Blocked Crawlers	
Boom Length (ft)	Block Weight (lb)
114.8	7,600
124.7	7,600
134.5	7,600
144.4	7,600
154.2	7,600
164.0	7,600
173.9	7,600
183.7	7,600
193.6	7,600
203.4	7,600
213.3	7,600
223.1	7,600
232.9	#
242.8	#
252.6	#
262.5	Raising Not Permitted
272.3	
282.2	

Warning: Crane must remain in-line with crawlers when raising over end of blocked crawlers until operating radius is within 360 degree chart. Crane tipping or structural damage can occur.

Table 2a: Without Luffing Jib Backstays

Over End or Side of Crawlers	
Boom Length (ft)	Block Weight (lb)
114.8	7,600
124.7	7,600
134.5	7,600
144.4	7,600
154.2	7,600
164.0	7,600
173.9	7,600
183.7	7,600
193.6	7,600
203.4	7,600
213.3	7,600
223.1	7,600
232.9	7,600
242.8	#
252.6	#
262.5	Raising Not Permitted
272.3	
282.2	

Table 2b: Without Luffing Jib Backstays

Over End of Blocked Crawlers	
Boom Length (ft)	Block Weight (lb)
114.8	7,600
124.7	7,600
134.5	7,600
144.4	7,600
154.2	7,600
164.0	7,600
173.9	7,600
183.7	7,600
193.6	7,600
203.4	7,600
213.3	7,600
223.1	7,600
232.9	7,600
242.8	#
252.6	#
262.5	#
272.3	#
282.2	#

Warning: Crane must remain in-line with crawlers when raising over end of blocked crawlers until operating radius is within 360 degree chart. Crane tipping or structural damage can occur.

REFERENCE ONLY!

Explanation of Symbols



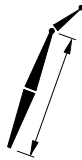
Boom No. B45:505-500



Fixed Position Counterweight



360 Degree Rating



Boom Length



Extended Upper Boom Point Operating Radius
(see page 1)



Boom Angle
(see page 1)



Extended Upper Boom Point Elevation
(see page 1)



Lifting Capacities
(see page 1)

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ASME B30.5



114.8 ft

ft	°	ft	lb
50	76.5	135.4	181,200
55	74.3	133.5	178,200
60	72.0	131.4	175,400
65	69.7	129.1	172,900
70	67.3	126.5	162,700
75	64.9	123.7	147,800
80	62.4	120.5	135,100
85	59.8	117.0	124,100
90	57.1	113.2	114,500
95	54.4	109.0	106,000
100	51.5	104.4	98,400
105	48.5	99.2	91,600
110	45.3	93.5	85,500
115	41.8	87.0	79,900
120	38.1	79.6	74,900

124.7 ft

ft	°	ft	lb
50	77.5	145.7	192,000
55	75.4	144.0	189,600
60	73.3	142.1	187,300
65	71.1	139.9	179,800
70	69.0	137.6	162,100
75	66.7	135.0	147,200
80	64.5	132.1	134,500
85	62.2	128.9	123,500
90	59.8	125.5	113,800
95	57.3	121.8	105,300
100	54.8	117.6	97,800
105	52.1	113.1	91,000
110	49.4	108.2	84,900
115	46.4	102.7	79,400
120	43.3	96.6	74,300
125	40.0	89.8	69,700
130	36.4	82.0	65,400

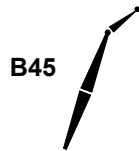
134.5 ft

ft	°	ft	lb
45	80.2	157.4	204,500
50	78.3	156.0	202,500
55	76.4	154.4	200,700
60	74.4	152.6	199,000
65	72.4	150.6	179,800
70	70.4	148.4	162,100
75	68.4	146.0	147,200
80	66.3	143.4	134,400
85	64.2	140.5	123,400
90	62.0	137.4	113,700
95	59.8	134.0	105,200
100	57.5	130.3	97,700
105	55.1	126.3	90,900
110	52.6	121.9	84,800
115	50.1	117.1	79,300
120	47.4	111.8	74,300
125	44.6	106.1	69,700
130	41.6	99.7	65,500
135	38.4	92.5	61,600

REFERENCE ONLY

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ASME B30.5



441,400 lb



360°

144.4 ft				154.2 ft				164.0 ft			
ft	o	ft	lb	ft	o	ft	lb	ft	o	ft	lb
45	80.8	167.6	213,600	41	82.7	178.5	220,500	42	82.8	188.4	220,500
50	79.0	166.2	212,200	42	82.3	178.3	220,500	43	82.4	188.1	220,500
55	77.2	164.7	210,300	43	82.0	178.1	220,500	44	82.1	187.9	220,500
60	75.4	163.1	200,500	44	81.7	177.9	220,500	45	81.8	187.7	220,500
65	73.5	161.2	179,100	45	81.3	177.7	220,500	46	81.5	187.5	220,500
70	71.7	159.2	161,400	50	79.7	176.4	218,900	50	80.2	186.5	220,500
75	69.8	156.9	146,500	55	78.0	175.0	212,800	55	78.6	185.2	215,000
80	67.8	154.5	133,700	60	76.2	173.4	200,400	60	77.0	183.7	199,800
85	65.9	151.8	122,600	65	74.5	171.7	179,000	65	75.4	182.1	178,300
90	63.9	148.9	113,000	70	72.8	169.8	161,300	70	73.7	180.3	160,500
95	61.8	145.8	104,500	75	71.0	167.7	146,300	75	72.1	178.3	145,600
100	59.7	142.5	96,900	80	69.2	165.4	133,500	80	70.4	176.2	132,700
105	57.6	138.8	90,200	85	67.4	162.9	122,500	85	68.7	173.9	121,600
110	55.4	134.8	84,100	90	65.5	160.3	112,800	90	66.9	171.4	112,000
115	53.1	130.6	78,500	95	63.6	157.4	104,300	95	65.2	168.7	103,400
120	50.7	125.9	73,500	100	61.7	154.3	96,700	100	63.4	165.8	95,900
125	48.3	120.9	68,900	105	59.7	150.9	90,000	105	61.6	162.7	89,100
130	45.7	115.3	64,700	110	57.7	147.3	83,900	110	59.7	159.4	83,000
135	43.0	109.3	60,800	115	55.6	143.4	78,400	115	57.8	155.8	77,500
140	40.1	102.6	57,200	120	53.5	139.2	73,300	120	55.9	152.0	72,400
145	36.9	95.1	53,800	125	51.3	134.7	68,800	125	53.8	147.9	67,900
				130	49.0	129.8	64,500	130	51.8	143.5	63,700
				135	46.6	124.5	60,700	135	49.6	138.7	59,800
				140	44.1	118.7	57,100	140	47.4	133.6	56,200
				145	41.5	112.4	53,700	145	45.1	128.0	52,900
				150	38.7	105.4	50,600	150	42.7	122.0	49,800
				155	35.6	97.5	47,700	155	40.1	115.3	46,900
								160	37.4	108.0	44,100

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ASME B30.5



173.9 ft

	ft	°	ft	lb
43	82.8	198.2	220,500	
44	82.5	198.0	220,500	
45	82.2	197.8	220,500	
46	81.9	197.5	220,500	
47	81.6	197.3	220,500	
50	80.7	196.6	220,500	
55	79.2	195.4	217,000	
60	77.7	194.0	199,700	
65	76.1	192.4	178,200	
70	74.6	190.7	160,400	
75	73.0	188.9	145,400	
80	71.4	186.9	132,500	
85	69.8	184.7	121,400	
90	68.2	182.4	111,800	
95	66.6	179.9	103,200	
100	64.9	177.2	95,600	
105	63.2	174.3	88,900	
110	61.5	171.2	82,800	
115	59.7	167.9	77,200	
120	57.9	164.3	72,200	
125	56.0	160.6	67,600	
130	54.2	156.5	63,400	
135	52.2	152.2	59,600	
140	50.2	147.5	56,000	
145	48.1	142.5	52,700	
150	46.0	137.2	49,600	
155	43.7	131.4	46,700	
160	41.3	125.1	44,000	
165	38.8	118.2	41,400	
170	36.2	110.6	39,000	

183.7 ft

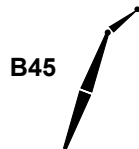
	ft	°	ft	lb
44	82.9	208.0	220,500	
45	82.6	207.8	220,500	
46	82.3	207.6	220,500	
47	82.0	207.4	220,500	
48	81.8	207.2	220,500	
50	81.2	206.7	220,500	
55	79.7	205.5	218,800	
60	78.3	204.2	199,000	
65	76.8	202.7	177,500	
70	75.4	201.1	159,600	
75	73.9	199.4	144,600	
80	72.4	197.5	131,700	
85	70.9	195.4	120,600	
90	69.3	193.2	110,900	
95	67.8	190.9	102,300	
100	66.2	188.3	94,700	
105	64.6	185.6	87,900	
110	63.0	182.7	81,800	
115	61.4	179.6	76,300	
120	59.7	176.3	71,300	
125	58.0	172.8	66,700	
130	56.2	169.1	62,500	
135	54.4	165.1	58,600	
140	52.6	160.9	55,000	
145	50.7	156.3	51,700	
150	48.8	151.5	48,600	
155	46.7	146.3	45,700	
160	44.6	140.7	43,000	
165	42.4	134.6	40,500	
170	40.1	128.1	38,100	
175	37.7	121.0	35,800	
180	35.1	113.1	33,700	

193.6 ft

	ft	°	ft	lb
45	83.0	217.8	220,500	
46	82.7	217.6	220,500	
47	82.4	217.4	220,500	
48	82.1	217.2	220,500	
49	81.9	217.0	220,500	
50	81.6	216.8	220,500	
55	80.2	215.6	220,400	
60	78.8	214.4	198,900	
65	77.5	213.0	177,300	
70	76.1	211.5	159,400	
75	74.7	209.8	144,300	
80	73.2	208.0	131,500	
85	71.8	206.1	120,300	
90	70.4	204.0	110,600	
95	68.9	201.7	102,000	
100	67.4	199.4	94,400	
105	65.9	196.8	87,600	
110	64.4	194.1	81,500	
115	62.8	191.2	76,000	
120	61.3	188.1	71,000	
125	59.7	184.8	66,400	
130	58.0	181.3	62,200	
135	56.4	177.6	58,300	
140	54.7	173.7	54,700	
145	52.9	169.5	51,400	
150	51.2	165.1	48,300	
155	49.3	160.3	45,400	
160	47.4	155.3	42,700	
165	45.4	149.9	40,200	
170	43.4	144.1	37,900	
175	41.3	137.8	35,600	
180	39.0	131.0	33,500	
185	36.6	123.6	31,500	

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ASME B30.5



441,400 lb



360°

203.4 ft				213.3 ft				223.1 ft			
ft	°	ft	lb	ft	°	ft	lb	ft	°	ft	lb
47	82.7	227.4	220,500	48	82.8	237.2	220,500	49	82.9	247.0	220,500
48	82.5	227.2	220,500	49	82.6	237.0	220,500	50	82.6	246.8	220,500
49	82.2	227.0	220,500	50	82.3	236.8	220,500	51	82.4	246.6	220,500
50	82.0	226.8	220,500	51	82.1	236.6	220,500	52	82.1	246.5	220,500
51	81.7	226.6	220,500	52	81.8	236.4	220,500	53	81.9	246.3	220,500
55	80.7	225.7	220,400	55	81.1	235.8	220,400	55	81.4	245.8	220,400
60	79.3	224.5	198,100	60	79.8	234.6	198,000	60	80.2	244.7	197,300
65	78.0	223.2	176,500	65	78.5	233.4	176,400	65	79.0	243.5	175,600
70	76.7	221.7	158,600	70	77.3	232.0	158,400	70	77.8	242.2	157,600
75	75.4	220.2	143,500	75	76.0	230.5	143,300	75	76.6	240.8	142,400
80	74.0	218.5	130,600	80	74.7	228.9	130,300	80	75.3	239.2	129,400
85	72.6	216.6	119,400	85	73.4	227.1	119,200	85	74.1	237.5	118,200
90	71.3	214.6	109,700	90	72.1	225.2	109,400	90	72.9	235.7	108,400
95	69.9	212.5	101,100	95	70.8	223.2	100,800	95	71.6	233.8	99,800
100	68.5	210.3	93,500	100	69.4	221.1	93,200	100	70.3	231.8	92,200
105	67.1	207.8	86,600	105	68.1	218.8	86,400	105	69.1	229.6	85,300
110	65.6	205.3	80,500	110	66.7	216.3	80,200	110	67.8	227.3	79,200
115	64.2	202.5	75,000	115	65.4	213.7	74,700	115	66.4	224.8	73,600
120	62.7	199.6	69,900	120	64.0	211.0	69,600	120	65.1	222.2	68,600
125	61.2	196.6	65,300	125	62.6	208.1	65,000	125	63.8	219.5	64,000
130	59.7	193.3	61,100	130	61.1	205.0	60,800	130	62.4	216.6	59,700
135	58.1	189.8	57,300	135	59.7	201.8	56,900	135	61.0	213.5	55,900
140	56.5	186.2	53,700	140	58.2	198.3	53,400	140	59.6	210.3	52,300
145	54.9	182.3	50,400	145	56.7	194.7	50,000	145	58.2	206.8	48,900
150	53.3	178.2	47,300	150	55.1	190.9	47,000	150	56.8	203.2	45,900
155	51.6	173.8	44,400	155	53.5	186.8	44,100	155	55.3	199.4	43,000
160	49.8	169.2	41,700	160	51.9	182.5	41,400	160	53.8	195.4	40,300
165	48.0	164.2	39,200	165	50.3	178.0	38,900	165	52.3	191.2	37,800
170	46.2	159.0	36,800	170	48.6	173.1	36,500	170	50.7	186.7	35,400
175	44.2	153.4	34,600	175	46.8	168.0	34,300	175	49.1	182.0	33,200
180	42.2	147.3	32,500	180	45.0	162.6	32,200	180	47.4	177.0	31,100
185	40.2	140.9	30,500	185	43.1	156.7	30,200	185	45.7	171.7	29,100
190	38.0	133.8	28,600	190	41.2	150.5	28,300	190	43.9	166.1	27,200
195	35.6	126.2	26,800	195	39.1	143.8	26,500	195	42.1	160.0	25,400
				200	37.0	136.6	24,800	200	40.2	153.6	23,700
								205	38.2	146.7	22,100
								210	36.1	139.3	20,600

MLC300 S-3

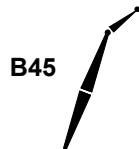
ASME B30.5



232.9 ft				242.8 ft				252.6 ft			
ft	°	ft	lb	ft	°	ft	lb	ft	°	ft	lb
50	82.9	256.8	220,500	51	83.0	266.6	220,500	53	82.8	276.3	220,500
51	82.7	256.6	220,500	52	82.7	266.5	220,500	54	82.6	276.1	220,400
52	82.5	256.5	220,500	53	82.5	266.3	220,500	55	82.4	275.9	220,300
53	82.2	256.3	220,500	54	82.3	266.1	220,400	56	82.2	275.7	217,300
54	82.0	256.1	220,400	55	82.1	265.9	220,300	57	81.9	275.5	211,700
55	81.8	255.9	220,300	60	81.0	264.9	196,500	60	81.3	274.9	196,400
60	80.6	254.8	197,300	65	79.9	263.8	174,800	65	80.2	273.8	174,500
65	79.5	253.7	175,600	70	78.7	262.5	156,700	70	79.2	272.7	156,500
70	78.3	252.4	157,600	75	77.6	261.2	141,500	75	78.1	271.4	141,200
75	77.1	251.0	142,400	80	76.5	259.8	128,500	80	77.0	270.0	128,200
80	75.9	249.5	129,400	85	75.3	258.2	117,200	85	75.9	268.5	116,900
85	74.8	247.9	118,200	90	74.2	256.6	107,400	90	74.8	267.0	107,100
90	73.6	246.2	108,400	95	73.0	254.8	98,700	95	73.7	265.3	98,400
95	72.4	244.4	99,800	100	71.9	253.0	91,100	100	72.6	263.5	90,700
100	71.1	242.4	92,100	105	70.7	251.0	84,200	105	71.5	261.6	83,900
105	69.9	240.3	85,300	110	69.5	248.9	78,000	110	70.3	259.5	77,700
110	68.7	238.1	79,100	115	68.3	246.6	72,500	115	69.2	257.4	72,100
115	67.4	235.8	73,600	120	67.1	244.3	67,400	120	68.0	255.1	67,100
120	66.2	233.3	68,500	125	65.9	241.8	62,800	125	66.9	252.8	62,400
125	64.9	230.7	63,900	130	64.7	239.1	58,600	130	65.7	250.3	58,200
130	63.6	227.9	59,700	135	63.5	236.4	54,700	135	64.5	247.6	54,300
135	62.3	225.0	55,800	140	62.2	233.5	51,100	140	63.3	244.8	50,700
140	61.0	222.0	52,200	145	60.9	230.4	47,700	145	62.1	241.9	47,400
145	59.6	218.7	48,900	150	59.6	227.2	44,600	150	60.9	238.9	44,300
150	58.3	215.3	45,800	155	58.3	223.8	41,800	155	59.6	235.7	41,400
155	56.9	211.8	42,900	160	57.0	220.3	39,100	160	58.4	232.3	38,700
160	55.5	208.0	40,200	165	55.6	216.6	36,500	165	57.1	228.8	36,200
165	54.0	204.0	37,700	170	54.3	212.6	34,200	170	55.8	225.1	33,800
170	52.6	199.9	35,300	175	52.8	208.5	32,000	175	54.5	221.2	31,600
175	51.1	195.5	33,100	180	51.4	204.2	29,900	180	53.1	217.2	29,500
180	49.5	190.8	31,000	185	49.9	199.6	27,900	185	51.7	212.9	27,500
185	47.9	185.9	29,000	190	48.4	194.8	26,000	190	50.3	208.4	25,600
190	46.3	180.8	27,200	195	46.9	189.8	24,200	195	48.9	203.7	23,900
195	44.6	175.3	25,400	200	45.3	184.4	22,500	200	47.4	198.7	22,200
200	42.9	169.4	23,700	205	43.6	178.8	20,900	205	45.9	193.5	20,600
205	41.1	163.2	22,100	210	41.9	172.8	19,400	210	44.3	188.0	19,100
210	39.2	156.6	20,600	215	40.2	166.4	18,000	215	42.7	182.2	17,600
215	37.3	149.5	19,100	220	38.3	159.5	16,600	220	41.0	176.0	16,200
220	35.2	141.8	17,700	225	36.4	152.2	15,200	225	39.3	169.4	14,900
								230	37.5	162.4	13,600
								235	35.6	154.9	12,400

MLC300 S-3

ASME B30.5



441,400 lb



360°

262.5 ft				272.3 ft				282.2 ft			
ft	o	ft	lb	ft	o	ft	lb	ft	o	ft	lb
54	82.8	286.1	215,700	55	82.9	295.9	209,700	56	82.9	305.7	196,200
55	82.6	285.9	215,200	56	82.7	295.7	209,300	57	82.7	305.5	195,500
56	82.4	285.7	214,700	57	82.5	295.5	208,800	58	82.5	305.3	194,800
57	82.2	285.5	210,900	58	82.3	295.3	206,200	59	82.4	305.1	194,100
58	82.0	285.3	205,600	59	82.1	295.2	201,100	60	82.2	305.0	193,500
60	81.6	284.9	195,500	60	81.9	295.0	196,200	65	81.2	304.0	173,300
65	80.6	283.9	173,600	65	80.9	294.0	174,300	70	80.2	302.9	155,100
70	79.5	282.8	155,400	70	79.9	292.9	156,100	75	79.3	301.8	139,800
75	78.5	281.6	140,100	75	78.9	291.7	140,800	80	78.3	300.6	126,700
80	77.5	280.2	127,000	80	77.9	290.4	127,700	85	77.3	299.2	115,300
85	76.4	278.8	115,700	85	76.9	289.0	116,400	90	76.3	297.8	105,500
90	75.3	277.3	105,800	90	75.9	287.6	106,500	95	75.3	296.3	96,700
95	74.3	275.7	97,100	95	74.8	286.0	97,800	100	74.3	294.7	89,000
100	73.2	273.9	89,400	100	73.8	284.3	90,100	105	73.3	293.0	82,100
105	72.1	272.1	82,500	105	72.8	282.6	83,200	110	72.3	291.2	75,900
110	71.0	270.2	76,300	110	71.7	280.7	77,100	115	71.3	289.3	70,300
115	70.0	268.1	70,700	115	70.7	278.7	71,500	120	70.3	287.3	65,200
120	68.8	265.9	65,600	120	69.6	276.7	66,400	125	69.3	285.2	60,500
125	67.7	263.7	61,000	125	68.5	274.5	61,700	130	68.2	283.0	56,300
130	66.6	261.3	56,700	130	67.5	272.2	57,500	135	67.2	280.7	52,400
135	65.5	258.7	52,800	135	66.4	269.8	53,600	140	66.2	278.2	48,700
140	64.3	256.1	49,200	140	65.3	267.2	50,000	145	65.1	275.7	45,400
145	63.2	253.3	45,800	145	64.2	264.6	46,600	150	64.0	273.0	42,300
150	62.0	250.4	42,700	150	63.1	261.8	43,500	155	62.9	270.2	39,400
155	60.8	247.4	39,800	155	61.9	258.9	40,600	160	61.8	267.3	36,700
160	59.6	244.2	37,100	160	60.8	255.8	37,900	165	60.7	264.3	34,200
165	58.4	240.8	34,600	165	59.6	252.6	35,400	170	59.6	261.1	31,800
170	57.2	237.3	32,200	170	58.4	249.3	33,000	175	58.5	257.8	29,600
175	55.9	233.6	30,000	175	57.3	245.8	30,800	180	57.3	254.3	27,500
180	54.6	229.8	27,900	180	56.0	242.2	28,700	185	56.2	250.7	25,500
185	53.3	225.8	25,900	185	54.8	238.4	26,700	190	55.0	246.9	23,600
190	52.0	221.6	24,000	190	53.6	234.4	24,900	195	53.8	243.0	21,800
195	50.7	217.1	22,300	195	52.3	230.2	23,100	200	52.5	238.9	20,100
200	49.3	212.5	20,600	200	51.0	225.9	21,400	205	51.3	234.6	18,500
205	47.9	207.6	19,000	205	49.7	221.3	19,800	210	50.0	230.1	17,000
210	46.4	202.5	17,400	210	48.3	216.5	18,300	215	48.7	225.4	15,600
215	44.9	197.1	16,000	215	46.9	211.5	16,800	220	47.4	220.4	14,200
220	43.4	191.5	14,600	220	45.5	206.2	15,400	225	46.0	215.3	12,900
225	41.8	185.5	13,300	225	44.1	200.7	14,100	230	44.6	209.9	11,400
230	40.2	179.1	12,000	230	42.6	194.9	12,900				
235	38.5	172.4	10,400	235	41.0	188.7	11,600				
				240	39.4	182.2	10,100				