


# Liftcrane Boom Capacities

**Boom No. B65:505-500**  
**with Mast No. M11:503**  
**474,100 lb VPC (Variable Position Counterweight)**  
**360 Degree Rating**

## MLC300 VPC-MAX SERIES 3

 **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 capacity for liftcrane service with single part whip line from Drum 6 is 30,000 lb or 60,000 lb with two part whip line. When Drum 2 or Drum 3 is used, capacity with single part whip line is 36,700 lb or 73,500 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 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.


**BOOM BACKWARD STABILITY:** Capacities indicated by (b) require 10,000 lb minimum weight suspended beneath boom point, (c) require 22,000 lb minimum weight, and (d) require 30,000 lb minimum weight. **Caution: Do not operate in areas indicated by (b), (c), or (d) without required minimum weight. Boom may not lower and boom hoist wire rope may go slack causing wire rope damage or failure.**

**OPERATING CONDITIONS:** Machine to operate on a firm, level, and uniformly supporting surface. Refer to Boom Rigging **No. 84050216**, Mast Rigging **No. 84045340**, Wire Rope Specifications chart **No. 9653-A**, Counterweight Arrangements **No. 9345-A**, and Wind Conditions chart **No. 9652-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. 9651-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 (°) 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 VPC-MAX, 31 ft 10 in. crawlers, 48 in. or 60 in. treads, 30 ft live mast, 98.4 ft mast, 10 part boom hoist reeving, boom support straps, and 474,100 lb VPC.

Luffing Jib Backstay Deduct	
Boom Length (ft)	Deduct (lb)
177.2	5,200
196.9	5,800
216.5	6,400
236.2	6,900
255.9	7,500
275.6	8,100

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

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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 boom point 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.

Select counterweight position from Tables 1 or 2 that will allow raising and lowering of boom length. Counterweight position selection may be changed with boom on ground or while boom is within operating range of capacity chart.

Combined weight beneath boom point sheaves must not exceed block weight shown.


**Table 1: With Luffing Jib Backstays**


Over End or Side of Crawlers		
Boom Length (ft)	34.8 ft Counterweight Position	48.0 ft Counterweight Position
	Block Weight (lb)	
177.2 - 275.6	22,900	22,900
295.3 - 413.4	Raising Not Permitted	


**Table 2: Without Luffing Jib Backstays**


Over End or Side of Crawlers		
Boom Length (ft)	34.8 ft Counterweight Position	48.0 ft Counterweight Position
	Block Weight (lb)	
177.2 - 275.6	22,900	22,900
295.3 - 393.7	#	#
413.4	Raising Not Permitted	


**Explanation of Symbols**


**B65**  Boom No. B65:505-500


 VPC (Variable Position Counterweight)

 360 Degree Rating


 Boom Length

 Operating Radius  
(see page 1)

 Boom Angle  
(see page 1)

 Boom Point Elevation  
(see page 1)

 Counterweight Position  
from Axis of Rotation

 Lifting Capacities  
(see page 1)

REFERENCE ONLY!

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474,100 lb



360°

177.2 ft				
ft	°	ft	lb	lb
24	85.0	183.3	588,100 d	588,100d
26	84.3	183.1	588,100 d	588,100d
28	83.7	182.8	588,100 c	588,100c
30	83.0	182.6	588,100 c	588,100c
32	82.4	182.3	588,100 c	588,100c
34	81.7	182.0	588,100 c	588,100c
36	81.1	181.6	583,000 c	583,000c
38	80.4	181.2	568,600 b	568,600b
40	79.8	180.9	554,700 b	554,700b
45	78.1	179.8	509,400 b	509,400b
50	76.4	178.5	481,400 b	481,400b
55	74.8	177.1	449,200	455,800
60	73.1	175.6	403,400	455,800
65	71.4	173.9	362,700	455,800
70	69.6	172.0	328,900	415,900
75	67.9	169.9	300,500	380,600
80	66.1	167.7	276,200	350,500
85	64.3	165.3	255,100	324,400
90	62.5	162.6	236,800	301,600
95	60.6	159.8	220,600	281,600
100	58.7	156.7	206,200	263,800
105	56.8	153.4	193,400	247,900
110	54.8	149.9	181,900	233,600
115	52.8	146.1	171,400	220,700
120	50.7	142.0	162,000	208,900
125	48.5	137.5	153,300	198,200
130	46.3	132.7	145,400	188,400
135	44.0	127.6	138,100	179,300
140	41.5	121.9	131,300	171,000
145	39.0	115.8	125,100	163,300
150	36.2	109.0	119,300	156,100
155	33.3	101.5	113,900	149,400
160	30.1	93.0	108,800	143,200
165	26.6	83.3	104,100	137,300
170	22.5	71.8	99,600	131,800
175	17.5	57.1	95,400	126,600

196.9 ft				
ft	°	ft	lb	lb
26	84.9	202.9	514,600 d	514,600d
28	84.3	202.7	514,600 c	514,600c
30	83.7	202.4	514,600 c	514,600c
32	83.2	202.2	514,600 c	514,600c
34	82.6	201.9	514,600 c	514,600c
36	82.0	201.6	514,600 b	514,600b
38	81.4	201.2	514,600 b	514,600b
40	80.8	200.9	514,600 b	514,600b
45	79.3	199.9	499,700 b	499,700b
50	77.8	198.8	473,100	473,100
55	76.3	197.6	437,200	437,200
60	74.8	196.2	402,700	420,100
65	73.3	194.7	362,000	420,100
70	71.8	193.0	328,200	415,200
75	70.2	191.2	299,700	379,800
80	68.6	189.2	275,300	349,600
85	67.1	187.0	254,300	323,500
90	65.5	184.7	235,900	300,700
95	63.8	182.3	219,700	280,700
100	62.2	179.6	205,300	262,800
105	60.5	176.7	192,500	246,900
110	58.8	173.7	180,900	232,600
115	57.1	170.4	170,500	219,700
120	55.3	167.0	161,000	207,900
125	53.5	163.2	152,300	197,200
130	51.6	159.3	144,400	187,400
135	49.7	155.0	137,100	178,300
140	47.7	150.5	130,300	170,000
145	45.7	145.6	124,100	162,300
150	43.6	140.3	118,300	155,100
155	41.4	134.7	112,900	148,400
160	39.1	128.5	107,900	142,200
165	36.7	121.9	103,100	136,300
170	34.1	114.6	98,700	130,800
175	31.3	106.5	94,500	125,700
180	28.3	97.4	90,600	120,800
185	24.9	86.9	86,900	116,200
190	21.0	74.5	83,300	111,900
195	16.2	58.7	79,900	107,700

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474,100 lb



360°

216.5 ft				
ft	°	ft	lb	lb
28	84.8	222.5	477,800 c	477,800c
30	84.3	222.3	477,800 c	477,800c
32	83.8	222.0	477,800 c	477,800c
34	83.2	221.8	477,800 b	477,800b
36	82.7	221.5	477,800 b	477,800b
38	82.2	221.2	477,800 b	477,800b
40	81.6	220.9	477,800 b	477,800b
45	80.3	220.0	473,400	473,400
50	79.0	219.0	452,000	452,000
55	77.6	217.9	429,900	429,900
60	76.2	216.6	401,200	423,700
65	74.9	215.2	361,000	423,700
70	73.5	213.7	327,200	414,200
75	72.1	212.1	298,600	378,800
80	70.7	210.3	274,300	348,600
85	69.3	208.4	253,200	322,500
90	67.8	206.3	234,800	299,600
95	66.4	204.1	218,600	279,500
100	64.9	201.8	204,200	261,700
105	63.4	199.2	191,300	245,800
110	61.9	196.6	179,700	231,500
115	60.4	193.7	169,300	218,500
120	58.9	190.7	159,800	206,700
125	57.3	187.4	151,100	196,000
130	55.7	184.0	143,200	186,200
135	54.1	180.4	135,900	177,100
140	52.4	176.5	129,100	168,800
145	50.7	172.4	122,900	161,100
150	48.9	168.0	117,100	153,900
155	47.1	163.4	111,700	147,200
160	45.2	158.4	106,700	141,000
165	43.3	153.1	101,900	135,100
170	41.3	147.4	97,500	129,700
175	39.2	141.3	93,400	124,500
180	37.0	134.7	89,400	119,700
185	34.7	127.6	85,700	115,100
190	32.3	119.7	82,200	110,800
195	29.6	111.1	78,900	106,700
200	26.7	101.4	75,700	102,800
210	19.8	77.0	69,900	95,500

236.2 ft				
ft	°	ft	lb	lb
30	84.8	242.1	404,300 c	404,300c
32	84.3	241.8	404,300 b	404,300b
34	83.8	241.6	404,300 b	404,300b
36	83.3	241.3	404,300 b	404,300b
38	82.8	241.1	404,300 b	404,300b
40	82.3	240.8	404,300 b	404,300b
45	81.1	240.0	404,300	404,300
50	79.9	239.1	404,300	404,300
55	78.6	238.0	404,300	404,300
60	77.4	236.9	391,700	391,700
65	76.2	235.6	360,000	364,800
70	74.9	234.3	326,100	364,800
75	73.6	232.8	297,500	364,800
80	72.4	231.2	273,100	347,400
85	71.1	229.4	252,000	321,300
90	69.8	227.6	233,600	298,400
95	68.5	225.6	217,300	278,300
100	67.2	223.5	202,900	260,500
105	65.8	221.2	190,100	244,500
110	64.5	218.8	178,500	230,200
115	63.1	216.2	168,000	217,200
120	61.7	213.5	158,500	205,500
125	60.3	210.6	149,800	194,700
130	58.9	207.6	141,900	184,900
135	57.5	204.4	134,600	175,800
140	56.0	201.0	127,800	167,500
145	54.5	197.4	121,600	159,800
150	53.0	193.7	115,800	152,600
155	51.5	189.7	110,400	145,900
160	49.9	185.4	105,400	139,700
165	48.2	181.0	100,600	133,800
170	46.6	176.2	96,200	128,400
175	44.8	171.2	92,100	123,200
180	43.1	165.9	88,100	118,400
185	41.2	160.2	84,400	113,800
190	39.3	154.1	80,900	109,500
195	37.3	147.5	77,600	105,400
200	35.2	140.5	74,500	101,500
210	30.7	124.6	68,700	94,300
220	25.4	105.1	63,200	87,800
230	18.6	79.2	57,800	81,800

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B65



474,100 lb



360°

255.9 ft				
ft	°	ft	34.8 ft lb	48.0 ft lb
32	84.7	261.6	377,900 b	377,900b
34	84.3	261.4	377,900 b	377,900b
36	83.8	261.2	377,900 b	377,900b
38	83.4	260.9	377,900 b	377,900b
40	82.9	260.7	377,900	377,900
45	81.8	259.9	377,900	377,900
50	80.7	259.1	377,900	377,900
55	79.5	258.1	375,900	375,900
60	78.4	257.1	372,100	372,100
65	77.2	255.9	358,000	358,000
70	76.1	254.7	325,200	358,000
75	74.9	253.3	296,600	358,000
80	73.8	251.8	272,100	346,500
85	72.6	250.3	251,000	320,300
90	71.4	248.5	232,500	297,400
95	70.2	246.7	216,300	277,300
100	69.0	244.8	201,900	259,400
105	67.8	242.7	189,000	243,500
110	66.6	240.5	177,400	229,100
115	65.3	238.2	166,900	216,100
120	64.1	235.8	157,400	204,400
125	62.8	233.2	148,700	193,600
130	61.6	230.5	140,800	183,800
135	60.3	227.6	133,500	174,700
140	59.0	224.6	126,700	166,400
145	57.6	221.4	120,500	158,600
150	56.3	218.0	114,700	151,500
155	54.9	214.5	109,300	144,800
160	53.5	210.8	104,200	138,500
165	52.1	206.9	99,500	132,700
170	50.7	202.8	95,100	127,200
175	49.2	198.5	90,900	122,100
180	47.7	193.9	87,000	117,300
185	46.1	189.1	83,300	112,700
190	44.5	184.0	79,800	108,400
195	42.9	178.6	76,500	104,300
200	41.2	172.9	73,400	100,400
210	37.6	160.4	67,500	93,200
220	33.7	146.0	61,700	86,700
230	29.3	129.1	56,400	80,800
240	24.1	108.5	51,500	75,400
250	17.6	81.1	46,900	70,300

275.6 ft				
ft	°	ft	34.8 ft lb	48.0 ft lb
34	84.7	281.2	336,700 b	336,700b
36	84.3	281.0	336,700	336,700
38	83.9	280.8	336,700	336,700
40	83.4	280.5	336,700	336,700
45	82.4	279.8	336,700	336,700
50	81.3	279.1	336,700	336,700
55	80.3	278.2	336,700	336,700
60	79.2	277.2	336,100	336,100
65	78.2	276.1	332,700	332,700
70	77.1	275.0	323,900	329,300
75	76.0	273.7	295,300	325,900
80	75.0	272.4	270,800	319,000
85	73.9	270.9	249,600	310,900
90	72.8	269.3	231,200	296,000
95	71.7	267.7	214,900	275,900
100	70.6	265.9	200,500	258,000
105	69.5	264.0	187,600	242,000
110	68.3	262.0	176,000	227,700
115	67.2	259.9	165,500	214,700
120	66.1	257.6	155,900	202,900
125	64.9	255.3	147,300	192,100
130	63.8	252.8	139,300	182,300
135	62.6	250.2	132,000	173,200
140	61.4	247.4	125,200	164,900
145	60.2	244.6	119,000	157,100
150	59.0	241.5	113,200	150,000
155	57.8	238.4	107,800	143,300
160	56.5	235.0	102,700	137,000
165	55.3	231.6	98,000	131,200
170	54.0	227.9	93,600	125,700
175	52.7	224.1	89,400	120,600
180	51.3	220.1	85,500	115,700
185	50.0	215.9	81,800	111,200
190	48.6	211.4	78,300	106,900
195	47.2	206.8	75,000	102,800
200	45.7	201.9	71,700	98,900
210	42.7	191.4	65,400	91,800
220	39.5	179.6	59,600	85,300
230	36.0	166.3	54,400	79,300
240	32.2	151.2	49,500	73,900
250	28.0	133.4	45,000	68,900
260	23.0	111.7	40,800	64,300
270	16.7	82.9	36,900	60,000

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474,100 lb



295.3 ft				
ft	°	ft	34.8 ft lb	48.0 ft lb
36	84.7	300.8	301,400	301,400
38	84.3	300.6	301,400	301,400
40	83.9	300.4	301,400	301,400
45	82.9	299.7	301,400	301,400
50	81.9	299.0	301,400	301,400
55	80.9	298.2	301,400	301,400
60	80.0	297.3	301,400	301,400
65	79.0	296.3	301,400	301,400
70	78.0	295.2	298,000	298,000
75	77.0	294.0	290,700	290,700
80	76.0	292.8	270,600	282,500
85	75.0	291.4	249,400	274,200
90	74.0	289.9	230,900	265,900
95	72.9	288.4	214,600	257,100
100	71.9	286.7	200,200	248,500
105	70.9	285.0	187,300	240,200
110	69.9	283.1	175,700	227,400
115	68.8	281.2	165,200	214,400
120	67.8	279.1	155,600	202,600
125	66.7	277.0	146,900	191,800
130	65.7	274.7	139,000	182,000
135	64.6	272.3	131,700	172,900
140	63.5	269.8	124,900	164,500
145	62.4	267.1	118,600	156,800
150	61.3	264.4	112,800	149,600
155	60.2	261.5	107,400	142,900
160	59.0	258.5	102,400	136,700
165	57.9	255.3	97,700	130,900
170	56.7	252.0	93,200	125,400
175	55.5	248.6	89,100	120,200
180	54.4	245.0	85,200	115,400
185	53.1	241.2	81,500	110,800
190	51.9	237.3	78,000	106,500
195	50.6	233.2	74,600	102,500
200	49.4	228.9	71,200	98,600
210	46.7	219.7	64,900	91,400
220	44.0	209.6	59,200	84,900
230	41.1	198.4	53,900	79,000
240	38.0	186.0	49,100	73,600
250	34.6	172.0	44,600	68,700
260	31.0	156.1	40,500	64,100
270	26.9	137.4	36,700	56,900
280	22.1	114.7	33,000	48,600
290	15.9	84.4	29,600	32,200

315.0 ft				
ft	°	ft	34.8 ft lb	48.0 ft lb
36	85.0	320.6	260,900	260,900
38	84.6	320.4	260,900	260,900
40	84.3	320.2	260,900	260,900
45	83.4	319.6	260,900	260,900
50	82.4	318.9	260,900	260,900
55	81.5	318.1	260,900	260,900
60	80.6	317.3	260,900	260,900
65	79.7	316.4	260,900	260,900
70	78.7	315.3	260,900	260,900
75	77.8	314.2	260,900	260,900
80	76.9	313.1	260,900	260,900
85	75.9	311.8	247,400	260,900
90	75.0	310.4	228,800	260,900
95	74.0	309.0	212,500	260,900
100	73.1	307.5	198,000	255,600
105	72.1	305.8	185,100	239,600
110	71.2	304.1	173,500	225,200
115	70.2	302.3	163,000	212,200
120	69.2	300.4	153,400	200,400
125	68.3	298.4	144,700	189,600
130	67.3	296.3	136,700	179,700
135	66.3	294.0	129,400	170,600
140	65.3	291.7	122,600	162,300
145	64.3	289.3	116,400	154,500
150	63.2	286.8	110,500	147,300
155	62.2	284.1	105,100	140,600
160	61.2	281.3	100,100	134,400
165	60.1	278.5	95,400	128,600
170	59.1	275.5	90,900	123,100
175	58.0	272.3	86,800	117,900
180	56.9	269.0	82,800	113,100
185	55.8	265.6	78,800	108,500
190	54.7	262.1	75,000	104,200
195	53.6	258.4	71,500	100,100
200	52.4	254.5	68,100	96,300
210	50.0	246.3	61,700	89,100
220	47.6	237.3	56,000	82,600
230	45.1	227.6	50,800	76,800
240	42.4	216.9	46,000	71,400
250	39.6	205.1	41,500	66,400
260	36.6	192.0	37,400	61,800
270	33.4	177.4	33,600	57,600
280	29.8	160.7	30,100	53,700
290	25.9	141.3	26,700	50,000
300	21.2	117.5	23,600	46,600
310	15.1	85.8	20,600	43,300

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ASME B30.5



B65



474,100 lb



360°

334.6 ft				
ft	°	ft	34.8 ft lb	48.0 ft lb
38	85.0	340.2	225,400	225,400
40	84.6	340.0	225,400	225,400
45	83.7	339.4	225,400	225,400
50	82.9	338.8	225,400	225,400
55	82.0	338.1	225,400	225,400
60	81.2	337.3	225,400	225,400
65	80.3	336.4	225,400	225,400
70	79.4	335.4	225,400	225,400
75	78.5	334.4	225,400	225,400
80	77.7	333.3	225,400	225,400
85	76.8	332.1	225,400	225,400
90	75.9	330.8	225,400	225,400
95	75.0	329.5	212,100	225,400
100	74.1	328.0	197,600	225,400
105	73.2	326.5	184,700	225,400
110	72.3	324.9	173,000	224,700
115	71.4	323.2	162,500	211,700
120	70.5	321.4	152,900	199,900
125	69.6	319.6	144,200	189,100
130	68.7	317.6	136,300	179,200
135	67.8	315.5	128,900	170,200
140	66.8	313.4	122,100	161,800
145	65.9	311.1	115,900	154,000
150	64.9	308.8	110,100	146,900
155	64.0	306.3	104,700	140,200
160	63.0	303.8	99,600	133,900
165	62.1	301.1	94,900	128,100
170	61.1	298.3	90,400	122,600
175	60.1	295.4	86,300	117,500
180	59.1	292.4	82,100	112,600
185	58.1	289.3	78,100	108,000
190	57.1	286.0	74,300	103,700
195	56.0	282.6	70,700	99,700
200	55.0	279.1	67,300	95,800
210	52.8	271.7	61,000	88,600
220	50.6	263.6	55,300	82,200
230	48.4	254.9	50,100	76,300
240	46.0	245.4	45,300	70,900
250	43.6	235.1	40,900	66,000
260	41.0	223.9	36,800	61,400
270	38.3	211.5	33,000	57,200
280	35.4	197.9	29,500	53,300
290	32.2	182.6	26,200	49,700
300	28.8	165.2	23,100	46,300
310	24.9	144.9	20,200	43,100
320	20.4	120.2	17,400	40,000

354.3 ft				
ft	°	ft	34.8 ft lb	48.0 ft lb
40	84.9	359.8	196,600	196,600
45	84.1	359.2	196,600	196,600
50	83.3	358.6	196,600	196,600
55	82.5	357.9	196,600	196,600
60	81.7	357.2	196,600	196,600
65	80.8	356.4	196,600	196,600
70	80.0	355.5	196,600	196,600
75	79.2	354.5	196,600	196,600
80	78.4	353.5	196,600	196,600
85	77.5	352.3	196,600	196,600
90	76.7	351.1	196,600	196,600
95	75.9	349.9	196,600	196,600
100	75.0	348.5	195,200	196,600
105	74.2	347.1	182,300	196,600
110	73.3	345.6	170,600	196,300
115	72.5	344.0	160,100	194,500
120	71.6	342.3	150,500	189,600
125	70.8	340.6	141,800	184,800
130	69.9	338.7	133,800	176,800
135	69.1	336.8	126,500	167,700
140	68.2	334.8	119,700	159,400
145	67.3	332.7	113,400	151,600
150	66.4	330.5	107,600	144,400
155	65.5	328.2	102,200	137,700
160	64.6	325.8	97,100	131,500
165	63.7	323.3	92,100	125,600
170	62.8	320.7	87,300	120,100
175	61.9	318.1	82,900	115,000
180	61.0	315.3	78,700	110,100
185	60.1	312.4	74,700	105,600
190	59.1	309.4	70,900	100,400
195	58.2	306.2	67,300	95,500
200	57.2	303.0	63,900	90,900
210	55.2	296.2	57,600	82,600
220	53.2	288.8	51,900	75,200
230	51.2	280.9	46,700	68,700
240	49.0	272.4	41,900	62,900
250	46.8	263.1	37,500	57,700
260	44.6	253.2	33,500	53,100
270	42.2	242.4	29,700	49,100
280	39.7	230.6	26,200	45,500
290	37.0	217.7	22,900	42,300
300	34.2	203.5	19,800	39,600
310	31.2	187.5	17,000	36,700
320	27.8	169.4	14,200	33,700
330	24.1	148.3	11,700	31,300
340	19.6	122.6	9,400	29,400



# MLC300 VPC-MAX S-3

ASME B30.5



B65



474,100 lb



360°

374.0 ft				
ft	°	ft	34.8 ft lb	48.0 ft lb
45	84.4	379.0	170,900	170,900
50	83.6	378.5	170,900	170,900
55	82.9	377.8	170,900	170,900
60	82.1	377.1	170,900	170,900
65	81.3	376.3	170,900	170,900
70	80.5	375.5	170,900	170,900
75	79.8	374.6	170,900	170,900
80	79.0	373.6	170,900	170,900
85	78.2	372.5	170,900	170,900
90	77.4	371.4	170,700	170,700
95	76.6	370.2	170,600	170,600
100	75.8	368.9	170,400	170,400
105	75.0	367.6	166,800	166,800
110	74.2	366.1	162,000	162,000
115	73.4	364.6	157,400	157,400
120	72.6	363.1	149,700	153,000
125	71.8	361.4	141,000	148,800
130	71.0	359.7	133,000	144,800
135	70.2	357.9	125,600	140,900
140	69.4	356.0	118,900	137,200
145	68.6	354.0	112,600	133,600
150	67.7	351.9	106,800	130,200
155	66.9	349.8	101,300	123,800
160	66.1	347.6	95,900	116,700
165	65.2	345.2	90,800	110,200
170	64.4	342.8	86,100	104,100
175	63.5	340.3	81,600	98,400
180	62.7	337.7	77,400	93,100
185	61.8	335.0	73,400	88,200
190	60.9	332.2	69,700	83,600
195	60.0	329.3	66,100	79,200
200	59.1	326.3	62,700	75,100
210	57.3	320.0	56,400	67,700
220	55.5	313.2	50,700	61,100
230	53.6	305.9	45,500	55,200
240	51.6	298.1	40,700	49,900
250	49.6	289.8	36,300	45,100
260	47.6	280.8	32,300	40,800
270	45.4	271.1	28,500	37,000
280	43.2	260.7	25,000	33,500
290	40.9	249.4	21,800	30,400
300	38.5	237.1	18,700	27,500
310	35.9	223.7	15,900	25,100
320	33.2	208.8	13,200	22,900
330	30.2	192.3	10,600	21,000
340	27.0	173.5		19,500
350	23.3	151.6		17,500
360	18.9	124.9		15,700

393.7 ft				
ft	°	ft	34.8 ft lb	48.0 ft lb
45	84.7	398.8	149,300	149,300
50	84.0	398.3	149,300	149,300
55	83.2	397.7	149,300	149,300
60	82.5	397.0	149,300	149,300
65	81.8	396.3	149,300	149,300
70	81.0	395.5	149,300	149,300
75	80.3	394.6	149,200	149,200
80	79.5	393.7	149,100	149,100
85	78.8	392.6	149,000	149,000
90	78.1	391.6	148,900	148,900
95	77.3	390.4	148,800	148,800
100	76.6	389.2	144,500	144,500
105	75.8	388.0	140,000	140,000
110	75.1	386.6	135,700	135,700
115	74.3	385.2	131,500	131,500
120	73.5	383.7	127,500	127,500
125	72.8	382.1	123,800	123,800
130	72.0	380.5	120,100	120,100
135	71.2	378.8	116,700	116,700
140	70.5	377.0	113,400	113,400
145	69.7	375.1	110,200	110,200
150	68.9	373.2	104,400	107,200
155	68.1	371.2	98,700	104,300
160	67.3	369.1	93,300	101,500
165	66.5	366.9	88,200	96,300
170	65.7	364.6	83,500	90,700
175	64.9	362.3	79,000	85,500
180	64.1	359.8	74,800	80,600
185	63.3	357.3	70,800	76,100
190	62.5	354.7	67,100	71,800
195	61.7	352.0	63,500	67,800
200	60.8	349.2	60,100	64,000
210	59.1	343.3	53,800	57,100
220	57.4	337.0	48,100	50,900
230	55.7	330.2	42,900	45,400
240	53.9	323.0	38,100	40,400
250	52.0	315.3	33,700	35,900
260	50.2	307.1	29,700	31,800
270	48.2	298.3	25,900	28,100
280	46.2	288.9	22,400	24,700
290	44.1	278.8	19,200	21,600
300	42.0	267.9	16,200	18,800
310	39.7	256.1	13,300	16,300
320	37.4	243.3	10,600	14,000
330	34.9	229.4		11,900
340	32.2	214.0		10,100

# MLC300 VPC-MAX S-3

ASME B30.5



B65



474,100 lb



360°

ft	°	ft	34.8 ft lb	48.0 ft lb
45	84.9	418.6	130,000	130,000
50	84.2	418.1	130,000	130,000
55	83.6	417.5	130,000	130,000
60	82.9	416.9	129,900	129,900
65	82.2	416.2	129,800	129,800
70	81.5	415.4	129,800	129,800
75	80.7	414.6	129,600	129,600
80	80.0	413.7	129,600	129,600
85	79.3	412.7	129,100	129,100
90	78.6	411.7	124,900	124,900
95	77.9	410.6	120,900	120,900
100	77.2	409.5	116,900	116,900
105	76.5	408.3	113,200	113,200
110	75.8	407.0	109,600	109,600
115	75.1	405.6	106,200	106,200
120	74.3	404.2	103,000	103,000
125	73.6	402.7	99,900	99,900
130	72.9	401.2	96,900	96,900
135	72.2	399.6	94,100	94,100
140	71.4	397.9	91,400	91,400
145	70.7	396.1	88,800	88,800
150	70.0	394.3	86,400	86,400
155	69.2	392.4	84,000	84,000
160	68.5	390.4	81,800	81,800
165	67.7	388.3	79,600	79,600
170	67.0	386.2	77,600	77,600
175	66.2	384.0	75,600	75,600
180	65.5	381.7	73,700	73,700
185	64.7	379.3	69,400	69,400
190	63.9	376.8	65,300	65,300
195	63.1	374.3	61,500	61,500
200	62.4	371.7	57,900	57,900
210	60.8	366.1	51,400	51,400
220	59.2	360.2	45,500	45,500
230	57.5	354.0	40,200	40,200
240	55.9	347.3	35,400	35,400
250	54.2	340.1	31,000	31,000
260	52.4	332.5	27,100	27,100
270	50.6	324.4	23,500	23,500
280	48.8	315.8	20,200	20,200
290	46.9	306.6	17,200	17,200
300	45.0	296.8	14,500	14,500
310	43.0	286.2	12,000	12,000