

Liftcrane Boom Capacities

Boom No. B60:500

with Mast No. M10:503 or 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.

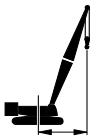
Upper boom point capacity for liftcrane service with single part whip line from Drum 6 is 30,000 lb or 60,000 lb with two part whip line. When Drum 2 or Drum 3 is used, capacity with single part whip line is 36,700 lb or 73,500 lb with two part whip line. In all cases, upper boom point capacities cannot exceed those listed for main boom capacity.

Weight of all load blocks, hooks, weight ball, slings, hoist lines, etc., beneath boom and jib 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) requires 10,000 lb minimum weight suspended beneath boom point, (c) requires 22,000 lb minimum weight, and (d) requires 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. 81023382**, Mast Rigging **No. 81025690** or **No. 84045340**, Wire Rope Specification chart **No. 9434-A**, Counterweight Arrangement **No. 9345-A**, and Wind Conditions chart **No. 9435-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 Specification chart **No. 9436-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.

Consult chart **No. 9476-A** when Jib No. 148 is attached.

MLC300 VPC-MAX S-3

ASME B30.5



Luffing Jib Backstay Deduct	
Boom Length (ft)	Deduct (lb)
137.8	4,100
157.5	4,600
177.2	5,200
196.9	5,800
216.5	6,400
236.2	6,900
255.9	7,500
275.6	8,100
295.3	8,700
315.0	9,300
334.6	9,800
354.3	10,400
374.0	11,000
393.7	11,600
Deduct the appropriate value from capacities when luffing jib backstays are stored on boom.	

Deduct From Capacities When Jib No. 148 Is Attached	
Jib Length (ft)	Deduct (lb)
39.4	31,500
59.1	39,400
78.7	49,000
98.4	59,600
118.1	75,100
137.8	85,600
Weight of jib and 6,500 lb suspended beneath jib point have been included in determination of deduct.	

MLC300 VPC-MAX S-3

ASME B30.5



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 balls, slings, and hoist lines beneath boom point sheaves. For block weights shown with #, load blocks, hooks, weight balls, and slings must remain on ground until combined weights are within rated capacity of chart.

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)	Counterweight Position	
	34.8 ft	48.0 ft
	Block Weight (lb)	
137.8	22,900	22,900
157.5	22,900	22,900
177.2	22,900	22,900
196.9	22,900	22,900
216.5	22,900	22,900
236.2	22,900	22,900
255.9	22,900	22,900
275.5	22,900	22,900
295.3	22,900	22,900
315.0	#	#
334.6	#	#
354.3	#	#
374.0	#	#
393.7	#	#

Table 2: Without Luffing Jib Backstays

Over End or Side of Crawlers		
Boom Length (ft)	Counterweight Position	
	34.8 ft	48.0 ft
	Block Weight (lb)	
137.8	22,900	22,900
157.5	22,900	22,900
177.2	22,900	22,900
196.9	22,900	22,900
216.5	22,900	22,900
236.2	22,900	22,900
255.9	22,900	22,900
275.5	22,900	22,900
295.3	22,900	22,900
315.0	8,300	8,300
334.6	#	#
354.3	#	#
374.0	#	#
393.7	#	#

Explanation of Symbols



Boom No. B60:500



VPC (Variable Position Counterweight)



360 Degree Rating



Boom Length



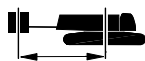
Operating Radius
(see page 1)



Boom Angle
(see page 1)



Boom Point Elevation
(see page 1)



Counterweight Position
from Axis of Rotation



Lifting Capacities
(see page 1)

MLC300 VPC-MAX S-3

ASME B30.5



B60



474,100 lb



137.8 ft				
ft	°	ft	lb	lb
26	82.7	143.4	661,400 d	661,400d
28	81.9	143.1	661,400 d	661,400d
30	81.0	142.7	661,400 c	661,400c
32	80.2	142.3	651,000 c	651,000c
34	79.3	141.9	633,300 c	633,300c
36	78.5	141.5	616,500 c	616,500c
38	77.6	141.0	600,500 c	600,500c
40	76.8	140.5	585,100 c	585,100c
45	74.6	139.1	521,400 b	549,800b
50	72.4	137.4	459,000 b	518,100b
55	70.2	135.6	409,100 b	518,100b
60	68.0	133.5	368,200	509,300
65	65.7	131.2	334,100	460,400
70	63.3	128.7	305,300	418,500
75	61.0	125.9	280,500	383,100
80	58.5	122.8	259,100	352,900
85	56.0	119.4	240,300	326,800
90	53.4	115.7	223,700	304,000
95	50.7	111.5	208,900	284,000
100	47.9	107.0	195,700	266,100
105	45.0	102.0	183,800	250,200
110	41.9	96.4	173,000	235,900
115	38.5	90.2	163,100	223,000
120	34.9	83.1	154,100	211,200
125	31.0	75.0	145,800	200,400
130	26.4	65.2	138,200	190,600
135	20.9	53.0	131,100	181,500

157.5 ft				
ft	°	ft	lb	lb
24	84.4	163.5	613,000 d	613,000d
26	83.6	163.3	613,000 d	613,000d
28	82.9	163.0	613,000 c	613,000c
30	82.2	162.7	613,000 c	613,000c
32	81.4	162.3	613,000 c	613,000c
34	80.7	162.0	602,200 c	602,200c
36	79.9	161.6	587,100 c	587,100c
38	79.2	161.2	572,600 b	572,600b
40	78.5	160.7	558,700 b	558,700b
45	76.6	159.5	521,300 b	526,600b
50	74.7	158.1	458,700 b	497,500b
55	72.8	156.5	408,600	489,200
60	70.9	154.8	367,700	489,200
65	68.9	152.8	333,500	460,200
70	66.9	150.6	304,600	418,200
75	64.9	148.3	279,800	382,800
80	62.9	145.7	258,300	352,600
85	60.8	142.8	239,500	326,400
90	58.6	139.8	222,800	303,600
95	56.5	136.4	208,000	283,500
100	54.2	132.8	194,800	265,600
105	51.9	128.9	182,900	249,700
110	49.5	124.6	172,100	235,400
115	47.0	119.9	162,200	222,400
120	44.4	114.8	153,200	210,600
125	41.7	109.2	145,000	199,900
130	38.8	103.0	137,400	190,000
135	35.7	96.1	130,300	181,000
140	32.3	88.3	123,800	172,600
145	28.6	79.3	117,700	164,800
150	24.3	68.7	112,000	157,600
155	19.1	55.2	106,600	150,800

MLC300 VPC-MAX S-3

ASME B30.5



B60



474,100 lb



360°

177.2 ft				
ft	°	ft	lb	lb
24	85.0	183.3	553,900 d	553,900d
26	84.3	183.1	553,900 d	553,900d
28	83.7	182.8	553,900 c	553,900c
30	83.0	182.6	553,900 c	553,900c
32	82.4	182.3	553,900 c	553,900c
34	81.7	182.0	553,900 c	553,900c
36	81.1	181.6	553,900 c	553,900c
38	80.4	181.2	544,300 b	544,300b
40	79.8	180.9	532,000 b	532,000b
45	78.1	179.8	503,100 b	503,100b
50	76.4	178.5	459,200 b	476,700b
55	74.8	177.1	409,000	452,700
60	73.1	175.6	368,000	452,700
65	71.4	173.9	333,800	452,700
70	69.6	172.0	304,900	418,600
75	67.9	169.9	280,000	383,200
80	66.1	167.7	258,500	352,900
85	64.3	165.3	239,600	326,700
90	62.5	162.6	223,000	303,900
95	60.6	159.8	208,200	283,700
100	58.7	156.7	194,900	265,900
105	56.8	153.4	183,000	249,900
110	54.8	149.9	172,200	235,600
115	52.8	146.1	162,400	222,600
120	50.7	142.0	153,400	210,800
125	48.5	137.5	145,100	200,100
130	46.3	132.7	137,500	190,200
135	44.0	127.6	130,500	181,200
140	41.5	121.9	124,000	172,800
145	39.0	115.8	117,900	165,100
150	36.2	109.0	112,300	157,900
155	33.3	101.5	107,000	151,200
160	30.1	93.0	102,000	144,900
165	26.6	83.3	97,300	139,000
170	22.5	71.8	92,900	133,500
175	17.5	57.1	88,700	128,300

196.9 ft				
ft	°	ft	lb	lb
26	84.9	202.9	500,100 c	500,100c
28	84.3	202.7	500,100 c	500,100c
30	83.7	202.4	500,100 c	500,100c
32	83.2	202.2	500,100 c	500,100c
34	82.6	201.9	500,100 c	500,100c
36	82.0	201.6	500,100 b	500,100b
38	81.4	201.2	500,100 b	500,100b
40	80.8	200.9	500,100 b	500,100b
45	79.3	199.9	476,800 b	476,800b
50	77.8	198.8	453,200	453,200
55	76.3	197.6	407,700	431,500
60	74.8	196.2	366,600	411,500
65	73.3	194.7	332,300	411,500
70	71.8	193.0	303,400	411,500
75	70.2	191.2	278,500	382,200
80	68.6	189.2	256,900	351,900
85	67.1	187.0	238,100	325,700
90	65.5	184.7	221,400	302,800
95	63.8	182.3	206,600	282,700
100	62.2	179.6	193,300	264,800
105	60.5	176.7	181,400	248,800
110	58.8	173.7	170,600	234,500
115	57.1	170.4	160,700	221,500
120	55.3	167.0	151,700	209,700
125	53.5	163.2	143,500	198,900
130	51.6	159.3	135,900	189,100
135	49.7	155.0	128,800	180,000
140	47.7	150.5	122,300	171,700
145	45.7	145.6	116,300	163,900
150	43.6	140.3	110,600	156,700
155	41.4	134.7	105,300	150,000
160	39.1	128.5	100,400	143,800
165	36.7	121.9	95,700	137,900
170	34.1	114.6	91,400	132,400
175	31.3	106.5	87,200	127,200
180	28.3	97.4	83,300	122,400
185	24.9	86.9	79,600	117,800
190	21.0	74.5	76,000	113,400
195	16.2	58.7	72,600	109,200

MLC300 VPC-MAX S-3

ASME B30.5



B60



474,100 lb



360°

216.5 ft				
ft	°	ft	lb	lb
28	84.8	222.5	449,900 c	449,900c
30	84.3	222.3	449,900 c	449,900c
32	83.8	222.0	449,900 c	449,900c
34	83.2	221.8	449,900 b	449,900b
36	82.7	221.5	449,900 b	449,900b
38	82.2	221.2	449,900 b	449,900b
40	81.6	220.9	449,900 b	449,900b
45	80.3	220.0	449,900	449,900
50	79.0	219.0	430,400	430,400
55	77.6	217.9	407,500	411,000
60	76.2	216.6	366,400	393,000
65	74.9	215.2	332,100	376,300
70	73.5	213.7	303,100	376,300
75	72.1	212.1	278,200	376,300
80	70.7	210.3	256,600	351,800
85	69.3	208.4	237,800	325,600
90	67.8	206.3	221,100	302,700
95	66.4	204.1	206,300	282,600
100	64.9	201.8	193,000	264,700
105	63.4	199.2	181,000	248,700
110	61.9	196.6	170,200	234,300
115	60.4	193.7	160,400	221,300
120	58.9	190.7	151,400	209,500
125	57.3	187.4	143,100	198,800
130	55.7	184.0	135,500	188,900
135	54.1	180.4	128,500	179,800
140	52.4	176.5	122,000	171,500
145	50.7	172.4	115,900	163,700
150	48.9	168.0	110,300	156,500
155	47.1	163.4	105,000	149,900
160	45.2	158.4	100,100	143,600
165	43.3	153.1	95,500	137,800
170	41.3	147.4	91,100	132,300
175	39.2	141.3	87,000	127,100
180	37.0	134.7	83,100	122,300
185	34.7	127.6	79,400	117,700
190	32.3	119.7	75,900	113,300
195	29.6	111.1	72,600	109,200
200	26.7	101.4	69,400	105,300
210	19.8	77.0	63,500	98,100

236.2 ft				
ft	°	ft	lb	lb
30	84.8	242.1	390,100 c	390,100c
32	84.3	241.8	390,100 b	390,100b
34	83.8	241.6	390,100 b	390,100b
36	83.3	241.3	390,100 b	390,100b
38	82.8	241.1	390,100 b	390,100b
40	82.3	240.8	390,100 b	390,100b
45	81.1	240.0	390,100	390,100
50	79.9	239.1	389,600	389,600
55	78.6	238.0	381,600	381,600
60	77.4	236.9	372,400	372,400
65	76.2	235.6	347,700	357,400
70	74.9	234.3	317,300	343,600
75	73.6	232.8	291,200	343,600
80	72.4	231.2	268,600	341,600
85	71.1	229.4	248,800	324,200
90	69.8	227.6	231,400	301,300
95	68.5	225.6	215,900	281,100
100	67.2	223.5	202,000	263,200
105	65.8	221.2	189,400	247,200
110	64.5	218.8	178,100	232,900
115	63.1	216.2	167,800	219,900
120	61.7	213.5	158,400	208,100
125	60.3	210.6	149,800	197,300
130	58.9	207.6	141,800	187,400
135	57.5	204.4	134,500	178,400
140	56.0	201.0	127,700	170,000
145	54.5	197.4	121,300	162,200
150	53.0	193.7	115,400	155,000
155	51.5	189.7	109,900	148,400
160	49.9	185.4	104,800	142,100
165	48.2	181.0	99,900	136,300
170	46.6	176.2	95,400	130,800
175	44.8	171.2	91,100	125,600
180	43.1	165.9	87,000	120,800
185	41.2	160.2	83,200	116,200
190	39.3	154.1	79,500	111,900
195	37.3	147.5	76,100	107,800
200	35.2	140.5	72,800	103,900
210	30.7	124.6	66,700	96,700
220	25.4	105.1	61,100	90,100
230	18.6	79.2	55,900	84,100

MLC300 VPC-MAX S-3

ASME B30.5



B60



474,100 lb



360°

255.9 ft				
ft	°	ft	lb	lb
32	84.7	261.6	324,700 b	324,700b
34	84.3	261.4	324,700 b	324,700b
36	83.8	261.2	324,700 b	324,700b
38	83.4	260.9	324,700 b	324,700b
40	82.9	260.7	324,700	324,700
45	81.8	259.9	324,700	324,700
50	80.7	259.1	324,700	324,700
55	79.5	258.1	324,700	324,700
60	78.4	257.1	324,700	324,700
65	77.2	255.9	324,700	324,700
70	76.1	254.7	316,600	324,700
75	74.9	253.3	290,500	318,300
80	73.8	251.8	267,800	318,300
85	72.6	250.3	248,000	310,400
90	71.4	248.5	230,500	300,800
95	70.2	246.7	215,000	280,600
100	69.0	244.8	201,100	262,700
105	67.8	242.7	188,500	246,700
110	66.6	240.5	177,200	232,300
115	65.3	238.2	166,900	219,300
120	64.1	235.8	157,500	207,500
125	62.8	233.2	148,800	196,700
130	61.6	230.5	140,900	186,800
135	60.3	227.6	133,500	177,800
140	59.0	224.6	126,700	169,400
145	57.6	221.4	120,400	161,600
150	56.3	218.0	114,500	154,400
155	54.9	214.5	109,000	147,700
160	53.5	210.8	103,800	141,500
165	52.1	206.9	99,000	135,600
170	50.7	202.8	94,400	130,200
175	49.2	198.5	90,200	125,000
180	47.7	193.9	86,100	120,200
185	46.1	189.1	82,300	115,600
190	44.5	184.0	78,700	111,300
195	42.9	178.6	75,200	107,200
200	41.2	172.9	72,000	103,300
210	37.6	160.4	65,900	96,100
220	33.7	146.0	60,400	89,600
230	29.3	129.1	55,300	83,700
240	24.1	108.5	50,600	78,200
250	17.6	81.1	46,200	73,200

275.6 ft				
ft	°	ft	lb	lb
34	84.7	281.2	275,800 b	275,800b
36	84.3	281.0	275,800	275,800
38	83.9	280.8	275,800	275,800
40	83.4	280.5	275,800	275,800
45	82.4	279.8	275,800	275,800
50	81.3	279.1	275,800	275,800
55	80.3	278.2	275,800	275,800
60	79.2	277.2	275,800	275,800
65	78.2	276.1	275,800	275,800
70	77.1	275.0	275,800	275,800
75	76.0	273.7	275,800	275,800
80	75.0	272.4	274,200	275,800
85	73.9	270.9	252,900	275,800
90	72.8	269.3	234,400	272,900
95	71.7	267.7	218,000	265,600
100	70.6	265.9	203,500	258,600
105	69.5	264.0	190,600	245,100
110	68.3	262.0	179,000	230,700
115	67.2	259.9	168,400	217,700
120	66.1	257.6	158,900	205,900
125	64.9	255.3	150,200	195,100
130	63.8	252.8	142,200	185,200
135	62.6	250.2	134,800	176,100
140	61.4	247.4	128,100	167,800
145	60.2	244.6	121,800	160,000
150	59.0	241.5	116,000	152,800
155	57.8	238.4	110,600	146,100
160	56.5	235.0	105,500	139,800
165	55.3	231.6	100,800	134,000
170	54.0	227.9	96,300	128,500
175	52.7	224.1	92,200	123,400
180	51.3	220.1	88,300	118,500
185	50.0	215.9	84,600	114,000
190	48.6	211.4	81,100	109,600
195	47.2	206.8	77,800	105,500
200	45.7	201.9	74,600	101,700
210	42.7	191.4	68,700	94,500
220	39.5	179.6	63,000	88,000
230	36.0	166.3	57,700	82,100
240	32.2	151.2	52,900	76,700
250	28.0	133.4	48,400	71,700
260	23.0	111.7	44,300	67,100
270	16.7	82.9	40,300	62,800

MLC300 VPC-MAX S-3

ASME B30.5



B60



474,100 lb



295.3 ft				
ft	°	ft	lb	lb
36	84.7	300.8	231,200	231,200
38	84.3	300.6	231,200	231,200
40	83.9	300.4	231,200	231,200
45	82.9	299.7	231,200	231,200
50	81.9	299.0	231,200	231,200
55	80.9	298.2	231,200	231,200
60	80.0	297.3	231,200	231,200
65	79.0	296.3	231,200	231,200
70	78.0	295.2	231,200	231,200
75	77.0	294.0	231,200	231,200
80	76.0	292.8	231,200	231,200
85	75.0	291.4	231,200	231,200
90	74.0	289.9	229,900	229,900
95	72.9	288.4	217,800	225,400
100	71.9	286.7	203,300	220,900
105	70.9	285.0	190,300	216,100
110	69.9	283.1	178,700	210,900
115	68.8	281.2	168,200	205,800
120	67.8	279.1	158,600	200,900
125	66.7	277.0	149,900	194,800
130	65.7	274.7	141,900	184,900
135	64.6	272.3	134,600	175,900
140	63.5	269.8	127,800	167,500
145	62.4	267.1	121,500	159,700
150	61.3	264.4	115,700	152,500
155	60.2	261.5	110,300	145,800
160	59.0	258.5	105,200	139,600
165	57.9	255.3	100,500	133,700
170	56.7	252.0	96,100	128,200
175	55.5	248.6	91,900	123,100
180	54.4	245.0	88,000	118,300
185	53.1	241.2	84,300	113,700
190	51.9	237.3	80,800	109,400
195	50.6	233.2	77,500	105,300
200	49.4	228.9	74,400	101,400
210	46.7	219.7	68,400	94,300
220	44.0	209.6	62,600	87,800
230	41.1	198.4	57,400	81,900
240	38.0	186.0	52,600	76,500
250	34.6	172.0	48,200	71,500
260	31.0	156.1	44,000	66,900
270	26.9	137.4	40,200	62,700
280	22.1	114.7	36,600	58,700
290	15.9	84.4	33,200	55,000

315.0 ft				
ft	°	ft	lb	lb
36	85.0	320.6	199,400	199,400
38	84.6	320.4	199,400	199,400
40	84.3	320.2	199,400	199,400
45	83.4	319.6	199,400	199,400
50	82.4	318.9	199,400	199,400
55	81.5	318.1	199,400	199,400
60	80.6	317.3	199,400	199,400
65	79.7	316.4	199,400	199,400
70	78.7	315.3	199,400	199,400
75	77.8	314.2	199,400	199,400
80	76.9	313.1	199,400	199,400
85	75.9	311.8	199,400	199,400
90	75.0	310.4	199,400	199,400
95	74.0	309.0	199,400	199,400
100	73.1	307.5	199,400	199,400
105	72.1	305.8	188,800	199,400
110	71.2	304.1	177,200	199,400
115	70.2	302.3	166,600	199,400
120	69.2	300.4	157,100	199,400
125	68.3	298.4	148,300	193,300
130	67.3	296.3	140,300	183,400
135	66.3	294.0	133,000	174,300
140	65.3	291.7	126,200	165,900
145	64.3	289.3	119,900	158,100
150	63.2	286.8	114,100	150,900
155	62.2	284.1	108,700	144,200
160	61.2	281.3	103,600	138,000
165	60.1	278.5	98,900	132,100
170	59.1	275.5	94,400	126,600
175	58.0	272.3	90,300	121,500
180	56.9	269.0	86,400	116,600
185	55.8	265.6	82,700	112,000
190	54.7	262.1	79,200	107,700
195	53.6	258.4	75,800	103,600
200	52.4	254.5	72,400	99,800
210	50.0	246.3	66,100	92,600
220	47.6	237.3	60,400	86,100
230	45.1	227.6	55,100	80,200
240	42.4	216.9	50,300	74,800
250	39.6	205.1	45,900	69,900
260	36.6	192.0	41,800	65,300
270	33.4	177.4	38,000	61,100
280	29.8	160.7	34,500	57,100
290	25.9	141.3	31,100	53,500
300	21.2	117.5	28,000	50,000
310	15.1	85.8	25,000	46,800

MLC300 VPC-MAX S-3

ASME B30.5



B60



474,100 lb



360°

334.6 ft				
ft	°	ft	lb	lb
38	85.0	340.2	168,100	168,100
40	84.6	340.0	168,100	168,100
45	83.7	339.4	168,100	168,100
50	82.9	338.8	168,100	168,100
55	82.0	338.1	168,100	168,100
60	81.2	337.3	168,100	168,100
65	80.3	336.4	168,100	168,100
70	79.4	335.4	168,100	168,100
75	78.5	334.4	168,100	168,100
80	77.7	333.3	168,100	168,100
85	76.8	332.1	168,100	168,100
90	75.9	330.8	168,100	168,100
95	75.0	329.5	168,100	168,100
100	74.1	328.0	168,100	168,100
105	73.2	326.5	168,100	168,100
110	72.3	324.9	167,100	167,100
115	71.4	323.2	166,100	166,100
120	70.5	321.4	156,500	163,600
125	69.6	319.6	147,800	160,000
130	68.7	317.6	139,800	156,500
135	67.8	315.5	132,400	153,000
140	66.8	313.4	125,700	149,800
145	65.9	311.1	119,400	146,500
150	64.9	308.8	113,600	143,500
155	64.0	306.3	108,100	140,600
160	63.0	303.8	103,100	137,400
165	62.1	301.1	98,300	131,600
170	61.1	298.3	93,900	126,100
175	60.1	295.4	89,700	120,900
180	59.1	292.4	85,800	116,100
185	58.1	289.3	82,100	111,500
190	57.1	286.0	78,600	107,200
195	56.0	282.6	75,100	103,100
200	55.0	279.1	71,700	99,200
210	52.8	271.7	65,400	91,600
220	50.6	263.6	59,600	84,400
230	48.4	254.9	54,400	78,100
240	46.0	245.4	49,600	72,400
250	43.6	235.1	45,200	67,500
260	41.0	223.9	41,200	63,100
270	38.3	211.5	37,400	59,300
280	35.4	197.9	33,900	56,000
290	32.2	182.6	30,600	53,100
300	28.8	165.2	27,500	49,700
310	24.9	144.9	24,600	46,500
320	20.4	120.2	21,800	43,500

354.3 ft				
ft	°	ft	lb	lb
40	84.9	359.8	147,400	147,400
45	84.1	359.2	147,400	147,400
50	83.3	358.6	147,400	147,400
55	82.5	357.9	147,400	147,400
60	81.7	357.2	147,400	147,400
65	80.8	356.4	147,400	147,400
70	80.0	355.5	147,400	147,400
75	79.2	354.5	147,400	147,400
80	78.4	353.5	147,400	147,400
85	77.5	352.3	147,400	147,400
90	76.7	351.1	147,400	147,400
95	75.9	349.9	147,400	147,400
100	75.0	348.5	147,400	147,400
105	74.2	347.1	147,000	147,000
110	73.3	345.6	143,000	143,000
115	72.5	344.0	139,200	139,200
120	71.6	342.3	135,500	135,500
125	70.8	340.6	131,900	131,900
130	69.9	338.7	128,500	128,500
135	69.1	336.8	125,100	125,100
140	68.2	334.8	121,900	121,900
145	67.3	332.7	117,800	118,900
150	66.4	330.5	111,900	115,800
155	65.5	328.2	106,500	113,000
160	64.6	325.8	101,500	110,200
165	63.7	323.3	96,700	107,600
170	62.8	320.7	92,300	105,100
175	61.9	318.1	88,100	102,700
180	61.0	315.3	84,100	100,400
185	60.1	312.4	80,100	98,100
190	59.1	309.4	76,300	96,100
195	58.2	306.2	72,800	94,100
200	57.2	303.0	69,400	92,200
210	55.2	296.2	63,100	88,700
220	53.2	288.8	57,400	84,000
230	51.2	280.9	52,200	78,100
240	49.0	272.4	47,400	72,700
250	46.8	263.1	43,000	67,800
260	44.6	253.2	38,900	63,000
270	42.2	242.4	35,200	58,900
280	39.7	230.6	31,700	55,100
290	37.0	217.7	28,400	51,500
300	34.2	203.5	25,300	48,100
310	31.2	187.5	22,500	44,900
320	27.8	169.4	19,700	41,900
330	24.1	148.3	17,200	39,100
340	19.6	122.6	14,700	36,500

MLC300 VPC-MAX S-3

ASME B30.5



B60



474,100 lb



360°

374.0 ft				
ft	°	ft	lb	lb
45	84.4	379.0	129,200	129,200
50	83.6	378.5	129,200	129,200
55	82.9	377.8	129,200	129,200
60	82.1	377.1	129,200	129,200
65	81.3	376.3	129,200	129,200
70	80.5	375.5	129,200	129,200
75	79.8	374.6	129,200	129,200
80	79.0	373.6	129,200	129,200
85	78.2	372.5	129,100	129,100
90	77.4	371.4	129,000	129,000
95	76.6	370.2	128,900	128,900
100	75.8	368.9	128,700	128,700
105	75.0	367.6	128,400	128,400
110	74.2	366.1	127,600	127,600
115	73.4	364.6	126,800	126,800
120	72.6	363.1	124,700	124,700
125	71.8	361.4	121,500	121,500
130	71.0	359.7	118,500	118,500
135	70.2	357.9	115,500	115,500
140	69.4	356.0	112,600	112,600
145	68.6	354.0	109,900	109,900
150	67.7	351.9	107,300	107,300
155	66.9	349.8	104,700	104,700
160	66.1	347.6	100,800	102,200
165	65.2	345.2	96,100	99,700
170	64.4	342.8	91,600	97,400
175	63.5	340.3	87,400	95,200
180	62.7	337.7	83,200	93,000
185	61.8	335.0	79,200	91,000
190	60.9	332.2	75,400	89,000
195	60.0	329.3	71,900	87,100
200	59.1	326.3	68,500	85,300
210	57.3	320.0	62,200	81,800
220	55.5	313.2	56,500	78,800
230	53.6	305.9	51,300	75,400
240	51.6	298.1	46,500	69,300
250	49.6	289.8	42,100	63,800
260	47.6	280.8	38,100	58,900
270	45.4	271.1	34,300	54,500
280	43.2	260.7	30,800	50,600
290	40.9	249.4	27,600	47,100
300	38.5	237.1	24,500	44,000
310	35.9	223.7	21,700	41,300
320	33.2	208.8	19,000	38,900
330	30.2	192.3	16,400	37,000
340	27.0	173.5	14,000	35,500
350	23.3	151.6	11,700	33,500
360	18.9	124.9		31,100

393.7 ft				
ft	°	ft	lb	lb
45	84.7	398.8	113,500	113,500
50	84.0	398.3	113,500	113,500
55	83.2	397.7	113,500	113,500
60	82.5	397.0	113,500	113,500
65	81.8	396.3	113,500	113,500
70	81.0	395.5	113,500	113,500
75	80.3	394.6	113,400	113,400
80	79.5	393.7	113,300	113,300
85	78.8	392.6	113,200	113,200
90	78.1	391.6	113,100	113,100
95	77.3	390.4	113,000	113,000
100	76.6	389.2	112,900	112,900
105	75.8	388.0	112,700	112,700
110	75.1	386.6	112,200	112,200
115	74.3	385.2	111,500	111,500
120	73.5	383.7	110,700	110,700
125	72.8	382.1	109,900	109,900
130	72.0	380.5	108,300	108,300
135	71.2	378.8	105,600	105,600
140	70.5	377.0	103,100	103,100
145	69.7	375.1	100,600	100,600
150	68.9	373.2	98,200	98,200
155	68.1	371.2	95,900	95,900
160	67.3	369.1	93,700	93,700
165	66.5	366.9	91,500	91,500
170	65.7	364.6	89,400	89,400
175	64.9	362.3	85,000	87,400
180	64.1	359.8	80,800	85,300
185	63.3	357.3	76,800	83,500
190	62.5	354.7	73,000	81,600
195	61.7	352.0	69,500	79,800
200	60.8	349.2	66,100	78,100
210	59.1	343.3	59,800	74,900
220	57.4	337.0	54,100	72,000
230	55.7	330.2	48,900	68,600
240	53.9	323.0	44,100	62,600
250	52.0	315.3	39,700	57,300
260	50.2	307.1	35,700	52,500
270	48.2	298.3	31,900	48,100
280	46.2	288.9	28,400	44,100
290	44.1	278.8	25,200	40,500
300	42.0	267.9	22,100	37,300
310	39.7	256.1	19,300	34,300
320	37.4	243.3	16,600	31,700
330	34.9	229.4	14,100	29,300
340	32.2	214.0	11,700	27,200
350	29.3	196.9		25,400
360	26.1	177.4		22,700
370	22.5	154.8		20,100
380	18.3	127.1		17,700