

Liftcrane Boom Capacities With Luffing Jib Attached

Boom No. B65:505-500

Luffing Jib No. LJ11:500-501

with Mast No. M11:503

386,000 lb VPC (Variable Position Counterweight)

360 Degree Rating

**MLC300
VPC-MAX
SERIES 2**



LIFTING CAPACITIES: Lifting capacities for various boom lengths, luffing jib lengths, boom-to-luffing jib angles, and boom 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.

Weight of all load blocks, hooks, weight ball, slings, hoist lines, etc., beneath boom point sheaves, is considered part of load. Weight of luffing jib and 11,000 lb suspended beneath luffing jib point sheaves have been included in capacity determination. 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. Supporting surface and bearing turntable are to be level within a tolerance of 1/2 in. in 10 ft. During operation, luffing jib must be maintained at proper boom-to-luffing jib angle shown in table. Refer to Luffing Jib Rigging **No. 84050217**, Mast Rigging **No. 84045340**, Wire Rope Specifications chart **No. 9732-A**, Counterweight Arrangements chart **No. 9345-A**, Luffing Jib Raising Procedure chart **No. 9665-A**, and Wind Conditions chart **No. 9667-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 and luffing jib must be within angle range shown in capacity chart. Refer to Maximum Allowable Travel Specifications chart **No. 9666-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, 14 part luffing jib hoist reeving, luffing jib and backstay support straps, and 386,000 lb VPC.

Select counterweight position from Luffing Jib Raising Procedure chart **No. 9665-A** that will allow raising and lowering of boom and luffing jib length. Counterweight position selection may be changed with boom and luffing jib on ground or while boom and luffing jib are within operating range of capacity chart.

Consult Chart **No. 9659-A** for luffing jib capacities.

Luffing Jib Position During Operation	
	
Luffing Jib Length Feet	Boom-to-Luffing Jib Angle Degrees
78.7 - 98.4	140
118.1 - 157.5	155
177.2 - 275.6	169

Explanation of Symbols



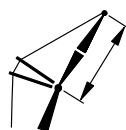
Luffing Jib No. LJ11:500-501
+
Boom No. B65:505-500



VPC (Variable Position Counterweight)



360 Degree Rating



Luffing Jib Length

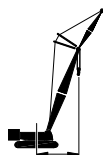


Boom-to-Luffing Jib Angle



Boom Length

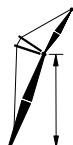
Explanation of Symbols
(continued)



Operating Radius
(see page 1)



Boom Angle
(see page 1)



Boom Point Elevation
(see page 1)



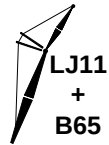
Counterweight Position
from Axis of Rotation



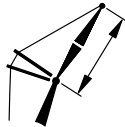
Lifting Capacities
(see page 1)

MLC300 VPC-MAX S-2

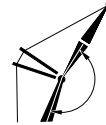
ASME B30.5



386,000 lb



78.7 ft



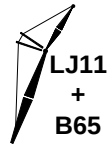
140°

177.2 ft				
ft	°	ft	lb	lb
24	85.0	183.3	556,800	556,800
26	84.3	183.1	555,700	555,700
28	83.7	182.8	554,700	554,700
30	83.0	182.6	553,700	553,700
32	82.4	182.3	550,400	550,400
34	81.7	182.0	534,100	534,100
36	81.1	181.6	518,400	518,400
38	80.4	181.2	503,500	503,500
40	79.8	180.9	477,000	503,500
45	78.1	179.8	403,500	503,500
50	76.4	178.5	346,300	479,000
55	74.8	177.1	300,600	419,600
60	73.1	175.6	263,100	367,900
65	71.4	173.9	231,900	325,700
70	69.6	172.0	205,600	290,800
75	67.9	169.9	182,900	261,400
80	66.1	167.7	163,300	236,200
85	64.3	165.3	146,200	214,500
90	62.5	162.6	131,000	195,600
95	60.6	159.8	117,500	178,900
100	58.7	156.7	105,500	164,100
105	56.8	153.4	94,700	150,800
110	54.8	149.9	84,800	139,000
115	52.8	146.1	75,900	128,200
120	50.7	142.0	67,800	118,500
125	48.5	137.5	60,300	109,600
130	46.3	132.7	53,500	101,500
135	44.0	127.6	47,100	94,000
140	41.5	121.9	41,300	87,100

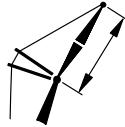
196.9 ft				
ft	°	ft	lb	lb
26	84.9	202.9	501,900	501,900
28	84.3	202.7	500,900	500,900
30	83.7	202.4	499,700	499,700
32	83.2	202.2	498,600	498,600
34	82.6	201.9	497,400	497,400
36	82.0	201.6	494,400	494,400
38	81.4	201.2	480,800	480,800
40	80.8	200.9	467,800	467,800
45	79.3	199.9	403,300	467,800
50	77.8	198.8	346,000	467,800
55	76.3	197.6	300,200	419,800
60	74.8	196.2	262,700	367,900
65	73.3	194.7	231,400	325,700
70	71.8	193.0	204,900	290,700
75	70.2	191.2	182,300	261,200
80	68.6	189.2	162,600	236,000
85	67.1	187.0	145,400	214,200
90	65.5	184.7	130,200	195,200
95	63.8	182.3	116,700	178,500
100	62.2	179.6	104,600	163,600
105	60.5	176.7	93,700	150,400
110	58.8	173.7	83,900	138,400
115	57.1	170.4	74,900	127,700
120	55.3	167.0	66,800	117,900
125	53.5	163.2	59,300	109,000
130	51.6	159.3	52,400	100,800
135	49.7	155.0	46,000	93,300
140	47.7	150.5	40,100	86,400
145	45.7	145.6	34,700	80,000
150	43.6	140.3	29,600	74,000
155	41.4	134.7	24,800	68,500

MLC300 VPC-MAX S-2

ASME B30.5



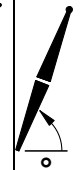
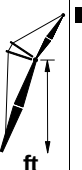
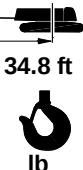
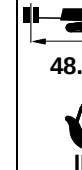
386,000 lb

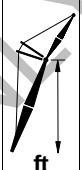
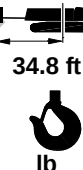
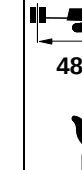


78.7 ft



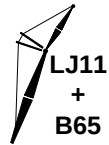
140°

216.5 ft				
 ft	 °	 ft	 34.8 ft lb	 48.0 ft lb
28	84.8	222.5	447,900	447,900
30	84.3	222.3	447,900	447,900
32	83.8	222.0	447,900	447,900
34	83.2	221.8	447,900	447,900
36	82.7	221.5	447,100	447,100
38	82.2	221.2	445,800	445,800
40	81.6	220.9	444,500	444,500
45	80.3	220.0	402,600	437,500
50	79.0	219.0	345,300	437,500
55	77.6	217.9	299,300	417,000
60	76.2	216.6	261,700	367,600
65	74.9	215.2	230,400	325,300
70	73.5	213.7	203,900	290,300
75	72.1	212.1	181,200	260,700
80	70.7	210.3	161,500	235,400
85	69.3	208.4	144,300	213,600
90	67.8	206.3	129,100	194,600
95	66.4	204.1	115,500	177,800
100	64.9	201.8	103,400	162,900
105	63.4	199.2	92,500	149,600
110	61.9	196.6	82,700	137,700
115	60.4	193.7	73,700	126,900
120	58.9	190.7	65,500	117,100
125	57.3	187.4	58,000	108,200
130	55.7	184.0	51,100	100,000
135	54.1	180.4	44,700	92,500
140	52.4	176.5	38,800	85,500
145	50.7	172.4	33,300	79,100
150	48.9	168.0	28,200	73,100
155	47.1	163.4	23,400	67,600
160	45.2	158.4	18,900	62,400
165	43.3	153.1	14,800	57,600
170	41.3	147.4	10,800	53,000

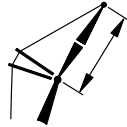
236.2 ft				
 ft	 °	 ft	 34.8 ft lb	 48.0 ft lb
30	84.8	242.1	392,000	392,000
32	84.3	241.8	392,000	392,000
34	83.8	241.6	392,000	392,000
36	83.3	241.3	392,000	392,000
38	82.8	241.1	392,000	392,000
40	82.3	240.8	392,000	392,000
45	81.1	240.0	392,000	392,000
50	79.9	239.1	344,300	392,000
55	78.6	238.0	298,300	383,900
60	77.4	236.9	260,600	367,200
65	76.2	235.6	229,200	324,800
70	74.9	234.3	202,700	289,600
75	73.6	232.8	179,900	260,000
80	72.4	231.2	160,200	234,700
85	71.1	229.4	142,900	212,800
90	69.8	227.6	127,600	193,700
95	68.5	225.6	114,100	176,900
100	67.2	223.5	102,000	162,000
105	65.8	221.2	91,000	148,700
110	64.5	218.8	81,200	136,700
115	63.1	216.2	72,200	125,900
120	61.7	213.5	64,000	116,100
125	60.3	210.6	56,400	107,100
130	58.9	207.6	49,500	98,900
135	57.5	204.4	43,100	91,400
140	56.0	201.0	37,200	84,400
145	54.5	197.4	31,700	78,000
150	53.0	193.7	26,500	72,000
155	51.5	189.7	21,800	66,500
160	49.9	185.4	17,300	61,300
165	48.2	181.0	13,100	56,400
170	46.6	176.2		51,900
175	44.8	171.2		47,600
180	43.1	165.9		43,600
185	41.2	160.2		39,800

MLC300 VPC-MAX S-2

ASME B30.5



386,000 lb



78.7 ft

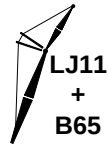


140°

32	84.7	261.6	343,800	343,800
34	84.3	261.4	343,800	343,800
36	83.8	261.2	343,800	343,800
38	83.4	260.9	343,800	343,800
40	82.9	260.7	343,800	343,800
45	81.8	259.9	343,800	343,800
50	80.7	259.1	343,400	343,800
55	79.5	258.1	297,300	340,500
60	78.4	257.1	259,600	332,600
65	77.2	255.9	228,100	324,300
70	76.1	254.7	201,500	289,100
75	74.9	253.3	178,700	259,400
80	73.8	251.8	159,000	234,000
85	72.6	250.3	141,700	212,100
90	71.4	248.5	126,400	193,000
95	70.2	246.7	112,800	176,200
100	69.0	244.8	100,700	161,300
105	67.8	242.7	89,700	147,900
110	66.6	240.5	79,800	135,900
115	65.3	238.2	70,800	125,100
120	64.1	235.8	62,600	115,200
125	62.8	233.2	55,100	106,300
130	61.6	230.5	48,100	98,000
135	60.3	227.6	41,700	90,500
140	59.0	224.6	35,800	83,500
145	57.6	221.4	30,300	77,100
150	56.3	218.0	25,100	71,100
155	54.9	214.5	20,400	65,500
160	53.5	210.8	15,900	60,300
165	52.1	206.9	11,700	55,500
170	50.7	202.8		50,900
175	49.2	198.5		46,600
180	47.7	193.9		42,600
185	46.1	189.1		38,800
190	44.5	184.0		35,200
195	42.9	178.6		31,800
200	41.2	172.9		28,600

MLC300 VPC-MAX S-2

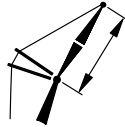
ASME B30.5



386,000 lb



360°



98.4 ft



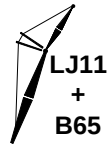
140°

177.2 ft				
ft	°	ft	lb	lb
24	85.0	183.3	548,400	548,400
26	84.3	183.1	547,700	547,700
28	83.7	182.8	547,000	547,000
30	83.0	182.6	546,200	546,200
32	82.4	182.3	543,800	543,800
34	81.7	182.0	527,400	527,400
36	81.1	181.6	511,700	511,700
38	80.4	181.2	495,100	498,600
40	79.8	180.9	460,200	498,600
45	78.1	179.8	388,100	498,600
50	76.4	178.5	332,000	468,400
55	74.8	177.1	287,200	408,500
60	73.1	175.6	250,500	357,400
65	71.4	173.9	219,900	315,900
70	69.6	172.0	194,100	281,500
75	67.9	169.9	171,900	252,500
80	66.1	167.7	152,700	227,700
85	64.3	165.3	135,900	206,300
90	62.5	162.6	121,100	187,700
95	60.6	159.8	107,900	171,200
100	58.7	156.7	96,100	156,700
105	56.8	153.4	85,500	143,700
110	54.8	149.9	75,900	132,000
115	52.8	146.1	67,200	121,400
120	50.7	142.0	59,300	111,800
125	48.5	137.5	52,000	103,100
130	46.3	132.7	45,300	95,100
135	44.0	127.6	39,100	87,800
140	41.5	121.9	33,400	81,000

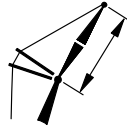
196.9 ft				
ft	°	ft	lb	lb
26	84.9	202.9	495,100	495,100
28	84.3	202.7	494,200	494,200
30	83.7	202.4	493,400	493,400
32	83.2	202.2	492,500	492,500
34	82.6	201.9	491,700	491,700
36	82.0	201.6	488,400	488,400
38	81.4	201.2	474,700	474,700
40	80.8	200.9	460,400	463,000
45	79.3	199.9	388,200	463,000
50	77.8	198.8	332,000	459,100
55	76.3	197.6	287,000	408,800
60	74.8	196.2	250,200	357,700
65	73.3	194.7	219,600	316,100
70	71.8	193.0	193,600	281,500
75	70.2	191.2	171,400	252,500
80	68.6	189.2	152,100	227,600
85	67.1	187.0	135,300	206,200
90	65.5	184.7	120,400	187,500
95	63.8	182.3	107,200	171,000
100	62.2	179.6	95,400	156,400
105	60.5	176.7	84,700	143,300
110	58.8	173.7	75,100	131,600
115	57.1	170.4	66,400	121,000
120	55.3	167.0	58,400	111,400
125	53.5	163.2	51,100	102,600
130	51.6	159.3	44,300	94,600
135	49.7	155.0	38,100	87,200
140	47.7	150.5	32,400	80,400
145	45.7	145.6	27,000	74,100
150	43.6	140.3	22,100	68,300
155	41.4	134.7	17,500	62,900

MLC300 VPC-MAX S-2

ASME B30.5



386,000 lb



98.4 ft



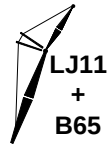
140°

216.5 ft				
ft	°	ft	lb	lb
28	84.8	222.5	442,900	442,900
30	84.3	222.3	442,900	442,900
32	83.8	222.0	442,900	442,900
34	83.2	221.8	442,900	442,900
36	82.7	221.5	442,000	442,000
38	82.2	221.2	441,000	441,000
40	81.6	220.9	440,000	440,000
45	80.3	220.0	387,700	436,800
50	79.0	219.0	331,400	432,500
55	77.6	217.9	286,300	407,700
60	76.2	216.6	249,500	357,500
65	74.9	215.2	218,800	315,800
70	73.5	213.7	192,800	281,200
75	72.1	212.1	170,500	252,100
80	70.7	210.3	151,200	227,200
85	69.3	208.4	134,300	205,700
90	67.8	206.3	119,400	187,000
95	66.4	204.1	106,200	170,400
100	64.9	201.8	94,300	155,800
105	63.4	199.2	83,600	142,700
110	61.9	196.6	74,000	130,900
115	60.4	193.7	65,200	120,300
120	58.9	190.7	57,200	110,700
125	57.3	187.4	49,900	101,900
130	55.7	184.0	43,100	93,800
135	54.1	180.4	36,900	86,400
140	52.4	176.5	31,100	79,600
145	50.7	172.4	25,800	73,300
150	48.9	168.0	20,800	67,400
155	47.1	163.4	16,100	62,000
160	45.2	158.4	11,800	56,900
165	43.3	153.1		52,100
170	41.3	147.4		47,700

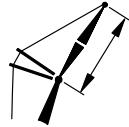
236.2 ft				
ft	°	ft	lb	lb
30	84.8	242.1	387,100	387,100
32	84.3	241.8	387,100	387,100
34	83.8	241.6	387,100	387,100
36	83.3	241.3	387,100	387,100
38	82.8	241.1	387,100	387,100
40	82.3	240.8	387,100	387,100
45	81.1	240.0	387,000	387,100
50	79.9	239.1	330,600	382,800
55	78.6	238.0	285,400	373,600
60	77.4	236.9	248,500	357,200
65	76.2	235.6	217,700	315,400
70	74.9	234.3	191,700	280,700
75	73.6	232.8	169,400	251,500
80	72.4	231.2	150,000	226,600
85	71.1	229.4	133,100	205,000
90	69.8	227.6	118,100	186,200
95	68.5	225.6	104,900	169,700
100	67.2	223.5	93,000	155,000
105	65.8	221.2	82,300	141,900
110	64.5	218.8	72,600	130,100
115	63.1	216.2	63,800	119,400
120	61.7	213.5	55,800	109,700
125	60.3	210.6	48,400	100,900
130	58.9	207.6	41,600	92,800
135	57.5	204.4	35,400	85,400
140	56.0	201.0	29,600	78,600
145	54.5	197.4	24,200	72,200
150	53.0	193.7	19,200	66,400
155	51.5	189.7	14,500	60,900
160	49.9	185.4	10,100	55,800
165	48.2	181.0		51,000
170	46.6	176.2		46,600
175	44.8	171.2		42,400
180	43.1	165.9		38,400
185	41.2	160.2		34,700

MLC300 VPC-MAX S-2

ASME B30.5



386,000 lb



98.4 ft

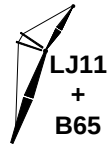


140°

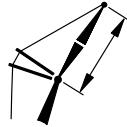
 255.9 ft				
ft	°	ft	lb	lb
32	84.7	261.6	338,900	338,900
34	84.3	261.4	338,900	338,900
36	83.8	261.2	338,900	338,900
38	83.4	260.9	338,900	338,900
40	82.9	260.7	338,900	338,900
45	81.8	259.9	338,900	338,900
50	80.7	259.1	329,800	338,900
55	79.5	258.1	284,600	332,200
60	78.4	257.1	247,600	324,300
65	77.2	255.9	216,800	315,000
70	76.1	254.7	190,700	280,300
75	74.9	253.3	168,300	251,000
80	73.8	251.8	148,900	226,000
85	72.6	250.3	132,000	204,400
90	71.4	248.5	117,000	185,600
95	70.2	246.7	103,700	169,000
100	69.0	244.8	91,800	154,300
105	67.8	242.7	81,100	141,100
110	66.6	240.5	71,400	129,300
115	65.3	238.2	62,600	118,600
120	64.1	235.8	54,500	109,000
125	62.8	233.2	47,100	100,100
130	61.6	230.5	40,400	92,000
135	60.3	227.6	34,100	84,600
140	59.0	224.6	28,300	77,700
145	57.6	221.4	22,900	71,400
150	56.3	218.0	17,900	65,500
155	54.9	214.5	13,200	60,000
160	53.5	210.8		54,900
165	52.1	206.9		50,100
170	50.7	202.8		45,600
175	49.2	198.5		41,400
180	47.7	193.9		37,500
185	46.1	189.1		33,700
190	44.5	184.0		30,200
195	42.9	178.6		26,900
200	41.2	172.9		23,700

MLC300 VPC-MAX S-2

ASME B30.5



386,000 lb



118.1 ft



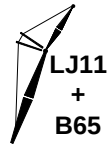
155°

177.2 ft				
ft	°	ft	lb	lb
24	85.0	183.3	545,300	545,300
26	84.3	183.1	544,500	544,500
28	83.7	182.8	543,400	543,400
30	83.0	182.6	542,300	542,300
32	82.4	182.3	541,100	541,100
34	81.7	182.0	526,000	526,000
36	81.1	181.6	509,900	509,900
38	80.4	181.2	492,300	497,500
40	79.8	180.9	456,800	497,500
45	78.1	179.8	383,600	497,500
50	76.4	178.5	326,700	464,000
55	74.8	177.1	281,100	403,900
60	73.1	175.6	243,900	352,400
65	71.4	173.9	212,800	310,500
70	69.6	172.0	186,500	275,700
75	67.9	169.9	164,000	246,400
80	66.1	167.7	144,500	221,400
85	64.3	165.3	127,400	199,800
90	62.5	162.6	112,300	180,900
95	60.6	159.8	98,900	164,300
100	58.7	156.7	86,900	149,600
105	56.8	153.4	76,100	136,500
110	54.8	149.9	66,400	124,600
115	52.8	146.1	57,500	114,000
120	50.7	142.0	49,400	104,300
125	48.5	137.5	42,000	95,400
130	46.3	132.7	35,100	87,300
135	44.0	127.6	28,800	79,900
140	41.5	121.9	23,000	73,100
145	39.0	115.8	17,600	66,700
150	36.2	109.0	12,600	60,900
155	33.3	101.5		55,400
160	30.1	93.0		50,300
165	26.6	83.3		45,600

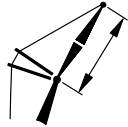
196.9 ft				
ft	°	ft	lb	lb
26	84.9	202.9	491,000	491,000
28	84.3	202.7	490,100	490,100
30	83.7	202.4	489,100	489,100
32	83.2	202.2	488,300	488,300
34	82.6	201.9	487,000	487,000
36	82.0	201.6	485,900	485,900
38	81.4	201.2	473,200	473,200
40	80.8	200.9	457,600	462,400
45	79.3	199.9	384,300	462,400
50	77.8	198.8	327,200	455,300
55	76.3	197.6	281,600	404,800
60	74.8	196.2	244,200	353,200
65	73.3	194.7	213,100	311,200
70	71.8	193.0	186,800	276,300
75	70.2	191.2	164,200	246,900
80	68.6	189.2	144,600	221,900
85	67.1	187.0	127,500	200,200
90	65.5	184.7	112,400	181,300
95	63.8	182.3	98,900	164,600
100	62.2	179.6	86,900	149,900
105	60.5	176.7	76,100	136,700
110	58.8	173.7	66,300	124,800
115	57.1	170.4	57,400	114,100
120	55.3	167.0	49,200	104,400
125	53.5	163.2	41,800	95,500
130	51.6	159.3	34,900	87,400
135	49.7	155.0	28,600	79,900
140	47.7	150.5	22,700	73,000
145	45.7	145.6	17,300	66,700
150	43.6	140.3	12,200	60,800
155	41.4	134.7		55,300
160	39.1	128.5		50,100
165	36.7	121.9		45,300
170	34.1	114.6		40,900
175	31.3	106.5		36,700
180	28.3	97.4		32,700

MLC300 VPC-MAX S-2

ASME B30.5



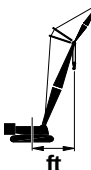
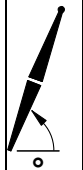
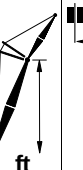
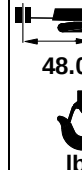
386,000 lb

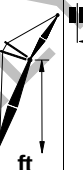
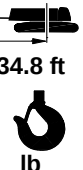
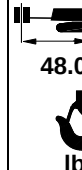


118.1 ft



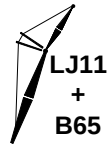
155°

216.5 ft				
				
ft	°	ft	lb	lb
28	84.8	222.5	438,500	438,500
30	84.3	222.3	438,500	438,500
32	83.8	222.0	438,500	438,500
34	83.2	221.8	438,100	438,100
36	82.7	221.5	437,100	437,100
38	82.2	221.2	436,200	436,200
40	81.6	220.9	435,000	435,000
45	80.3	220.0	384,300	431,700
50	79.0	219.0	327,100	427,200
55	77.6	217.9	281,400	403,800
60	76.2	216.6	244,000	353,500
65	74.9	215.2	212,800	311,400
70	73.5	213.7	186,500	276,500
75	72.1	212.1	163,800	247,000
80	70.7	210.3	144,200	221,900
85	69.3	208.4	127,100	200,200
90	67.8	206.3	111,900	181,200
95	66.4	204.1	98,500	164,500
100	64.9	201.8	86,400	149,700
105	63.4	199.2	75,600	136,500
110	61.9	196.6	65,800	124,600
115	60.4	193.7	56,800	113,900
120	58.9	190.7	48,700	104,100
125	57.3	187.4	41,200	95,200
130	55.7	184.0	34,300	87,100
135	54.1	180.4	28,000	79,600
140	52.4	176.5	22,100	72,700
145	50.7	172.4	16,700	66,300
150	48.9	168.0	11,600	60,400
155	47.1	163.4		54,900
160	45.2	158.4		49,700
165	43.3	153.1		44,900
170	41.3	147.4		40,400
175	39.2	141.3		36,200
180	37.0	134.7		32,200
185	34.7	127.6		28,500
190	32.3	119.7		24,900
195	29.6	111.1		21,600
200	26.7	101.4		17,900

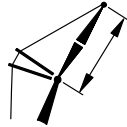
236.2 ft				
				
ft	°	ft	lb	lb
30	84.8	242.1	382,500	382,500
32	84.3	241.8	382,500	382,500
34	83.8	241.6	382,500	382,500
36	83.3	241.3	382,500	382,500
38	82.8	241.1	382,500	382,500
40	82.3	240.8	382,500	382,500
45	81.1	240.0	382,500	382,500
50	79.9	239.1	326,800	379,300
55	78.6	238.0	280,900	370,000
60	77.4	236.9	243,500	353,500
65	76.2	235.6	212,200	311,300
70	74.9	234.3	185,800	276,300
75	73.6	232.8	163,100	246,800
80	72.4	231.2	143,500	221,600
85	71.1	229.4	126,300	199,900
90	69.8	227.6	111,100	180,900
95	68.5	225.6	97,600	164,200
100	67.2	223.5	85,500	149,300
105	65.8	221.2	74,700	136,100
110	64.5	218.8	64,800	124,100
115	63.1	216.2	55,900	113,400
120	61.7	213.5	47,700	103,600
125	60.3	210.6	40,200	94,700
130	58.9	207.6	33,300	86,500
135	57.5	204.4	27,000	79,000
140	56.0	201.0	21,100	72,100
145	54.5	197.4	15,600	65,700
150	53.0	193.7	10,500	59,800
155	51.5	189.7		54,200
160	49.9	185.4		49,100
165	48.2	181.0		44,200
170	46.6	176.2		39,700
175	44.8	171.2		35,500
180	43.1	165.9		31,500
185	41.2	160.2		27,700
190	39.3	154.1		24,200
195	37.3	147.5		20,300
200	35.2	140.5		16,400
205	33.0	132.9		12,700

MLC300 VPC-MAX S-2

ASME B30.5



386,000 lb



118.1 ft

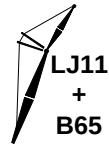


155°

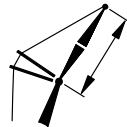
32	84.7	261.6	334,100	334,100
34	84.3	261.4	334,100	334,100
36	83.8	261.2	334,100	334,100
38	83.4	260.9	334,100	334,100
40	82.9	260.7	334,100	334,100
45	81.8	259.9	334,100	334,100
50	80.7	259.1	326,300	334,100
55	79.5	258.1	280,500	328,600
60	78.4	257.1	242,900	320,500
65	77.2	255.9	211,600	311,200
70	76.1	254.7	185,100	276,200
75	74.9	253.3	162,400	246,600
80	73.8	251.8	142,800	221,400
85	72.6	250.3	125,600	199,600
90	71.4	248.5	110,400	180,600
95	70.2	246.7	96,800	163,800
100	69.0	244.8	84,800	148,900
105	67.8	242.7	73,900	135,700
110	66.6	240.5	64,000	123,700
115	65.3	238.2	55,100	112,900
120	64.1	235.8	46,900	103,200
125	62.8	233.2	39,400	94,200
130	61.6	230.5	32,500	86,000
135	60.3	227.6	26,100	78,500
140	59.0	224.6	20,200	71,600
145	57.6	221.4	14,700	65,200
150	56.3	218.0		59,200
155	54.9	214.5		53,700
160	53.5	210.8		48,500
165	52.1	206.9		43,700
170	50.7	202.8		39,100
175	49.2	198.5		34,900
180	47.7	193.9		30,900
185	46.1	189.1		27,100
190	44.5	184.0		23,300
195	42.9	178.6		19,100
200	41.2	172.9		15,200
205	39.4	166.8		11,500

MLC300 VPC-MAX S-2

ASME B30.5



386,000 lb



137.8 ft



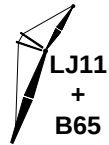
155°

177.2 ft				
ft	°	ft	lb	lb
24	85.0	183.3	536,600	536,600
26	84.3	183.1	535,700	535,700
28	83.7	182.8	534,800	534,800
30	83.0	182.6	533,900	533,900
32	82.4	182.3	533,000	533,000
34	81.7	182.0	519,500	519,500
36	81.1	181.6	503,300	503,300
38	80.4	181.2	476,400	502,300
40	79.8	180.9	441,400	502,300
45	78.1	179.8	369,300	502,300
50	76.4	178.5	313,200	453,800
55	74.8	177.1	268,300	393,300
60	73.1	175.6	231,600	342,300
65	71.4	173.9	201,100	300,900
70	69.6	172.0	175,200	266,500
75	67.9	169.9	153,000	237,600
80	66.1	167.7	133,800	212,900
85	64.3	165.3	117,000	191,500
90	62.5	162.6	102,100	172,900
95	60.6	159.8	89,000	156,500
100	58.7	156.7	77,200	141,900
105	56.8	153.4	66,600	128,900
110	54.8	149.9	57,000	117,300
115	52.8	146.1	48,300	106,800
120	50.7	142.0	40,300	97,200
125	48.5	137.5	33,000	88,500
130	46.3	132.7	26,300	80,500
135	44.0	127.6	20,200	73,200
140	41.5	121.9	14,500	66,400
145	39.0	115.8		60,200
150	36.2	109.0		54,400
155	33.3	101.5		49,100
160	30.1	93.0		44,100
165	26.6	83.3		39,500

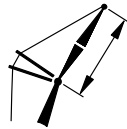
196.9 ft				
ft	°	ft	lb	lb
26	84.9	202.9	484,300	484,300
28	84.3	202.7	483,400	483,400
30	83.7	202.4	482,400	482,400
32	83.2	202.2	481,500	481,500
34	82.6	201.9	480,500	480,500
36	82.0	201.6	479,600	479,600
38	81.4	201.2	467,200	467,200
40	80.8	200.9	442,600	467,100
45	79.3	199.9	370,300	467,100
50	77.8	198.8	314,100	445,800
55	76.3	197.6	269,100	394,500
60	74.8	196.2	232,300	343,400
65	73.3	194.7	201,700	301,800
70	71.8	193.0	175,700	267,400
75	70.2	191.2	153,500	238,400
80	68.6	189.2	134,200	213,600
85	67.1	187.0	117,400	192,200
90	65.5	184.7	102,500	173,500
95	63.8	182.3	89,300	157,000
100	62.2	179.6	77,400	142,400
105	60.5	176.7	66,800	129,400
110	58.8	173.7	57,200	117,700
115	57.1	170.4	48,400	107,100
120	55.3	167.0	40,400	97,500
125	53.5	163.2	33,100	88,800
130	51.6	159.3	26,400	80,700
135	49.7	155.0	20,200	73,400
140	47.7	150.5	14,400	66,600
145	45.7	145.6		60,300
150	43.6	140.3		54,500
155	41.4	134.7		49,100
160	39.1	128.5		44,100
165	36.7	121.9		39,400
170	34.1	114.6		35,000
175	31.3	106.5		30,800
180	28.3	97.4		27,000

MLC300 VPC-MAX S-2

ASME B30.5



386,000 lb



137.8 ft



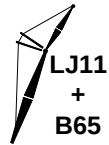
155°

216.5 ft				
ft	°	ft	lb	lb
28	84.8	222.5	433,200	433,200
30	84.3	222.3	433,200	433,200
32	83.8	222.0	433,200	433,200
34	83.2	221.8	432,500	432,500
36	82.7	221.5	431,600	431,600
38	82.2	221.2	430,600	430,600
40	81.6	220.9	429,700	429,700
45	80.3	220.0	370,600	427,100
50	79.0	219.0	314,300	418,900
55	77.6	217.9	269,300	394,900
60	76.2	216.6	232,400	343,900
65	74.9	215.2	201,700	302,300
70	73.5	213.7	175,700	267,800
75	72.1	212.1	153,400	238,700
80	70.7	210.3	134,100	213,800
85	69.3	208.4	117,200	192,400
90	67.8	206.3	102,300	173,600
95	66.4	204.1	89,100	157,100
100	64.9	201.8	77,200	142,500
105	63.4	199.2	66,500	129,400
110	61.9	196.6	56,900	117,700
115	60.4	193.7	48,100	107,100
120	58.9	190.7	40,100	97,500
125	57.3	187.4	32,800	88,700
130	55.7	184.0	26,000	80,600
135	54.1	180.4	19,800	73,300
140	52.4	176.5	14,000	66,400
145	50.7	172.4		60,100
150	48.9	168.0		54,300
155	47.1	163.4		48,900
160	45.2	158.4		43,800
165	43.3	153.1		39,100
170	41.3	147.4		34,600
175	39.2	141.3		30,500
180	37.0	134.7		26,500
185	34.7	127.6		22,900
190	32.3	119.7		18,600
195	29.6	111.1		14,600
200	26.7	101.4		10,800

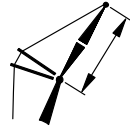
236.2 ft				
ft	°	ft	lb	lb
30	84.8	242.1	377,200	377,200
32	84.3	241.8	377,200	377,200
34	83.8	241.6	377,200	377,200
36	83.3	241.3	377,200	377,200
38	82.8	241.1	377,200	377,200
40	82.3	240.8	377,200	377,200
45	81.1	240.0	370,500	377,200
50	79.9	239.1	314,100	371,200
55	78.6	238.0	269,000	361,800
60	77.4	236.9	232,100	344,100
65	76.2	235.6	201,300	302,400
70	74.9	234.3	175,200	267,800
75	73.6	232.8	152,900	238,700
80	72.4	231.2	133,600	213,800
85	71.1	229.4	116,600	192,200
90	69.8	227.6	101,700	173,500
95	68.5	225.6	88,400	156,900
100	67.2	223.5	76,500	142,300
105	65.8	221.2	65,900	129,200
110	64.5	218.8	56,200	117,400
115	63.1	216.2	47,400	106,700
120	61.7	213.5	39,300	97,100
125	60.3	210.6	32,000	88,300
130	58.9	207.6	25,200	80,200
135	57.5	204.4	18,900	72,800
140	56.0	201.0	13,200	66,000
145	54.5	197.4		59,700
150	53.0	193.7		53,800
155	51.5	189.7		48,300
160	49.9	185.4		43,200
165	48.2	181.0		38,500
170	46.6	176.2		34,000
175	44.8	171.2		29,800
180	43.1	165.9		25,900
185	41.2	160.2		21,600
190	39.3	154.1		17,300
195	37.3	147.5		13,200

MLC300 VPC-MAX S-2

ASME B30.5



386,000 lb



137.8 ft

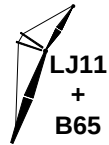


155°

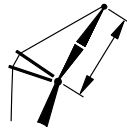
 255.9 ft				
 ft	 °	 ft	 lb	 lb
32	84.7	261.6	328,900	328,900
34	84.3	261.4	328,900	328,900
36	83.8	261.2	328,900	328,900
38	83.4	260.9	328,900	328,900
40	82.9	260.7	328,900	328,900
45	81.8	259.9	328,900	328,900
50	80.7	259.1	313,900	328,600
55	79.5	258.1	268,700	320,500
60	78.4	257.1	231,700	312,400
65	77.2	255.9	200,900	302,500
70	76.1	254.7	174,800	267,800
75	74.9	253.3	152,500	238,600
80	73.8	251.8	133,100	213,700
85	72.6	250.3	116,100	192,100
90	71.4	248.5	101,200	173,300
95	70.2	246.7	87,900	156,700
100	69.0	244.8	76,000	142,000
105	67.8	242.7	65,200	128,900
110	66.6	240.5	55,500	117,100
115	65.3	238.2	46,700	106,400
120	64.1	235.8	38,700	96,800
125	62.8	233.2	31,300	87,900
130	61.6	230.5	24,500	79,900
135	60.3	227.6	18,200	72,400
140	59.0	224.6	12,400	65,600
145	57.6	221.4		59,200
150	56.3	218.0		53,400
155	54.9	214.5		47,900
160	53.5	210.8		42,800
165	52.1	206.9		38,000
170	50.7	202.8		33,500
175	49.2	198.5		29,300
180	47.7	193.9		25,000
185	46.1	189.1		20,500
190	44.5	184.0		16,200
195	42.9	178.6		12,100

MLC300 VPC-MAX S-2

ASME B30.5



386,000 lb



157.5 ft



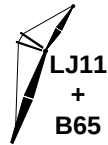
155°

177.2 ft				
ft	°	ft	lb	lb
24	85.0	183.3	523,200	523,200
26	84.3	183.1	522,100	522,100
28	83.7	182.8	521,000	521,000
30	83.0	182.6	520,000	520,000
32	82.4	182.3	519,000	519,000
34	81.7	182.0	508,300	508,300
36	81.1	181.6	490,700	493,700
38	80.4	181.2	452,100	493,700
40	79.8	180.9	417,900	493,700
45	78.1	179.8	347,300	490,000
50	76.4	178.5	292,400	437,700
55	74.8	177.1	248,600	376,900
60	73.1	175.6	212,700	326,800
65	71.4	173.9	182,700	286,000
70	69.6	172.0	157,400	252,200
75	67.9	169.9	135,800	223,800
80	66.1	167.7	117,000	199,500
85	64.3	165.3	100,600	178,500
90	62.5	162.6	86,100	160,200
95	60.6	159.8	73,200	144,100
100	58.7	156.7	61,700	129,800
105	56.8	153.4	51,400	117,100
110	54.8	149.9	42,100	105,700
115	52.8	146.1	33,600	95,300
120	50.7	142.0	25,800	86,000
125	48.5	137.5	18,800	77,400
130	46.3	132.7	12,300	69,600
135	44.0	127.6		62,500
140	41.5	121.9		55,900
145	39.0	115.8		49,800
150	36.2	109.0		44,200
155	33.3	101.5		39,000
160	30.1	93.0		34,100
165	26.6	83.3		29,700

196.9 ft				
ft	°	ft	lb	lb
26	84.9	202.9	472,300	472,300
28	84.3	202.7	471,500	471,500
30	83.7	202.4	470,800	470,800
32	83.2	202.2	470,100	470,100
34	82.6	201.9	469,400	469,400
36	82.0	201.6	468,700	468,700
38	81.4	201.2	453,800	460,300
40	80.8	200.9	419,500	460,300
45	79.3	199.9	348,800	460,300
50	77.8	198.8	293,800	430,400
55	76.3	197.6	249,800	378,500
60	74.8	196.2	213,800	328,200
65	73.3	194.7	183,800	287,400
70	71.8	193.0	158,500	253,500
75	70.2	191.2	136,700	225,000
80	68.6	189.2	117,900	200,600
85	67.1	187.0	101,400	179,500
90	65.5	184.7	86,900	161,200
95	63.8	182.3	74,000	145,000
100	62.2	179.6	62,400	130,700
105	60.5	176.7	52,000	117,900
110	58.8	173.7	42,700	106,400
115	57.1	170.4	34,100	96,000
120	55.3	167.0	26,300	86,600
125	53.5	163.2	19,200	78,000
130	51.6	159.3	12,700	70,100
135	49.7	155.0		62,900
140	47.7	150.5		56,300
145	45.7	145.6		50,100
150	43.6	140.3		44,400
155	41.4	134.7		39,200
160	39.1	128.5		34,200
165	36.7	121.9		29,700
170	34.1	114.6		25,400
175	31.3	106.5		20,600
180	28.3	97.4		16,100

MLC300 VPC-MAX S-2

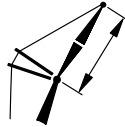
ASME B30.5



386,000 lb



360°



157.5 ft



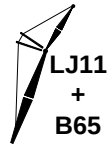
155°

216.5 ft				
ft	°	ft	lb	lb
28	84.8	222.5	424,800	424,800
30	84.3	222.3	424,500	424,500
32	83.8	222.0	423,800	423,800
34	83.2	221.8	423,000	423,000
36	82.7	221.5	422,400	422,400
38	82.2	221.2	421,600	421,600
40	81.6	220.9	420,300	420,700
45	80.3	220.0	349,500	417,400
50	79.0	219.0	294,400	405,900
55	77.6	217.9	250,300	379,500
60	76.2	216.6	214,300	329,100
65	74.9	215.2	184,200	288,100
70	73.5	213.7	158,800	254,200
75	72.1	212.1	137,000	225,600
80	70.7	210.3	118,200	201,100
85	69.3	208.4	101,600	180,000
90	67.8	206.3	87,100	161,600
95	66.4	204.1	74,100	145,400
100	64.9	201.8	62,600	131,000
105	63.4	199.2	52,100	118,200
110	61.9	196.6	42,700	106,700
115	60.4	193.7	34,100	96,200
120	58.9	190.7	26,300	86,800
125	57.3	187.4	19,200	78,200
130	55.7	184.0	12,600	70,300
135	54.1	180.4		63,000
140	52.4	176.5		56,300
145	50.7	172.4		50,200
150	48.9	168.0		44,400
155	47.1	163.4		39,100
160	45.2	158.4		34,200
165	43.3	153.1		29,500
170	41.3	147.4		24,800
175	39.2	141.3		19,900
180	37.0	134.7		15,200
185	34.7	127.6		10,800

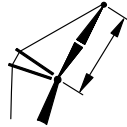
236.2 ft				
ft	°	ft	lb	lb
30	84.8	242.1	369,000	369,000
32	84.3	241.8	369,000	369,000
34	83.8	241.6	369,000	369,000
36	83.3	241.3	369,000	369,000
38	82.8	241.1	369,000	369,000
40	82.3	240.8	369,000	369,000
45	81.1	240.0	349,800	368,500
50	79.9	239.1	294,600	358,500
55	78.6	238.0	250,400	349,100
60	77.4	236.9	214,300	329,600
65	76.2	235.6	184,200	288,500
70	74.9	234.3	158,700	254,500
75	73.6	232.8	136,900	225,800
80	72.4	231.2	117,900	201,300
85	71.1	229.4	101,400	180,200
90	69.8	227.6	86,800	161,700
95	68.5	225.6	73,800	145,400
100	67.2	223.5	62,200	131,000
105	65.8	221.2	51,700	118,100
110	64.5	218.8	42,300	106,600
115	63.1	216.2	33,700	96,100
120	61.7	213.5	25,900	86,600
125	60.3	210.6	18,700	78,000
130	58.9	207.6	12,100	70,100
135	57.5	204.4		62,800
140	56.0	201.0		56,100
145	54.5	197.4		49,900
150	53.0	193.7		44,100
155	51.5	189.7		38,800
160	49.9	185.4		33,800
165	48.2	181.0		29,100
170	46.6	176.2		23,800
175	44.8	171.2		18,800
180	43.1	165.9		14,100

MLC300 VPC-MAX S-2

ASME B30.5



386,000 lb



157.5 ft

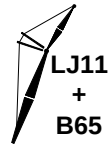


155°

32	84.7	261.6	320,600	320,600
34	84.3	261.4	320,600	320,600
36	83.8	261.2	320,600	320,600
38	83.4	260.9	320,600	320,600
40	82.9	260.7	320,600	320,600
45	81.8	259.9	320,600	320,600
50	80.7	259.1	294,600	316,200
55	79.5	258.1	250,400	308,000
60	78.4	257.1	214,200	299,800
65	77.2	255.9	184,000	288,900
70	76.1	254.7	158,500	254,800
75	74.9	253.3	136,700	226,000
80	73.8	251.8	117,700	201,500
85	72.6	250.3	101,100	180,300
90	71.4	248.5	86,500	161,800
95	70.2	246.7	73,500	145,500
100	69.0	244.8	61,900	131,000
105	67.8	242.7	51,400	118,100
110	66.6	240.5	41,900	106,500
115	65.3	238.2	33,300	96,000
120	64.1	235.8	25,400	86,500
125	62.8	233.2	18,200	77,800
130	61.6	230.5	11,600	69,900
135	60.3	227.6		62,600
140	59.0	224.6		55,900
145	57.6	221.4		49,700
150	56.3	218.0		43,900
155	54.9	214.5		38,500
160	53.5	210.8		33,500
165	52.1	206.9		28,200
170	50.7	202.8		22,900
175	49.2	198.5		17,900
180	47.7	193.9		13,200

MLC300 VPC-MAX S-2

ASME B30.5



386,000 lb



177.2 ft



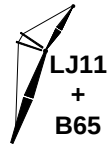
169°

177.2 ft				
ft	°	ft	lb	lb
24	85.0	183.3	533,600	533,600
26	84.3	183.1	532,300	532,300
28	83.7	182.8	531,000	531,000
30	83.0	182.6	529,600	529,600
32	82.4	182.3	528,200	528,200
34	81.7	182.0	519,200	519,200
36	81.1	181.6	502,500	502,500
38	80.4	181.2	476,500	499,000
40	79.8	180.9	440,300	499,000
45	78.1	179.8	365,500	499,000
50	76.4	178.5	307,400	448,700
55	74.8	177.1	260,900	387,800
60	73.1	175.6	222,800	335,700
65	71.4	173.9	191,100	293,300
70	69.6	172.0	164,200	258,100
75	67.9	169.9	141,200	228,500
80	66.1	167.7	121,200	203,200
85	64.3	165.3	103,700	181,300
90	62.5	162.6	88,300	162,200
95	60.6	159.8	74,600	145,400
100	58.7	156.7	62,300	130,500
105	56.8	153.4	51,200	117,100
110	54.8	149.9	41,200	105,100
115	52.8	146.1	32,100	94,300
120	50.7	142.0	23,800	84,500
125	48.5	137.5	16,200	75,500
130	46.3	132.7		67,300
135	44.0	127.6		59,700
140	41.5	121.9		52,800
145	39.0	115.8		46,300
150	36.2	109.0		40,300
155	33.3	101.5		34,700
160	30.1	93.0		29,500
165	26.6	83.3		24,600
170	22.5	71.8		19,000
175	17.5	57.1		13,800

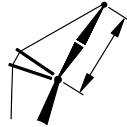
196.9 ft				
ft	°	ft	lb	lb
26	84.9	202.9	478,300	478,300
28	84.3	202.7	477,300	477,300
30	83.7	202.4	476,200	476,200
32	83.2	202.2	475,200	475,200
34	82.6	201.9	474,000	474,000
36	82.0	201.6	472,700	472,700
38	81.4	201.2	466,500	466,500
40	80.8	200.9	442,600	464,300
45	79.3	199.9	367,800	464,300
50	77.8	198.8	309,500	441,800
55	76.3	197.6	262,900	390,100
60	74.8	196.2	224,800	337,900
65	73.3	194.7	193,000	295,400
70	71.8	193.0	166,100	260,100
75	70.2	191.2	143,000	230,400
80	68.6	189.2	123,000	205,000
85	67.1	187.0	105,500	183,100
90	65.5	184.7	90,100	163,900
95	63.8	182.3	76,300	147,100
100	62.2	179.6	64,000	132,100
105	60.5	176.7	52,900	118,700
110	58.8	173.7	42,900	106,700
115	57.1	170.4	33,800	95,900
120	55.3	167.0	25,500	86,000
125	53.5	163.2	17,800	77,000
130	51.6	159.3	10,800	68,800
135	49.7	155.0		61,200
140	47.7	150.5		54,200
145	45.7	145.6		47,700
150	43.6	140.3		41,700
155	41.4	134.7		36,100
160	39.1	128.5		30,900
165	36.7	121.9		25,800
170	34.1	114.6		20,200
175	31.3	106.5		14,900
180	28.3	97.4		10,000

MLC300 VPC-MAX S-2

ASME B30.5



386,000 lb



177.2 ft



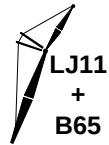
169°

216.5 ft				
ft	°	ft	lb	lb
28	84.8	222.5	425,700	425,700
30	84.3	222.3	425,700	425,700
32	83.8	222.0	425,700	425,700
34	83.2	221.8	424,800	424,800
36	82.7	221.5	423,700	423,700
38	82.2	221.2	422,800	422,800
40	81.6	220.9	421,700	421,700
45	80.3	220.0	369,100	418,500
50	79.0	219.0	310,800	413,000
55	77.6	217.9	264,100	390,600
60	76.2	216.6	225,900	339,300
65	74.9	215.2	194,100	296,700
70	73.5	213.7	167,100	261,400
75	72.1	212.1	144,000	231,600
80	70.7	210.3	124,000	206,200
85	69.3	208.4	106,500	184,200
90	67.8	206.3	91,000	165,000
95	66.4	204.1	77,300	148,100
100	64.9	201.8	64,900	133,100
105	63.4	199.2	53,900	119,700
110	61.9	196.6	43,800	107,700
115	60.4	193.7	34,700	96,800
120	58.9	190.7	26,300	86,900
125	57.3	187.4	18,700	77,900
130	55.7	184.0	11,700	69,700
135	54.1	180.4		62,100
140	52.4	176.5		55,100
145	50.7	172.4		48,600
150	48.9	168.0		42,600
155	47.1	163.4		37,000
160	45.2	158.4		31,700
165	43.3	153.1		26,300
170	41.3	147.4		20,700
175	39.2	141.3		15,500
180	37.0	134.7		10,500

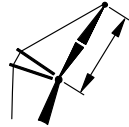
236.2 ft				
ft	°	ft	lb	lb
30	84.8	242.1	369,300	369,300
32	84.3	241.8	369,300	369,300
34	83.8	241.6	369,300	369,300
36	83.3	241.3	369,300	369,300
38	82.8	241.1	369,300	369,300
40	82.3	240.8	369,300	369,300
45	81.1	240.0	369,300	369,300
50	79.9	239.1	311,400	365,200
55	78.6	238.0	264,700	355,700
60	77.4	236.9	226,400	340,300
65	76.2	235.6	194,600	297,600
70	74.9	234.3	167,600	262,200
75	73.6	232.8	144,400	232,300
80	72.4	231.2	124,400	206,900
85	71.1	229.4	106,800	184,800
90	69.8	227.6	91,300	165,600
95	68.5	225.6	77,600	148,700
100	67.2	223.5	65,200	133,600
105	65.8	221.2	54,100	120,200
110	64.5	218.8	44,100	108,200
115	63.1	216.2	34,900	97,300
120	61.7	213.5	26,600	87,400
125	60.3	210.6	18,900	78,300
130	58.9	207.6	11,900	70,000
135	57.5	204.4		62,400
140	56.0	201.0		55,400
145	54.5	197.4		48,900
150	53.0	193.7		42,900
155	51.5	189.7		37,300
160	49.9	185.4		32,000
165	48.2	181.0		26,200
170	46.6	176.2		20,600
175	44.8	171.2		15,300
180	43.1	165.9		10,400

MLC300 VPC-MAX S-2

ASME B30.5



386,000 lb



177.2 ft

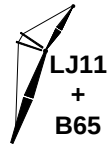


169°

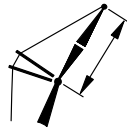
32	84.7	261.6	320,700	320,700
34	84.3	261.4	320,700	320,700
36	83.8	261.2	320,700	320,700
38	83.4	260.9	320,700	320,700
40	82.9	260.7	320,700	320,700
45	81.8	259.9	320,700	320,700
50	80.7	259.1	311,900	320,700
55	79.5	258.1	265,100	314,300
60	78.4	257.1	226,800	306,100
65	77.2	255.9	194,900	297,800
70	76.1	254.7	167,900	262,800
75	74.9	253.3	144,700	232,900
80	73.8	251.8	124,700	207,400
85	72.6	250.3	107,100	185,300
90	71.4	248.5	91,600	166,100
95	70.2	246.7	77,800	149,100
100	69.0	244.8	65,400	134,100
105	67.8	242.7	54,300	120,600
110	66.6	240.5	44,300	108,500
115	65.3	238.2	35,100	97,600
120	64.1	235.8	26,700	87,700
125	62.8	233.2	19,100	78,600
130	61.6	230.5	12,000	70,400
135	60.3	227.6		62,700
140	59.0	224.6		55,700
145	57.6	221.4		49,200
150	56.3	218.0		43,200
155	54.9	214.5		37,500
160	53.5	210.8		32,000
165	52.1	206.9		26,000
170	50.7	202.8		20,400
175	49.2	198.5		15,200
180	47.7	193.9		10,200

MLC300 VPC-MAX S-2

ASME B30.5



386,000 lb



196.9 ft



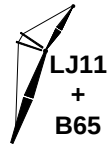
169°

177.2 ft				
ft	°	ft	lb	lb
24	85.0	183.3	521,700	521,700
26	84.3	183.1	520,300	520,300
28	83.7	182.8	518,900	518,900
30	83.0	182.6	517,500	517,500
32	82.4	182.3	516,200	516,200
34	81.7	182.0	509,500	509,500
36	81.1	181.6	492,500	492,500
38	80.4	181.2	456,200	492,500
40	79.8	180.9	420,300	492,500
45	78.1	179.8	346,300	488,400
50	76.4	178.5	288,800	434,000
55	74.8	177.1	242,800	372,900
60	73.1	175.6	205,100	321,300
65	71.4	173.9	173,700	279,300
70	69.6	172.0	147,100	244,400
75	67.9	169.9	124,300	215,100
80	66.1	167.7	104,600	190,000
85	64.3	165.3	87,300	168,300
90	62.5	162.6	72,000	149,400
95	60.6	159.8	58,500	132,700
100	58.7	156.7	46,300	118,000
105	56.8	153.4	35,400	104,800
110	54.8	149.9	25,500	92,900
115	52.8	146.1	16,500	82,200
120	50.7	142.0		72,500
125	48.5	137.5		63,600
130	46.3	132.7		55,500
135	44.0	127.6		48,000
140	41.5	121.9		41,100
145	39.0	115.8		34,700
150	36.2	109.0		28,600
155	33.3	101.5		21,900
160	30.1	93.0		15,600

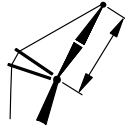
196.9 ft				
ft	°	ft	lb	lb
26	84.9	202.9	468,300	468,300
28	84.3	202.7	467,200	467,200
30	83.7	202.4	466,100	466,100
32	83.2	202.2	465,000	465,000
34	82.6	201.9	463,800	463,800
36	82.0	201.6	462,700	462,700
38	81.4	201.2	457,300	457,300
40	80.8	200.9	423,300	457,300
45	79.3	199.9	349,200	457,300
50	77.8	198.8	291,600	428,000
55	76.3	197.6	245,500	375,800
60	74.8	196.2	207,800	324,000
65	73.3	194.7	176,300	281,900
70	71.8	193.0	149,700	247,000
75	70.2	191.2	126,900	217,500
80	68.6	189.2	107,100	192,400
85	67.1	187.0	89,800	170,700
90	65.5	184.7	74,500	151,700
95	63.8	182.3	60,900	135,000
100	62.2	179.6	48,700	120,200
105	60.5	176.7	37,800	106,900
110	58.8	173.7	27,900	95,000
115	57.1	170.4	18,900	84,300
120	55.3	167.0	10,600	74,500
125	53.5	163.2		65,600
130	51.6	159.3		57,500
135	49.7	155.0		50,000
140	47.7	150.5		43,100
145	45.7	145.6		36,700
150	43.6	140.3		30,500
155	41.4	134.7		23,700
160	39.1	128.5		17,400
165	36.7	121.9		11,500

MLC300 VPC-MAX S-2

ASME B30.5



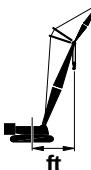
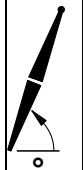
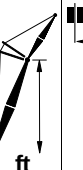
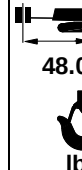
386,000 lb

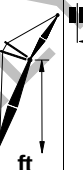
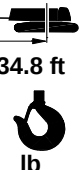
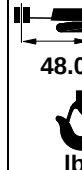


196.9 ft



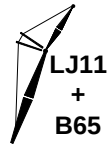
169°

216.5 ft				
 ft	 °	 ft	 34.8 ft lb	 48.0 ft lb
28	84.8	222.5	417,100	417,100
30	84.3	222.3	417,100	417,100
32	83.8	222.0	416,600	416,600
34	83.2	221.8	415,700	415,700
36	82.7	221.5	414,700	414,700
38	82.2	221.2	413,700	413,700
40	81.6	220.9	412,700	412,700
45	80.3	220.0	351,100	410,100
50	79.0	219.0	293,400	400,900
55	77.6	217.9	247,200	377,500
60	76.2	216.6	209,400	325,900
65	74.9	215.2	177,900	283,700
70	73.5	213.7	151,300	248,700
75	72.1	212.1	128,400	219,200
80	70.7	210.3	108,600	194,000
85	69.3	208.4	91,300	172,200
90	67.8	206.3	76,000	153,200
95	66.4	204.1	62,400	136,500
100	64.9	201.8	50,200	121,600
105	63.4	199.2	39,300	108,400
110	61.9	196.6	29,300	96,400
115	60.4	193.7	20,300	85,700
120	58.9	190.7	12,100	75,900
125	57.3	187.4		67,000
130	55.7	184.0		58,800
135	54.1	180.4		51,300
140	52.4	176.5		44,300
145	50.7	172.4		37,900
150	48.9	168.0		31,500
155	47.1	163.4		24,800
160	45.2	158.4		18,500
165	43.3	153.1		12,600

236.2 ft				
 ft	 °	 ft	 34.8 ft lb	 48.0 ft lb
30	84.8	242.1	360,700	360,700
32	84.3	241.8	360,700	360,700
34	83.8	241.6	360,700	360,700
36	83.3	241.3	360,700	360,700
38	82.8	241.1	360,700	360,700
40	82.3	240.8	360,700	360,700
45	81.1	240.0	352,300	360,700
50	79.9	239.1	294,500	353,300
55	78.6	238.0	248,300	343,500
60	77.4	236.9	210,400	327,300
65	76.2	235.6	178,900	285,000
70	74.9	234.3	152,200	249,900
75	73.6	232.8	129,300	220,300
80	72.4	231.2	109,500	195,100
85	71.1	229.4	92,100	173,200
90	69.8	227.6	76,800	154,200
95	68.5	225.6	63,200	137,400
100	67.2	223.5	51,000	122,500
105	65.8	221.2	40,000	109,200
110	64.5	218.8	30,100	97,300
115	63.1	216.2	21,000	86,500
120	61.7	213.5	12,800	76,700
125	60.3	210.6		67,700
130	58.9	207.6		59,500
135	57.5	204.4		52,000
140	56.0	201.0		45,000
145	54.5	197.4		38,600
150	53.0	193.7		31,800
155	51.5	189.7		25,100
160	49.9	185.4		18,800
165	48.2	181.0		12,900

MLC300 VPC-MAX S-2

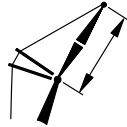
ASME B30.5



386,000 lb



360°



196.9 ft

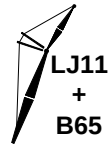


169°

ft	°	ft	lb	lb
32	84.7	261.6	311,900	311,900
34	84.3	261.4	311,900	311,900
36	83.8	261.2	311,900	311,900
38	83.4	260.9	311,900	311,900
40	82.9	260.7	311,900	311,900
45	81.8	259.9	311,900	311,900
50	80.7	259.1	295,400	308,900
55	79.5	258.1	249,100	300,700
60	78.4	257.1	211,200	292,300
65	77.2	255.9	179,600	283,800
70	76.1	254.7	152,900	250,900
75	74.9	253.3	130,000	221,200
80	73.8	251.8	110,100	195,900
85	72.6	250.3	92,800	174,100
90	71.4	248.5	77,400	155,000
95	70.2	246.7	63,800	138,200
100	69.0	244.8	51,600	123,300
105	67.8	242.7	40,600	109,900
110	66.6	240.5	30,600	98,000
115	65.3	238.2	21,600	87,100
120	64.1	235.8	13,300	77,300
125	62.8	233.2		68,400
130	61.6	230.5		60,100
135	60.3	227.6		52,600
140	59.0	224.6		45,600
145	57.6	221.4		39,100
150	56.3	218.0		31,900
155	54.9	214.5		25,200
160	53.5	210.8		19,000
165	52.1	206.9		13,100

MLC300 VPC-MAX S-2

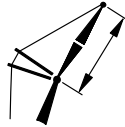
ASME B30.5



386,000 lb



360°



216.5 ft



169°

 177.2 ft				
ft	°	ft	lb	lb
24	85.0	183.3	512,400	512,400
26	84.3	183.1	510,800	510,800
28	83.7	182.8	509,300	509,300
30	83.0	182.6	507,800	507,800
32	82.4	182.3	506,300	506,300
34	81.7	182.0	502,400	502,400
36	81.1	181.6	480,800	490,700
38	80.4	181.2	440,700	490,700
40	79.8	180.9	405,100	490,700
45	78.1	179.8	331,800	477,500
50	76.4	178.5	274,700	423,100
55	74.8	177.1	229,100	361,600
60	73.1	175.6	191,700	310,300
65	71.4	173.9	160,600	268,700
70	69.6	172.0	134,300	234,100
75	67.9	169.9	111,700	204,900
80	66.1	167.7	92,100	180,100
85	64.3	165.3	75,000	158,600
90	62.5	162.6	59,900	139,800
95	60.6	159.8	46,500	123,300
100	58.7	156.7	34,500	108,600
105	56.8	153.4	23,600	95,500
110	54.8	149.9	13,800	83,800
115	52.8	146.1		73,100
120	50.7	142.0		63,500
125	48.5	137.5		54,700
130	46.3	132.7		46,700
135	44.0	127.6		39,300
140	41.5	121.9		32,200
145	39.0	115.8		24,500
150	36.2	109.0		17,400
155	33.3	101.5		10,700

 196.9 ft				
ft	°	ft	lb	lb
26	84.9	202.9	459,900	459,900
28	84.3	202.7	458,800	458,800
30	83.7	202.4	457,800	457,800
32	83.2	202.2	456,700	456,700
34	82.6	201.9	455,700	455,700
36	82.0	201.6	454,600	454,600
38	81.4	201.2	444,300	453,500
40	80.8	200.9	408,700	452,300
45	79.3	199.9	335,300	449,500
50	77.8	198.8	278,100	417,800
55	76.3	197.6	232,400	365,000
60	74.8	196.2	195,000	313,600
65	73.3	194.7	163,800	271,800
70	71.8	193.0	137,400	237,100
75	70.2	191.2	114,800	207,900
80	68.6	189.2	95,200	182,900
85	67.1	187.0	78,100	161,400
90	65.5	184.7	62,900	142,500
95	63.8	182.3	49,500	126,000
100	62.2	179.6	37,400	111,300
105	60.5	176.7	26,600	98,100
110	58.8	173.7	16,800	86,300
115	57.1	170.4		75,700
120	55.3	167.0		66,000
125	53.5	163.2		57,200
130	51.6	159.3		49,100
135	49.7	155.0		41,700
140	47.7	150.5		34,600
145	45.7	145.6		26,900
150	43.6	140.3		19,700
155	41.4	134.7		13,000

MLC300 VPC-MAX S-2

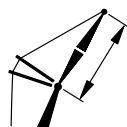
ASME B30.5



386,000 lb



360°



216.5 ft



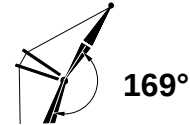
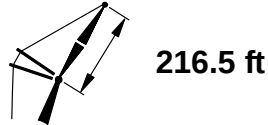
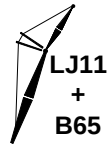
169°

216.5 ft				
ft	°	ft	lb	lb
28	84.8	222.5	410,600	410,600
30	84.3	222.3	410,100	410,100
32	83.8	222.0	409,300	409,300
34	83.2	221.8	408,500	408,500
36	82.7	221.5	407,700	407,700
38	82.2	221.2	406,600	406,600
40	81.6	220.9	405,700	405,700
45	80.3	220.0	337,600	403,100
50	79.0	219.0	280,400	391,300
55	77.6	217.9	234,600	367,400
60	76.2	216.6	197,100	315,900
65	74.9	215.2	165,900	274,000
70	73.5	213.7	139,500	239,200
75	72.1	212.1	116,900	210,000
80	70.7	210.3	97,200	184,900
85	69.3	208.4	80,100	163,300
90	67.8	206.3	64,900	144,500
95	66.4	204.1	51,400	127,800
100	64.9	201.8	39,400	113,100
105	63.4	199.2	28,500	99,900
110	61.9	196.6	18,700	88,100
115	60.4	193.7		77,400
120	58.9	190.7		67,700
125	57.3	187.4		58,900
130	55.7	184.0		50,800
135	54.1	180.4		43,300
140	52.4	176.5		36,000
145	50.7	172.4		28,300
150	48.9	168.0		21,200
155	47.1	163.4		14,500

236.2 ft				
ft	°	ft	lb	lb
30	84.8	242.1	354,100	354,100
32	84.3	241.8	354,100	354,100
34	83.8	241.6	354,100	354,100
36	83.3	241.3	354,100	354,100
38	82.8	241.1	354,100	354,100
40	82.3	240.8	354,100	354,100
45	81.1	240.0	339,200	352,300
50	79.9	239.1	281,900	342,000
55	78.6	238.0	236,100	332,200
60	77.4	236.9	198,500	317,600
65	76.2	235.6	167,300	275,600
70	74.9	234.3	140,800	240,700
75	73.6	232.8	118,100	211,400
80	72.4	231.2	98,500	186,300
85	71.1	229.4	81,300	164,600
90	69.8	227.6	66,100	145,700
95	68.5	225.6	52,600	129,100
100	67.2	223.5	40,500	114,300
105	65.8	221.2	29,600	101,100
110	64.5	218.8	19,800	89,300
115	63.1	216.2	10,800	78,500
120	61.7	213.5		68,800
125	60.3	210.6		59,900
130	58.9	207.6		51,800
135	57.5	204.4		44,300
140	56.0	201.0		36,700
145	54.5	197.4		29,000
150	53.0	193.7		21,800
155	51.5	189.7		15,200

MLC300 VPC-MAX S-2

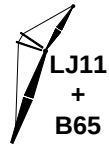
ASME B30.5



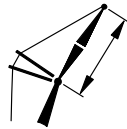
255.9 ft				
ft	°	ft	lb	lb
32	84.7	261.6	305,300	305,300
34	84.3	261.4	305,300	305,300
36	83.8	261.2	305,300	305,300
38	83.4	260.9	305,300	305,300
40	82.9	260.7	305,300	305,300
45	81.8	259.9	305,300	305,300
50	80.7	259.1	283,100	299,700
55	79.5	258.1	237,200	291,200
60	78.4	257.1	199,700	282,800
65	77.2	255.9	168,400	273,100
70	76.1	254.7	141,900	242,000
75	74.9	253.3	119,200	212,600
80	73.8	251.8	99,500	187,500
85	72.6	250.3	82,200	165,700
90	71.4	248.5	67,000	146,800
95	70.2	246.7	53,500	130,100
100	69.0	244.8	41,400	115,300
105	67.8	242.7	30,500	102,100
110	66.6	240.5	20,700	90,200
115	65.3	238.2	11,700	79,500
120	64.1	235.8		69,700
125	62.8	233.2		60,800
130	61.6	230.5		52,700
135	60.3	227.6		45,200
140	59.0	224.6		37,100
145	57.6	221.4		29,500
150	56.3	218.0		22,300
155	54.9	214.5		15,700

MLC300 VPC-MAX S-2

ASME B30.5



386,000 lb



236.2 ft



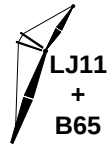
169°

177.2 ft				
ft	°	ft	lb	lb
24	85.0	183.3	505,400	505,400
26	84.3	183.1	503,800	503,800
28	83.7	182.8	502,100	502,100
30	83.0	182.6	500,400	500,400
32	82.4	182.3	498,800	498,800
34	81.7	182.0	497,200	497,200
36	81.1	181.6	468,600	493,600
38	80.4	181.2	428,700	493,600
40	79.8	180.9	393,400	492,600
45	78.1	179.8	320,600	469,200
50	76.4	178.5	264,000	414,800
55	74.8	177.1	218,700	352,900
60	73.1	175.6	181,600	302,000
65	71.4	173.9	150,800	260,600
70	69.6	172.0	124,600	226,200
75	67.9	169.9	102,200	197,300
80	66.1	167.7	82,800	172,600
85	64.3	165.3	65,800	151,200
90	62.5	162.6	50,800	132,600
95	60.6	159.8	37,500	116,200
100	58.7	156.7	25,600	101,600
105	56.8	153.4	14,900	88,600
110	54.8	149.9		77,000
115	52.8	146.1		66,400
120	50.7	142.0		56,800
125	48.5	137.5		48,100
130	46.3	132.7		40,100
135	44.0	127.6		32,000
140	41.5	121.9		23,700
145	39.0	115.8		16,100

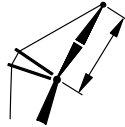
196.9 ft				
ft	°	ft	lb	lb
26	84.9	202.9	453,400	453,400
28	84.3	202.7	452,200	452,200
30	83.7	202.4	451,100	451,100
32	83.2	202.2	449,900	449,900
34	82.6	201.9	448,800	448,800
36	82.0	201.6	447,700	447,700
38	81.4	201.2	432,800	446,600
40	80.8	200.9	397,400	445,500
45	79.3	199.9	324,500	442,900
50	77.8	198.8	267,800	410,000
55	76.3	197.6	222,500	356,700
60	74.8	196.2	185,300	305,600
65	73.3	194.7	154,400	264,100
70	71.8	193.0	128,200	229,600
75	70.2	191.2	105,800	200,600
80	68.6	189.2	86,300	175,800
85	67.1	187.0	69,300	154,400
90	65.5	184.7	54,300	135,700
95	63.8	182.3	41,000	119,200
100	62.2	179.6	29,000	104,600
105	60.5	176.7	18,300	91,600
110	58.8	173.7		79,900
115	57.1	170.4		69,300
120	55.3	167.0		59,700
125	53.5	163.2		50,900
130	51.6	159.3		42,900
135	49.7	155.0		34,800
140	47.7	150.5		26,500
145	45.7	145.6		18,900
150	43.6	140.3		11,800

MLC300 VPC-MAX S-2

ASME B30.5



386,000 lb



236.2 ft



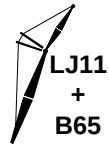
169°

 216.5 ft				
ft	°	ft	lb	lb
28	84.8	222.5	405,400	405,400
30	84.3	222.3	404,600	404,600
32	83.8	222.0	403,800	403,800
34	83.2	221.8	402,900	402,900
36	82.7	221.5	402,000	402,000
38	82.2	221.2	401,100	401,100
40	81.6	220.9	400,200	400,300
45	80.3	220.0	327,200	396,200
50	79.0	219.0	270,500	384,200
55	77.6	217.9	225,000	359,400
60	76.2	216.6	187,900	308,200
65	74.9	215.2	156,900	266,600
70	73.5	213.7	130,700	232,100
75	72.1	212.1	108,200	203,000
80	70.7	210.3	88,700	178,100
85	69.3	208.4	71,700	156,700
90	67.8	206.3	56,700	137,900
95	66.4	204.1	43,300	121,400
100	64.9	201.8	31,300	106,800
105	63.4	199.2	20,600	93,700
110	61.9	196.6	10,800	81,900
115	60.4	193.7		71,300
120	58.9	190.7		61,700
125	57.3	187.4		52,900
130	55.7	184.0		44,900
135	54.1	180.4		36,600
140	52.4	176.5		28,400
145	50.7	172.4		20,700
150	48.9	168.0		13,600

 236.2 ft				
ft	°	ft	lb	lb
30	84.8	242.1	349,000	349,000
32	84.3	241.8	349,000	349,000
34	83.8	241.6	349,000	349,000
36	83.3	241.3	349,000	349,000
38	82.8	241.1	349,000	349,000
40	82.3	240.8	349,000	349,000
45	81.1	240.0	329,200	345,400
50	79.9	239.1	272,300	335,100
55	78.6	238.0	226,800	325,200
60	77.4	236.9	189,600	310,200
65	76.2	235.6	158,600	268,500
70	74.9	234.3	132,300	233,900
75	73.6	232.8	109,800	204,700
80	72.4	231.2	90,300	179,800
85	71.1	229.4	73,200	158,200
90	69.8	227.6	58,200	139,500
95	68.5	225.6	44,800	122,900
100	67.2	223.5	32,800	108,200
105	65.8	221.2	22,000	95,100
110	64.5	218.8	12,200	83,300
115	63.1	216.2		72,700
120	61.7	213.5		63,000
125	60.3	210.6		54,200
130	58.9	207.6		46,100
135	57.5	204.4		37,500
140	56.0	201.0		29,300
145	54.5	197.4		21,700
150	53.0	193.7		14,600

MLC300 VPC-MAX S-2

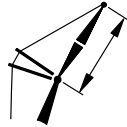
ASME B30.5



386,000 lb



360°



236.2 ft

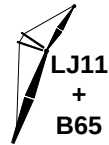


169°

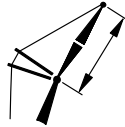
ft	°	ft	lb	lb
32	84.7	261.6	300,100	300,100
34	84.3	261.4	300,100	300,100
36	83.8	261.2	300,100	300,100
38	83.4	260.9	300,100	300,100
40	82.9	260.7	300,100	300,100
45	81.8	259.9	300,100	300,100
50	80.7	259.1	273,800	292,900
55	79.5	258.1	228,300	284,500
60	78.4	257.1	191,000	275,900
65	77.2	255.9	159,900	265,300
70	76.1	254.7	133,600	235,300
75	74.9	253.3	111,100	206,100
80	73.8	251.8	91,600	181,100
85	72.6	250.3	74,500	159,600
90	71.4	248.5	59,400	140,700
95	70.2	246.7	46,000	124,200
100	69.0	244.8	34,000	109,500
105	67.8	242.7	23,200	96,300
110	66.6	240.5	13,400	84,500
115	65.3	238.2		73,800
120	64.1	235.8		64,200
125	62.8	233.2		55,300
130	61.6	230.5		47,100
135	60.3	227.6		38,200
140	59.0	224.6		30,000
145	57.6	221.4		22,400
150	56.3	218.0		15,400

MLC300 VPC-MAX S-2

ASME B30.5



386,000 lb



255.9 ft



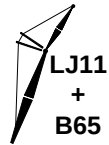
169°

ft	°	ft	lb	lb
24	85.0	183.3	496,600	496,600
26	84.3	183.1	494,800	494,800
28	83.7	182.8	493,000	493,000
30	83.0	182.6	491,200	491,200
32	82.4	182.3	489,500	489,500
34	81.7	182.0	487,700	487,700
36	81.1	181.6	453,300	486,000
38	80.4	181.2	413,900	484,300
40	79.8	180.9	378,900	482,600
45	78.1	179.8	306,700	458,800
50	76.4	178.5	250,600	404,400
55	74.8	177.1	205,700	342,100
60	73.1	175.6	169,000	291,600
65	71.4	173.9	138,400	250,500
70	69.6	172.0	112,500	216,400
75	67.9	169.9	90,300	187,700
80	66.1	167.7	71,100	163,200
85	64.3	165.3	54,300	142,000
90	62.5	162.6	39,500	123,500
95	60.6	159.8	26,300	107,300
100	58.7	156.7	14,500	92,800
105	56.8	153.4		80,000
110	54.8	149.9		68,400
115	52.8	146.1		58,000
120	50.7	142.0		48,500
125	48.5	137.5		39,600
130	46.3	132.7		30,000
135	44.0	127.6		21,200
140	41.5	121.9		13,100

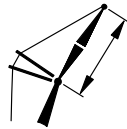
ft	°	ft	lb	lb
26	84.9	202.9	445,000	445,000
28	84.3	202.7	443,800	443,800
30	83.7	202.4	442,600	442,600
32	83.2	202.2	441,400	441,400
34	82.6	201.9	440,100	440,100
36	82.0	201.6	438,900	438,900
38	81.4	201.2	418,500	437,700
40	80.8	200.9	383,500	436,600
45	79.3	199.9	311,200	433,700
50	77.8	198.8	255,000	400,300
55	76.3	197.6	210,100	346,400
60	74.8	196.2	173,300	295,700
65	73.3	194.7	142,600	254,500
70	71.8	193.0	116,700	220,300
75	70.2	191.2	94,500	191,500
80	68.6	189.2	75,200	166,900
85	67.1	187.0	58,400	145,700
90	65.5	184.7	43,500	127,100
95	63.8	182.3	30,300	110,800
100	62.2	179.6	18,500	96,300
105	60.5	176.7		83,400
110	58.8	173.7		71,800
115	57.1	170.4		61,300
120	55.3	167.0		51,800
125	53.5	163.2		43,000
130	51.6	159.3		33,400
135	49.7	155.0		24,600
140	47.7	150.5		16,400

MLC300 VPC-MAX S-2

ASME B30.5



386,000 lb



255.9 ft



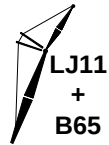
169°

216.5 ft				
ft	°	ft	lb	lb
28	84.8	222.5	397,800	397,800
30	84.3	222.3	397,000	397,000
32	83.8	222.0	396,200	396,200
34	83.2	221.8	395,400	395,400
36	82.7	221.5	394,600	394,600
38	82.2	221.2	393,800	393,800
40	81.6	220.9	386,700	393,000
45	80.3	220.0	314,400	385,400
50	79.0	219.0	258,100	373,400
55	77.6	217.9	213,100	349,500
60	76.2	216.6	176,300	298,700
65	74.9	215.2	145,600	257,400
70	73.5	213.7	119,600	223,100
75	72.1	212.1	97,400	194,300
80	70.7	210.3	78,100	169,600
85	69.3	208.4	61,200	148,300
90	67.8	206.3	46,300	129,700
95	66.4	204.1	33,100	113,300
100	64.9	201.8	21,200	98,800
105	63.4	199.2	10,600	85,900
110	61.9	196.6		74,200
115	60.4	193.7		63,700
120	58.9	190.7		54,100
125	57.3	187.4		45,200
130	55.7	184.0		35,700
135	54.1	180.4		26,900
140	52.4	176.5		18,700
145	50.7	172.4		11,200

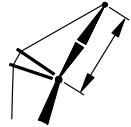
236.2 ft				
ft	°	ft	lb	lb
30	84.8	242.1	342,500	342,500
32	84.3	241.8	342,500	342,500
34	83.8	241.6	342,500	342,500
36	83.3	241.3	342,500	342,500
38	82.8	241.1	342,500	342,500
40	82.3	240.8	342,500	342,500
45	81.1	240.0	316,700	336,800
50	79.9	239.1	260,400	326,300
55	78.6	238.0	215,300	316,400
60	77.4	236.9	178,400	301,000
65	76.2	235.6	147,700	259,600
70	74.9	234.3	121,700	225,200
75	73.6	232.8	99,400	196,300
80	72.4	231.2	80,000	171,600
85	71.1	229.4	63,100	150,200
90	69.8	227.6	48,200	131,600
95	68.5	225.6	35,000	115,200
100	67.2	223.5	23,100	100,600
105	65.8	221.2	12,400	87,600
110	64.5	218.8		75,900
115	63.1	216.2		65,400
120	61.7	213.5		55,800
125	60.3	210.6		46,500
130	58.9	207.6		37,000
135	57.5	204.4		28,200
140	56.0	201.0		20,000
145	54.5	197.4		12,500

MLC300 VPC-MAX S-2

ASME B30.5



386,000 lb



255.9 ft

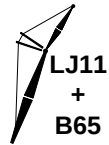


169°

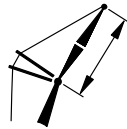
 255.9 ft				
ft	°	ft	lb	lb
32	84.7	261.6	293,600	293,600
34	84.3	261.4	293,600	293,600
36	83.8	261.2	293,600	293,600
38	83.4	260.9	293,600	293,600
40	82.9	260.7	293,600	293,600
45	81.8	259.9	293,200	293,200
50	80.7	259.1	262,200	284,300
55	79.5	258.1	217,000	275,700
60	78.4	257.1	180,100	267,200
65	77.2	255.9	149,400	255,500
70	76.1	254.7	123,300	227,000
75	74.9	253.3	101,000	198,000
80	73.8	251.8	81,600	173,200
85	72.6	250.3	64,700	151,800
90	71.4	248.5	49,800	133,100
95	70.2	246.7	36,500	116,700
100	69.0	244.8	24,600	102,100
105	67.8	242.7	13,900	89,000
110	66.6	240.5		77,300
115	65.3	238.2		66,800
120	64.1	235.8		57,100
125	62.8	233.2		47,500
130	61.6	230.5		38,000
135	60.3	227.6		29,200
140	59.0	224.6		21,100
145	57.6	221.4		13,600

MLC300 VPC-MAX S-2

ASME B30.5



386,000 lb



275.6 ft



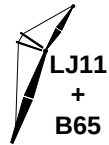
169°

216.5 ft				
ft	°	ft	lb	lb
28	84.8	222.5	390,800	390,800
30	84.3	222.3	390,000	390,000
32	83.8	222.0	389,200	389,200
34	83.2	221.8	388,300	388,300
36	82.7	221.5	387,500	387,500
38	82.2	221.2	386,600	386,600
40	81.6	220.9	374,900	385,800
45	80.3	220.0	303,200	377,700
50	79.0	219.0	247,400	365,600
55	77.6	217.9	202,800	340,900
60	76.2	216.6	166,300	290,400
65	74.9	215.2	135,900	249,400
70	73.5	213.7	110,100	215,400
75	72.1	212.1	88,100	186,700
80	70.7	210.3	68,900	162,300
85	69.3	208.4	52,200	141,100
90	67.8	206.3	37,500	122,700
95	66.4	204.1	24,400	106,400
100	64.9	201.8	12,600	92,000
105	63.4	199.2		79,100
110	61.9	196.6		67,600
115	60.4	193.7		57,100
120	58.9	190.7		47,100
125	57.3	187.4		36,800
130	55.7	184.0		27,300
135	54.1	180.4		18,600
140	52.4	176.5		10,500

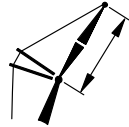
236.2 ft				
ft	°	ft	lb	lb
30	84.8	242.1	336,700	336,700
32	84.3	241.8	336,700	336,700
34	83.8	241.6	336,700	336,700
36	83.3	241.3	336,700	336,700
38	82.8	241.1	336,700	336,700
40	82.3	240.8	336,700	336,700
45	81.1	240.0	305,800	329,200
50	79.9	239.1	250,000	318,700
55	78.6	238.0	205,300	308,700
60	77.4	236.9	168,700	293,000
65	76.2	235.6	138,300	251,900
70	74.9	234.3	112,500	217,800
75	73.6	232.8	90,400	189,100
80	72.4	231.2	71,300	164,500
85	71.1	229.4	54,500	143,300
90	69.8	227.6	39,700	124,800
95	68.5	225.6	26,600	108,500
100	67.2	223.5	14,800	94,100
105	65.8	221.2		81,200
110	64.5	218.8		69,600
115	63.1	216.2		59,100
120	61.7	213.5		48,700
125	60.3	210.6		38,400
130	58.9	207.6		29,000
135	57.5	204.4		20,200
140	56.0	201.0		12,200

MLC300 VPC-MAX S-2

ASME B30.5



386,000 lb



275.6 ft



169°

32	84.7	261.6	287,700	287,700
34	84.3	261.4	287,700	287,700
36	83.8	261.2	287,700	287,700
38	83.4	260.9	287,700	287,700
40	82.9	260.7	287,700	287,700
45	81.8	259.9	285,700	285,700
50	80.7	259.1	252,100	276,700
55	79.5	258.1	207,400	268,200
60	78.4	257.1	170,800	258,700
65	77.2	255.9	140,300	246,800
70	76.1	254.7	114,400	219,800
75	74.9	253.3	92,300	191,000
80	73.8	251.8	73,100	166,400
85	72.6	250.3	56,400	145,200
90	71.4	248.5	41,600	126,600
95	70.2	246.7	28,400	110,300
100	69.0	244.8	16,600	95,800
105	67.8	242.7		82,900
110	66.6	240.5		71,200
115	65.3	238.2		60,700
120	64.1	235.8		50,000
125	62.8	233.2		39,700
130	61.6	230.5		30,300
135	60.3	227.6		21,600
140	59.0	224.6		13,500