

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 149 on  
 Boom No. B10:82A  
 219,600 lb Crane Counterweight  
 80,000 lb Carbody Counterweight  
 360 Degree Rating

## MLC250 SERIES 3



**LIFTING CAPACITIES:** Lifting capacities for various boom lengths, boom angles, luffing jib lengths, and luffing jib 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 luffing jib point capacity for liftcrane service with single part whip line from Drum 2 is 29,500 lb or 59,000 lb with two part whip line. When Drum 3 is used, capacity with single part whip line is 20,000 lb or 40,000 lb with two part whip line. In all cases, upper luffing jib point capacities cannot exceed those listed for main luffing jib capacity.

Weight of all load blocks, hooks, weight ball, slings, hoist lines, etc., beneath boom and luffing jib point sheaves is considered part of load. Boom and luffing jib are not to be lowered beyond radii where combined weights are greater than rated capacity. Operation is only approved for boom and luffing jib angle range shown in capacity chart.

**LUFFING JIB BACKWARD STABILITY:** Capacities indicated by (b) require 4,000 lb minimum weight suspended beneath luffing jib point. Capacities indicated by (c) require 7,000 lb minimum weight suspended beneath luffing jib point. Capacities indicated by (d) require 10,000 lb minimum weight suspended beneath luffing jib point. **Caution: Do not luff into areas indicated by (b), (c), or (d) without required minimum weights.** Luffing jib may not luff down and luffing jib hoist wire rope may go slack. Luffing jib hoist wire rope may overhaul jib and cause wire rope damage or failure.

**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. Refer to Boom Rigging No. 80137888, Luffing Jib Rigging No. 80138075, Wire Rope Specification chart No. 9931-A, Counterweight Arrangements chart No. 9893-A, Luffing Jib Raising Procedure chart No. 9928-A, and Wind Conditions chart No. 9930-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. 9929-A.



**OPERATING RADIUS:** Operating radius is horizontal distance from axis of rotation to center of vertical hoist line or load block. Boom angle and luffing jib angle are an indication of operating radius. In all cases, operating radius shall govern capacity.



**BOOM ANGLE:** Boom angle in degrees ( $^{\circ}$ ) is angle between horizontal and centerline of boom butt and inserts.



**LUFFING JIB ANGLE:** Luffing jib angle in degrees ( $^{\circ}$ ) is angle between horizontal and centerline of luffing jib butt and inserts.



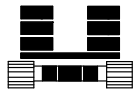
**LUFFING JIB POINT ELEVATION:** Luffing jib point elevation is vertical distance from ground level to centerline of luffing jib point shaft.

**MACHINE EQUIPMENT:** Machine equipped with 28 ft 2 in. crawlers, 48 in. or 60 in. treads, 10 ft 3 in. retractable gantry, 30 ft live mast, 20 part boom hoist reeving, boom support straps, 9 part luffing jib hoist reeving, two 1-1/2 in. luffing jib pendant backstays, and luffing jib support straps.

## Explanation of Symbols



Luffing Jib No. 149  
+  
Boom No. B10:82A



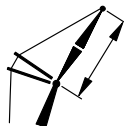
Crane Counterweight  
+  
Carbody Counterweight



360 Degree Rating



Boom Length



Luffing Jib Length



Boom Angle  
(see page 1)



Operating Radius  
(see page 1)



Luffing Jib Angle  
(see page 1)



Luffing Jib Point Elevation  
(see page 1)



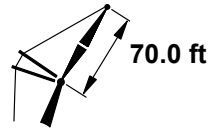
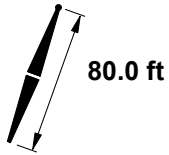
Lifting Capacities  
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REFERENCE ONLY!

# MLC250 S-3

ASME B30.5



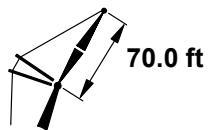
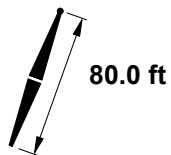
	88°			86°			83°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
30	74.5	155.2	160,000 d							30
32	72.8	154.5	160,000 d							32
34	71.1	153.8	160,000 d	73.5	154.6	158,000 d				34
36	69.3	153.1	160,000 d	71.7	153.9	158,000 d				36
38	67.5	152.2	157,800 c	70.0	153.2	158,000 d				38
40	65.7	151.3	151,500 b	68.2	152.4	158,000 c				40
41	64.8	150.8	148,700 b	67.3	151.9	155,300 c	71.0	153.1	158,000 d	41
45	61.1	148.7	137,600 b	63.7	150.0	144,900 b	67.5	151.5	156,800 c	45
49	57.2	146.2	128,200 b	59.9	147.7	134,600 b	63.8	149.5	145,100 c	49
50	56.3	145.5	125,900	59.0	147.2	132,000 b	62.9	149.1	142,100 b	50
55	51.1	141.7	114,600	54.0	143.7	121,200	58.2	146.1	129,700 b	55
60	45.5	137.1	101,800	48.7	139.6	108,600	53.2	142.6	118,300	60
61	44.3	136.0	99,700	47.5	138.6	106,200	52.1	141.7	115,900	61
65	39.3	131.4	91,400	42.9	134.5	96,900	47.8	138.3	106,400	65
70	32.1	124.2	82,800	36.3	128.2	87,300	41.8	133.0	95,100	70
73	26.6	118.2	76,900	31.6	123.3	82,600	37.8	129.1	89,600	73
75	23.0	114.2	72,900	28.4	120.0	79,400	35.1	126.5	85,800	75
80	3.3	90.8	50,000	17.4	107.6	66,700	26.9	117.8	78,100	80
82				9.9	98.6	57,800	22.0	112.3	73,200	82
84							17.2	106.7	68,300	84
85							14.8	103.9	65,900	85
86							10.7	99.1	61,200	86
90										90
91										91
95										95
97										97
100										100
104										104
105										105
110										110

# MLC250 S-3

ASME B30.5



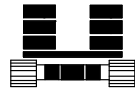
219,600 lb  
+  
80,000 lb



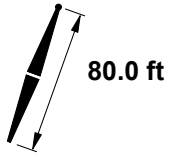
	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
30													30
32													32
34													34
36													36
38													38
40													40
41													41
45													45
49	67.6	150.8	147,300 c										49
50	66.7	150.4	144,900 c										50
55	62.1	147.8	130,000 b										55
60	57.3	144.8	116,300										60
61	56.3	144.1	114,000	62.8	146.6	110,600 b							61
65	52.2	141.1	105,000	59.0	144.2	102,000 b							65
70	46.8	136.7	95,600	54.1	140.8	92,900							70
73	43.1	133.4	90,900	50.9	138.3	88,200	57.7	141.1	85,500 b				73
75	40.7	131.3	87,700	48.8	136.7	85,100	55.7	139.7	82,600				75
80	33.8	124.4	80,800	42.9	131.6	78,500	50.5	135.8	76,200				80
82	30.4	120.7	78,400	40.3	129.1	76,200	48.2	133.9	73,900				82
84	26.9	117.0	76,000	37.7	126.6	73,900	46.0	132.0	71,700	53.0	134.9	69,500	84
85	25.2	115.2	74,800	36.4	125.4	72,700	44.9	131.1	70,600	52.0	134.1	68,500	85
86	22.4	112.0	72,700	34.8	123.7	71,700	43.6	129.9	69,600	50.9	133.2	67,500	86
90	11.3	99.1	64,400	28.5	117.2	67,600	38.6	125.2	65,700	46.5	129.6	63,700	90
91	4.4	90.7	57,200	26.3	114.7	66,700	37.1	123.7	64,800	45.3	128.5	62,900	91
95				17.6	104.8	63,000	31.2	117.8	61,300	40.4	124.1	59,500	95
97				10.2	96.0	61,300	27.4	113.6	59,700	37.6	121.3	58,000	97
100							21.7	107.3	57,300	33.4	117.2	55,700	100
104							7.8	107.3	54,400	26.4	109.7	53,000	104
105										24.7	107.8	52,300	105
110										10.1	90.7	49,100	110

# MLC250 S-3

ASME B30.5



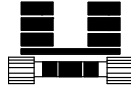
219,600 lb  
+  
80,000 lb



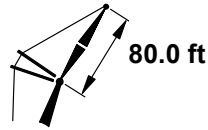
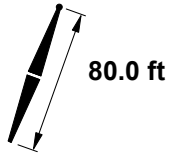
	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
31	75.7	165.3	158,000 d							31
32	75.0	165.0	158,000 d							32
34	73.5	164.4	158,000 d							34
36	72.0	163.7	158,000 d							36
37	71.2	163.4	155,700 d	73.3	164.1	158,000 d				37
38	70.5	163.0	153,400 c	72.6	163.8	158,000 d				38
40	68.9	162.2	147,500 b	71.1	163.1	155,500 c				40
45	65.0	160.0	134,300 b	67.2	161.1	141,500 b	70.4	162.3	152,400 c	45
50	61.0	157.4	123,000	63.2	158.7	129,100 b	66.6	160.2	139,000 b	50
53	58.4	155.5	117,200	60.8	157.0	122,800 b	64.2	158.7	131,800 b	53
55	56.7	154.2	113,400	59.1	155.8	118,600	62.6	157.7	127,100	55
60	52.3	150.6	101,500	54.8	152.5	108,300	58.4	154.8	116,900	60
65	47.5	146.2	91,100	50.2	148.5	96,600	54.1	151.3	106,200	65
66	46.5	145.2	89,300	49.2	147.6	94,700	53.1	150.5	103,900	66
70	42.4	141.0	82,400	45.3	143.8	87,000	49.4	147.2	94,900	70
75	36.6	134.8	75,100	39.9	138.2	79,000	44.5	142.4	85,600	75
78	32.6	130.0	71,400	36.3	134.1	74,900	41.2	138.9	80,900	78
80	30.0	126.9	68,900	33.8	131.3	72,200	39.0	136.6	77,800	80
85	21.4	116.0	61,400	26.5	122.4	66,400	32.7	129.5	71,100	85
90	3.0	90.9	43,000	16.2	108.9	56,600	25.1	120.0	65,400	90
92				9.2	99.4	49,500	20.5	114.0	61,700	92
95							13.7	105.1	56,200	95
96							10.0	99.9	52,300	96
100										100
101										101
105										105
107										107
110										110
114										114
115										115
120										120

# MLC250 S-3

ASME B30.5



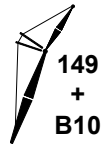
219,600 lb  
+  
80,000 lb



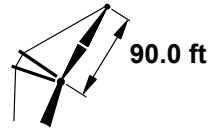
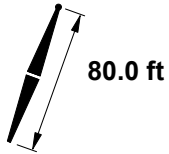
	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
31													31
32													32
34													34
36													36
37													37
38													38
40													40
45													45
50													50
53	67.4	160.0	135,900 b										53
55	65.9	159.1	129,600 b										55
60	61.8	156.5	115,900										60
65	57.7	153.5	104,600										65
66	56.8	152.8	102,800	62.5	155.2	99,500							66
70	53.3	149.9	95,300	59.2	152.9	92,400							70
75	48.6	145.7	87,300	54.8	149.5	84,700							75
78	45.6	142.7	83,200	52.1	147.2	80,700	58.0	149.7	78,100				78
80	43.5	140.7	80,500	50.3	145.6	78,100	56.3	148.4	75,700				80
85	37.9	134.7	74,600	45.4	140.9	72,300	51.8	144.6	70,100				85
90	31.5	127.3	69,400	40.0	135.3	67,300	47.0	140.2	65,200	53.0	142.9	63,200	90
92	28.3	123.3	67,400	37.6	132.5	65,500	44.9	138.1	63,500	51.1	141.2	61,500	92
95	23.5	117.3	64,500	33.9	128.4	62,800	41.8	134.9	60,900	48.3	138.6	59,000	95
96	20.9	113.8	62,600	32.4	126.6	62,000	40.6	133.6	60,100	47.3	137.6	58,200	96
100	10.5	99.9	55,100	26.6	119.5	58,800	36.0	128.5	57,000	43.3	133.6	55,300	100
101	4.0	90.9	49,300	24.5	116.9	58,100	34.6	126.9	56,300	42.1	132.4	54,600	101
105				16.4	106.2	55,200	29.1	120.4	53,600	37.6	127.6	51,900	105
107				9.5	96.8	53,800	25.5	115.8	52,300	35.0	124.5	50,700	107
110							20.2	109.0	50,400	31.1	120.0	48,900	110
114							7.3	91.4	47,900	24.6	111.8	46,600	114
115										23.0	109.8	46,100	115
120										9.3	91.4	43,400	120

# MLC250 S-3

ASME B30.5



219,600 lb  
+  
80,000 lb



	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
34	75.4	174.8	158,000 d							34
36	74.1	174.2	154,000 d							36
38	72.7	173.6	148,900 c							38
39	72.1	173.3	146,300 c	73.9	174.0	153,400 d				39
40	71.4	172.9	143,700 b	73.3	173.6	150,800 c				40
45	68.0	171.0	131,200 b	69.9	171.9	138,200 b				45
48	65.9	169.6	124,800 b	67.8	170.6	131,200 b	70.7	171.8	140,700 b	48
50	64.5	168.7	120,500	66.4	169.8	126,500 b	69.3	171.1	136,000 b	50
55	60.9	166.0	111,200	62.9	167.4	116,500	65.8	168.9	124,800	55
56	60.1	165.4	109,200	62.1	166.8	114,800	65.1	168.4	122,800	56
60	57.1	162.9	101,300	59.2	164.5	107,700	62.3	166.4	115,000	60
65	53.2	159.3	90,900	55.4	161.2	96,500	58.6	163.4	106,100	65
70	49.1	155.2	82,200	51.4	157.4	86,900	54.7	160.1	94,700	70
75	44.6	150.4	74,900	47.1	152.9	78,800	50.7	156.1	85,400	75
80	39.8	144.7	68,700	42.6	147.7	72,000	46.4	151.6	77,600	80
84	35.5	139.2	64,400	38.5	142.8	67,300	42.7	147.3	72,300	84
85	34.4	137.9	63,300	37.5	141.6	66,200	41.7	146.3	71,000	85
90	28.2	129.4	58,600	31.8	134.2	61,100	36.6	139.9	65,200	90
95	20.1	117.8	52,600	24.9	124.6	56,700	30.7	132.2	60,300	95
96	16.6	112.4	49,600	23.0	121.7	55,100	29.3	130.2	59,400	96
100	2.7	91.1	37,400	15.2	110.2	48,800	23.6	122.1	55,900	100
102				8.6	100.1	42,900	19.3	115.7	53,000	102
105							12.9	106.1	48,600	105
106							9.3	100.6	45,400	106
110										110
111										111
115										115
117										117
120										120
124										124
125										125
130										130

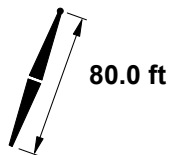


# MLC250 S-3

ASME B30.5



219,600 lb  
+  
80,000 lb



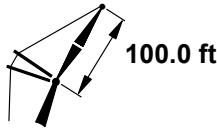
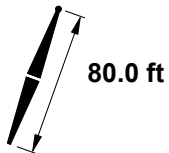
	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
34													34
36													36
38													38
39													39
40													40
45													45
48													48
50													50
55													55
56	68.0	169.6	126,300 b										56
60	65.2	167.8	115,600										60
65	61.6	165.2	104,400										65
70	57.9	162.2	95,000	62.9	164.4	92,100							70
75	54.0	158.7	87,100	59.3	161.6	84,400							75
80	50.0	154.6	80,300	55.4	158.3	77,800							80
84	46.5	150.9	75,600	52.2	155.2	73,200	57.4	157.8	70,800				84
85	45.6	150.0	74,400	51.4	154.4	72,100	56.7	157.1	69,800				85
90	40.9	144.5	69,200	47.2	150.0	67,100	52.7	153.4	64,900				90
95	35.6	138.0	64,300	42.6	144.8	62,600	48.6	149.2	60,600				95
96	34.4	136.4	63,300	41.6	143.6	61,800	47.7	148.2	59,900	53.0	150.9	57,900	96
100	29.6	129.9	59,400	37.6	138.7	58,700	44.1	144.3	56,800	49.7	147.6	55,000	100
102	26.6	125.6	57,700	35.3	135.8	57,200	42.2	142.0	55,400	48.0	145.7	53,600	102
105	22.1	119.2	55,100	31.9	131.3	55,100	39.2	138.5	53,300	45.4	142.9	51,600	105
106	19.6	115.5	53,700	30.5	129.4	54,400	38.1	137.1	52,700	44.4	141.8	51,000	106
110	9.9	100.7	47,800	25.0	121.7	51,900	33.8	131.6	50,200	40.6	137.4	48,600	110
111	3.7	91.2	43,000	23.1	118.9	51,300	32.5	129.8	49,700	39.6	136.0	48,100	111
115				15.4	107.5	48,900	27.4	122.8	47,400	35.4	130.8	45,900	115
117				8.9	97.5	47,700	24.0	117.9	46,300	32.9	127.5	44,900	117
120							19.0	110.7	44,800	29.3	122.6	43,400	120
124							6.8	91.9	42,700	23.1	113.9	41,500	124
125										21.6	111.7	41,000	125
130										8.7	92.1	38,800	130

# MLC250 S-3

ASME B30.5



219,600 lb  
+  
80,000 lb



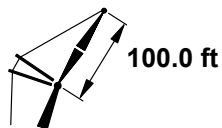
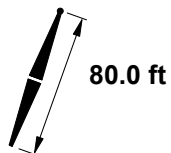
	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	ft
36	75.7	184.6	147,500 d							36
38	74.5	184.1	143,200 c							38
40	73.3	183.5	138,700 b							40
42	72.1	182.8	134,300 b	73.8	183.5	140,500 b				42
45	70.3	181.8	127,700 b	72.0	182.5	134,100 b				45
50	67.2	179.7	117,600	68.9	180.7	123,500				50
51	66.6	179.3	115,800	68.3	180.2	121,500	70.9	181.4	129,800 b	51
55	64.0	177.4	108,700	65.8	178.5	113,800	68.4	179.8	121,900	55
60	60.8	174.7	100,900	62.6	176.0	105,400	65.3	177.6	112,500	60
65	57.4	171.6	90,900	59.3	173.2	96,600	62.1	175.0	104,400	65
70	53.9	168.1	82,200	55.9	169.9	86,900	58.7	172.1	94,900	70
75	50.2	164.1	74,800	52.3	166.2	78,800	55.3	168.8	85,400	75
80	46.4	159.5	68,500	48.5	161.9	71,900	51.7	165.0	77,500	80
85	42.2	154.3	63,100	44.6	157.1	66,000	47.9	160.6	70,800	85
89	38.6	149.3	59,300	41.1	152.6	61,900	44.7	156.6	66,200	89
90	37.7	148.1	58,300	40.2	151.4	60,900	43.8	155.7	65,100	90
95	32.6	140.8	54,100	35.5	144.8	56,400	39.5	149.9	60,000	95
100	26.7	131.8	50,400	30.1	136.8	52,400	34.6	143.1	55,600	100
103	22.1	124.4	47,400	26.2	130.7	50,300	31.3	138.1	53,300	103
105	19.0	119.4	45,400	23.6	126.6	48,900	29.1	134.8	51,800	105
110	2.5	91.2	32,500	14.4	111.5	42,300	22.3	124.1	48,300	110
112				8.1	100.7	37,300	18.3	117.3	45,900	112
115							12.2	107.2	42,300	115
116							8.8	101.4	39,600	116
120										120
121										121
125										125
127										127
130										130
134										134
135										135
140										140

# MLC250 S-3

ASME B30.5



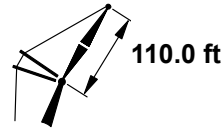
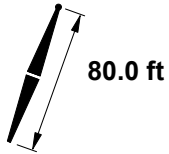
219,600 lb  
+  
80,000 lb



	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
36													36
38													38
40													40
42													42
45													45
50													50
51													51
55													55
60	67.9	178.7	115,100										60
65	64.7	176.4	103,900										65
70	61.5	173.8	94,600										70
75	58.1	170.8	86,700	62.6	173.1	83,900							75
80	54.7	167.4	79,900	59.3	170.2	77,300							80
85	51.0	163.5	74,000	55.9	167.0	71,600							85
89	48.0	160.0	69,900	53.1	164.0	67,600	57.7	166.4	65,300				89
90	47.2	159.1	68,800	52.3	163.3	66,600	57.0	165.8	64,400				90
95	43.1	154.0	64,100	48.6	159.0	62,200	53.5	162.2	60,100				95
100	38.7	148.0	59,200	44.6	154.2	58,200	49.8	158.1	56,300				100
103	35.7	143.8	56,600	42.0	150.8	56,100	47.5	155.4	54,200	52.3	158.1	52,400	103
105	33.7	141.0	54,900	40.3	148.5	54,700	45.9	153.5	52,900	50.8	156.5	51,100	105
110	28.0	132.4	51,100	35.5	142.0	51,500	41.7	148.2	49,800	47.0	152.0	48,100	110
112	25.2	127.8	49,700	33.4	138.8	50,300	39.9	145.7	48,700	45.3	149.9	47,000	112
115	20.9	121.0	47,700	30.2	134.0	48,600	37.1	141.9	47,000	42.9	146.8	45,400	115
116	18.6	117.1	46,500	28.9	131.9	48,100	36.1	140.4	46,500	42.0	145.6	44,900	116
120	9.3	101.5	41,700	23.7	123.8	45,900	32.0	134.4	44,400	38.4	140.9	42,900	120
121	3.5	91.4	37,600	21.8	120.8	45,500	30.7	132.6	44,000	37.4	139.4	42,500	121
125				14.5	108.7	43,500	25.9	125.1	42,100	33.5	133.8	40,600	125
127				8.4	98.2	42,500	22.7	119.9	41,200	31.1	130.3	39,800	127
130							18.0	112.2	39,900	27.7	125.1	38,500	130
134							6.4	92.4	38,200	21.9	115.8	37,000	134
135										20.5	113.5	36,600	135
140										8.3	92.8	34,700	140

# MLC250 S-3

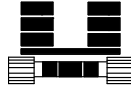
ASME B30.5



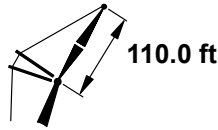
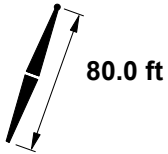
	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
38	76.0	194.5	137,900 b							38
40	74.9	193.9	133,800 b							40
45	72.1	192.4	124,200 b	73.7	193.0	129,700 b				45
50	69.4	190.6	114,700	70.9	191.4	120,400				50
54	67.1	188.9	108,000	68.7	189.8	113,100	71.0	190.9	120,600	54
55	66.6	188.5	106,300	68.1	189.4	111,300	70.5	190.5	118,900	55
60	63.7	186.1	98,800	65.3	187.2	103,400	67.7	188.6	110,200	60
64	61.3	183.9	92,500	62.9	185.2	97,700	65.4	186.7	104,000	64
65	60.7	183.4	90,900	62.4	184.7	96,300	64.8	186.3	102,400	65
70	57.6	180.3	82,100	59.4	181.8	86,900	61.9	183.7	94,900	70
75	54.5	176.8	74,800	56.3	178.6	78,700	58.8	180.8	85,400	75
79	51.8	173.7	69,700	53.7	175.7	73,200	56.3	178.1	79,100	79
80	51.2	173.0	68,500	53.0	175.0	71,900	55.7	177.5	77,500	80
85	47.7	168.6	63,000	49.7	170.9	65,900	52.5	173.8	70,800	85
90	44.1	163.6	58,300	46.1	166.2	60,800	49.1	169.6	65,000	90
94	40.9	159.1	54,900	43.1	162.0	57,200	46.2	165.8	61,000	94
95	40.1	157.9	54,100	42.3	161.0	56,300	45.5	164.9	60,000	95
100	35.8	151.4	50,400	38.3	154.9	52,400	41.7	159.5	55,600	100
105	31.0	143.6	47,100	33.8	147.9	48,800	37.5	153.3	51,700	105
109	26.5	135.9	44,700	29.6	141.1	46,300	33.9	147.5	48,900	109
110	25.4	134.0	44,100	28.6	139.4	45,700	32.9	146.0	48,300	110
115	18.1	121.0	39,800	22.4	128.6	42,800	27.7	137.3	45,100	115
120	2.4	91.3	28,800	13.7	112.6	37,300	21.2	125.9	42,300	120
122				7.7	101.3	33,000	17.4	118.8	40,300	122
125							11.6	108.1	37,300	125
126							8.4	102.0	35,000	126
130										130
131										131
135										135
137										137
140										140
144										144
145										145
150										150

# MLC250 S-3

ASME B30.5



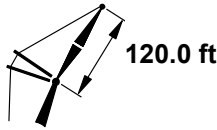
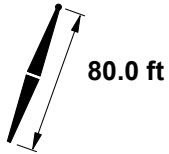
219,600 lb  
+  
80,000 lb



	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
38													38
40													40
45													45
50													50
54													54
55													55
60													60
64	67.7	187.9	105,800										64
65	67.2	187.5	103,800										65
70	64.3	185.1	94,400										70
75	61.3	182.5	86,500										75
79	58.9	180.1	81,100	63.0	182.3	78,400							79
80	58.3	179.5	79,800	62.4	181.8	77,200							80
85	55.2	176.1	73,900	59.4	178.9	71,500							85
90	51.9	172.3	68,700	56.3	175.7	66,500							90
94	49.2	168.9	65,000	53.7	172.8	62,900	57.9	175.1	60,800				94
95	48.5	168.1	64,100	53.1	172.0	62,100	57.3	174.5	60,000				95
100	44.9	163.2	59,200	49.7	167.9	58,100	54.1	171.0	56,200				100
105	41.0	157.7	54,900	46.2	163.3	54,600	50.8	167.0	52,800				105
109	37.6	152.7	51,800	43.1	159.1	52,100	48.0	163.5	50,300	52.4	166.1	48,500	109
110	36.8	151.4	51,100	42.4	158.1	51,400	47.3	162.6	49,700	51.7	165.3	48,000	110
115	32.1	143.9	47,700	38.3	152.0	48,600	43.6	157.5	46,900	48.3	161.0	45,300	115
120	26.7	134.8	44,600	33.8	145.0	45,900	39.7	151.8	44,400	44.7	156.1	42,800	120
122	23.9	130.0	43,500	31.8	141.6	45,000	37.9	149.1	43,400	43.1	153.9	41,900	122
125	19.9	122.7	41,800	28.7	136.5	43,500	35.3	145.1	42,000	40.8	150.6	40,600	125
126	17.7	118.6	40,900	27.4	134.4	43,100	34.3	143.5	41,600	39.9	149.3	40,100	126
130	8.8	102.2	36,900	22.5	125.8	41,300	30.4	137.2	39,900	36.5	144.2	38,500	130
131	3.3	91.6	33,300	20.8	122.6	40,900	29.3	135.2	39,500	35.6	142.7	38,100	131
135				13.8	109.9	39,200	24.6	127.3	37,900	31.8	136.6	36,600	135
137				8.0	98.8	38,400	21.6	121.8	37,200	29.6	132.9	35,900	137
140							17.1	113.7	36,000	26.3	127.4	34,800	140
144							6.1	92.9	34,600	20.8	117.6	33,400	144
145										19.5	115.2	33,100	145
150										7.8	93.4	31,500	150

# MLC250 S-3

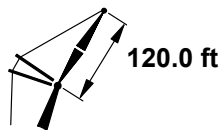
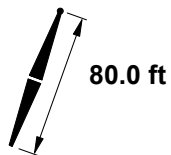
ASME B30.5



	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
41	75.7	204.0	126,800 b							41
45	73.7	202.9	120,000							45
48	72.2	201.9	115,000	73.6	202.6	120,000				48
50	71.2	201.2	111,600	72.6	201.9	116,700				50
55	68.6	199.3	103,600	70.0	200.2	108,500				55
58	67.1	198.0	99,300	68.5	199.0	104,000	70.6	200.1	110,600	58
60	66.0	197.2	96,500	67.5	198.2	100,900	69.6	199.3	107,600	60
65	63.4	194.7	90,200	64.9	195.9	94,200	67.0	197.3	100,100	65
68	61.7	193.1	85,100	63.2	194.4	89,500	65.5	195.9	96,200	68
70	60.6	192.0	81,700	62.2	193.3	86,500	64.4	195.0	93,500	70
75	57.8	189.0	74,300	59.4	190.5	78,300	61.7	192.4	85,000	75
80	55.0	185.6	68,000	56.6	187.3	71,400	58.9	189.4	77,100	80
84	52.6	182.5	63,700	54.2	184.4	66,700	56.7	186.8	71,700	84
85	52.0	181.8	62,600	53.6	183.7	65,500	56.1	186.2	70,400	85
90	48.8	177.5	57,800	50.6	179.7	60,400	53.1	182.6	64,600	90
95	45.6	172.8	53,600	47.4	175.3	55,900	50.1	178.5	59,600	95
100	42.1	167.5	49,900	44.0	170.3	51,900	46.9	174.0	55,200	100
105	38.3	161.4	46,600	40.4	164.7	48,400	43.4	168.9	51,300	105
110	34.2	154.5	43,600	36.6	158.3	45,200	39.8	163.1	47,800	110
115	29.6	146.2	40,900	32.3	150.8	42,400	35.9	156.6	44,700	115
120	24.2	136.1	38,500	27.4	141.8	39,800	31.5	148.9	41,900	120
125	17.3	122.5	34,700	21.4	130.5	37,500	26.5	139.6	39,400	125
130	2.2	91.4	25,100	13.1	113.8	32,600	20.3	127.7	37,000	130
132				7.4	101.9	28,900	16.6	120.2	35,300	132
135							11.1	109.1	32,700	135
136							8.0	102.7	30,700	136
140										140
141										141
145										145
147										147
150										150
154										154
155										155
160										160

# MLC250 S-3

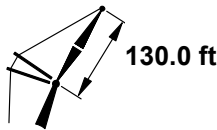
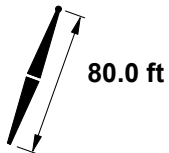
ASME B30.5



	80°			75°			70°			65°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
41													41
45													45
48													48
50													50
55													55
58													58
60													60
65													65
68	67.6	197.0	97,500										68
70	66.6	196.2	94,000										70
75	63.9	193.8	86,100										75
80	61.2	191.1	79,300										80
84	59.0	188.8	74,600	62.7	191.0	72,000							84
85	58.5	188.2	73,400	62.2	190.4	71,000							85
90	55.6	184.8	68,300	59.4	187.6	66,000							90
95	52.6	181.1	63,700	56.6	184.4	61,600							95
100	49.5	177.0	58,800	53.7	180.8	57,700	57.5	183.1	55,600				100
105	46.3	172.4	54,500	50.6	176.8	54,200	54.6	179.7	52,300				105
110	42.8	167.2	50,600	47.4	172.4	51,000	51.6	175.9	49,200				110
115	39.1	161.3	47,200	44.1	167.4	48,100	48.5	171.6	46,400	52.5	174.1	44,700	115
120	35.1	154.6	44,200	40.5	161.8	45,500	45.2	166.8	43,900	49.4	169.9	42,300	120
125	30.7	146.6	41,400	36.6	155.4	43,100	41.7	161.4	41,600	46.1	165.3	40,100	125
130	25.5	137.0	38,900	32.3	147.9	40,900	37.9	155.2	39,500	42.6	160.1	38,000	130
132	22.9	132.0	38,000	30.3	144.3	40,100	36.2	152.4	38,700	41.2	157.7	37,200	132
135	19.0	124.4	36,600	27.4	139.0	38,900	33.7	148.1	37,500	38.9	154.2	36,100	135
136	16.9	120.1	35,800	26.2	136.7	38,500	32.8	146.5	37,100	38.1	152.8	35,800	136
140	8.4	102.9	32,500	21.5	127.7	37,000	29.1	139.7	35,700	34.9	147.3	34,300	140
141	3.1	91.8	29,300	19.8	124.3	36,600	28.0	137.7	35,300	34.0	145.7	34,000	141
145				13.2	111.0	35,100	23.6	129.3	34,000	30.4	139.4	32,700	145
147				7.6	99.4	34,300	20.7	123.6	33,300	28.3	135.5	32,100	147
150							16.3	115.1	32,400	25.2	129.6	31,200	150
154							5.8	93.3	31,100	19.9	119.3	30,000	154
155										18.6	116.8	29,700	155
160										7.5	94.0	28,300	160

# MLC250 S-3

ASME B30.5

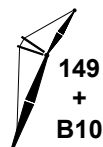


	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
43	75.9	213.8	114,700 b							43
45	75.0	213.3	114,100							45
50	72.7	211.8	108,300	74.0	212.4	112,700				50
55	70.3	210.0	101,100	71.6	210.8	105,700				55
60	68.0	208.1	94,400	69.3	209.0	98,700				60
61	67.5	207.6	93,200	68.8	208.6	97,400	70.8	209.6	103,400	61
65	65.6	205.9	88,400	66.9	206.9	92,300	68.9	208.1	98,000	65
70	63.1	203.4	81,900	64.5	204.6	86,500	66.5	206.0	91,700	70
71	62.6	202.9	80,400	64.0	204.1	84,900	66.0	205.5	90,500	71
75	60.6	200.7	74,400	62.0	202.0	78,500	64.1	203.7	85,300	75
80	58.0	197.6	68,000	59.5	199.1	71,500	61.6	201.0	77,300	80
85	55.4	194.3	62,500	56.9	196.0	65,500	59.0	198.1	70,500	85
88	53.7	192.0	59,600	55.2	193.9	62,400	57.4	196.2	67,000	88
90	52.6	190.6	57,700	54.2	192.5	60,300	56.4	194.9	64,600	90
95	49.8	186.5	53,500	51.4	188.6	55,800	53.7	191.3	59,500	95
100	46.8	181.9	49,800	48.5	184.3	51,800	50.9	187.4	55,100	100
105	43.7	176.9	46,400	45.4	179.5	48,200	48.0	183.0	51,200	105
110	40.3	171.2	43,400	42.2	174.2	45,000	44.9	178.1	47,700	110
115	36.7	164.8	40,700	38.8	168.2	42,200	41.6	172.7	44,500	115
120	32.8	157.4	38,200	35.0	161.4	39,600	38.2	166.6	41,700	120
121	31.9	155.7	37,800	34.2	159.8	39,100	37.4	165.2	41,200	121
125	28.4	148.8	36,000	30.9	153.6	37,200	34.4	159.7	39,100	125
130	23.2	138.2	33,900	26.2	144.2	35,000	30.2	151.6	36,800	130
135	16.6	123.9	30,600	20.6	132.3	33,100	25.4	141.8	34,700	135
140	2.1	91.6	22,100	12.6	114.8	28,700	19.4	129.4	32,700	140
142				7.1	102.5	25,400	15.9	121.6	31,200	142
145							10.6	110.0	28,900	145
146							7.6	103.3	27,100	146
150										150
151										151
155										155
157										157
160										160
164										164
165										165
170										170

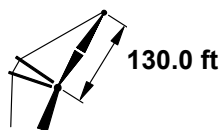
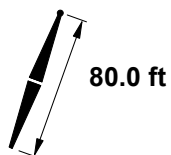


# MLC250 S-3

ASME B30.5



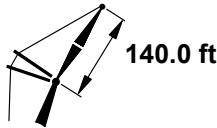
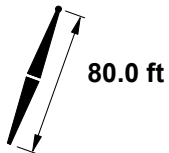
219,600 lb  
+  
80,000 lb



	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
43													43
45													45
50													50
55													55
60													60
61													61
65													65
70													70
71	68.0	206.6	91,900										71
75	66.1	204.9	85,700										75
80	63.6	202.5	79,000										80
85	61.1	199.8	73,100										85
88	59.6	198.0	70,000	63.0	200.1	67,500							88
90	58.6	196.8	68,000	62.0	199.1	65,600							90
95	55.9	193.5	63,400	59.5	196.2	61,200							95
100	53.2	189.9	58,700	56.9	193.0	57,300							100
105	50.4	185.9	54,400	54.2	189.5	53,800	57.7	191.8	51,900				105
110	47.4	181.4	50,500	51.4	185.7	50,700	55.1	188.4	48,800				110
115	44.3	176.5	47,100	48.5	181.4	47,800	52.3	184.7	46,100				115
120	41.1	171.0	44,000	45.5	176.6	45,200	49.4	180.5	43,500				120
121	40.3	169.7	43,400	44.8	175.5	44,700	48.8	179.6	43,100	52.5	182.1	41,500	121
125	37.5	164.7	41,200	42.2	171.3	42,800	46.4	175.9	41,200	50.2	178.8	39,700	125
130	33.7	157.6	38,700	38.8	165.3	40,600	43.3	170.8	39,100	47.3	174.4	37,600	130
135	29.4	149.3	36,400	35.1	158.5	38,600	39.9	165.0	37,200	44.2	169.4	35,800	135
140	24.4	139.2	34,300	31.0	150.7	36,700	36.3	158.5	35,400	40.9	163.8	34,000	140
142	21.9	133.9	33,500	29.1	146.9	36,000	34.7	155.5	34,700	39.5	161.3	33,400	142
145	18.2	126.0	32,300	26.3	141.3	34,900	32.3	151.0	33,700	37.3	157.5	32,400	145
146	16.2	121.5	31,600	25.2	138.9	34,500	31.4	149.3	33,400	36.6	156.1	32,100	146
150	8.1	103.6	28,800	20.6	129.5	32,900	27.9	142.2	32,100	33.5	150.4	30,900	150
151	3.0	92.0	26,000	19.0	126.0	32,600	26.8	140.0	31,800	32.6	148.7	30,600	151
155				12.7	112.1	31,100	22.6	131.3	30,600	29.2	142.0	29,500	155
157				7.3	100.0	30,400	19.8	125.4	30,100	27.2	137.9	28,900	157
160							15.7	116.4	29,200	24.2	131.7	28,100	160
164							5.5	93.8	28,100	19.1	121.0	27,100	164
165										17.8	118.3	26,900	165
170										7.1	94.6	25,600	170

# MLC250 S-3

ASME B30.5



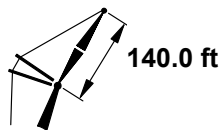
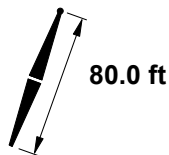
	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
46	75.7	223.4	101,800							46
50	74.0	222.2	100,800							50
53	72.7	221.3	99,300	73.9	222.0	104,700				53
55	71.8	220.7	98,200	73.0	221.3	102,300				55
60	69.6	218.8	91,900	70.8	219.7	96,100				60
64	67.9	217.2	87,400	69.1	218.1	91,200	70.9	219.2	96,600	64
65	67.4	216.8	86,300	68.7	217.8	90,000	70.5	218.8	95,400	65
70	65.2	214.6	81,100	66.4	215.6	84,500	68.3	216.9	89,600	70
75	62.9	212.1	74,000	64.2	213.3	78,000	66.1	214.7	84,200	75
80	60.6	209.3	67,600	61.9	210.7	71,100	63.8	212.3	76,800	80
85	58.2	206.3	62,100	59.5	207.8	65,100	61.5	209.7	70,000	85
90	55.7	203.0	57,300	57.1	204.7	59,900	59.1	206.8	64,200	90
93	54.2	200.8	54,700	55.6	202.6	57,100	57.6	204.9	61,100	93
95	53.2	199.3	53,000	54.6	201.2	55,300	56.7	203.6	59,100	95
100	50.6	195.3	49,300	52.0	197.4	51,300	54.2	200.1	54,600	100
105	47.8	190.9	45,900	49.4	193.2	47,700	51.6	196.2	50,700	105
110	45.0	186.1	42,900	46.6	188.6	44,600	48.9	192.0	47,200	110
115	42.0	180.7	40,200	43.7	183.6	41,700	46.1	187.3	44,000	115
120	38.8	174.7	37,700	40.6	177.9	39,100	43.2	182.1	41,200	120
125	35.3	168.0	35,500	37.3	171.6	36,700	40.0	176.4	38,700	125
127	33.8	164.9	34,700	35.9	168.8	35,800	38.7	173.8	37,700	127
130	31.6	160.2	33,400	33.7	164.5	34,500	36.7	170.0	36,300	130
135	27.3	151.2	31,600	29.8	156.2	32,600	33.1	162.6	34,200	135
140	22.4	140.1	29,800	25.3	146.4	30,700	29.1	154.2	32,200	140
145	16.0	125.3	26,800	19.8	134.0	29,100	24.4	144.0	30,400	145
150	2.0	91.7	19,200	12.1	115.8	25,200	18.7	131.0	28,700	150
152				6.8	103.1	22,300	15.3	122.9	27,400	152
155							10.2	110.8	25,400	155
156							7.3	103.9	23,800	156
160										160
161										161
165										165
167										167
170										170
174										174
175										175
180										180

# MLC250 S-3

ASME B30.5



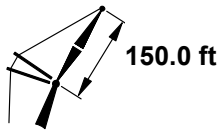
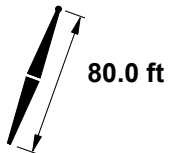
219,600 lb  
+  
80,000 lb



	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
46													46
50													50
53													53
55													55
60													60
64													64
65													65
70													70
75	67.9	215.8	85,300										75
80	65.7	213.6	78,500										80
85	63.4	211.2	72,600										85
90	61.1	208.5	67,500										90
93	59.6	206.7	64,800	62.8	208.8	62,400							93
95	58.7	205.5	63,000	61.9	207.7	60,700							95
100	56.2	202.2	58,300	59.5	204.9	56,800							100
105	53.7	198.7	53,900	57.1	201.7	53,300							105
110	51.1	194.7	50,100	54.6	198.3	50,200	57.9	200.5	48,300				110
115	48.4	190.4	46,600	52.1	194.5	47,300	55.4	197.1	45,500				115
120	45.6	185.7	43,500	49.4	190.3	44,700	52.9	193.4	43,000				120
125	42.6	180.4	40,700	46.6	185.7	42,400	50.2	189.4	40,700				125
127	41.4	178.1	39,700	45.4	183.7	41,500	49.1	187.6	39,900	52.6	190.1	38,300	127
130	39.5	174.6	38,200	43.7	180.7	40,200	47.5	184.9	38,600	51.0	187.7	37,100	130
135	36.1	168.0	35,900	40.6	175.0	38,200	44.6	180.0	36,700	48.3	183.4	35,200	135
140	32.4	160.5	33,800	37.3	168.7	36,300	41.6	174.6	34,900	45.4	178.6	33,500	140
145	28.3	151.8	31,900	33.8	161.6	34,500	38.4	168.5	33,200	42.5	173.3	31,900	145
150	23.5	141.2	30,100	29.8	153.3	32,500	34.9	161.7	31,700	39.3	167.4	30,400	150
152	21.1	135.7	29,400	28.0	149.4	31,800	33.4	158.5	31,100	37.9	164.8	29,800	152
155	17.5	127.5	28,400	25.3	143.5	30,600	31.1	153.8	30,200	35.9	160.8	29,000	155
156	15.6	122.8	27,800	24.2	141.1	30,300	30.3	152.0	29,900	35.2	159.3	28,700	156
160	7.8	104.2	25,300	19.9	131.2	28,900	26.8	144.6	28,900	32.2	153.3	27,700	160
161	2.8	92.2	22,800	18.3	127.6	28,600	25.8	142.3	28,600	31.4	151.5	27,400	161
165				12.2	113.2	27,300	21.7	133.2	27,600	28.1	144.5	26,400	165
167				7.0	100.6	26,700	19.1	127.0	27,100	26.1	140.2	26,000	167
170							15.1	117.7	26,300	23.2	133.8	25,300	170
174							5.3	94.2	25,300	18.4	122.6	24,400	174
175										17.2	119.8	24,100	175
180										6.9	95.2	23,000	180

# MLC250 S-3

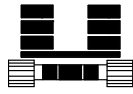
ASME B30.5



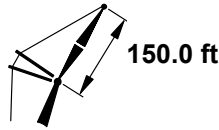
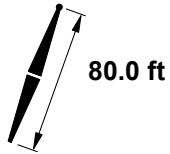
	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
48	75.8	233.2	91,100							48
50	75.0	232.6	90,500							50
55	73.1	231.2	89,500							55
56	72.6	230.8	89,200	73.8	231.5	97,600				56
60	71.0	229.5	88,400	72.2	230.2	93,300				60
65	69.0	227.6	84,100	70.1	228.5	87,800				65
67	68.2	226.8	82,200	69.3	227.7	85,700	71.0	228.7	90,500	67
70	66.9	225.6	79,200	68.1	226.5	82,600	69.8	227.6	87,400	70
75	64.8	223.3	73,800	66.0	224.3	77,800	67.7	225.6	82,400	75
79	63.1	221.3	68,700	64.3	222.4	72,300	66.1	223.9	77,800	79
80	62.7	220.8	67,400	63.9	222.0	70,900	65.7	223.4	76,700	80
85	60.5	218.0	61,900	61.7	219.3	64,900	63.5	221.0	69,900	85
90	58.3	215.0	57,100	59.5	216.5	59,700	61.4	218.4	64,000	90
95	56.0	211.7	52,800	57.3	213.3	55,200	59.2	215.4	58,900	95
98	54.6	209.5	50,600	55.9	211.3	52,700	57.8	213.5	56,200	98
100	53.6	208.1	49,100	55.0	209.9	51,100	56.9	212.3	54,500	100
105	51.2	204.2	45,700	52.6	206.2	47,600	54.6	208.8	50,500	105
110	48.7	199.9	42,700	50.1	202.1	44,400	52.2	205.0	47,000	110
115	46.1	195.2	40,000	47.6	197.7	41,500	49.7	200.9	43,900	115
120	43.4	190.1	37,600	44.9	192.8	38,900	47.1	196.4	41,000	120
125	40.5	184.4	35,300	42.1	187.4	36,500	44.4	191.4	38,500	125
130	37.4	178.1	33,300	39.1	181.5	34,400	41.6	186.0	36,100	130
133	35.4	173.9	32,100	37.2	177.5	33,200	39.8	182.3	34,900	133
135	34.1	171.0	31,400	36.0	174.9	32,400	38.6	179.9	34,000	135
140	30.5	163.0	29,600	32.5	167.4	30,600	35.4	173.2	32,000	140
145	26.4	153.5	28,000	28.7	158.8	28,900	31.9	165.5	30,200	145
150	21.6	142.0	26,500	24.4	148.5	27,300	28.0	156.7	28,600	150
155	15.4	126.6	23,700	19.1	135.7	25,900	23.6	146.1	27,000	155
160	1.9	91.8	17,000	11.6	116.8	22,400	18.1	132.6	25,600	160
162				6.5	103.6	19,700	14.8	124.2	24,400	162
165							9.8	111.7	22,600	165
166							7.1	104.5	21,200	166
170										170
171										171
175										175
177										177
180										180
184										184
185										185
190										190

# MLC250 S-3

ASME B30.5



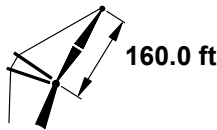
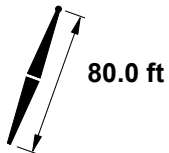
219,600 lb  
+  
80,000 lb



	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
48													48
50													50
55													55
56													56
60													60
65													65
67													67
70													70
75													75
79	67.8	225.0	79,600										79
80	67.4	224.5	78,300										80
85	65.3	222.3	72,500										85
90	63.2	219.8	67,300										90
95	61.0	217.1	62,800										95
98	59.6	215.3	60,000	62.6	217.5	58,100							98
100	58.8	214.2	58,100	61.8	216.4	56,600							100
105	56.5	210.9	53,800	59.6	213.5	53,200							105
110	54.2	207.4	49,900	57.3	210.4	50,000							110
115	51.7	203.6	46,500	55.0	207.0	47,200	58.0	209.2	45,400				115
120	49.3	199.4	43,400	52.6	203.3	44,600	55.7	205.8	42,900				120
125	46.7	194.8	40,600	50.1	199.2	42,200	53.4	202.2	40,600				125
130	44.0	189.8	38,100	47.6	194.8	40,000	50.9	198.3	38,500				130
133	42.2	186.4	36,700	46.0	191.8	38,800	49.4	195.7	37,300	52.6	198.1	35,800	133
135	41.1	184.2	35,700	44.9	189.9	38,000	48.4	193.9	36,500	51.6	196.5	35,100	135
140	38.1	178.0	33,600	42.1	184.5	36,200	45.8	189.2	34,700	49.1	192.3	33,300	140
145	34.8	171.2	31,700	39.2	178.6	34,400	43.0	184.0	33,100	46.5	187.7	31,700	145
150	31.3	163.3	29,900	36.0	172.0	32,400	40.1	178.3	31,500	43.8	182.6	30,200	150
155	27.3	154.2	28,300	32.6	164.5	30,500	37.0	171.9	30,100	40.9	177.1	28,800	155
160	22.7	143.2	26,700	28.8	155.9	28,800	33.7	164.7	28,700	37.9	170.9	27,500	160
162	20.4	137.5	26,200	27.0	151.8	28,200	32.2	161.4	28,200	36.6	168.1	27,000	162
165	16.9	129.0	25,300	24.4	145.7	27,200	30.0	156.5	27,500	34.6	163.9	26,300	165
166	15.0	124.1	24,800	23.4	143.1	26,900	29.2	154.6	27,200	33.9	162.4	26,100	166
170	7.5	104.8	22,600	19.2	132.9	25,700	25.9	146.9	26,300	31.1	156.0	25,200	170
171	2.7	92.4	20,300	17.7	129.1	25,500	24.9	144.5	26,000	30.3	154.2	24,900	171
175				11.8	114.2	24,400	21.0	135.1	25,100	27.1	146.9	24,100	175
177				6.7	101.1	23,800	18.4	128.6	24,700	25.2	142.4	23,700	177
180							14.5	119.0	24,000	22.4	135.8	23,000	180
184							5.1	94.6	23,200	17.7	124.1	22,200	184
185										16.6	121.2	22,000	185
190										6.6	95.7	21,000	190

# MLC250 S-3

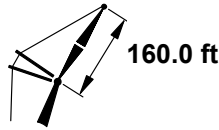
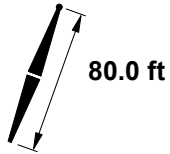
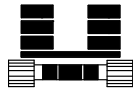
ASME B30.5



	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
50	76.0	243.0	80,600							50
55	74.1	241.6	80,000							55
59	72.6	240.4	79,500	73.7	241.0	88,500				59
60	72.3	240.1	79,400	73.3	240.7	88,500				60
65	70.4	238.3	78,400	71.4	239.1	85,100				65
70	68.5	236.4	77,100	69.5	237.3	80,300				70
71	68.1	236.0	76,300	69.1	236.9	79,400	70.7	237.9	83,600	71
75	66.5	234.3	72,900	67.6	235.3	75,900	69.2	236.4	80,100	75
80	64.5	232.0	67,600	65.6	233.1	71,100	67.3	234.4	75,700	80
83	63.3	230.4	64,200	64.4	231.6	67,500	66.1	233.0	72,300	83
85	62.5	229.4	62,000	63.7	230.6	65,000	65.3	232.1	70,100	85
90	60.5	226.7	57,100	61.6	228.0	59,700	63.3	229.7	64,100	90
95	58.4	223.6	52,800	59.6	225.1	55,100	61.3	227.0	59,000	95
100	56.3	220.4	49,000	57.5	222.0	51,000	59.2	224.1	54,400	100
102	55.4	219.0	47,600	56.6	220.6	49,600	58.4	222.8	52,800	102
105	54.1	216.8	45,600	55.3	218.6	47,400	57.1	220.9	50,400	105
110	51.8	213.0	42,500	53.1	215.0	44,200	54.9	217.5	46,900	110
115	49.5	208.8	39,800	50.8	211.0	41,300	52.7	213.8	43,700	115
120	47.1	204.3	37,300	48.4	206.6	38,600	50.4	209.7	40,800	120
121	46.5	203.3	36,800	47.9	205.7	38,200	49.9	208.9	40,300	121
125	44.5	199.4	35,000	46.0	201.9	36,200	48.0	205.4	38,200	125
130	41.9	193.9	32,900	43.4	196.8	34,100	45.5	200.6	35,900	130
135	39.1	188.0	31,000	40.7	191.2	32,000	42.9	195.4	33,700	135
139	36.7	182.7	29,600	38.4	186.2	30,600	40.8	190.8	32,100	139
140	36.2	181.4	29,300	37.8	184.9	30,200	40.2	189.6	31,700	140
145	33.0	174.0	27,600	34.8	178.0	28,500	37.3	183.3	29,900	145
150	29.5	165.6	26,100	31.5	170.2	26,900	34.2	176.2	28,200	150
155	25.5	155.8	24,700	27.8	161.2	25,500	30.9	168.3	26,700	155
160	20.9	143.9	23,400	23.6	150.6	24,100	27.1	159.1	25,200	160
165	14.9	127.9	20,800	18.5	137.3	22,800	22.8	148.1	23,800	165
170	1.8	91.9	14,700	11.3	117.8	19,600	17.5	134.1	22,600	170
172				6.3	104.1	17,200	14.3	125.4	21,500	172
175							9.5	112.5	19,900	175
176							6.8	105.1	18,600	176
180										180
181										181
185										185
187										187
190										190
194										194
195										195
200										200

# MLC250 S-3

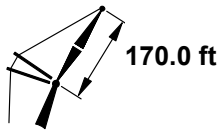
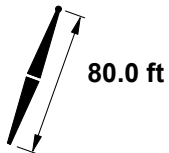
ASME B30.5



	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
50													50
55													55
59													59
60													60
65													65
70													70
71													71
75													75
80													80
83	67.7	234.1	74,300										83
85	66.9	233.3	72,000										85
90	65.0	231.0	66,900										90
95	63.0	228.5	62,400										95
100	60.9	225.8	58,200										100
102	60.1	224.6	56,400	62.9	226.7	54,700							102
105	58.8	222.8	53,700	61.7	225.1	52,700							105
110	56.7	219.6	49,800	59.6	222.2	49,500							110
115	54.5	216.1	46,300	57.5	219.1	46,700							115
120	52.3	212.4	43,200	55.3	215.7	44,100							120
121	51.8	211.5	42,600	54.9	215.0	43,600	57.7	217.2	41,900				121
125	50.0	208.3	40,400	53.1	212.0	41,700	56.0	214.5	40,100				125
130	47.6	203.8	37,800	50.8	208.1	39,600	53.8	211.0	38,000				130
135	45.1	199.0	35,500	48.4	203.7	37,600	51.5	207.1	36,000				135
139	43.0	194.7	33,800	46.5	200.0	36,100	49.7	203.7	34,600	52.6	206.1	33,100	139
140	42.5	193.7	33,300	46.0	199.0	35,700	49.2	202.9	34,300	52.2	205.3	32,800	140
145	39.7	187.8	31,400	43.4	193.9	34,000	46.8	198.3	32,600	49.9	201.2	31,200	145
150	36.8	181.4	29,600	40.7	188.3	32,000	44.2	193.3	31,100	47.5	196.7	29,700	150
155	33.7	174.2	27,900	37.9	182.0	30,200	41.6	187.8	29,600	45.0	191.9	28,300	155
160	30.2	166.0	26,400	34.8	175.1	28,500	38.8	181.8	28,300	42.3	186.5	27,000	160
165	26.4	156.6	24,900	31.5	167.3	26,900	35.8	175.1	27,000	39.6	180.7	25,800	165
170	21.9	145.2	23,600	27.8	158.4	25,400	32.6	167.7	25,800	36.6	174.2	24,700	170
172	19.7	139.3	23,100	26.1	154.1	24,800	31.2	164.2	25,400	35.4	171.3	24,300	172
175	16.4	130.4	22,300	23.6	147.8	24,000	29.0	159.1	24,700	33.5	166.9	23,600	175
176	14.5	125.4	21,800	22.6	145.1	23,800	28.2	157.1	24,500	32.8	165.3	23,400	176
180	7.2	105.4	19,900	18.5	134.5	22,700	25.0	149.1	23,700	30.0	158.7	22,600	180
181	2.6	92.6	17,800	17.1	130.6	22,500	24.1	146.7	23,500	29.3	156.8	22,400	181
185				11.4	115.1	21,500	20.3	136.9	22,700	26.2	149.2	21,600	185
187				6.5	101.7	21,000	17.8	130.2	22,300	24.4	144.6	21,300	187
190							14.1	120.2	21,700	21.7	137.7	20,700	190
194							4.9	95.0	20,800	17.1	125.6	20,000	194
195										16.0	122.6	19,800	195
200										6.4	96.2	18,900	200

# MLC250 S-3

ASME B30.5



	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
53	75.8	252.5	71,900							53
55	75.1	252.0	71,600							55
60	73.4	250.6	71,100							60
61	73.0	250.2	70,900	74.0	250.9	81,100				61
65	71.6	248.9	70,500	72.6	249.6	80,700				65
70	69.8	247.1	69,900	70.8	247.9	78,200				70
74	68.3	245.6	69,400	69.3	246.4	74,900	70.8	247.5	77,500	74
75	68.0	245.2	69,200	69.0	246.1	74,000	70.5	247.1	77,500	75
80	66.1	243.0	67,200	67.2	244.0	70,200	68.7	245.2	73,900	80
85	64.3	240.6	61,600	65.3	241.8	64,600	66.9	243.1	69,700	85
86	63.9	240.1	60,600	64.9	241.3	63,600	66.5	242.7	68,500	86
90	62.4	238.1	56,700	63.4	239.3	59,300	65.0	240.8	63,800	90
95	60.5	235.3	52,400	61.5	236.7	54,700	63.1	238.4	58,600	95
100	58.5	232.3	48,500	59.6	233.8	50,600	61.2	235.7	54,000	100
105	56.5	229.1	45,200	57.6	230.7	47,000	59.3	232.8	50,000	105
107	55.7	227.7	43,900	56.8	229.3	45,700	58.5	231.5	48,600	107
110	54.4	225.6	42,100	55.6	227.3	43,800	57.3	229.6	46,500	110
115	52.3	221.8	39,400	53.5	223.9	40,900	55.2	226.2	43,300	115
120	50.1	217.7	36,900	51.4	219.8	38,200	53.1	222.6	40,400	120
125	47.9	213.3	34,600	49.2	215.6	35,800	51.0	218.6	37,800	125
126	47.4	212.3	34,200	48.7	214.7	35,400	50.5	217.7	37,300	126
130	45.6	208.5	32,500	46.9	211.0	33,600	48.8	214.3	35,400	130
135	43.1	203.3	30,600	44.5	206.1	31,600	46.5	209.7	33,300	135
140	40.6	197.7	28,800	42.0	200.7	29,800	44.1	204.7	31,300	140
145	37.9	191.4	27,200	39.4	194.8	28,100	41.6	199.2	29,500	145
150	35.0	184.6	25,700	36.6	188.3	26,500	39.0	193.2	27,800	150
155	31.9	176.9	24,300	33.7	181.0	25,100	36.2	186.6	26,200	155
160	28.5	168.1	23,000	30.5	172.9	23,700	33.2	179.2	24,800	160
165	24.7	158.0	21,800	26.9	163.6	22,400	29.9	170.9	23,400	165
170	20.2	145.6	20,600	22.8	152.6	21,200	26.3	161.4	22,200	170
175	14.4	129.2	18,200	17.9	138.8	20,100	22.1	150.0	21,000	175
180	1.8	92.0	12,700	10.9	118.7	17,100	16.9	135.6	19,900	180
182				6.1	104.6	15,000	13.8	126.6	18,900	182
185							9.2	113.2	17,400	185
186							6.6	105.6	16,200	186
190										190
191										191
195										195
197										197
200										200
204										204
205										205
210										210

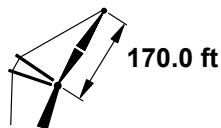
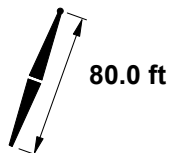


# MLC250 S-3

ASME B30.5



219,600 lb  
+  
80,000 lb



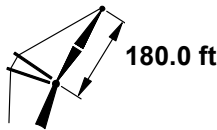
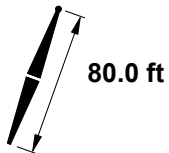
	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
53													53
55													55
60													60
61													61
65													65
70													70
74													74
75													75
80													80
85													85
86	68.0	243.7	70,600										86
90	66.5	242.0	66,500										90
95	64.7	239.7	62,000										95
100	62.8	237.2	57,800										100
105	60.9	234.4	53,300										105
107	60.1	233.3	51,800	62.7	235.3	51,000							107
110	58.9	231.5	49,400	61.6	233.7	49,100							110
115	56.9	228.3	45,900	59.6	230.9	46,300							115
120	54.9	224.9	42,800	57.6	227.8	43,700							120
125	52.8	221.1	40,000	55.6	224.4	41,400							125
126	52.3	220.3	39,400	55.2	223.7	40,900	57.9	225.9	39,200				126
130	50.6	217.1	37,400	53.5	220.8	39,200	56.3	223.2	37,600				130
135	48.4	212.8	35,100	51.4	216.9	37,200	54.2	219.7	35,700				135
140	46.1	208.1	32,900	49.2	212.7	35,400	52.1	215.9	33,900				140
145	43.7	203.0	31,000	46.9	208.1	33,700	49.9	211.8	32,200	52.7	214.1	30,800	145
150	41.1	197.4	29,200	44.5	203.2	31,700	47.6	207.3	30,700	50.5	210.1	29,300	150
155	38.5	191.3	27,500	42.0	197.8	29,800	45.3	202.5	29,300	48.3	205.7	28,000	155
160	35.7	184.6	26,000	39.4	191.9	28,100	42.8	197.2	27,900	45.9	201.0	26,700	160
165	32.6	177.1	24,500	36.7	185.4	26,500	40.3	191.5	26,700	43.5	195.9	25,500	165
170	29.3	168.6	23,200	33.7	178.2	25,000	37.6	185.2	25,500	41.0	190.3	24,300	170
175	25.6	158.8	21,900	30.5	170.1	23,600	34.7	178.3	24,400	38.3	184.2	23,300	175
180	21.3	147.0	20,800	27.0	160.8	22,300	31.6	170.5	23,300	35.5	177.4	22,200	180
182	19.1	140.9	20,300	25.3	156.4	21,900	30.2	166.9	22,900	34.3	174.4	21,900	182
185	15.9	131.8	19,700	22.9	149.8	21,100	28.1	161.6	22,300	32.5	169.9	21,300	185
186	14.1	126.6	19,200	21.9	147.0	20,900	27.4	159.5	22,200	31.8	168.2	21,100	186
190	7.0	106.0	17,500	18.0	136.0	20,000	24.3	151.3	21,400	29.1	161.3	20,400	190
191	2.5	92.8	15,600	16.6	132.0	19,800	23.3	148.7	21,200	28.4	159.3	20,200	191
195				11.0	116.1	18,900	19.7	138.6	20,300	25.4	151.4	19,500	195
197				6.3	102.2	18,500	17.2	131.7	19,900	23.6	146.7	19,200	197
200							13.6	121.4	19,200	21.0	139.5	18,700	200
204							4.8	95.4	18,300	16.6	127.1	18,000	204
205										15.5	124.0	17,900	205
210										6.2	96.8	17,100	210

# MLC250 S-3

ASME B30.5



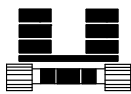
219,600 lb  
+  
80,000 lb



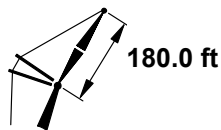
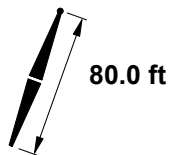
	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
55	76.0	262.4	64,400							55
60	74.3	261.0	63,800							60
64	73.0	259.8	63,300	73.9	260.4	72,400				64
65	72.6	259.5	63,200	73.6	260.1	72,300				65
70	71.0	257.8	62,600	71.9	258.5	71,700				70
75	69.3	255.9	62,000	70.2	256.8	71,100				75
77	68.6	255.1	61,800	69.5	256.0	70,000	70.9	257.0	69,000	77
80	67.5	253.9	61,500	68.5	254.8	68,300	69.9	255.9	68,800	80
85	65.8	251.7	61,000	66.8	252.7	64,200	68.2	254.0	68,300	85
90	64.0	249.3	56,200	65.0	250.5	58,900	66.5	251.8	63,300	90
95	62.3	246.8	51,900	63.3	248.0	54,200	64.7	249.5	58,100	95
100	60.4	244.0	48,100	61.4	245.3	50,100	63.0	247.0	53,600	100
105	58.6	241.0	44,700	59.6	242.4	46,500	61.1	244.3	49,500	105
110	56.7	237.8	41,600	57.7	239.4	43,300	59.3	241.4	46,000	110
111	56.3	237.1	41,100	57.4	238.7	42,700	58.9	240.8	45,300	111
115	54.7	234.3	38,900	55.8	236.0	40,400	57.4	238.3	42,800	115
120	52.8	230.6	36,400	53.9	232.5	37,700	55.5	234.9	39,900	120
125	50.7	226.6	34,100	51.9	228.6	35,300	53.5	231.3	37,300	125
130	48.6	222.3	32,000	49.8	224.5	33,100	51.5	227.4	35,000	130
131	48.2	221.3	31,600	49.4	223.6	32,700	51.1	226.6	34,500	131
135	46.5	217.6	30,100	47.7	220.0	31,100	49.4	223.2	32,800	135
140	44.2	212.6	28,300	45.5	215.2	29,300	47.3	218.7	30,800	140
145	41.8	207.2	26,700	43.2	210.0	27,600	45.1	213.9	29,000	145
150	39.4	201.3	25,200	40.8	204.4	26,000	42.8	208.6	27,300	150
151	38.9	200.0	24,900	40.3	203.2	25,700	42.3	207.4	27,000	151
155	36.8	194.8	23,800	38.2	198.2	24,500	40.4	202.9	25,700	155
160	34.0	187.6	22,500	35.6	191.5	23,200	37.8	196.6	24,300	160
165	31.0	179.7	21,200	32.7	184.0	21,900	35.1	189.7	22,900	165
170	27.7	170.6	20,100	29.6	175.6	20,700	32.2	182.1	21,700	170
175	24.0	160.1	19,000	26.1	165.9	19,600	29.0	173.5	20,500	175
180	19.6	147.4	18,000	22.2	154.6	18,500	25.5	163.7	19,400	180
185	14.0	130.4	15,700	17.4	140.3	17,600	21.4	151.9	18,300	185
190	1.7	92.1	10,700	10.6	119.6	14,800	16.4	137.0	17,400	190
192				5.9	105.1	12,800	13.4	127.8	16,400	192
195							8.9	114.0	15,100	195
196							6.4	106.1	14,000	196
200										200
201										201
205										205
207										207
210										210
214										214
215										215
220										220

# MLC250 S-3

ASME B30.5



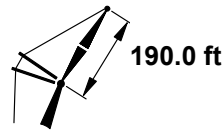
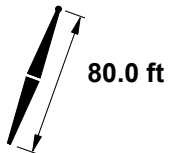
219,600 lb  
+  
80,000 lb



	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
55													55
60													60
64													64
65													65
70													70
75													75
77													77
80													80
85													85
90	67.9	252.9	66,100										90
95	66.2	250.7	61,500										95
100	64.4	248.4	57,300										100
105	62.6	245.8	52,900										105
110	60.8	243.1	48,900										110
111	60.5	242.5	48,200	62.9	244.5	48,100							111
115	59.0	240.2	45,400	61.5	242.4	45,800							115
120	57.1	237.0	42,300	59.6	239.5	43,200							120
125	55.2	233.6	39,500	57.8	236.4	40,900							125
130	53.2	229.9	36,900	55.9	233.1	38,700							130
131	52.8	229.1	36,400	55.5	232.4	38,300	58.0	234.5	36,700				131
135	51.2	226.0	34,600	53.9	229.5	36,700	56.5	231.9	35,100				135
140	49.1	221.7	32,400	51.9	225.7	34,900	54.5	228.4	33,400				140
145	46.9	217.2	30,500	49.8	221.6	33,200	52.5	224.7	31,700				145
150	44.7	212.2	28,700	47.7	217.1	31,200	50.5	220.6	30,200				150
151	44.2	211.2	28,400	47.2	216.2	30,800	50.1	219.8	29,900	52.7	222.1	28,500	151
155	42.4	206.9	27,000	45.5	212.3	29,300	48.4	216.3	28,800	51.1	218.9	27,400	155
160	39.9	201.1	25,500	43.2	207.1	27,600	46.2	211.6	27,400	49.0	214.7	26,200	160
165	37.3	194.7	24,000	40.8	201.5	26,000	43.9	206.5	26,200	46.8	210.1	25,000	165
170	34.6	187.7	22,700	38.3	195.3	24,500	41.6	201.1	25,000	44.6	205.1	23,800	170
175	31.7	180.0	21,500	35.6	188.6	23,100	39.1	195.1	23,900	42.2	199.8	22,800	175
180	28.4	171.2	20,300	32.7	181.1	21,900	36.5	188.5	22,900	39.8	193.9	21,800	180
185	24.8	161.0	19,200	29.6	172.7	20,700	33.7	181.3	21,900	37.2	187.5	20,800	185
190	20.7	148.8	18,100	26.2	163.1	19,500	30.6	173.2	21,000	34.5	180.5	19,900	190
192	18.5	142.5	17,700	24.6	158.6	19,100	29.3	169.5	20,500	33.3	177.4	19,600	192
195	15.4	133.1	17,200	22.2	151.8	18,500	27.3	164.0	19,900	31.5	172.7	19,100	195
196	13.7	127.8	16,800	21.3	148.9	18,300	26.6	161.9	19,600	30.9	170.9	18,900	196
200	6.8	106.6	15,200	17.4	137.6	17,500	23.6	153.3	18,800	28.3	163.8	18,200	200
201	2.4	92.9	13,400	16.1	133.4	17,300	22.7	150.7	18,600	27.5	161.8	18,100	201
205				10.7	117.0	16,500	19.1	140.2	17,700	24.6	153.6	17,500	205
207				6.1	102.7	16,100	16.7	133.1	17,300	22.9	148.7	17,200	207
210							13.2	122.5	16,700	20.4	141.3	16,700	210
214							4.6	95.7	16,000	16.1	128.5	16,100	214
215										15.1	125.3	16,000	215
220										6.0	97.2	15,300	220

# MLC250 S-3

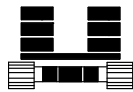
ASME B30.5



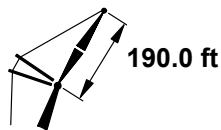
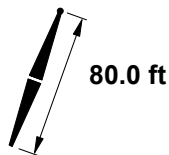
	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
58	75.8	271.9	57,700							58
60	75.2	271.4	57,500							60
65	73.6	269.9	56,900							65
67	72.9	269.3	56,600	73.8	270.0	64,800				67
70	72.0	268.4	56,300	72.9	269.0	64,400				70
75	70.4	266.6	55,700	71.3	267.4	63,900				75
80	68.8	264.7	55,200	69.7	265.6	63,300	71.0	266.6	61,700	80
85	67.2	262.7	54,600	68.1	263.6	62,700	69.4	264.7	61,300	85
90	65.5	260.4	54,100	66.4	261.5	58,600	67.8	262.7	60,900	90
94	64.2	258.5	52,100	65.1	259.6	54,900	66.5	261.0	58,500	94
95	63.8	258.0	51,600	64.8	259.2	54,000	66.2	260.6	57,800	95
100	62.1	255.4	47,800	63.1	256.7	49,900	64.5	258.2	53,300	100
105	60.4	252.6	44,400	61.4	254.0	46,300	62.8	255.7	49,300	105
110	58.7	249.6	41,300	59.6	251.1	43,000	61.1	253.0	45,700	110
115	56.9	246.4	38,600	57.9	248.0	40,100	59.3	250.1	42,500	115
116	56.5	245.8	38,100	57.5	247.4	39,600	59.0	249.5	42,000	116
120	55.0	243.0	36,100	56.1	244.7	37,500	57.6	247.0	39,700	120
125	53.2	239.3	33,800	54.2	241.2	35,100	55.7	243.6	37,100	125
130	51.2	235.4	31,700	52.3	237.4	32,900	53.9	240.1	34,700	130
135	49.3	231.2	29,800	50.4	233.4	30,900	52.0	236.2	32,500	135
137	48.5	229.4	29,100	49.6	231.6	30,100	51.2	234.6	31,700	137
140	47.2	226.7	28,100	48.4	229.0	29,000	50.0	232.1	30,500	140
145	45.1	221.8	26,400	46.3	224.3	27,300	48.0	227.7	28,700	145
150	43.0	216.6	24,900	44.2	219.3	25,700	46.0	223.0	27,000	150
155	40.7	210.9	23,500	42.0	213.9	24,300	43.8	217.9	25,500	155
157	39.7	208.4	23,000	41.0	211.5	23,700	42.9	215.7	24,900	157
160	38.3	204.7	22,200	39.6	208.0	22,900	41.6	212.4	24,000	160
165	35.8	198.0	21,000	37.2	201.6	21,600	39.2	206.4	22,700	165
170	33.1	190.6	19,800	34.6	194.6	20,400	36.8	200.0	21,400	170
175	30.1	182.3	18,800	31.8	186.8	19,300	34.1	192.8	20,200	175
180	26.9	173.0	17,700	28.8	178.1	18,300	31.3	184.9	19,100	180
185	23.3	162.2	16,800	25.4	168.2	17,300	28.2	176.0	18,100	185
190	19.1	149.0	15,900	21.6	156.5	16,400	24.8	165.8	17,100	190
195	13.6	131.6	13,800	16.9	141.8	15,500	20.9	153.7	16,200	195
200	1.6	92.2	9,100	10.3	120.5	12,900	16.0	138.4	15,300	200
202				5.8	105.6	11,100	13.1	128.9	14,500	202
205							8.7	114.7	13,200	205
206							6.2	106.7	12,200	206
210										210
211										211
215										215
217										217
220										220
224										224
230										230

# MLC250 S-3

ASME B30.5



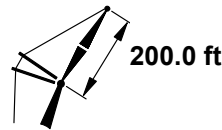
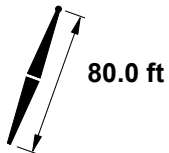
219,600 lb  
+  
80,000 lb



	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
58													58
60													60
65													65
67													67
70													70
75													75
80													80
85													85
90													90
94	67.8	262.0	62,200										94
95	67.5	261.6	61,300										95
100	65.9	259.4	57,100										100
105	64.2	257.1	52,600										105
110	62.5	254.5	48,700										110
115	60.8	251.8	45,200										115
116	60.4	251.2	44,500	62.8	253.2	45,100							116
120	59.0	248.8	42,000	61.4	251.1	43,000							120
125	57.2	245.7	39,200	59.7	248.2	40,700							125
130	55.4	242.3	36,600	57.9	245.1	38,500							130
135	53.6	238.7	34,300	56.1	241.8	36,500							135
137	52.8	237.1	33,500	55.3	240.4	35,800	57.7	242.6	34,200				137
140	51.7	234.8	32,200	54.2	238.3	34,700	56.7	240.6	33,200				140
145	49.7	230.6	30,200	52.3	234.5	32,900	54.8	237.1	31,500				145
150	47.7	226.2	28,400	50.4	230.4	30,900	52.9	233.4	30,000				150
155	45.6	221.4	26,800	48.4	226.1	29,100	51.0	229.5	28,600				155
157	44.7	219.3	26,100	47.6	224.2	28,400	50.2	227.8	28,000	52.7	230.1	26,700	157
160	43.4	216.2	25,200	46.3	221.4	27,300	49.0	225.2	27,200	51.6	227.7	25,900	160
165	41.2	210.7	23,800	44.2	216.4	25,800	47.0	220.7	26,000	49.6	223.6	24,700	165
170	38.8	204.6	22,400	42.0	211.0	24,300	44.9	215.8	24,800	47.6	219.1	23,600	170
175	36.3	198.0	21,200	39.7	205.1	22,900	42.7	210.5	23,700	45.5	214.3	22,600	175
180	33.6	190.8	20,000	37.2	198.7	21,600	40.4	204.8	22,700	43.3	209.1	21,600	180
185	30.8	182.7	18,900	34.6	191.7	20,400	38.0	198.5	21,700	41.0	203.5	20,600	185
190	27.7	173.6	17,900	31.8	184.0	19,300	35.5	191.7	20,800	38.7	197.5	19,700	190
195	24.2	163.2	16,900	28.8	175.3	18,200	32.7	184.2	19,600	36.2	190.8	18,900	195
200	20.1	150.6	16,000	25.5	165.4	17,200	29.8	175.9	18,500	33.5	183.5	18,100	200
202	18.0	144.1	15,600	23.9	160.7	16,800	28.5	172.1	18,100	32.4	180.3	17,700	202
205	15.0	134.4	15,100	21.6	153.7	16,300	26.6	166.4	17,500	30.6	175.4	17,300	205
206	13.3	128.9	14,800	20.7	150.7	16,100	25.8	164.2	17,300	30.0	173.6	17,100	206
210	6.6	107.1	13,300	17.0	139.0	15,400	22.9	155.3	16,500	27.5	166.3	16,600	210
211	2.4	93.1	11,700	15.6	134.8	15,200	22.0	152.6	16,400	26.8	164.2	16,400	211
215				10.4	117.9	14,500	18.6	141.9	15,600	24.0	155.7	15,900	215
217				5.9	103.2	14,200	16.3	134.6	15,300	22.3	150.6	15,600	217
220							12.9	123.6	14,700	19.9	143.0	15,200	220
224							4.5	96.1	14,000	14.2	124.9	14,600	224
230										5.8	97.7	13,800	230

# MLC250 S-3

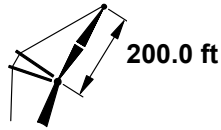
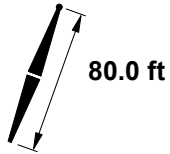
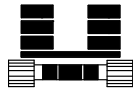
ASME B30.5



	88°			86°			83°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
60	75.9	281.7	51,400							60
65	74.4	280.4	50,800							65
70	72.9	278.9	50,200	73.8	279.5	57,500				70
75	71.4	277.2	49,700	72.3	277.9	56,900				75
80	69.9	275.4	49,100	70.7	276.2	56,300				80
84	68.7	273.9	48,700	69.5	274.7	55,800	70.8	275.8	54,500	84
85	68.4	273.5	48,600	69.2	274.4	55,700	70.5	275.4	54,400	85
90	66.8	271.4	48,100	67.7	272.4	55,200	69.0	273.5	54,000	90
95	65.2	269.1	47,600	66.1	270.2	54,400	67.4	271.5	53,600	95
98	64.3	267.7	47,300	65.2	268.8	51,800	66.5	270.2	53,300	98
100	63.6	266.7	47,100	64.5	267.8	50,200	65.9	269.3	53,200	100
105	62.0	264.1	44,500	62.9	265.3	46,400	64.3	266.9	49,600	105
110	60.4	261.3	41,400	61.3	262.6	43,100	62.7	264.4	45,900	110
115	58.7	258.3	38,600	59.7	259.8	40,100	61.0	261.7	42,600	115
120	57.0	255.1	36,000	58.0	256.7	37,400	59.4	258.7	39,700	120
125	55.3	251.7	33,700	56.3	253.4	35,000	57.7	255.6	37,000	125
130	53.5	248.1	31,600	54.5	249.9	32,700	56.0	252.3	34,600	130
135	51.7	244.2	29,600	52.7	246.2	30,700	54.2	248.8	32,400	135
140	49.8	240.1	27,800	50.9	242.2	28,800	52.4	245.0	30,400	140
142	49.1	238.3	27,200	50.1	240.5	28,100	51.7	243.4	29,600	142
145	47.9	235.7	26,200	49.0	237.9	27,100	50.6	241.0	28,500	145
150	46.0	230.9	24,600	47.1	233.4	25,500	48.7	236.7	26,800	150
155	43.9	225.9	23,200	45.1	228.5	24,000	46.7	232.1	25,200	155
160	41.8	220.4	21,900	43.0	223.3	22,600	44.7	227.1	23,700	160
163	40.5	216.9	21,100	41.7	219.9	21,800	43.5	223.9	22,900	163
165	39.6	214.5	20,600	40.8	217.6	21,300	42.6	221.8	22,400	165
170	37.3	208.1	19,500	38.6	211.5	20,100	40.5	216.1	21,100	170
175	34.8	201.2	18,400	36.2	204.9	19,000	38.2	209.9	19,900	175
180	32.2	193.5	17,300	33.7	197.6	17,900	35.8	203.2	18,800	180
185	29.4	185.0	16,400	31.0	189.6	16,900	33.2	195.8	17,700	185
190	26.2	175.3	15,500	28.0	180.6	16,000	30.5	187.6	16,700	190
195	22.7	164.2	14,600	24.8	170.4	15,100	27.5	178.5	15,800	195
200	18.6	150.6	13,800	21.0	158.3	14,200	24.2	168.0	14,900	200
205	13.3	132.7	11,700	16.5	143.2	13,400	20.3	155.5	14,100	205
210	1.6	92.3	7,400	10.0	121.4	11,000	15.6	139.7	13,300	210
212				5.6	106.0	9,300	12.7	130.0	12,500	212
215							8.5	115.4	11,300	215
216							6.1	107.2	10,400	216
220										220
221										221
225										225
227										227
230										230
234										234
240										240

# MLC250 S-3

ASME B30.5



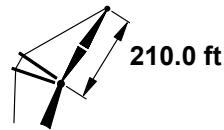
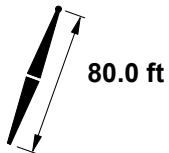
	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
60													60
65													65
70													70
75													75
80													80
84													84
85													85
90													90
95													95
98	67.8	271.2	57,100										98
100	67.1	270.4	56,800										100
105	65.6	268.1	53,000										105
110	64.0	265.7	48,900										110
115	62.4	263.2	45,300										115
120	60.7	260.4	42,100	62.9	262.4	42,500							120
125	59.1	257.5	39,200	61.3	259.7	40,200							125
130	57.4	254.3	36,600	59.7	256.8	38,000							130
135	55.7	251.0	34,200	58.0	253.8	36,100							135
140	53.9	247.4	32,000	56.3	250.5	34,200							140
142	53.2	245.9	31,200	55.6	249.1	33,500	57.9	251.2	32,000				142
145	52.1	243.6	30,000	54.5	247.0	32,500	56.8	249.3	31,000				145
150	50.3	239.5	28,200	52.7	243.3	30,800	55.1	245.9	29,500				150
155	48.4	235.2	26,500	50.9	239.3	28,900	53.3	242.2	28,100				155
160	46.4	230.5	24,900	49.0	235.0	27,100	51.5	238.3	26,800				160
163	45.2	227.5	24,100	47.9	232.3	26,100	50.4	235.8	26,000	52.7	238.1	24,700	163
165	44.4	225.5	23,500	47.1	230.5	25,500	49.6	234.1	25,500	52.0	236.5	24,200	165
170	42.3	220.1	22,100	45.1	225.6	24,000	47.7	229.7	24,300	50.2	232.5	23,100	170
175	40.1	214.3	20,900	43.0	220.4	22,600	45.7	224.9	23,300	48.3	228.1	22,100	175
180	37.8	208.1	19,700	40.9	214.7	21,300	43.7	219.8	22,200	46.3	223.4	21,100	180
185	35.3	201.2	18,600	38.6	208.6	20,100	41.6	214.3	21,200	44.3	218.4	20,100	185
190	32.8	193.7	17,500	36.2	202.0	18,900	39.3	208.3	20,300	42.2	213.0	19,200	190
195	30.0	185.4	16,500	33.7	194.8	17,900	37.0	201.9	19,300	40.0	207.2	18,400	195
200	26.9	176.0	15,600	31.0	186.7	16,900	34.5	194.9	18,200	37.6	200.9	17,600	200
205	23.5	165.2	14,700	28.1	177.8	15,900	31.9	187.1	17,200	35.2	194.0	16,800	205
210	19.6	152.3	13,900	24.8	167.5	15,000	29.0	178.5	16,200	32.6	186.5	16,100	210
212	17.6	145.6	13,600	23.3	162.7	14,700	27.8	174.6	15,800	31.5	183.1	15,800	212
215	14.6	135.6	13,100	21.1	155.5	14,100	25.9	168.7	15,300	29.8	178.1	15,400	215
216	12.9	130.0	12,700	20.1	152.5	14,000	25.2	166.4	15,100	29.2	176.2	15,300	216
220	6.4	107.6	11,400	16.5	140.5	13,300	22.3	157.3	14,400	26.8	168.7	14,700	220
221	2.3	93.3	9,900	15.2	136.1	13,200	21.5	154.5	14,200	26.1	166.5	14,600	221
225				10.1	118.7	12,500	18.1	143.4	13,500	23.3	157.8	14,100	225
227				5.8	103.7	12,200	15.9	135.9	13,200	21.7	152.6	13,900	227
230							12.5	124.7	12,700	19.3	144.7	13,500	230
234							4.3	96.4	12,100	13.9	126.1	12,900	234
240										5.7	98.2	12,100	240

# MLC250 S-3

ASME B30.5



219,600 lb  
+  
80,000 lb



	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
62	76.0	291.5	46,300							62
65	75.2	290.7	46,000							65
70	73.8	289.3	45,400							70
72	73.2	288.7	45,200	74.0	289.3	51,700				72
75	72.3	287.8	44,900	73.1	288.4	51,400				75
80	70.9	286.1	44,300	71.7	286.8	50,800				80
85	69.4	284.2	43,800	70.3	285.0	50,200				85
87	68.9	283.4	43,600	69.7	284.3	50,000	70.9	285.3	48,900	87
90	68.0	282.2	43,300	68.8	283.1	49,700	70.0	284.2	48,600	90
95	66.5	280.1	42,800	67.3	281.1	49,100	68.5	282.3	48,200	95
100	65.0	277.8	42,300	65.8	278.9	48,600	67.1	280.2	47,800	100
101	64.7	277.3	42,200	65.5	278.4	48,100	66.8	279.8	47,700	101
105	63.5	275.4	41,800	64.3	276.5	46,000	65.6	278.0	47,300	105
110	61.9	272.7	40,900	62.8	274.0	42,700	64.1	275.6	45,500	110
115	60.4	270.0	38,100	61.2	271.3	39,700	62.5	273.0	42,200	115
120	58.8	267.0	35,600	59.7	268.4	37,000	61.0	270.3	39,200	120
125	57.2	263.8	33,200	58.1	265.4	34,500	59.4	267.4	36,600	125
130	55.5	260.4	31,100	56.4	262.1	32,300	57.8	264.3	34,200	130
135	53.8	256.8	29,200	54.8	258.6	30,200	56.2	261.0	31,900	135
140	52.1	253.0	27,400	53.1	255.0	28,400	54.5	257.5	29,900	140
145	50.4	249.0	25,700	51.4	251.0	26,600	52.8	253.8	28,100	145
147	49.6	247.2	25,100	50.6	249.3	26,000	52.1	252.2	27,400	147
150	48.6	244.6	24,200	49.6	246.8	25,000	51.1	249.8	26,400	150
155	46.7	240.0	22,700	47.7	242.4	23,500	49.3	245.6	24,800	155
160	44.8	235.1	21,400	45.9	237.6	22,100	47.4	241.1	23,300	160
165	42.8	229.8	20,200	43.9	232.6	20,900	45.5	236.3	21,900	165
169	41.2	225.3	19,200	42.3	228.2	19,900	44.0	232.2	20,900	169
170	40.7	224.1	19,000	41.9	227.1	19,600	43.6	231.1	20,600	170
175	38.6	218.0	17,900	39.8	221.3	18,500	41.6	225.6	19,400	175
180	36.3	211.4	16,900	37.6	214.9	17,500	39.4	219.7	18,300	180
185	33.9	204.2	15,900	35.3	208.1	16,500	37.2	213.3	17,300	185
190	31.4	196.3	15,000	32.8	200.6	15,500	34.9	206.3	16,300	190
195	28.6	187.5	14,200	30.2	192.3	14,600	32.4	198.7	15,300	195
200	25.6	177.6	13,300	27.3	183.1	13,800	29.7	190.3	14,500	200
205	22.2	166.1	12,600	24.1	172.5	13,000	26.8	180.9	13,600	205
210	18.1	152.2	11,800	20.5	160.1	12,200	23.6	170.1	12,800	210
220	1.5	92.4	5,900	9.8	122.2	9,200	15.2	141.0	11,300	220
222				5.5	106.5	7,700	12.1	129.9	10,500	222
226							5.9	107.7	8,700	226
230										230
231										231
237										237
240										240
244										244
250										250

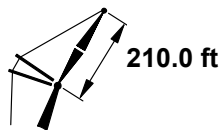
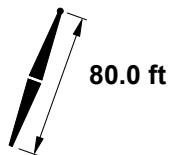


# MLC250 S-3

ASME B30.5



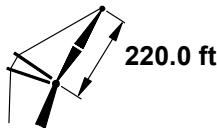
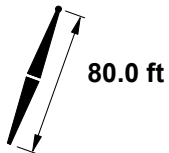
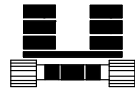
219,600 lb  
+  
80,000 lb



	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
62													62
65													65
70													70
72													72
75													75
80													80
85													85
87													87
90													90
95													95
100													100
101	68.0	280.8	51,100										101
105	66.8	279.1	50,800										105
110	65.3	276.8	48,500										110
115	63.8	274.4	44,900										115
120	62.3	271.8	41,700										120
125	60.7	269.1	38,800	62.8	271.1	39,800							125
130	59.1	266.1	36,200	61.3	268.4	37,700							130
135	57.5	263.0	33,800	59.7	265.5	35,700							135
140	55.9	259.7	31,600	58.1	262.4	33,800							140
145	54.2	256.1	29,600	56.5	259.2	32,100							145
147	53.5	254.6	28,900	55.8	257.8	31,400	58.0	259.9	30,000				147
150	52.5	252.4	27,800	54.8	255.7	30,300	57.0	258.0	29,100				150
155	50.7	248.4	26,100	53.1	252.0	28,400	55.3	254.6	27,700				155
160	49.0	244.1	24,500	51.4	248.1	26,700	53.7	251.0	26,400				160
165	47.1	239.5	23,100	49.6	243.9	25,100	51.9	247.1	25,100				165
169	45.6	235.6	22,000	48.1	240.4	23,900	50.5	243.8	24,200	52.8	246.1	22,900	169
170	45.2	234.7	21,700	47.8	239.5	23,600	50.2	243.0	24,000	52.4	245.3	22,700	170
175	43.2	229.5	20,400	45.9	234.7	22,200	48.4	238.7	22,900	50.7	241.3	21,700	175
180	41.2	223.9	19,200	43.9	229.7	20,900	46.5	234.0	21,800	48.9	237.0	20,700	180
185	39.1	217.9	18,100	41.9	224.2	19,700	44.6	229.0	20,900	47.0	232.5	19,700	185
190	36.8	211.4	17,100	39.8	218.4	18,500	42.6	223.7	20,000	45.1	227.6	18,800	190
195	34.5	204.3	16,100	37.6	212.0	17,400	40.5	218.0	18,900	43.1	222.4	18,000	195
200	31.9	196.6	15,200	35.3	205.2	16,400	38.3	211.8	17,800	41.1	216.8	17,200	200
205	29.2	188.0	14,300	32.9	197.7	15,500	36.1	205.2	16,700	38.9	210.7	16,500	205
210	26.3	178.3	13,500	30.2	189.4	14,600	33.7	197.9	15,800	36.7	204.2	15,700	210
220	19.1	154.0	11,900	24.2	169.7	12,900	28.3	181.0	14,000	31.8	189.3	14,400	220
222	16.5	144.8	11,500	22.6	164.1	12,600	27.0	176.6	13,600	30.7	185.6	14,100	222
226	11.4	126.5	10,500	19.3	153.0	12,000	24.4	167.9	13,000	28.4	178.3	13,600	226
230	6.3	108.2	9,600	16.1	141.9	11,400	21.8	159.2	12,400	26.1	171.0	13,200	230
231	2.2	93.4	8,300	14.6	136.5	11,300	20.8	155.9	12,200	25.4	168.5	13,000	231
237				5.6	104.1	10,400	15.1	135.8	11,300	21.0	153.8	12,200	237
240							12.2	125.7	10,900	18.9	146.4	11,800	240
244							4.2	96.8	10,300	13.5	127.3	11,200	244
250										5.5	98.6	10,300	250

# MLC250 S-3

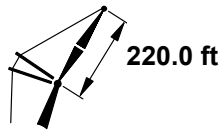
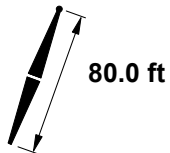
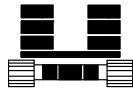
ASME B30.5



	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
65	75.9	301.1	41,700							65
70	74.5	299.7	41,100							70
75	73.2	298.3	40,600	73.9	298.9	46,500				75
80	71.8	296.6	40,100	72.6	297.3	45,900				80
85	70.4	294.9	39,600	71.2	295.7	45,400				85
90	69.0	293.0	39,000	69.8	293.9	44,800	71.0	294.9	43,800	90
95	67.6	291.0	38,600	68.4	291.9	44,300	69.6	293.0	43,400	95
100	66.2	288.8	38,100	67.0	289.8	43,700	68.2	291.1	42,900	100
105	64.8	286.5	37,600	65.6	287.6	43,200	66.8	288.9	42,500	105
110	63.3	284.0	37,100	64.1	285.2	42,200	65.3	286.7	42,100	110
115	61.8	281.4	36,700	62.7	282.7	39,200	63.9	284.3	41,700	115
120	60.4	278.6	35,100	61.2	280.0	36,500	62.4	281.7	38,700	120
125	58.8	275.6	32,700	59.7	277.1	34,000	60.9	279.0	36,100	125
129	57.6	273.1	31,000	58.5	274.6	32,200	59.7	276.7	34,100	129
130	57.3	272.5	30,600	58.2	274.0	31,800	59.4	276.1	33,600	130
135	55.7	269.1	28,600	56.6	270.8	29,700	57.9	273.0	31,400	135
140	54.1	265.6	26,900	55.0	267.4	27,800	56.3	269.7	29,400	140
145	52.5	261.8	25,200	53.4	263.7	26,100	54.8	266.2	27,600	145
150	50.8	257.8	23,700	51.8	259.8	24,500	53.1	262.6	25,800	150
153	49.8	255.3	22,800	50.8	257.4	23,600	52.1	260.2	24,900	153
155	49.1	253.6	22,200	50.1	255.7	23,000	51.5	258.6	24,300	155
160	47.4	249.0	20,900	48.4	251.4	21,600	49.8	254.5	22,800	160
165	45.6	244.2	19,700	46.6	246.7	20,300	48.1	250.1	21,400	165
170	43.7	239.1	18,500	44.7	241.8	19,100	46.3	245.4	20,100	170
175	41.8	233.6	17,400	42.9	236.5	18,000	44.4	240.4	18,900	175
180	39.8	227.8	16,400	40.9	230.9	16,900	42.5	235.1	17,800	180
185	37.7	221.4	15,400	38.8	224.8	15,900	40.5	229.3	16,800	185
190	35.5	214.6	14,500	36.7	218.3	15,000	38.5	223.2	15,800	190
195	33.1	207.2	13,600	34.4	211.2	14,100	36.3	216.6	14,800	195
200	30.6	199.0	12,800	32.0	203.5	13,300	34.0	209.4	13,900	200
205	27.9	190.0	12,000	29.5	194.9	12,500	31.6	201.6	13,100	205
210	25.0	179.8	11,300	26.7	185.4	11,700	29.0	192.9	12,300	210
215	21.7	168.0	10,600	23.6	174.6	11,000	26.2	183.2	11,600	215
220	17.7	153.8	9,900	20.0	161.9	10,300	23.0	172.1	10,800	220
225	12.6	134.9	8,100	15.7	146.0	9,600	19.3	158.9	10,200	225
230				9.5	123.0	7,500	14.8	142.3	9,500	230
232				5.3	106.9	6,000	12.1	132.1	8,800	232
235							8.0	116.8	7,800	235
236							5.8	108.1	7,000	236
240										240
241										241
247										247
250										250
254										254
260										260

# MLC250 S-3

ASME B30.5



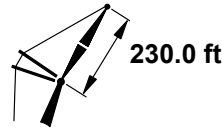
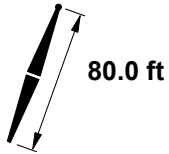
	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
65													65
70													70
75													75
80													80
85													85
90													90
95													95
100													100
105	67.9	290.0	45,600										105
110	66.5	287.8	45,300										110
115	65.1	285.5	44,400										115
120	63.6	283.1	41,200										120
125	62.2	280.5	38,300										125
129	61.0	278.3	36,200	63.0	280.3	37,600							129
130	60.7	277.7	35,700	62.7	279.7	37,200							130
135	59.2	274.8	33,300	61.2	277.0	35,200							135
140	57.6	271.7	31,100	59.7	274.2	33,400							140
145	56.1	268.4	29,100	58.2	271.1	31,700							145
150	54.5	264.9	27,300	56.6	267.9	29,800							150
153	53.5	262.6	26,200	55.7	265.8	28,700	57.7	267.9	27,700				153
155	52.9	261.2	25,600	55.0	264.4	27,900	57.1	266.6	27,200				155
160	51.2	257.2	24,000	53.4	260.8	26,200	55.6	263.3	25,900				160
165	49.5	253.0	22,500	51.8	256.9	24,600	54.0	259.7	24,600				165
170	47.7	248.5	21,200	50.1	252.8	23,100	52.3	255.9	23,500				170
175	46.0	243.8	19,900	48.4	248.5	21,700	50.6	251.9	22,400	52.8	254.1	21,200	175
180	44.1	238.7	18,700	46.6	243.8	20,400	48.9	247.6	21,400	51.1	250.1	20,200	180
185	42.2	233.3	17,600	44.8	238.9	19,100	47.2	243.0	20,400	49.4	245.9	19,200	185
190	40.2	227.6	16,600	42.9	233.6	18,000	45.4	238.2	19,500	47.7	241.5	18,400	190
195	38.1	221.4	15,600	40.9	228.0	16,900	43.5	233.0	18,400	45.9	236.7	17,500	195
200	35.9	214.6	14,700	38.9	221.9	15,900	41.5	227.5	17,300	44.0	231.6	16,700	200
205	33.6	207.4	13,800	36.7	215.4	15,000	39.5	221.6	16,200	42.1	226.2	16,000	205
210	31.2	199.4	12,900	34.5	208.3	14,100	37.4	215.2	15,300	40.1	220.4	15,300	210
215	28.5	190.5	12,200	32.1	200.6	13,200	35.2	208.3	14,300	38.0	214.2	14,600	215
220	25.6	180.6	11,400	29.5	192.1	12,400	32.9	200.8	13,500	35.8	207.4	13,900	220
225	22.4	169.2	10,700	26.7	182.6	11,600	30.3	192.6	12,600	33.5	200.1	13,300	225
230	18.6	155.6	10,000	23.6	171.8	10,900	27.6	183.4	11,900	31.1	192.1	12,700	230
232	16.7	148.6	9,800	22.2	166.7	10,600	26.4	179.3	11,600	30.0	188.5	12,400	232
235	13.9	138.1	9,400	20.0	159.1	10,200	24.6	173.1	11,100	28.4	183.2	12,100	235
236	12.3	132.2	9,100	19.2	155.9	10,100	24.0	170.7	11,000	27.8	181.2	11,900	236
240	6.1	108.7	7,900	15.7	143.2	9,500	21.2	161.1	10,400	25.5	173.2	11,300	240
241				14.3	137.7	9,400	20.3	157.6	10,300	24.8	170.7	11,200	241
247	2.2	93.6	6,600	5.5	104.6	8,600	14.7	137.1	9,500	20.5	155.6	10,300	247
250							11.9	126.8	9,100	18.4	148.0	9,900	250
254							4.1	97.1	8,500	13.2	128.4	9,300	254
260										5.4	99.1	8,500	260

# MLC250 S-3

ASME B30.5



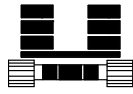
219,600 lb  
+  
80,000 lb



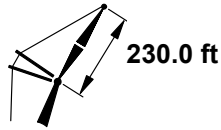
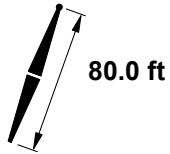
	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
67	76.0	310.9	38,600							67
70	75.2	310.1	38,300							70
75	73.9	308.7	37,800							75
78	73.1	307.8	37,600	73.9	308.4	43,200				78
80	72.6	307.2	37,400	73.3	307.8	43,000				80
85	71.3	305.5	36,900	72.0	306.2	42,500				85
90	70.0	303.7	36,500	70.7	304.5	42,100				90
93	69.2	302.6	36,200	69.9	303.4	41,800	71.0	304.4	41,100	93
95	68.6	301.8	36,000	69.4	302.7	41,600	70.5	303.7	41,000	95
100	67.3	299.7	35,600	68.1	300.7	41,100	69.2	301.8	40,600	100
105	65.9	297.5	35,200	66.7	298.6	40,700	67.8	299.8	40,200	105
109	64.8	295.7	34,900	65.6	296.8	40,300	66.7	298.1	39,900	109
110	64.6	295.2	34,800	65.3	296.3	40,200	66.5	297.7	39,900	110
115	63.2	292.7	34,400	64.0	293.9	38,700	65.1	295.4	39,500	115
120	61.8	290.1	34,000	62.6	291.3	36,000	63.7	293.0	38,300	120
125	60.3	287.3	32,300	61.1	288.6	33,600	62.3	290.4	35,600	125
130	58.9	284.3	30,200	59.7	285.8	31,400	60.9	287.6	33,200	130
134	57.7	281.8	28,600	58.5	283.3	29,700	59.7	285.3	31,500	134
135	57.4	281.2	28,200	58.2	282.7	29,300	59.5	284.7	31,000	135
140	55.9	277.8	26,400	56.8	279.5	27,400	58.0	281.7	29,000	140
145	54.4	274.3	24,800	55.3	276.1	25,700	56.5	278.4	27,100	145
150	52.8	270.6	23,200	53.7	272.5	24,100	55.0	275.0	25,400	150
155	51.3	266.6	21,800	52.1	268.6	22,600	53.5	271.3	23,800	155
158	50.3	264.1	21,000	51.2	266.2	21,800	52.5	269.0	23,000	158
160	49.6	262.5	20,500	50.5	264.6	21,200	51.9	267.4	22,400	160
165	48.0	258.0	19,300	48.9	260.3	19,900	50.3	263.4	21,000	165
170	46.3	253.3	18,100	47.2	255.8	18,700	48.6	259.0	19,700	170
175	44.5	248.3	17,000	45.5	250.9	17,600	46.9	254.4	18,500	175
180	42.7	243.0	16,000	43.7	245.8	16,500	45.2	249.6	17,400	180
181	42.3	241.9	15,800	43.3	244.7	16,300	44.8	248.5	17,200	181
185	40.8	237.4	15,000	41.9	240.3	15,500	43.4	244.4	16,400	185
190	38.8	231.3	14,100	39.9	234.5	14,600	41.5	238.9	15,400	190
200	34.6	217.7	12,400	35.9	221.5	12,900	37.6	226.6	13,600	200
210	29.9	201.7	10,900	31.3	206.3	11,300	33.3	212.4	11,900	210
220	24.4	182.0	9,600	26.1	187.7	9,900	28.4	195.4	10,500	220
230	17.3	155.3	8,300	19.6	163.6	8,600	22.5	174.1	9,100	230
235	12.3	136.0	6,500	15.3	147.3	8,100	18.9	160.6	8,500	235
240				9.3	123.8	5,900	14.5	143.6	7,900	240
246							5.6	108.6	5,500	246
250										250
251										251
257										257
260										260
264										264
270										270

# MLC250 S-3

ASME B30.5



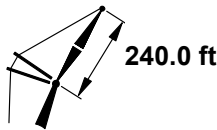
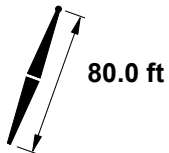
219,600 lb  
+  
80,000 lb



	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
67													67
70													70
75													75
78													78
80													80
85													85
90													90
93													93
95													95
100													100
105													105
109	67.9	299.1	43,100										109
110	67.6	298.7	43,000										110
115	66.2	296.5	42,700										115
120	64.9	294.2	40,800										120
125	63.5	291.8	37,900										125
130	62.1	289.2	35,200										130
134	60.9	287.0	33,300	62.8	288.9	35,300							134
135	60.6	286.4	32,900	62.6	288.4	34,900							135
140	59.2	283.5	30,700	61.2	285.7	33,000							140
145	57.7	280.4	28,700	59.7	282.8	31,400							145
150	56.2	277.1	26,900	58.3	279.8	29,400							150
155	54.7	273.6	25,200	56.8	276.6	27,500							155
158	53.8	271.4	24,200	55.9	274.5	26,500	57.8	276.6	26,100				158
160	53.2	269.9	23,600	55.3	273.1	25,800	57.3	275.3	25,600				160
165	51.6	266.0	22,100	53.7	269.5	24,200	55.8	272.0	24,300				165
170	50.0	261.9	20,800	52.2	265.7	22,700	54.2	268.4	23,200				170
175	48.3	257.5	19,500	50.6	261.7	21,300	52.7	264.7	22,100				175
180	46.6	252.9	18,300	48.9	257.4	20,000	51.1	260.7	21,100				180
181	46.3	251.9	18,100	48.6	256.5	19,700	50.7	259.9	20,900	52.8	262.1	19,700	181
185	44.9	248.0	17,200	47.2	252.9	18,800	49.4	256.5	20,100	51.5	259.0	18,900	185
190	43.1	242.7	16,200	45.5	248.0	17,600	47.8	252.0	19,100	49.9	254.8	18,000	190
200	39.3	231.1	14,300	41.9	237.4	15,500	44.3	242.3	16,900	46.5	245.8	16,400	200
210	35.1	217.8	12,600	38.0	225.4	13,700	40.6	231.2	14,900	43.0	235.6	15,000	210
220	30.5	202.1	11,000	33.7	211.3	12,000	36.6	218.5	13,100	39.2	224.0	13,600	220
230	25.1	182.8	9,700	28.8	194.6	10,600	32.1	203.7	11,500	35.0	210.6	12,400	230
235	21.9	171.1	9,000	26.1	184.9	9,900	29.7	195.3	10,800	32.7	203.1	11,700	235
240	18.2	157.2	8,400	23.1	173.8	9,200	27.0	185.8	10,100	30.3	194.8	10,900	240
246	10.9	128.4	7,200	18.4	156.3	8,500	23.3	172.1	9,300	27.1	183.2	10,100	246
250	6.0	109.2	6,400	15.4	144.6	8,000	20.8	162.9	8,700	24.9	175.4	9,500	250
251	2.1	93.7	5,200	13.9	138.9	7,800	19.8	159.4	8,600	24.2	172.8	9,400	251
257				5.3	105.0	7,100	14.4	138.3	7,900	20.1	157.3	8,600	257
260							11.7	127.8	7,500	18.0	149.6	8,300	260
264							4.0	97.4	7,000	12.9	129.5	7,800	264
270										5.3	99.5	7,000	270

# MLC250 S-3

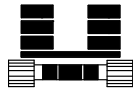
ASME B30.5



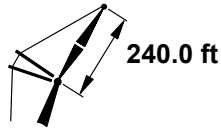
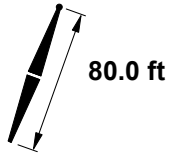
ft	88°			86°			83°			ft
	ft	lb	ft	ft	lb	ft	ft	lb		
70	75.8	320.5	34,800							70
75	74.6	319.1	34,300							75
80	73.4	317.6	33,900							80
81	73.1	317.3	33,800	73.8	318.0	38,900				81
85	72.1	316.1	33,500	72.8	316.7	38,500				85
90	70.9	314.4	33,000	71.6	315.1	38,000				90
95	69.6	312.5	32,600	70.3	313.3	37,600				95
97	69.1	311.7	32,500	69.8	312.6	37,400	70.8	313.6	36,800	97
100	68.3	310.6	32,200	69.0	311.4	37,100	70.1	312.5	36,600	100
105	67.0	308.5	31,800	67.7	309.4	36,700	68.8	310.6	36,300	105
110	65.7	306.3	31,400	66.4	307.3	36,300	67.5	308.6	35,900	110
113	64.9	304.8	31,200	65.6	305.9	36,000	66.7	307.3	35,700	113
115	64.4	303.9	31,000	65.1	305.0	35,900	66.2	306.4	35,500	115
120	63.0	301.4	30,700	63.8	302.6	35,500	64.9	304.1	35,200	120
125	61.7	298.7	30,300	62.4	300.0	33,100	63.6	301.6	34,800	125
130	60.3	295.9	29,700	61.1	297.3	30,900	62.2	299.0	32,700	130
135	58.9	293.0	27,700	59.7	294.4	28,800	60.9	296.3	30,500	135
138	58.1	291.1	26,700	58.9	292.6	27,700	60.0	294.6	29,300	138
140	57.5	289.8	25,900	58.3	291.4	26,900	59.5	293.4	28,500	140
145	56.1	286.5	24,300	56.9	288.2	25,200	58.1	290.3	26,600	145
150	54.6	283.0	22,700	55.5	284.8	23,600	56.7	287.1	24,900	150
155	53.2	279.3	21,300	54.0	281.2	22,100	55.2	283.7	23,300	155
160	51.6	275.4	20,000	52.5	277.4	20,700	53.7	280.1	21,900	160
163	50.7	273.0	19,200	51.6	275.0	19,900	52.8	277.8	21,100	163
165	50.1	271.3	18,700	51.0	273.4	19,400	52.2	276.2	20,500	165
170	48.5	267.0	17,600	49.4	269.2	18,200	50.7	272.2	19,200	170
175	46.9	262.4	16,500	47.8	264.8	17,100	49.1	268.0	18,000	175
180	45.2	257.5	15,500	46.2	260.0	16,000	47.5	263.5	16,900	180
185	43.5	252.3	14,500	44.5	255.0	15,000	45.9	258.7	15,900	185
187	42.8	250.1	14,100	43.8	252.9	14,700	45.2	256.7	15,500	187
190	41.7	246.9	13,600	42.7	249.7	14,100	44.2	253.6	14,900	190
195	39.9	241.0	12,700	40.9	244.1	13,200	42.4	248.3	13,900	195
200	38.0	234.7	11,900	39.1	238.1	12,400	40.6	242.6	13,000	200
210	33.9	220.8	10,400	35.1	224.7	10,800	36.8	230.0	11,400	210
220	29.3	204.3	9,000	30.6	209.0	9,400	32.5	215.3	10,000	220
230	23.9	184.1	7,800	25.5	190.0	8,100	27.7	197.9	8,600	230
240	16.9	156.8	6,700	19.1	165.3	7,000	22.0	176.0	7,400	240
245				15.0	148.6	6,400	18.5	162.2	6,900	245
250							14.2	144.8	6,300	250
255										255
260										260
267										267
270										270
274										274
280										280

# MLC250 S-3

ASME B30.5



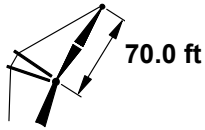
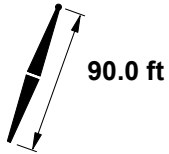
219,600 lb  
+  
80,000 lb



	80°			75°			70°			65°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
70													70
75													75
80													80
81													81
85													85
90													90
95													95
97													97
100													100
105													105
110													110
113	67.8	308.3	38,500										113
115	67.3	307.5	38,400										115
120	66.0	305.3	38,100										120
125	64.7	302.9	37,400										125
130	63.3	300.5	34,800										130
135	62.0	297.8	32,400										135
138	61.2	296.2	31,100	63.0	298.1	33,300							138
140	60.6	295.1	30,200	62.5	297.1	32,600							140
145	59.2	292.1	28,200	61.1	294.4	30,900							145
150	57.8	289.0	26,400	59.7	291.5	28,900							150
155	56.4	285.8	24,700	58.3	288.5	27,000							155
160	55.0	282.3	23,100	56.9	285.2	25,300							160
163	54.1	280.1	22,200	56.0	283.2	24,300	57.9	285.3	24,300				163
165	53.5	278.7	21,600	55.5	281.9	23,700	57.4	284.0	23,800				165
170	52.0	274.8	20,300	54.0	278.3	22,200	55.9	280.7	22,700				170
175	50.4	270.8	19,000	52.5	274.5	20,800	54.5	277.2	21,600				175
180	48.9	266.5	17,800	51.0	270.5	19,500	53.0	273.4	20,600				180
185	47.2	261.9	16,700	49.4	266.3	18,300	51.5	269.5	19,600				185
187	46.6	260.0	16,300	48.8	264.5	17,800	50.9	267.9	19,200	52.8	270.1	18,100	187
190	45.6	257.1	15,700	47.8	261.8	17,100	49.9	265.4	18,700	51.9	267.8	17,600	190
195	43.9	252.0	14,700	46.2	257.1	16,000	48.3	261.0	17,500	50.4	263.7	16,700	195
200	42.1	246.6	13,800	44.5	252.1	15,000	46.7	256.4	16,400	48.8	259.4	15,900	200
210	38.4	234.6	12,100	41.0	241.2	13,200	43.3	246.3	14,400	45.5	250.0	14,500	210
220	34.3	220.9	10,500	37.1	228.7	11,500	39.7	234.9	12,600	42.0	239.4	13,200	220
230	29.8	204.8	9,100	32.9	214.3	10,100	35.8	221.8	11,000	38.3	227.5	12,000	230
240	24.5	185.0	7,900	28.2	197.2	8,700	31.4	206.5	9,600	34.2	213.7	10,500	240
245	21.4	173.0	7,300	25.5	187.2	8,100	29.0	197.8	8,900	32.0	205.9	9,700	245
250	17.8	158.8	6,700	22.6	175.8	7,500	26.4	188.2	8,200	29.7	197.5	9,100	250
255	13.3	140.4	6,200	19.2	162.5	6,900	23.6	177.3	7,600	27.2	188.1	8,400	255
260				15.0	145.9	6,300	20.3	164.7	7,000	24.4	177.6	7,800	260
267				5.2	105.4	5,600	14.1	139.5	6,300	19.6	159.0	7,000	267
270							11.4	128.7	5,900	17.6	151.1	6,600	270
274							3.9	97.8	5,500	12.6	130.6	6,100	274
280										5.1	99.9	5,500	280

# MLC250 S-3

ASME B30.5

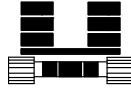


	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
30	74.8	165.3	158,000 d							30
32	73.1	164.6	158,000 d							32
34	71.4	164.0	158,000 d							34
35	70.5	163.6	158,000 d	73.2	164.4	158,000 d				35
36	69.6	163.2	158,000 d	72.3	164.1	158,000 d				36
38	67.8	162.4	158,000 c	70.6	163.4	158,000 d				38
40	66.0	161.5	154,600 b	68.8	162.6	158,000 d				40
43	63.3	159.9	146,400 b	66.1	161.3	152,600 d	70.3	162.7	158,000 d	43
45	61.4	158.9	140,900 b	64.3	160.3	149,100 b	68.6	161.9	158,000 d	45
50	56.6	155.8	129,300	59.7	157.6	136,300 b	64.0	159.6	144,400 b	50
51	55.6	155.0	127,400	58.7	156.9	134,100 b	63.1	159.0	141,700 b	51
55	51.5	152.0	119,500	54.7	154.2	125,400	59.4	156.8	131,200 b	55
60	45.9	147.5	109,600	49.5	150.2	116,100	54.4	153.4	117,900	60
64	41.0	143.0	100,700	44.9	146.2	107,300	50.2	150.1	108,800	64
65	39.8	141.9	98,500	43.7	145.3	105,100	49.1	149.3	106,500	65
70	32.7	134.8	89,400	37.3	139.2	94,800	43.3	144.3	97,000	70
75	23.7	125.0	80,000	29.6	131.3	86,300	36.8	138.2	88,900	75
77	17.1	117.2	70,700	25.5	126.7	81,800	33.7	135.0	86,100	77
80	7.2	105.5	56,800	19.3	119.8	75,000	29.1	130.1	81,900	80
83				8.1	106.4	59,700	22.7	123.0	78,300	83
85							18.5	118.2	75,800	85
88							5.5	102.7	59,600	88
89										89
90										90
92										92
95										95
100										100
105										105
107										107
110										110
115										115

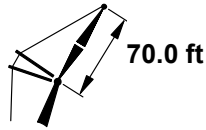
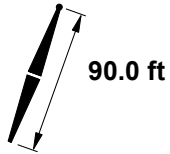


# MLC250 S-3

ASME B30.5



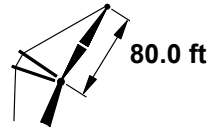
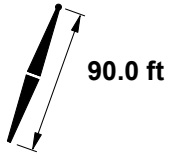
219,600 lb  
+  
80,000 lb



	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
30													30
32													32
34													34
35													35
36													36
38													38
40													40
43													43
45													45
50													50
51	67.3	160.5	141,500 c										51
55	63.7	158.6	129,200 b										55
60	59.0	155.8	115,600 b										60
64	55.0	153.0	106,600 b	62.4	156.0	102,900 b							64
65	54.0	152.3	104,400	61.5	155.4	100,900 b							65
70	48.7	148.2	95,100	56.7	152.3	91,900							70
75	42.9	143.1	87,200	51.6	148.6	84,200							75
77	40.3	140.6	84,400	49.3	146.7	81,600	57.1	150.1	78,700				77
80	36.3	136.9	80,300	46.0	144.0	77,700	54.1	147.9	75,000				80
83	31.6	131.9	76,800	42.4	140.7	74,200	50.9	145.4	71,700				83
85	28.5	128.7	74,400	39.9	138.4	71,900	48.8	143.8	69,500				85
88	21.9	121.2	71,200	35.6	134.2	68,900	45.3	140.8	66,600				88
89	19.7	118.7	70,200	34.2	132.8	67,900	44.1	139.8	65,600	52.2	143.3	63,300	89
90	17.5	116.2	69,100	32.8	131.4	66,900	43.0	138.8	64,600	51.1	142.5	62,400	90
92	10.0	107.3	67,100	29.2	127.5	65,100	40.3	136.2	62,900	48.9	140.7	60,700	92
95				23.9	121.7	62,400	36.4	132.5	60,300	45.6	137.9	58,200	95
100				7.8	102.7	58,300	28.6	124.3	56,500	39.4	132.2	54,500	100
105							17.6	112.0	53,000	32.2	125.0	51,200	105
107							10.3	103.2	51,600	28.5	121.0	50,000	107
110										23.0	115.0	48,200	110
115										3.9	92.3	45,200	115

# MLC250 S-3

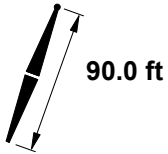
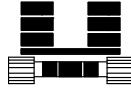
ASME B30.5



	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
31	76.0	175.4	158,000 d							31
32	75.3	175.1	158,000 d							32
34	73.8	174.5	158,000 d							34
36	72.3	173.9	158,000 d							36
37	71.5	173.5	156,900 d	73.9	174.3	158,000 d				37
38	70.7	173.1	155,900 c	73.1	174.0	158,000 d				38
40	69.2	172.4	150,100 b	71.6	173.3	158,000 d				40
45	65.3	170.2	137,200 b	67.8	171.4	145,300 b				45
46	64.5	169.7	135,000 b	67.0	170.9	142,800 b	70.6	172.3	154,900 c	46
50	61.3	167.6	126,200	63.8	169.0	133,100 b	67.5	170.7	144,100 b	50
54	57.9	165.1	118,500	60.5	166.8	124,700 b	64.3	168.8	133,800 b	54
55	57.0	164.5	116,600	59.7	166.2	122,600	63.5	168.3	131,200 b	55
60	52.6	160.8	108,400	55.4	162.9	113,600	59.4	165.5	117,600	60
65	47.9	156.5	98,000	50.9	159.1	104,700	55.1	162.1	106,200	65
68	44.8	153.5	92,500	48.0	156.3	98,500	52.4	159.8	100,500	68
70	42.8	151.4	88,800	46.0	154.5	94,300	50.6	158.2	96,700	70
75	37.1	145.2	81,100	40.7	149.0	85,700	45.7	153.6	88,600	75
80	30.5	137.5	74,500	34.7	142.3	78,400	40.4	148.1	81,700	80
82	27.1	133.3	71,700	31.9	138.9	76,000	37.9	145.3	79,300	82
85	22.1	126.9	67,400	27.6	133.8	72,200	34.3	141.3	75,700	85
90	6.7	106.0	48,900	18.0	121.3	63,700	27.1	132.5	70,400	90
93				7.5	107.0	51,400	21.2	124.8	67,200	93
95							17.2	119.7	65,100	95
98							5.1	103.1	51,400	98
100										100
102										102
105										105
110										110
115										115
117										117
120										120
125										125

# MLC250 S-3

ASME B30.5



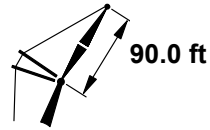
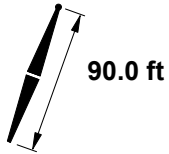
	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
31													31
32													32
34													34
36													36
37													37
38													38
40													40
45													45
46													46
50													50
54	68.0	170.1	131,900 b										54
55	67.2	169.7	128,800 b										55
60	63.3	167.3	115,200 b										60
65	59.1	164.4	104,000										65
68	56.5	162.4	98,400	63.0	165.2	94,800 b							68
70	54.8	161.1	94,700	61.3	164.1	91,400							70
75	50.2	157.1	86,800	57.1	161.0	83,800							75
80	45.3	152.4	80,000	52.7	157.4	77,200							80
82	43.2	150.2	77,700	50.8	155.7	74,900	57.5	158.7	72,200				82
85	40.0	146.8	74,100	48.0	153.1	71,500	54.9	156.7	69,000				85
90	33.9	139.9	69,000	42.9	148.0	66,500	50.3	152.7	64,200				90
93	29.5	134.6	66,200	39.4	144.3	63,900	47.4	149.9	61,600				93
95	26.5	131.0	64,400	37.2	141.8	62,100	45.4	148.0	59,900	52.3	151.3	57,700	95
98	20.4	123.0	61,900	33.2	137.2	59,800	42.2	144.7	57,600	49.5	148.7	55,500	98
100	16.3	117.6	60,200	30.6	134.1	58,200	40.0	142.4	56,100	47.6	147.0	54,000	100
102	9.3	108.1	58,300	27.2	129.9	56,700	37.6	139.7	54,700	45.5	144.9	52,700	102
105				22.3	123.6	54,600	33.9	135.6	52,700	42.4	141.8	50,800	105
110				7.2	103.3	51,300	26.6	126.7	49,600	36.7	135.6	47,800	110
115							16.4	113.4	46,700	30.0	127.7	45,100	115
117							9.6	104.0	45,600	26.6	123.4	44,100	117
120										21.5	116.9	42,600	120
125										3.6	92.5	40,100	125

# MLC250 S-3

ASME B30.5



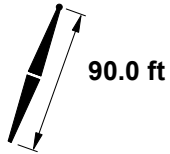
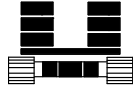
219,600 lb  
+  
80,000 lb



	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
34	75.6	184.9	158,000 d							34
36	74.3	184.3	157,000 d							36
38	73.0	183.7	151,400 c							38
40	71.6	183.1	146,000 b	73.7	183.8	154,700 d				40
45	68.2	181.1	133,900 b	70.4	182.1	141,600 b				45
49	65.4	179.3	125,500 b	67.6	180.5	132,500 b	70.8	181.8	143,100 b	49
50	64.7	178.9	123,400	66.9	180.1	130,200 b	70.1	181.4	140,700 b	50
55	61.1	176.2	114,200	63.4	177.7	120,200	66.7	179.4	129,500 b	55
58	58.9	174.4	109,500	61.2	176.0	115,000	64.6	177.9	122,200 b	58
60	57.4	173.2	106,300	59.7	174.9	111,500	63.2	177.0	117,300	60
65	53.5	169.6	97,700	55.9	171.6	103,900	59.5	174.1	105,900	65
70	49.4	165.5	88,500	52.0	167.9	94,000	55.7	170.9	96,400	70
73	46.7	162.6	83,800	49.4	165.3	88,800	53.3	168.6	91,600	73
75	45.0	160.7	80,700	47.7	163.6	85,400	51.7	167.1	88,400	75
80	40.2	155.1	74,100	43.2	158.5	78,100	47.5	162.7	81,500	80
85	34.8	148.4	68,400	38.3	152.5	71,800	42.9	157.6	75,500	85
87	32.4	145.1	66,400	36.0	149.6	69,600	40.9	155.2	73,400	87
90	28.6	140.1	63,400	32.7	145.3	66,400	37.9	151.5	70,300	90
95	20.8	128.8	57,800	26.0	136.1	61,700	32.3	144.2	65,600	95
100	6.2	106.5	42,600	16.9	122.8	54,900	25.5	134.8	61,300	100
101				13.6	117.7	51,500	23.6	132.1	60,300	101
103				7.1	107.6	44,700	19.9	126.6	58,200	103
105							16.2	121.1	56,200	105
108							4.7	103.4	44,900	108
110										110
112										112
115										115
120										120
125										125
127										127
130										130
135										135

# MLC250 S-3

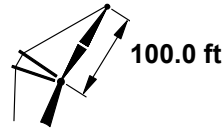
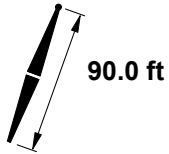
ASME B30.5



	80°			75°			70°			65°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
34													34
36													36
38													38
40													40
45													45
49													49
50													50
55													55
58	67.8	179.3	120,000 b										58
60	66.4	178.4	114,900 b										60
65	62.9	176.0	103,700										65
70	59.2	173.1	94,400										70
73	56.9	171.1	89,700	62.6	173.9	86,300							73
75	55.4	169.8	86,500	61.2	172.8	83,400							75
80	51.4	166.0	79,800	57.4	169.7	76,900							80
85	47.2	161.5	73,900	53.5	166.1	71,200							85
87	45.3	159.5	71,900	51.9	164.5	69,300	57.8	167.4	66,600				87
90	42.6	156.4	68,800	49.4	162.0	66,300	55.5	165.4	63,800				90
95	37.5	150.2	64,200	45.0	157.3	61,900	51.5	161.6	59,600				95
100	31.8	142.8	60,200	40.2	151.7	58,000	47.2	157.1	55,800				100
101	30.4	140.9	59,400	39.2	150.4	57,300	46.3	156.1	55,100	52.4	159.3	53,000	101
103	27.7	137.0	58,000	37.0	147.7	55,900	44.4	154.0	53,800	50.7	157.6	51,700	103
105	24.9	133.2	56,500	34.9	145.0	54,500	42.6	152.0	52,400	49.1	156.0	50,400	105
108	19.1	124.6	54,500	31.2	140.0	52,600	39.6	148.3	50,600	46.4	153.1	48,700	108
110	15.3	118.9	53,100	28.7	136.7	51,300	37.6	145.9	49,400	44.7	151.1	47,500	110
112	8.7	108.8	50,800	25.6	132.2	50,100	35.3	142.9	48,300	42.7	148.9	46,400	112
115				20.9	125.5	48,400	31.9	138.4	46,600	39.9	145.5	44,800	115
120				6.7	103.8	45,600	25.0	128.9	44,000	34.5	138.7	42,400	120
125							15.4	114.7	41,700	28.2	130.2	40,100	125
127							9.0	104.7	40,700	25.0	125.6	39,300	127
130										20.2	118.6	38,000	130
135										3.3	92.7	35,900	135

# MLC250 S-3

ASME B30.5



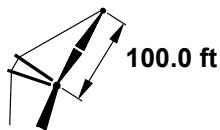
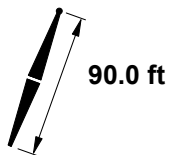
	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
36	75.9	194.7	151,400 d							36
38	74.7	194.2	146,200 c							38
40	73.5	193.6	141,300 b							40
43	71.7	192.6	134,600 b	73.6	193.4	142,100 b				43
45	70.5	191.9	130,100 b	72.4	192.7	137,400 b				45
50	67.4	189.9	120,200	69.4	190.9	126,700 b				50
52	66.1	189.0	116,700	68.1	190.1	123,000 b	71.0	191.4	132,400 b	52
55	64.3	187.6	111,500	66.2	188.8	117,300	69.2	190.2	126,300 b	55
60	61.0	184.9	103,800	63.1	186.4	109,100	66.0	188.1	116,900	60
62	59.7	183.7	101,100	61.7	185.2	106,100	64.8	187.1	112,300	62
65	57.6	181.8	97,100	59.8	183.6	101,700	62.8	185.6	105,500	65
70	54.2	178.4	88,000	56.4	180.3	93,600	59.6	182.8	96,000	70
75	50.5	174.4	80,200	52.8	176.7	84,900	56.1	179.6	88,000	75
77	49.0	172.6	77,500	51.3	175.0	82,000	54.7	178.1	85,300	77
80	46.6	169.9	73,600	49.1	172.5	77,600	52.6	175.9	81,100	80
85	42.5	164.6	67,800	45.1	167.8	71,300	48.8	171.7	75,100	85
90	38.0	158.6	62,800	40.9	162.3	65,800	44.9	166.9	69,900	90
92	36.0	155.7	61,100	39.0	159.7	63,900	43.1	164.6	68,100	92
95	33.0	151.4	58,500	36.2	155.8	61,100	40.6	161.3	65,300	95
100	27.1	142.5	54,600	30.9	148.0	56,900	35.9	154.8	60,700	100
105	19.7	130.5	50,000	24.6	138.2	53,200	30.5	146.9	56,600	105
107	14.1	121.1	44,800	21.2	132.6	51,000	28.0	142.9	55,100	107
110	5.9	107.0	37,100	16.0	124.2	47,600	24.1	136.9	52,900	110
113				6.7	108.1	39,000	18.8	128.2	50,400	113
115							15.3	122.4	48,800	115
118							4.5	103.7	39,300	118
120										120
122										122
125										125
130										130
135										135
137										137
140										140
145										145

# MLC250 S-3

ASME B30.5



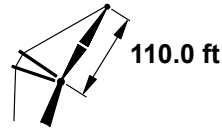
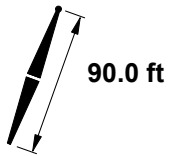
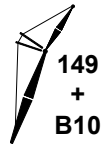
219,600 lb  
+  
80,000 lb



	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
36													36
38													38
40													40
43													43
45													45
50													50
52													52
55													55
60													60
62	67.7	188.5	109,600										62
65	65.8	187.1	103,200										65
70	62.6	184.6	93,900										70
75	59.3	181.8	86,100										75
77	57.9	180.5	83,400	63.0	183.1	80,200							77
80	55.9	178.5	79,300	61.1	181.4	76,400							80
85	52.3	174.8	73,500	57.7	178.4	70,700							85
90	48.6	170.5	68,400	54.2	174.9	65,800							90
92	47.0	168.6	66,500	52.7	173.3	64,000	58.0	176.1	61,500				92
95	44.6	165.7	63,800	50.6	170.9	61,400	55.9	174.1	59,100				95
100	40.3	160.1	59,800	46.7	166.4	57,500	52.4	170.4	55,300				100
105	35.5	153.5	56,200	42.6	161.2	54,000	48.6	166.1	51,900				105
107	33.4	150.3	54,900	40.8	158.8	52,800	47.0	164.2	50,700	52.5	167.3	48,700	107
110	30.1	145.5	52,900	38.1	155.2	50,900	44.6	161.3	48,900	50.3	164.9	47,000	110
113	26.2	139.4	51,100	35.0	150.8	49,200	42.0	157.9	47,200	47.9	162.1	45,400	113
115	23.6	135.3	49,900	33.0	148.0	48,000	40.3	155.7	46,100	46.4	160.3	44,300	115
118	18.1	126.2	48,200	29.5	142.6	46,400	37.5	151.7	44,600	43.9	157.1	42,800	118
120	14.5	120.1	47,100	27.2	139.1	45,400	35.6	149.1	43,600	42.2	155.0	41,900	120
122	8.2	109.5	44,400	24.2	134.3	44,400	33.4	145.9	42,700	40.4	152.6	41,000	122
125				19.8	127.2	43,000	30.2	141.1	41,300	37.7	148.9	39,700	125
130				6.3	104.3	40,600	23.7	131.0	39,200	32.6	141.6	37,600	130
135							14.6	115.9	37,200	26.7	132.6	35,700	135
137							8.5	105.4	36,400	23.7	127.6	35,000	137
140										19.1	120.3	33,900	140
145										3.1	92.9	32,200	145

# MLC250 S-3

ASME B30.5



	88°			86°			83°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
39	75.6	204.3	137,400 b							39
40	75.1	204.0	136,500 b							40
45	72.3	202.5	126,300 b							45
46	71.8	202.1	124,400 b	73.5	202.9	131,100 b				46
50	69.6	200.7	117,000	71.3	201.6	123,300				50
55	66.8	198.6	108,800	68.5	199.7	114,500				55
56	66.2	198.1	107,400	68.0	199.3	112,900	70.6	200.6	121,200	56
60	63.9	196.2	101,600	65.7	197.5	106,600	68.3	199.0	114,300	60
65	60.9	193.5	95,100	62.8	195.0	99,600	65.5	196.8	105,400	65
66	60.3	192.9	93,700	62.2	194.5	98,300	64.9	196.3	103,500	66
70	57.9	190.5	88,300	59.8	192.2	93,300	62.6	194.3	95,900	70
75	54.7	187.1	80,400	56.7	189.0	85,200	59.6	191.5	87,900	75
80	51.4	183.2	73,700	53.5	185.5	77,700	56.5	188.3	81,000	80
82	50.0	181.5	71,400	52.2	183.8	75,200	55.2	186.8	78,600	82
85	48.0	178.9	67,900	50.2	181.4	71,400	53.3	184.6	75,100	85
90	44.3	174.0	62,900	46.6	176.9	65,900	49.9	180.6	69,800	90
95	40.4	168.4	58,400	42.9	171.7	61,100	46.4	176.0	65,200	95
98	37.8	164.5	56,100	40.5	168.2	58,600	44.1	172.9	62,600	98
100	36.1	161.9	54,500	38.9	165.8	56,900	42.6	170.8	60,800	100
105	31.4	154.2	51,000	34.4	158.9	53,100	38.6	164.8	56,600	105
110	25.8	144.7	47,900	29.4	150.7	49,800	34.1	157.9	52,800	110
113	21.5	137.1	45,600	25.8	144.4	48,000	31.1	152.8	50,800	113
115	18.7	132.1	44,000	23.4	140.3	46,800	29.0	149.5	49,500	115
120	5.5	107.4	32,900	15.2	125.5	42,100	23.0	138.9	46,500	120
123				6.3	108.6	34,700	17.9	129.7	44,500	123
125							14.6	123.6	43,100	125
128							4.2	104.0	35,000	128
130										130
132										132
135										135
140										140
145										145
147										147
150										150
155										155

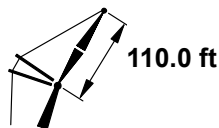
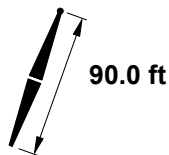


# MLC250 S-3

ASME B30.5



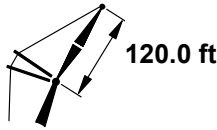
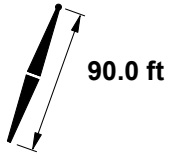
219,600 lb  
+  
80,000 lb



	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
39													39
40													40
45													45
46													46
50													50
55													55
56													56
60													60
65													65
66	67.6	197.6	101,100										66
70	65.3	195.8	93,800										70
75	62.4	193.3	86,000										75
80	59.4	190.4	79,200										80
82	58.1	189.1	76,900	62.7	191.7	73,900							82
85	56.3	187.2	73,400	61.0	190.1	70,600							85
90	53.1	183.6	68,300	57.9	187.0	65,700							90
95	49.7	179.5	63,700	54.8	183.6	61,300							95
98	47.6	176.7	61,300	52.8	181.3	59,000	57.6	184.1	56,600				98
100	46.1	174.8	59,700	51.5	179.8	57,400	56.3	182.8	55,200				100
105	42.4	169.6	56,100	48.0	175.4	53,900	53.1	179.2	51,800				105
110	38.3	163.6	52,900	44.4	170.5	50,800	49.7	175.1	48,800				110
113	35.6	159.3	51,100	42.0	167.2	49,100	47.6	172.3	47,100	52.5	175.3	45,200	113
115	33.8	156.5	49,900	40.5	164.9	48,000	46.2	170.5	46,000	51.2	173.7	44,200	115
120	28.7	148.0	47,200	36.2	158.5	45,400	42.4	165.2	43,500	47.7	169.4	41,800	120
123	24.9	141.6	45,700	33.3	153.9	43,900	40.0	161.6	42,200	45.5	166.4	40,400	123
125	22.5	137.2	44,700	31.4	150.8	43,000	38.3	159.2	41,300	44.1	164.4	39,600	125
128	17.2	127.7	43,300	28.1	145.1	41,700	35.6	155.0	40,000	41.7	161.0	38,300	128
130	13.8	121.3	42,400	25.9	141.4	40,800	33.8	152.1	39,200	40.1	158.7	37,500	130
132	7.8	110.1	39,600	23.1	136.3	40,000	31.8	148.8	38,400	38.4	156.1	36,800	132
135				18.8	128.8	38,700	28.7	143.7	37,200	35.8	152.2	35,700	135
140				6.0	104.7	36,800	22.5	132.9	35,400	31.0	144.4	33,900	140
145							13.9	117.1	33,700	25.4	134.8	32,300	145
147							8.0	106.1	33,000	22.5	129.6	31,700	147
150										18.2	121.9	30,800	150
155										2.9	93.1	29,200	155

# MLC250 S-3

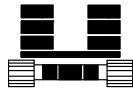
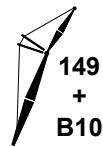
ASME B30.5



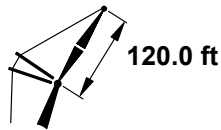
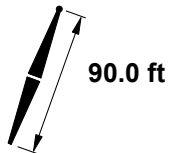
	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
41	75.8	214.1	121,900 b							41
45	73.9	213.0	120,400 b							45
48	72.3	212.0	116,300 b	73.9	212.8	123,000 b				48
50	71.3	211.3	113,600	72.9	212.1	119,500				50
55	68.8	209.5	105,900	70.4	210.4	111,400				55
59	66.7	207.7	100,400	68.3	208.8	105,500	70.7	210.1	112,800	59
60	66.2	207.3	99,000	67.8	208.5	104,000	70.2	209.7	111,300	60
65	63.6	204.9	92,900	65.2	206.2	97,300	67.7	207.7	104,000	65
69	61.4	202.7	88,400	63.1	204.2	92,500	65.6	205.9	97,200	69
70	60.8	202.2	87,300	62.5	203.7	91,300	65.1	205.5	95,500	70
75	58.0	199.2	79,900	59.8	200.9	84,700	62.4	203.0	87,500	75
80	55.2	195.8	73,200	57.0	197.7	77,300	59.6	200.1	80,600	80
85	52.2	192.0	67,400	54.1	194.2	70,900	56.8	196.9	74,700	85
87	50.9	190.4	65,400	52.8	192.6	68,700	55.6	195.5	72,600	87
90	49.1	187.9	62,300	51.0	190.3	65,400	53.9	193.4	69,400	90
95	45.8	183.2	57,900	47.9	185.9	60,600	50.8	189.5	64,800	95
100	42.3	177.9	54,000	44.5	181.0	56,400	47.7	185.1	60,300	100
103	40.1	174.3	51,900	42.4	177.7	54,100	45.6	182.1	57,800	103
105	38.6	171.9	50,500	41.0	175.5	52,600	44.3	180.1	56,100	105
110	34.5	165.0	47,300	37.1	169.2	49,200	40.7	174.5	52,300	110
115	30.0	156.9	44,500	32.9	161.9	46,200	36.9	168.2	49,000	115
119	25.7	148.9	42,500	29.0	154.9	44,000	33.4	162.3	46,600	119
120	24.6	146.9	42,000	28.1	153.2	43,500	32.6	160.8	46,000	120
125	17.9	133.6	38,500	22.4	142.2	41,000	27.8	152.0	43,300	125
130	5.3	107.8	28,900	14.6	126.7	36,900	21.9	140.9	40,800	130
133				6.0	109.1	30,500	17.1	131.2	39,100	133
135							13.9	124.8	37,900	135
138							4.0	104.3	30,800	138
140										140
142										142
145										145
150										150
155										155
157										157
160										160
165										165

# MLC250 S-3

ASME B30.5



219,600 lb  
+  
80,000 lb



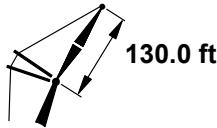
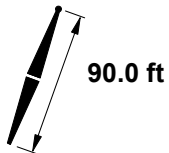
	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
41													41
45													45
48													48
50													50
55													55
59													59
60													60
65													65
69	68.0	207.2	95,100										69
70	67.5	206.8	93,300										70
75	64.9	204.5	85,500										75
80	62.2	202.0	78,800										80
85	59.4	199.1	72,900										85
87	58.3	197.8	70,900	62.5	200.4	68,000							87
90	56.6	195.9	67,800	60.9	198.7	65,200							90
95	53.7	192.3	63,300	58.1	195.7	60,800							95
100	50.6	188.3	59,300	55.2	192.3	56,900							100
103	48.7	185.7	57,100	53.4	190.1	54,900	57.8	192.8	52,600				103
105	47.4	183.9	55,700	52.2	188.6	53,500	56.6	191.5	51,300				105
110	44.0	178.9	52,500	49.1	184.4	50,300	53.7	187.9	48,300				110
115	40.5	173.3	49,500	45.8	179.7	47,500	50.6	183.9	45,500				115
119	37.3	168.2	47,400	43.1	175.5	45,400	48.1	180.4	43,500	52.6	183.3	41,700	119
120	36.6	166.9	46,800	42.4	174.4	44,900	47.5	179.5	43,000	52.0	182.5	41,200	120
125	32.3	159.4	44,400	38.6	168.5	42,600	44.1	174.5	40,800	48.9	178.3	39,000	125
130	27.4	150.5	42,100	34.6	161.6	40,400	40.5	168.9	38,700	45.6	173.6	37,000	130
133	23.8	143.7	40,900	31.9	156.7	39,200	38.2	165.1	37,500	43.5	170.4	35,900	133
135	21.5	139.1	40,000	30.0	153.5	38,400	36.6	162.5	36,800	42.1	168.3	35,200	135
138	16.5	129.1	38,800	26.9	147.5	37,300	34.0	158.0	35,700	39.8	164.6	34,100	138
140	13.1	122.4	38,000	24.7	143.6	36,500	32.3	155.0	35,000	38.3	162.2	33,400	140
142	7.4	110.7	34,900	22.0	138.3	35,800	30.4	151.5	34,300	36.7	159.4	32,800	142
145				18.0	130.4	34,800	27.4	146.1	33,300	34.2	155.3	31,800	145
150				5.7	105.2	33,000	21.5	134.8	31,700	29.7	147.0	30,400	150
155							13.2	118.2	30,200	24.3	137.0	28,900	155
157							7.7	106.7	29,600	21.5	131.5	28,400	157
160										17.4	123.4	27,600	160
165										2.7	93.2	26,300	165

# MLC250 S-3

ASME B30.5



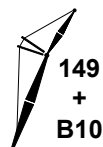
219,600 lb  
+  
80,000 lb



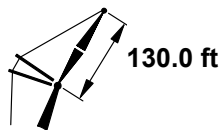
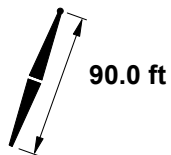
	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
44	75.6	223.6	108,200 b							44
45	75.1	223.4	107,900							45
50	72.8	221.9	106,400							50
51	72.4	221.5	105,700	73.8	222.3	114,200				51
55	70.5	220.2	103,100	72.0	221.0	108,300				55
60	68.1	218.2	96,700	69.6	219.2	101,400				60
62	67.2	217.3	94,300	68.7	218.4	98,900	70.9	219.6	105,500	62
65	65.7	216.0	90,800	67.2	217.2	95,200	69.5	218.5	101,600	65
70	63.3	213.6	85,500	64.8	214.9	89,500	67.1	216.5	95,200	70
73	61.8	211.9	82,200	63.3	213.4	86,400	65.6	215.1	90,400	73
75	60.8	210.9	80,000	62.4	212.4	84,300	64.7	214.2	87,200	75
80	58.2	207.9	73,200	59.8	209.5	77,300	62.2	211.6	80,300	80
85	55.6	204.5	67,300	57.2	206.4	70,900	59.7	208.8	74,300	85
90	52.8	200.8	62,200	54.5	202.9	65,300	57.1	205.6	69,100	90
91	52.2	200.0	61,300	54.0	202.2	64,400	56.5	204.9	68,200	91
95	50.0	196.8	57,700	51.8	199.1	60,500	54.4	202.1	64,500	95
100	47.0	192.2	53,800	48.9	194.9	56,200	51.6	198.3	60,200	100
105	43.9	187.2	50,200	45.9	190.2	52,400	48.7	194.0	55,900	105
108	41.9	183.8	48,300	43.9	187.0	50,300	46.9	191.2	53,600	108
110	40.6	181.6	47,100	42.7	185.0	49,000	45.7	189.3	52,100	110
115	37.0	175.2	44,200	39.3	179.1	45,900	42.5	184.0	48,700	115
120	33.1	168.0	41,600	35.6	172.4	43,200	39.0	178.1	45,700	120
125	28.7	159.4	39,300	31.5	164.7	40,700	35.3	171.4	43,000	125
130	23.6	149.0	37,100	26.9	155.6	38,400	31.3	163.6	40,500	130
135	17.1	135.1	34,100	21.4	144.1	36,300	26.6	154.3	38,200	135
140	5.0	108.2	25,600	14.0	127.9	32,700	21.0	142.7	36,100	140
143				5.7	109.5	27,000	16.4	132.6	34,600	143
145							13.3	125.9	33,600	145
148							3.8	104.6	27,400	148
150										150
152										152
155										155
160										160
165										165
167										167
170										170
175										175

# MLC250 S-3

ASME B30.5



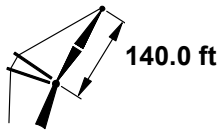
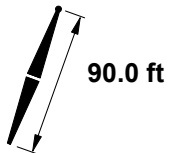
219,600 lb  
+  
80,000 lb



	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
44													44
45													45
50													50
51													51
55													55
60													60
62													62
65													65
70													70
73	67.9	216.4	88,100										73
75	66.9	215.5	85,100										75
80	64.5	213.2	78,400										80
85	62.0	210.6	72,600										85
90	59.5	207.7	67,500										90
91	58.9	207.1	66,600	62.8	209.6	63,900							91
95	56.9	204.6	63,000	60.8	207.4	60,400							95
100	54.2	201.1	59,000	58.2	204.4	56,600							100
105	51.4	197.2	55,400	55.6	201.1	53,100							105
108	49.6	194.6	53,400	53.9	198.8	51,200	57.9	201.5	49,000				108
110	48.5	192.9	52,100	52.9	197.4	50,000	56.9	200.2	47,900				110
115	45.4	188.1	49,200	50.0	193.3	47,200	54.2	196.7	45,200				115
120	42.2	182.8	46,500	47.0	188.8	44,600	51.4	192.8	42,700				120
125	38.8	176.8	44,100	43.9	183.8	42,200	48.5	188.5	40,400	52.6	191.3	38,600	125
130	35.1	170.0	41,900	40.6	178.2	40,100	45.5	183.7	38,300	49.8	187.2	36,600	130
135	31.0	162.2	39,800	37.1	171.8	38,100	42.3	178.4	36,400	46.8	182.7	34,800	135
140	26.3	152.8	37,900	33.2	164.6	36,200	38.8	172.5	34,600	43.7	177.6	33,100	140
143	22.9	145.7	36,700	30.6	159.5	35,200	36.6	168.4	33,700	41.7	174.2	32,100	143
145	20.6	140.9	35,900	28.8	156.1	34,500	35.1	165.7	33,000	40.3	172.0	31,500	145
148	15.8	130.5	34,800	25.8	149.8	33,600	32.6	161.0	32,100	38.2	168.1	30,600	148
150	12.6	123.5	34,000	23.7	145.7	32,900	31.0	157.8	31,500	36.8	165.6	30,000	150
152	7.1	111.3	31,100	21.1	140.1	32,300	29.1	154.1	30,900	35.2	162.6	29,500	152
155				17.3	131.9	31,400	26.3	148.5	30,000	32.8	158.2	28,600	155
160				5.5	105.6	29,900	20.7	136.6	28,700	28.4	149.6	27,300	160
165							12.7	119.3	27,300	23.3	139.0	26,100	165
167							7.3	107.3	26,800	20.6	133.3	25,700	167
170										16.6	124.8	24,900	170
175										2.6	93.4	23,700	175

# MLC250 S-3

ASME B30.5



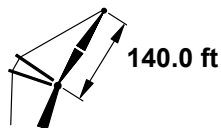
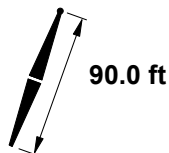
	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
46	75.8	233.5	96,600							46
50	74.1	232.3	95,700							50
54	72.4	231.1	94,700	73.7	231.8	106,100				54
55	72.0	230.8	94,400	73.3	231.5	104,700				55
60	69.8	229.0	93,100	71.1	229.9	98,500				60
65	67.6	227.0	88,500	69.0	228.0	92,600	71.0	229.2	98,600	65
70	65.3	224.7	83,300	66.7	225.9	87,300	68.8	227.3	92,900	70
75	63.1	222.3	78,700	64.5	223.6	82,300	66.6	225.2	86,700	75
77	62.1	221.2	76,300	63.6	222.6	80,100	65.7	224.3	84,000	77
80	60.7	219.5	72,700	62.2	221.0	76,900	64.3	222.9	79,800	80
85	58.3	216.5	66,800	59.8	218.2	70,400	62.0	220.3	73,900	85
90	55.9	213.2	61,700	57.4	215.1	64,800	59.7	217.4	68,700	90
95	53.4	209.6	57,200	54.9	211.7	60,000	57.3	214.3	64,100	95
96	52.8	208.8	56,400	54.4	210.9	59,100	56.8	213.6	63,200	96
100	50.7	205.6	53,300	52.4	207.9	55,700	54.8	210.9	59,700	100
105	48.0	201.3	49,700	49.7	203.8	51,900	52.2	207.1	55,400	105
110	45.2	196.4	46,500	47.0	199.3	48,500	49.6	203.0	51,600	110
114	42.8	192.2	44,200	44.7	195.3	46,000	47.3	199.3	48,900	114
115	42.2	191.1	43,700	44.1	194.3	45,400	46.8	198.4	48,200	115
120	39.0	185.2	41,000	41.0	188.7	42,600	43.9	193.4	45,200	120
125	35.6	178.5	38,700	37.8	182.5	40,100	40.8	187.8	42,400	125
130	31.8	170.8	36,500	34.2	175.5	37,800	37.5	181.5	39,900	130
131	31.0	169.0	36,100	33.5	173.9	37,400	36.8	180.1	39,500	131
135	27.7	161.9	34,500	30.3	167.4	35,700	34.0	174.4	37,600	135
140	22.8	151.0	32,700	25.9	157.9	33,800	30.1	166.3	35,500	140
145	16.5	136.5	30,000	20.6	145.9	32,100	25.6	156.6	33,600	145
150	4.8	108.6	22,400	13.4	129.0	28,800	20.2	144.5	31,900	150
153				5.5	110.0	23,700	15.8	134.0	30,600	153
155							12.8	127.0	29,700	155
158							3.7	104.9	24,100	158
160										160
162										162
165										165
170										170
175										175
177										177
180										180
185										185

# MLC250 S-3

ASME B30.5



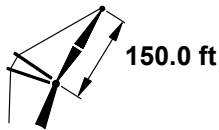
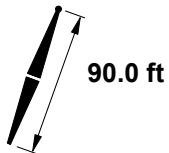
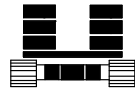
219,600 lb  
+  
80,000 lb



	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
46													46
50													50
54													54
55													55
60													60
65													65
70													70
75													75
77	67.8	225.5	81,800										77
80	66.4	224.2	77,900										80
85	64.2	221.9	72,100										85
90	61.9	219.3	67,000										90
95	59.5	216.4	62,500										95
96	59.0	215.8	61,700	62.6	218.3	59,100							96
100	57.1	213.3	58,500	60.8	216.1	56,100							100
105	54.6	209.8	54,900	58.4	213.1	52,600							105
110	52.0	206.0	51,700	55.9	209.8	49,500							110
114	49.9	202.7	49,400	53.9	206.9	47,200	57.6	209.5	45,100				114
115	49.4	201.8	48,800	53.4	206.1	46,700	57.1	208.9	44,600				115
120	46.6	197.2	46,100	50.8	202.2	44,100	54.6	205.4	42,200				120
125	43.7	192.2	43,700	48.1	197.8	41,800	52.1	201.6	39,900				125
130	40.6	186.5	41,400	45.2	193.0	39,600	49.4	197.4	37,800				130
131	39.9	185.3	41,000	44.6	191.9	39,200	48.8	196.5	37,400	52.7	199.3	35,700	131
135	37.3	180.2	39,400	42.2	187.7	37,600	46.6	192.8	35,900	50.6	196.1	34,300	135
140	33.7	173.1	37,400	39.1	181.7	35,800	43.7	187.8	34,200	47.8	191.7	32,600	140
145	29.8	164.8	35,400	35.6	175.1	34,100	40.6	182.2	32,500	45.0	186.9	31,000	145
150	25.3	155.0	33,400	31.9	167.4	32,500	37.3	175.9	31,000	42.0	181.5	29,500	150
153	22.0	147.6	32,400	29.4	162.1	31,600	35.2	171.6	30,100	40.1	177.9	28,700	153
155	19.8	142.7	31,700	27.7	158.5	31,000	33.8	168.7	29,600	38.8	175.5	28,100	155
158	15.2	131.8	30,700	24.8	152.0	30,200	31.4	163.8	28,800	36.7	171.5	27,400	158
160	12.1	124.5	30,100	22.8	147.7	29,600	29.8	160.5	28,200	35.4	168.8	26,900	160
162	6.9	111.8	27,500	20.3	141.9	29,100	28.0	156.6	27,700	33.9	165.7	26,400	162
165				16.6	133.3	28,300	25.3	150.7	27,000	31.6	161.1	25,700	165
170				5.2	106.0	27,000	19.9	138.4	25,800	27.4	152.0	24,500	170
175							12.2	120.3	24,600	22.4	141.0	23,400	175
177							7.0	107.9	24,100	19.8	135.0	23,000	177
180										16.0	126.2	22,400	180
185										2.5	93.6	21,300	185

# MLC250 S-3

ASME B30.5



	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
48	76.0	243.3	86,600							48
50	75.2	242.7	86,200							50
55	73.2	241.3	85,200							55
57	72.4	240.6	84,800	73.7	241.4	98,700				57
60	71.2	239.6	84,100	72.4	240.4	95,500				60
65	69.1	237.8	83,100	70.4	238.7	90,100				65
69	67.5	236.1	81,700	68.8	237.2	86,100	70.7	238.4	91,400	69
70	67.1	235.7	81,300	68.4	236.8	85,100	70.3	238.0	90,400	70
75	65.0	233.4	77,000	66.3	234.6	80,400	68.2	236.1	85,500	75
80	62.8	230.9	72,500	64.2	232.3	76,200	66.2	233.9	79,700	80
81	62.4	230.4	71,300	63.8	231.8	75,000	65.7	233.4	78,500	81
85	60.7	228.2	66,600	62.0	229.7	70,200	64.1	231.6	73,700	85
90	58.4	225.2	61,500	59.8	226.9	64,600	61.9	228.9	68,500	90
95	56.2	221.9	57,000	57.6	223.8	59,800	59.7	226.1	63,900	95
100	53.8	218.4	53,000	55.3	220.4	55,500	57.5	223.0	59,500	100
105	51.4	214.5	49,500	52.9	216.7	51,700	55.1	219.6	55,200	105
110	48.9	210.2	46,300	50.5	212.7	48,200	52.8	215.9	51,400	110
115	46.3	205.6	43,400	47.9	208.3	45,200	50.3	211.8	48,000	115
119	44.1	201.5	41,300	45.8	204.4	43,000	48.3	208.3	45,600	119
120	43.6	200.5	40,800	45.3	203.5	42,400	47.8	207.4	45,000	120
125	40.7	194.8	38,400	42.5	198.2	39,900	45.1	202.6	42,200	125
130	37.6	188.6	36,300	39.6	192.3	37,600	42.3	197.3	39,700	130
135	34.3	181.6	34,300	36.4	185.8	35,500	39.4	191.4	37,400	135
137	32.9	178.4	33,600	35.1	182.9	34,700	38.1	188.7	36,600	137
140	30.7	173.6	32,500	33.0	178.5	33,600	36.2	184.8	35,300	140
145	26.7	164.2	30,800	29.3	170.0	31,800	32.8	177.4	33,400	145
150	22.0	152.9	29,200	25.0	160.1	30,100	29.0	168.9	31,600	150
155	15.9	137.9	26,800	19.9	147.7	28,600	24.7	158.8	30,000	155
160	4.7	108.9	20,000	12.9	130.2	25,700	19.5	146.2	28,500	160
163				5.3	110.4	21,200	15.2	135.3	27,300	163
165							12.4	128.1	26,500	165
168							3.5	105.1	21,600	168
170										170
172										172
175										175
180										180
185										185
187										187
190										190
195										195

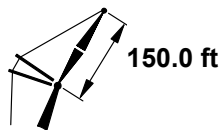
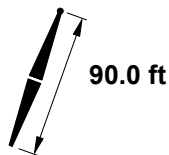


# MLC250 S-3

ASME B30.5



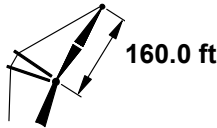
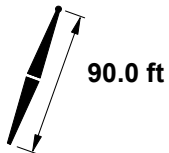
219,600 lb  
+  
80,000 lb



	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
48													48
50													50
55													55
57													57
60													60
65													65
69													69
70													70
75													75
80													80
81	67.7	234.7	76,500										81
85	66.0	233.0	71,900										85
90	63.9	230.6	66,800										90
95	61.7	227.9	62,300										95
100	59.5	225.1	58,300	62.9	227.5	55,900							100
105	57.3	221.9	54,800	60.7	224.7	52,400							105
110	55.0	218.5	51,500	58.5	221.7	49,300							110
115	52.6	214.8	48,600	56.2	218.5	46,500							115
119	50.6	211.5	46,500	54.3	215.6	44,500	57.8	218.2	42,500				119
120	50.1	210.7	46,000	53.9	214.9	43,900	57.3	217.5	42,000				120
125	47.6	206.3	43,500	51.4	211.0	41,600	55.0	214.1	39,700				125
130	44.9	201.4	41,300	48.9	206.8	39,500	52.6	210.4	37,700				130
135	42.1	196.0	39,200	46.3	202.1	37,500	50.2	206.3	35,800				135
137	40.9	193.7	38,400	45.2	200.1	36,700	49.1	204.5	35,100	52.7	207.3	33,400	137
140	39.1	190.1	37,200	43.6	197.0	35,700	47.6	201.9	34,000	51.2	205.0	32,400	140
145	36.0	183.5	35,100	40.7	191.4	34,000	44.9	197.0	32,400	48.7	200.7	30,800	145
150	32.5	176.0	33,200	37.7	185.2	32,400	42.1	191.7	30,800	46.1	196.0	29,400	150
155	28.7	167.4	31,500	34.4	178.2	30,900	39.2	185.7	29,400	43.4	190.9	28,000	155
160	24.4	157.2	29,800	30.8	170.2	29,500	36.0	179.1	28,100	40.5	185.2	26,700	160
163	21.2	149.5	28,900	28.4	164.6	28,700	33.9	174.6	27,400	38.6	181.4	26,000	163
165	19.1	144.3	28,300	26.8	160.9	28,200	32.6	171.7	26,900	37.4	178.9	25,500	165
168	14.7	133.0	27,500	23.9	154.1	27,500	30.3	166.5	26,200	35.4	174.7	24,800	168
170	11.7	125.5	26,900	22.0	149.6	27,000	28.8	163.1	25,700	34.1	171.8	24,400	170
172	6.6	112.4	24,700	19.6	143.6	26,500	27.0	159.0	25,200	32.7	168.6	24,000	172
175				16.0	134.7	25,800	24.4	152.9	24,600	30.5	163.8	23,300	175
180				5.0	106.4	24,600	19.2	140.0	23,500	26.4	154.4	22,300	180
185							11.8	121.4	22,500	21.6	142.9	21,400	185
187							6.8	108.4	22,100	19.2	136.7	21,000	187
190										15.5	127.5	20,400	190
195										2.4	93.7	19,500	195

# MLC250 S-3

ASME B30.5



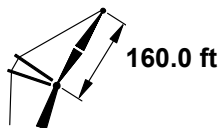
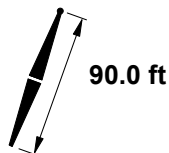
	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
51	75.8	252.8	77,300							51
55	74.3	251.7	76,800							55
59	72.8	250.5	76,000	74.0	251.2	87,600				59
60	72.4	250.2	75,900	73.6	250.9	87,500				60
65	70.5	248.5	74,900	71.7	249.3	87,200				65
70	68.6	246.5	74,000	69.8	247.5	82,600				70
72	67.8	245.7	73,700	69.0	246.7	80,800	70.8	247.9	84,200	72
75	66.7	244.4	73,200	67.9	245.5	78,200	69.7	246.8	82,900	75
80	64.7	242.1	70,200	65.9	243.4	74,200	67.7	244.8	78,600	80
84	63.1	240.1	66,900	64.3	241.4	71,200	66.2	243.1	74,400	84
85	62.7	239.6	66,100	63.9	241.0	70,400	65.8	242.6	73,300	85
90	60.6	236.8	61,500	61.9	238.4	64,700	63.8	240.2	68,100	90
95	58.5	233.9	56,900	59.9	235.5	59,700	61.8	237.6	63,500	95
100	56.4	230.6	52,900	57.8	232.4	55,400	59.7	234.8	59,400	100
105	54.2	227.1	49,300	55.6	229.1	51,500	57.6	231.7	55,100	105
110	52.0	223.3	46,100	53.4	225.5	48,000	55.5	228.3	51,300	110
115	49.6	219.1	43,200	51.1	221.5	44,900	53.2	224.6	47,800	115
120	47.2	214.6	40,500	48.7	217.2	42,100	51.0	220.7	44,700	120
124	45.2	210.7	38,600	46.8	213.5	40,100	49.1	217.2	42,500	124
125	44.7	209.7	38,100	46.3	212.6	39,600	48.6	216.4	41,900	125
130	42.1	204.3	35,900	43.8	207.5	37,300	46.1	211.7	39,400	130
135	39.3	198.4	33,900	41.1	201.9	35,100	43.6	206.6	37,100	135
140	36.4	191.9	32,000	38.2	195.8	33,200	40.9	201.0	35,000	140
143	34.5	187.5	31,000	36.4	191.7	32,100	39.2	197.3	33,800	143
145	33.2	184.6	30,300	35.2	189.0	31,400	38.1	194.8	33,000	145
150	29.7	176.2	28,800	31.9	181.3	29,700	35.0	188.0	31,200	150
155	25.8	166.5	27,300	28.3	172.5	28,200	31.7	180.2	29,600	155
160	21.2	154.8	25,900	24.2	162.2	26,700	28.1	171.4	28,000	160
165	15.4	139.3	23,600	19.3	149.3	25,400	23.9	160.9	26,600	165
170	4.5	109.3	17,500	12.5	131.2	22,700	18.9	147.8	25,300	170
173				5.1	110.8	18,600	14.7	136.6	24,200	173
175							12.0	129.1	23,500	175
178							3.4	105.4	19,000	178
180										180
182										182
185										185
190										190
195										195
197										197
200										200
205										205

# MLC250 S-3

ASME B30.5



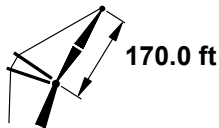
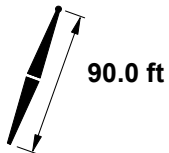
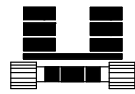
219,600 lb  
+  
80,000 lb



	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
51													51
55													55
59													59
60													60
65													65
70													70
72													72
75													75
80													80
84	68.0	244.3	72,600										84
85	67.6	243.9	71,500										85
90	65.7	241.7	66,400										90
95	63.7	239.2	61,900										95
100	61.6	236.6	57,900										100
105	59.6	233.7	54,300	62.7	236.1	51,900							105
110	57.5	230.6	51,100	60.7	233.4	48,800							110
115	55.3	227.2	48,200	58.6	230.4	46,000							115
120	53.1	223.6	45,500	56.4	227.1	43,500							120
124	51.2	220.4	43,600	54.7	224.3	41,600	57.9	226.9	39,600				124
125	50.8	219.6	43,100	54.3	223.6	41,100	57.5	226.2	39,200				125
130	48.4	215.3	40,900	52.0	219.8	39,000	55.3	222.8	37,100				130
135	46.0	210.5	38,800	49.7	215.7	37,000	53.1	219.2	35,200				135
140	43.4	205.4	36,900	47.3	211.2	35,200	50.8	215.2	33,500				140
143	41.8	202.0	35,600	45.8	208.2	34,200	49.4	212.6	32,500	52.7	215.3	30,900	143
145	40.7	199.8	34,800	44.8	206.3	33,500	48.4	210.9	31,900	51.8	213.8	30,300	145
150	37.8	193.6	32,900	42.1	200.9	31,900	46.0	206.2	30,400	49.5	209.6	28,800	150
155	34.8	186.6	31,100	39.4	195.0	30,500	43.4	201.0	28,900	47.1	205.1	27,500	155
160	31.5	178.8	29,400	36.4	188.5	29,100	40.7	195.4	27,600	44.6	200.1	26,200	160
165	27.8	169.9	27,900	33.2	181.2	27,800	37.9	189.2	26,400	41.9	194.7	25,000	165
170	23.6	159.3	26,400	29.8	172.8	26,600	34.8	182.3	25,200	39.1	188.8	23,900	170
173	20.5	151.3	25,700	27.4	167.0	25,900	32.8	177.6	24,600	37.4	184.8	23,300	173
175	18.5	145.9	25,100	25.9	163.2	25,400	31.5	174.5	24,100	36.2	182.2	22,900	175
178	14.2	134.3	24,400	23.1	156.2	24,800	29.3	169.1	23,500	34.3	177.8	22,300	178
180	11.3	126.5	23,900	21.3	151.5	24,400	27.8	165.5	23,100	33.0	174.8	21,900	180
182	6.4	112.9	21,900	19.0	145.3	23,900	26.1	161.3	22,700	31.6	171.4	21,500	182
185				15.5	136.0	23,300	23.6	154.9	22,100	29.5	166.4	20,900	185
190				4.9	106.8	22,300	18.5	141.6	21,200	25.5	156.6	20,000	190
195							11.4	122.3	20,200	20.9	144.7	19,200	195
197							6.6	108.9	19,900	18.5	138.3	18,800	197
200										14.9	128.8	18,300	200
205										2.3	93.9	17,500	205

# MLC250 S-3

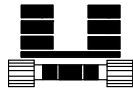
ASME B30.5



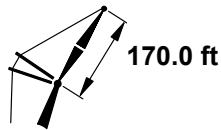
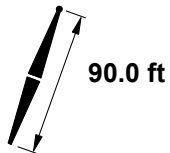
	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
53	75.9	262.6	69,300						53	
55	75.2	262.1	69,100						55	
60	73.5	260.7	68,600						60	
62	72.8	260.0	68,300	73.9	260.8	78,300			62	
65	71.7	259.0	67,900	72.8	259.8	78,000			65	
70	69.9	257.3	67,100	71.0	258.2	77,600			70	
75	68.1	255.3	66,400	69.2	256.3	76,200	70.9	257.5	75,000	75
80	66.3	253.2	65,600	67.4	254.3	72,500	69.1	255.6	74,900	80
85	64.4	250.8	63,400	65.6	252.1	68,900	67.3	253.6	72,900	85
88	63.3	249.3	61,300	64.4	250.6	66,100	66.2	252.2	69,800	88
90	62.5	248.3	59,900	63.7	249.6	64,300	65.5	251.3	67,700	90
95	60.6	245.5	56,500	61.8	247.0	59,300	63.6	248.9	63,100	95
100	58.6	242.5	52,500	59.9	244.2	55,000	61.7	246.3	59,000	100
105	56.6	239.3	48,900	57.9	241.1	51,100	59.7	243.4	54,700	105
109	55.0	236.5	46,300	56.3	238.4	48,300	58.1	240.9	51,600	109
110	54.6	235.8	45,600	55.9	237.8	47,600	57.8	240.3	50,800	110
115	52.5	232.1	42,700	53.8	234.2	44,500	55.7	237.0	47,400	115
120	50.3	228.0	40,100	51.7	230.3	41,700	53.7	233.4	44,300	120
125	48.1	223.6	37,700	49.5	226.2	39,100	51.5	229.5	41,500	125
129	46.2	219.8	35,900	47.6	222.5	37,300	49.8	226.2	39,500	129
130	45.7	218.9	35,500	47.2	221.6	36,800	49.3	225.3	39,000	130
135	43.3	213.7	33,500	44.8	216.7	34,700	47.0	220.8	36,600	135
140	40.8	208.1	31,600	42.4	211.4	32,700	44.7	215.8	34,500	140
145	38.1	201.9	29,900	39.8	205.6	30,900	42.2	210.5	32,600	145
149	35.8	196.4	28,600	37.6	200.5	29,600	40.1	205.8	31,100	149
150	35.2	195.1	28,300	37.0	199.2	29,200	39.6	204.6	30,800	150
155	32.2	187.4	26,800	34.1	192.1	27,700	36.9	198.2	29,100	155
160	28.8	178.8	25,400	30.9	184.1	26,300	33.9	191.0	27,600	160
165	25.0	168.7	24,200	27.4	175.0	24,900	30.7	183.0	26,100	165
170	20.6	156.6	23,000	23.5	164.3	23,700	27.2	173.8	24,800	170
175	14.9	140.5	20,800	18.7	151.0	22,500	23.2	162.9	23,600	175
180	4.3	109.6	15,200	12.1	132.3	20,000	18.3	149.4	22,400	180
183				5.0	111.2	16,300	14.3	137.8	21,400	183
185							11.6	130.1	20,800	185
188							3.3	105.6	16,700	188
190										190
192										192
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215										215

# MLC250 S-3

ASME B30.5



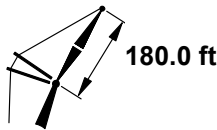
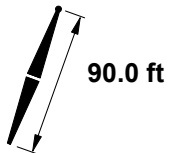
219,600 lb  
+  
80,000 lb



	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
53													53
55													55
60													60
62													62
65													65
70													70
75													75
80													80
85													85
88	67.9	253.5	67,900										88
90	67.2	252.6	66,000										90
95	65.3	250.4	61,500										95
100	63.4	247.9	57,500										100
105	61.5	245.3	53,900										105
109	60.0	243.0	51,400	62.9	245.3	49,000							109
110	59.6	242.4	50,700	62.5	244.8	48,400							110
115	57.6	239.3	47,800	60.6	242.0	45,600							115
120	55.6	235.9	45,200	58.7	239.1	43,100							120
125	53.5	232.3	42,700	56.7	235.8	40,700							125
129	51.8	229.2	41,000	55.0	233.0	39,000	58.0	235.5	37,100				129
130	51.4	228.4	40,500	54.6	232.4	38,600	57.6	234.9	36,700				130
135	49.2	224.2	38,500	52.5	228.6	36,600	55.6	231.5	34,900				135
140	46.9	219.6	36,500	50.3	224.6	34,800	53.5	227.9	33,100				140
145	44.5	214.7	34,400	48.1	220.2	33,100	51.4	224.0	31,500				145
149	42.5	210.3	32,800	46.2	216.4	31,900	49.6	220.6	30,300	52.8	223.3	28,700	149
150	42.0	209.3	32,400	45.8	215.4	31,600	49.2	219.8	30,000	52.3	222.6	28,400	150
155	39.4	203.4	30,600	43.3	210.3	30,100	46.9	215.2	28,600	50.2	218.5	27,100	155
160	36.7	196.9	29,000	40.8	204.6	28,700	44.5	210.3	27,300	47.9	214.1	25,800	160
165	33.7	189.7	27,400	38.1	198.5	27,500	42.1	204.9	26,000	45.6	209.3	24,600	165
170	30.5	181.6	26,000	35.3	191.7	26,300	39.4	199.0	24,900	43.1	204.1	23,500	170
175	26.9	172.3	24,700	32.2	184.0	25,100	36.7	192.5	23,800	40.6	198.4	22,500	175
180	22.9	161.3	23,400	28.8	175.4	24,000	33.7	185.3	22,800	37.9	192.2	21,500	180
183	19.9	153.0	22,700	26.6	169.4	23,400	31.8	180.4	22,200	36.2	188.1	20,900	183
185	17.9	147.5	22,300	25.1	165.4	23,000	30.5	177.2	21,800	35.0	185.4	20,600	185
188	13.7	135.4	21,600	22.4	158.1	22,400	28.4	171.6	21,200	33.2	180.7	20,000	188
190	10.9	127.4	21,200	20.7	153.3	22,100	27.0	167.9	20,900	32.0	177.7	19,700	190
192	6.2	113.4	19,300	18.4	146.9	21,700	25.3	163.5	20,500	30.6	174.2	19,300	192
195				15.0	137.3	21,100	22.9	157.0	20,000	28.6	169.0	18,800	195
200				4.7	107.2	20,200	18.0	143.2	19,100	24.8	158.8	18,000	200
205							11.0	123.3	18,300	20.3	146.5	17,300	205
207							6.3	109.5	18,000	17.9	139.9	17,000	207
210										14.5	130.1	16,500	210
215										2.2	94.0	15,700	215

# MLC250 S-3

ASME B30.5



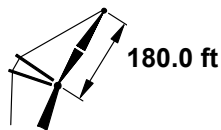
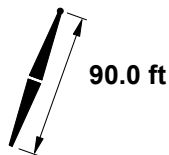
	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
56	75.7	272.2	62,100							56
60	74.4	271.1	61,700							60
65	72.8	269.6	61,200	73.8	270.3	70,000				65
70	71.1	267.9	60,600	72.1	268.7	69,500				70
75	69.4	266.1	60,100	70.4	267.0	69,100				75
78	68.3	264.9	59,800	69.4	265.9	68,800	71.0	267.0	66,900	78
80	67.7	264.1	59,500	68.7	265.1	68,600	70.3	266.3	66,800	80
85	65.9	261.9	58,900	67.0	263.0	67,000	68.6	264.4	66,600	85
90	64.2	259.5	57,500	65.3	260.8	63,800	66.9	262.3	66,300	90
92	63.4	258.5	56,300	64.6	259.8	61,800	66.2	261.4	64,900	92
95	62.4	256.9	54,400	63.5	258.3	58,800	65.2	260.0	62,700	95
100	60.6	254.2	51,600	61.7	255.7	54,400	63.4	257.6	58,500	100
105	58.7	251.2	48,300	59.9	252.8	50,600	61.6	254.9	54,200	105
110	56.8	248.0	45,100	58.0	249.8	47,100	59.8	252.1	50,300	110
114	55.3	245.2	42,800	56.5	247.1	44,600	58.3	249.6	47,600	114
115	54.9	244.5	42,200	56.1	246.5	44,000	57.9	249.0	46,900	115
120	52.9	240.8	39,500	54.2	242.9	41,200	56.0	245.7	43,800	120
125	50.9	236.9	37,100	52.2	239.1	38,600	54.0	242.1	41,000	125
130	48.8	232.6	34,900	50.1	235.1	36,300	52.0	238.3	38,400	130
135	46.6	228.0	32,900	48.0	230.6	34,200	50.0	234.2	36,100	135
140	44.4	223.0	31,100	45.8	225.9	32,200	47.8	229.8	34,000	140
145	42.0	217.6	29,300	43.5	220.8	30,400	45.6	225.0	32,000	145
150	39.6	211.7	27,700	41.1	215.2	28,700	43.3	219.8	30,200	150
155	37.0	205.2	26,300	38.6	209.1	27,200	41.0	214.2	28,600	155
160	34.2	198.1	24,900	36.0	202.4	25,700	38.4	208.1	27,000	160
165	31.2	190.2	23,600	33.1	195.1	24,400	35.8	201.4	25,600	165
170	28.0	181.3	22,400	30.0	186.8	23,100	32.9	194.0	24,300	170
175	24.3	170.9	21,300	26.6	177.4	21,900	29.8	185.6	23,000	175
180	20.0	158.3	20,200	22.8	166.3	20,800	26.4	176.1	21,800	180
185	14.5	141.8	18,200	18.1	152.6	19,800	22.5	164.9	20,700	185
190	4.2	110.0	13,100	11.8	133.3	17,500	17.8	151.0	19,700	190
193				4.8	111.6	14,100	13.9	139.0	18,800	193
195							11.2	131.1	18,200	195
198							3.2	105.9	14,500	198
200										200
202										202
205										205
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215										215
217										217
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225										225

# MLC250 S-3

ASME B30.5



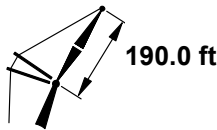
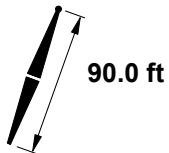
219,600 lb  
+  
80,000 lb



	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
56													56
60													60
65													65
70													70
75													75
78													78
80													80
85													85
90													90
92	67.8	262.6	63,700										92
95	66.8	261.3	61,000										95
100	65.0	259.1	57,000										100
105	63.3	256.6	53,500										105
110	61.5	253.9	50,300										110
114	60.0	251.6	47,900	62.8	254.0	45,700							114
115	59.6	251.1	47,300	62.4	253.5	45,100							115
120	57.8	248.0	44,700	60.6	250.7	42,600							120
125	55.8	244.6	42,300	58.7	247.7	40,300							125
130	53.9	241.1	40,100	56.8	244.5	38,100							130
135	51.9	237.2	38,000	54.9	241.1	36,200	57.8	243.6	34,300				135
140	49.8	233.1	36,000	52.9	237.4	34,300	55.9	240.2	32,600				140
145	47.7	228.6	33,800	50.9	233.4	32,700	53.9	236.7	31,000				145
150	45.5	223.8	31,900	48.8	229.1	31,100	51.9	232.8	29,500				150
155	43.2	218.6	30,100	46.6	224.5	29,600	49.8	228.7	28,100	52.8	231.3	26,500	155
160	40.8	213.0	28,400	44.4	219.5	28,300	47.7	224.2	26,800	50.7	227.3	25,300	160
165	38.3	206.9	26,900	42.1	214.1	27,000	45.5	219.5	25,500	48.6	223.0	24,100	165
170	35.6	200.1	25,500	39.6	208.3	25,800	43.2	214.3	24,400	46.5	218.4	23,000	170
175	32.7	192.6	24,100	37.0	201.8	24,700	40.8	208.6	23,300	44.2	213.4	22,000	175
180	29.6	184.2	22,900	34.2	194.7	23,600	38.3	202.5	22,300	41.9	208.0	21,000	180
185	26.1	174.6	21,700	31.3	186.8	22,600	35.6	195.7	21,300	39.4	202.0	20,100	185
190	22.2	163.2	20,600	28.0	177.9	21,700	32.7	188.3	20,400	36.8	195.6	19,200	190
193	19.3	154.7	20,000	25.8	171.7	21,100	30.9	183.2	19,900	35.1	191.3	18,700	193
195	17.4	149.0	19,600	24.3	167.5	20,700	29.6	179.9	19,500	34.0	188.4	18,400	195
198	13.3	136.6	19,000	21.8	160.0	20,200	27.6	174.1	19,000	32.2	183.6	17,900	198
200	10.6	128.3	18,600	20.1	155.0	19,900	26.2	170.2	18,700	31.0	180.5	17,600	200
202	6.0	113.9	16,900	17.9	148.5	19,500	24.6	165.7	18,400	29.7	176.8	17,300	202
205				14.6	138.6	19,000	22.2	158.9	17,900	27.7	171.4	16,800	205
210				4.6	107.6	17,900	17.5	144.7	17,200	24.0	160.9	16,100	210
215							10.7	124.2	16,400	19.7	148.2	15,400	215
217							6.2	110.0	16,100	17.4	141.4	15,100	217
220										14.1	131.3	14,700	220
225										2.1	94.2	14,000	225

# MLC250 S-3

ASME B30.5

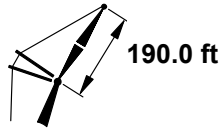
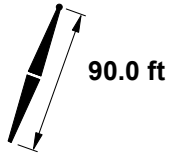
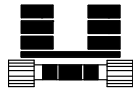


	88°			86°			83°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
58	75.9	282.0	55,900						58	
60	75.3	281.5	55,700						60	
65	73.7	280.0	55,200						65	
68	72.7	279.1	54,900	73.7	279.8	62,800			68	
70	72.1	278.5	54,700	73.1	279.2	62,600			70	
75	70.5	276.7	54,100	71.5	277.6	62,100			75	
80	68.9	274.8	53,700	69.9	275.8	61,600			80	
82	68.2	274.0	53,500	69.3	275.0	61,400	70.8	276.2	59,800	82
85	67.3	272.8	53,200	68.3	273.9	61,100	69.8	275.1	59,700	85
90	65.6	270.6	52,700	66.7	271.7	60,600	68.2	273.2	59,400	90
95	64.0	268.2	52,300	65.0	269.5	58,500	66.6	271.0	59,000	95
96	63.6	267.7	51,800	64.7	269.0	57,700	66.2	270.6	58,900	96
100	62.3	265.6	49,700	63.3	267.0	54,200	64.9	268.7	58,300	100
105	60.5	262.8	47,200	61.6	264.3	50,300	63.2	266.3	53,900	105
110	58.8	259.9	44,800	59.9	261.5	46,800	61.5	263.6	50,100	110
115	57.0	256.7	41,900	58.1	258.4	43,700	59.8	260.7	46,600	115
118	55.9	254.6	40,300	57.0	256.5	42,000	58.7	258.9	44,700	118
120	55.2	253.3	39,300	56.3	255.2	40,900	58.0	257.7	43,500	120
125	53.3	249.6	36,800	54.5	251.7	38,300	56.2	254.4	40,700	125
130	51.4	245.7	34,600	52.6	247.9	36,000	54.4	250.9	38,200	130
135	49.4	241.5	32,600	50.7	243.9	33,900	52.5	247.1	35,800	135
140	47.4	237.0	30,800	48.7	239.6	31,900	50.5	243.1	33,700	140
145	45.3	232.1	29,000	46.6	235.0	30,100	48.5	238.7	31,800	145
150	43.1	226.9	27,400	44.5	230.0	28,400	46.5	234.1	30,000	150
155	40.8	221.3	26,000	42.3	224.6	26,900	44.3	229.1	28,300	155
160	38.5	215.2	24,600	40.0	218.8	25,400	42.1	223.7	26,700	160
161	37.9	213.8	24,300	39.5	217.6	25,100	41.7	222.5	26,500	161
165	35.9	208.5	23,300	37.5	212.5	24,100	39.8	217.9	25,300	165
170	33.3	201.1	22,100	35.0	205.6	22,800	37.4	211.5	24,000	170
175	30.4	192.9	21,000	32.2	197.9	21,600	34.8	204.6	22,700	175
180	27.2	183.7	19,900	29.2	189.4	20,500	32.0	196.9	21,500	180
185	23.6	173.0	18,900	25.9	179.6	19,500	29.0	188.2	20,400	185
190	19.4	160.0	18,000	22.1	168.2	18,500	25.7	178.4	19,400	190
195	14.1	143.0	16,100	17.6	154.1	17,600	21.9	166.8	18,400	195
200	4.1	110.3	11,400	11.5	134.3	15,400	17.3	152.5	17,500	200
203				4.7	112.0	12,300	13.5	140.2	16,700	203
205							10.9	132.0	16,200	205
208							3.1	106.1	12,700	208
210										210
212										212
215										215
220										220
227										227
230										230
235										235



# MLC250 S-3

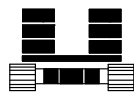
ASME B30.5



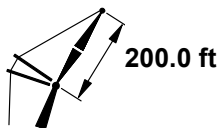
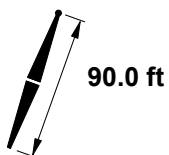
	80°			75°			70°			65°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
58													58
60													60
65													65
68													68
70													70
75													75
80													80
82													82
85													85
90													90
95													95
96	67.7	271.8	60,000										96
100	66.4	270.1	56,800										100
105	64.8	267.8	53,200										105
110	63.1	265.3	50,000										110
115	61.4	262.6	47,100										115
118	60.3	260.9	45,500	63.0	263.2	43,300							118
120	59.6	259.7	44,500	62.3	262.1	42,400							120
125	57.9	256.6	42,100	60.6	259.4	40,000							125
130	56.1	253.3	39,800	58.8	256.4	37,900							130
135	54.2	249.8	37,800	57.0	253.2	35,900							135
140	52.3	246.0	35,700	55.2	249.8	34,100	57.9	252.2	32,400				140
145	50.4	242.0	33,600	53.3	246.1	32,400	56.1	248.9	30,800				145
150	48.4	237.6	31,600	51.4	242.2	30,900	54.2	245.4	29,300				150
155	46.3	232.9	29,800	49.4	238.0	29,400	52.3	241.6	27,900				155
160	44.2	227.9	28,200	47.4	233.5	28,100	50.4	237.6	26,600				160
161	43.7	226.8	27,800	47.0	232.6	27,800	50.0	236.7	26,300	52.8	239.3	24,800	161
165	42.0	222.5	26,600	45.3	228.7	26,800	48.4	233.2	25,300	51.3	236.2	23,900	165
170	39.6	216.6	25,200	43.1	223.5	25,600	46.3	228.6	24,200	49.3	232.0	22,800	170
175	37.2	210.2	23,800	40.9	217.9	24,500	44.2	223.5	23,100	47.3	227.4	21,800	175
180	34.6	203.2	22,600	38.5	211.8	23,400	42.0	218.1	22,100	45.2	222.6	20,800	180
185	31.8	195.5	21,400	36.0	205.1	22,400	39.7	212.2	21,100	43.0	217.3	19,900	185
190	28.8	186.8	20,300	33.3	197.7	21,500	37.2	205.9	20,200	40.7	211.7	19,000	190
195	25.4	176.8	19,300	30.4	189.6	20,600	34.6	198.9	19,400	38.3	205.5	18,200	195
200	21.6	165.1	18,300	27.2	180.3	19,700	31.8	191.1	18,500	35.8	198.8	17,400	200
203	18.8	156.3	17,800	25.1	173.9	19,100	30.0	185.9	18,100	34.1	194.4	16,900	203
205	16.9	150.5	17,400	23.7	169.6	18,700	28.8	182.4	17,700	33.1	191.4	16,600	205
208	13.0	137.7	16,900	21.2	161.9	18,200	26.8	176.5	17,300	31.3	186.4	16,200	208
210	10.3	129.2	16,500	19.5	156.7	17,800	25.5	172.5	17,000	30.2	183.2	15,900	210
212	5.8	114.4	15,000	17.4	150.0	17,400	23.9	167.8	16,700	28.9	179.4	15,600	212
215				14.2	139.8	16,900	21.6	160.8	16,300	27.0	173.8	15,200	215
220				4.4	107.9	16,000	17.0	146.2	15,600	23.4	163.0	14,600	220
227							6.0	110.5	14,600	16.6	141.6	13,700	227
230										13.7	132.4	13,300	230
235										2.0	94.3	12,700	235

# MLC250 S-3

ASME B30.5



219,600 lb  
+  
80,000 lb



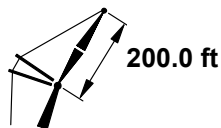
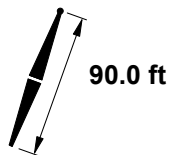
	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
60	76.0	291.8	49,900							60
65	74.5	290.5	49,400							65
70	73.0	289.0	48,900	74.0	289.7	56,000				70
75	71.5	287.3	48,400	72.5	288.1	55,400				75
80	70.0	285.6	47,900	71.0	286.4	54,900				80
85	68.5	283.6	47,400	69.4	284.6	54,400	70.9	285.8	53,100	85
90	66.9	281.5	46,900	67.9	282.6	53,900	69.3	283.9	52,800	90
95	65.3	279.3	46,500	66.3	280.5	53,400	67.8	281.9	52,400	95
99	64.1	277.3	46,100	65.1	278.6	53,100	66.5	280.2	52,100	99
100	63.8	276.9	46,000	64.8	278.2	53,000	66.2	279.8	52,000	100
105	62.1	274.3	45,600	63.2	275.7	50,500	64.7	277.4	51,700	105
110	60.5	271.5	43,600	61.5	273.0	46,900	63.1	274.9	50,300	110
115	58.8	268.5	41,500	59.9	270.2	43,700	61.4	272.3	46,700	115
120	57.1	265.3	39,200	58.2	267.1	40,900	59.8	269.4	43,600	120
123	56.1	263.3	37,700	57.2	265.2	39,300	58.8	267.6	41,800	123
125	55.4	262.0	36,700	56.5	263.9	38,300	58.1	266.3	40,700	125
130	53.6	258.4	34,500	54.8	260.4	35,900	56.4	263.1	38,100	130
135	51.8	254.5	32,400	53.0	256.7	33,700	54.6	259.6	35,700	135
140	50.0	250.4	30,500	51.1	252.7	31,700	52.9	255.9	33,600	140
145	48.1	246.0	28,800	49.3	248.5	29,800	51.0	251.9	31,600	145
150	46.1	241.3	27,200	47.3	244.0	28,100	49.2	247.7	29,700	150
155	44.1	236.2	25,600	45.4	239.2	26,600	47.2	243.1	28,000	155
160	42.0	230.8	24,200	43.3	234.0	25,100	45.2	238.3	26,500	160
165	39.7	224.9	22,900	41.1	228.4	23,700	43.2	233.1	25,000	165
167	38.8	222.4	22,400	40.2	226.0	23,200	42.3	230.8	24,400	167
170	37.4	218.6	21,700	38.9	222.4	22,400	41.0	227.5	23,600	170
175	35.0	211.7	20,600	36.5	215.8	21,300	38.7	221.4	22,300	175
180	32.4	204.0	19,500	34.0	208.7	20,100	36.4	214.8	21,200	180
185	29.6	195.6	18,500	31.4	200.8	19,100	33.9	207.6	20,000	185
190	26.5	186.0	17,500	28.4	191.9	18,100	31.2	199.6	19,000	190
195	23.0	175.0	16,600	25.2	181.9	17,200	28.2	190.8	18,000	195
200	18.9	161.7	15,800	21.6	170.1	16,300	25.0	180.6	17,100	200
205	13.7	144.2	13,900	17.2	155.6	15,400	21.3	168.7	16,200	205
210	4.0	110.6	9,600	11.2	135.2	13,400	16.8	153.9	15,300	210
213				4.5	112.3	10,500	13.1	141.3	14,600	213
215							10.6	132.9	14,100	215
218							3.0	106.3	10,900	218
220										220
222										222
225										225
230										230
235										235
237										237
240										240
245										245

# MLC250 S-3

ASME B30.5



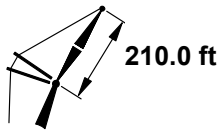
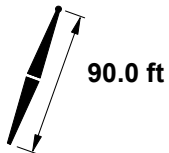
219,600 lb  
+  
80,000 lb



	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
60													60
65													65
70													70
75													75
80													80
85													85
90													90
95													95
99	68.0	281.4	55,600										99
100	67.7	281.0	55,600										100
105	66.1	278.8	52,800										105
110	64.5	276.4	49,600										110
115	62.9	273.9	46,700										115
120	61.3	271.3	44,000										120
123	60.3	269.5	42,600	62.8	271.8	40,400							123
125	59.7	268.4	41,600	62.2	270.8	39,500							125
130	58.0	265.3	39,400	60.5	268.0	37,400							130
135	56.3	262.0	37,400	58.9	265.1	35,500							135
140	54.5	258.5	35,500	57.2	261.9	33,600							140
145	52.7	254.8	33,400	55.4	258.5	32,000	58.0	260.9	30,200				145
150	50.9	250.8	31,400	53.7	254.9	30,400	56.3	257.6	28,700				150
155	49.0	246.6	29,600	51.9	251.0	29,000	54.5	254.1	27,400				155
160	47.1	242.0	27,900	50.0	246.9	27,600	52.7	250.4	26,100				160
165	45.1	237.1	26,300	48.1	242.5	26,300	50.9	246.4	24,800				165
167	44.2	235.0	25,700	47.3	240.6	25,900	50.2	244.7	24,400	52.8	247.3	22,900	167
170	43.0	231.9	24,900	46.1	237.8	25,100	49.0	242.2	23,700	51.7	245.0	22,300	170
175	40.8	226.2	23,500	44.1	232.8	24,000	47.1	237.6	22,600	49.9	240.9	21,200	175
180	38.6	220.1	22,200	42.0	227.4	23,000	45.1	232.7	21,600	48.0	236.4	20,300	180
185	36.2	213.5	21,000	39.8	221.5	22,000	43.0	227.5	20,600	46.0	231.7	19,400	185
190	33.7	206.2	19,900	37.5	215.2	21,000	40.9	221.9	19,700	43.9	226.6	18,500	190
195	31.0	198.2	18,900	35.0	208.3	20,100	38.6	215.8	18,900	41.8	221.2	17,700	195
200	28.0	189.3	17,900	32.4	200.7	19,300	36.2	209.1	18,100	39.6	215.3	16,900	200
205	24.8	179.0	17,000	29.6	192.2	18,300	33.7	201.9	17,300	37.3	208.9	16,100	205
210	21.0	167.0	16,100	26.5	182.7	17,400	31.0	193.9	16,600	34.8	201.9	15,400	210
213	18.3	157.9	15,600	24.4	176.1	16,800	29.2	188.5	16,100	33.2	197.3	15,000	213
215	16.5	151.9	15,200	23.1	171.7	16,500	28.1	184.9	15,900	32.2	194.3	14,800	215
218	12.6	138.8	14,800	20.6	163.7	15,900	26.1	178.8	15,400	30.5	189.2	14,400	218
220	10.1	130.1	14,500	19.0	158.4	15,600	24.8	174.7	15,200	29.4	185.8	14,100	220
222	5.7	114.8	13,000	16.9	151.4	15,300	23.3	169.9	14,900	28.1	181.9	13,900	222
225				13.8	141.0	14,800	21.1	162.7	14,500	26.3	176.1	13,500	225
230				4.3	108.3	13,900	16.5	147.6	13,900	22.8	165.0	12,900	230
235							10.1	125.9	13,300	18.6	151.5	12,300	235
237							5.8	110.9	13,000	16.5	144.3	12,100	237
240										13.3	133.6	11,800	240
245										2.0	94.4	11,100	245

# MLC250 S-3

ASME B30.5



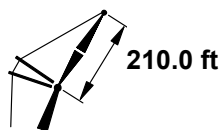
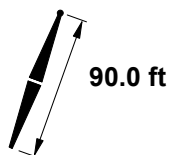
ft	88°			86°			83°			ft
	ft	lb	ft	ft	lb	ft	lb	ft		
63	75.8	301.4	45,000						63	
65	75.3	300.8	44,800						65	
70	73.9	299.4	44,300						70	
73	73.0	298.5	44,000	73.9	299.2	50,300			73	
75	72.4	297.9	43,800	73.3	298.6	50,200			75	
80	71.0	296.2	43,300	71.9	297.0	49,600			80	
85	69.5	294.4	42,800	70.5	295.3	49,100			85	
88	68.7	293.2	42,500	69.6	294.1	48,800	70.9	295.3	47,700	88
90	68.1	292.4	42,300	69.0	293.4	48,600	70.4	294.6	47,500	90
95	66.6	290.3	41,900	67.5	291.4	48,100	68.9	292.7	47,200	95
100	65.1	288.0	41,400	66.0	289.2	47,600	67.4	290.7	46,800	100
103	64.2	286.5	41,200	65.1	287.8	47,400	66.5	289.3	46,600	103
105	63.6	285.5	41,000	64.5	286.8	47,200	65.9	288.5	46,400	105
110	62.0	282.9	40,600	63.0	284.3	46,500	64.4	286.1	46,000	110
115	60.5	280.1	40,100	61.5	281.7	43,300	62.9	283.6	45,700	115
120	58.9	277.2	38,300	59.9	278.8	40,400	61.4	280.9	43,100	120
125	57.3	274.0	36,300	58.3	275.8	37,800	59.8	278.1	40,200	125
127	56.6	272.7	35,400	57.6	274.5	36,800	59.1	276.8	39,200	127
130	55.6	270.7	34,000	56.7	272.6	35,400	58.2	275.0	37,600	130
135	54.0	267.1	32,000	55.0	269.1	33,200	56.6	271.8	35,300	135
140	52.2	263.3	30,100	53.3	265.5	31,200	54.9	268.3	33,100	140
145	50.5	259.2	28,300	51.6	261.6	29,400	53.2	264.6	31,100	145
150	48.7	254.9	26,700	49.8	257.4	27,700	51.5	260.7	29,300	150
151	48.3	254.0	26,400	49.5	256.5	27,400	51.1	259.9	28,900	151
155	46.8	250.3	25,200	48.0	253.0	26,100	49.7	256.6	27,600	155
160	44.9	245.4	23,800	46.1	248.3	24,600	47.9	252.1	26,000	160
165	42.9	240.2	22,500	44.2	243.3	23,300	46.0	247.4	24,500	165
170	40.9	234.5	21,200	42.2	237.9	22,000	44.1	242.4	23,200	170
173	39.6	230.9	20,500	40.9	234.4	21,300	42.9	239.1	22,400	173
175	38.7	228.5	20,100	40.1	232.1	20,800	42.1	236.9	21,900	175
180	36.5	221.9	19,000	37.9	225.8	19,700	40.0	231.1	20,700	180
185	34.1	214.7	18,000	35.6	219.0	18,600	37.8	224.8	19,600	185
190	31.6	206.9	17,000	33.2	211.6	17,600	35.5	218.0	18,500	190
195	28.8	198.2	16,100	30.6	203.5	16,700	33.0	210.6	17,500	195
200	25.8	188.3	15,300	27.7	194.4	15,800	30.4	202.4	16,600	200
210	18.5	163.3	13,700	21.0	172.0	14,200	24.4	182.8	14,900	210
220	3.9	110.9	7,900	10.9	136.1	11,500	16.4	155.4	13,300	220
223				4.4	112.7	8,800	11.3	137.1	11,800	223
228							2.9	106.5	9,200	228
230										230
232										232
240										240
247										247
250										250
255										255

# MLC250 S-3

ASME B30.5



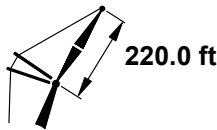
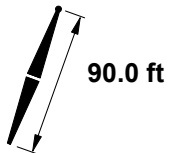
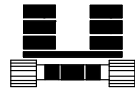
219,600 lb  
+  
80,000 lb



	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
63													63
65													65
70													70
73													73
75													75
80													80
85													85
88													88
90													90
95													95
100													100
103	67.9	290.5	49,800										103
105	67.3	289.7	49,700										105
110	65.8	287.5	49,200										110
115	64.3	285.1	46,300										115
120	62.8	282.6	43,700										120
125	61.3	279.9	41,200										125
127	60.6	278.8	40,400	63.0	281.0	38,300							127
130	59.7	277.0	39,000	62.1	279.5	37,000							130
135	58.1	274.0	37,000	60.5	276.7	35,100							135
140	56.4	270.7	35,100	58.9	273.7	33,300							140
145	54.8	267.2	32,900	57.3	270.6	31,600							145
150	53.1	263.6	31,000	55.7	267.2	30,000							150
151	52.7	262.8	30,600	55.3	266.5	29,700	57.8	268.9	28,100				151
155	51.4	259.6	29,100	54.0	263.6	28,600	56.5	266.3	27,000				155
160	49.6	255.5	27,400	52.3	259.8	27,200	54.8	262.8	25,700				160
165	47.8	251.0	25,900	50.5	255.8	26,000	53.1	259.2	24,400				165
170	45.9	246.3	24,400	48.7	251.5	24,800	51.4	255.2	23,300				170
173	44.7	243.2	23,600	47.6	248.7	24,100	50.3	252.7	22,700	52.8	255.3	21,300	173
175	43.9	241.2	23,000	46.9	246.9	23,700	49.6	251.1	22,200	52.1	253.8	20,800	175
180	41.9	235.7	21,800	45.0	242.0	22,600	47.8	246.6	21,200	50.4	249.7	19,900	180
185	39.8	229.9	20,600	43.0	236.7	21,600	45.9	241.9	20,300	48.6	245.4	19,000	185
190	37.6	223.6	19,500	40.9	231.1	20,700	43.9	236.8	19,400	46.7	240.8	18,100	190
195	35.3	216.7	18,400	38.8	225.0	19,800	41.9	231.3	18,500	44.8	235.9	17,300	195
200	32.8	209.2	17,400	36.5	218.5	18,900	39.8	225.5	17,700	42.8	230.6	16,500	200
210	27.3	191.7	15,600	31.6	203.5	16,900	35.3	212.3	16,200	38.6	218.8	15,100	210
220	20.5	168.8	14,000	25.9	185.0	15,100	30.2	196.6	14,800	34.0	205.0	13,800	220
223	17.3	157.4	13,500	23.7	177.5	14,700	28.4	190.7	14,400	32.4	200.0	13,400	223
228	11.9	138.5	12,800	20.0	165.0	13,900	25.4	180.8	13,800	29.7	191.7	12,800	228
230	9.8	130.9	12,500	18.5	160.0	13,500	24.2	176.8	13,600	28.6	188.3	12,500	230
232	5.5	115.3	11,200	15.7	149.7	13,300	22.6	171.3	13,300	27.4	184.0	12,300	232
240				4.2	108.6	12,100	16.1	149.0	12,400	22.2	166.9	11,400	240
247							5.7	111.4	11,600	15.7	144.4	10,700	247
250										13.0	134.7	10,400	250
255										1.9	94.6	9,800	255

# MLC250 S-3

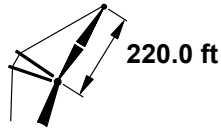
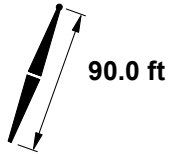
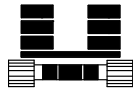
ASME B30.5



	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
65	76.0	311.2	40,600							65
70	74.6	309.8	40,100							70
75	73.3	308.4	39,700							75
76	73.0	308.0	39,600	73.8	308.8	45,300				76
80	71.9	306.8	39,200	72.8	307.5	44,900				80
85	70.5	305.0	38,700	71.4	305.9	44,400				85
90	69.1	303.1	38,200	70.0	304.1	43,900				90
91	68.8	302.7	38,100	69.7	303.7	43,800	71.0	304.9	42,800	91
95	67.7	301.1	37,800	68.6	302.2	43,400	69.9	303.4	42,500	95
100	66.3	299.0	37,300	67.2	300.1	42,900	68.5	301.5	42,100	100
105	64.9	296.7	36,900	65.8	297.9	42,400	67.1	299.4	41,700	105
107	64.3	295.7	36,700	65.2	296.9	42,300	66.5	298.5	41,600	107
110	63.4	294.2	36,500	64.3	295.5	42,000	65.7	297.2	41,300	110
115	61.9	291.6	36,100	62.9	293.0	41,200	64.2	294.8	41,000	115
120	60.5	288.8	35,700	61.4	290.3	39,400	62.8	292.3	40,600	120
125	58.9	285.8	35,300	59.9	287.5	37,300	61.3	289.6	39,600	125
130	57.4	282.7	33,500	58.4	284.5	34,900	59.8	286.7	37,100	130
132	56.8	281.4	32,700	57.8	283.2	34,000	59.2	285.5	36,200	132
135	55.8	279.4	31,400	56.8	281.2	32,700	58.3	283.7	34,700	135
140	54.2	275.8	29,500	55.2	277.8	30,700	56.7	280.5	32,600	140
145	52.6	272.1	27,800	53.6	274.2	28,900	55.1	277.0	30,600	145
150	51.0	268.1	26,200	52.0	270.4	27,200	53.5	273.4	28,700	150
155	49.2	263.9	24,600	50.3	266.3	25,600	51.9	269.5	27,000	155
156	48.9	263.0	24,400	50.0	265.4	25,300	51.6	268.7	26,700	156
160	47.5	259.4	23,200	48.6	262.0	24,100	50.2	265.5	25,500	160
165	45.7	254.6	21,900	46.8	257.4	22,700	48.5	261.1	24,000	165
170	43.8	249.5	20,700	45.0	252.5	21,400	46.7	256.5	22,600	170
175	41.9	244.0	19,500	43.1	247.2	20,200	44.9	251.6	21,400	175
179	40.3	239.3	18,700	41.6	242.8	19,300	43.4	247.4	20,400	179
180	39.9	238.2	18,500	41.2	241.6	19,100	43.0	246.3	20,200	180
185	37.8	231.9	17,400	39.1	235.6	18,100	41.0	240.7	19,000	185
190	35.6	225.1	16,500	37.0	229.2	17,100	39.0	234.7	18,000	190
195	33.3	217.7	15,600	34.8	222.2	16,100	36.9	228.2	17,000	195
200	30.8	209.6	14,700	32.4	214.5	15,200	34.6	221.1	16,000	200
210	25.2	190.6	13,200	27.1	196.8	13,600	29.7	205.0	14,300	210
220	18.0	164.9	11,800	20.5	173.8	12,100	23.8	184.9	12,800	220
230	3.8	111.2	6,300	10.6	137.0	9,600	16.0	156.8	11,400	230
233				4.3	113.0	7,100	11.1	138.0	9,900	233
238							2.8	106.7	7,500	238
240										240
242										242
250										250
257										257
260										260
265										265

# MLC250 S-3

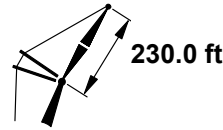
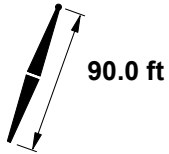
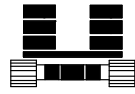
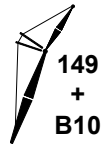
ASME B30.5



	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
65													65
70													70
75													75
76													76
80													80
85													85
90													90
91													91
95													95
100													100
105													105
107	67.9	299.7	44,500										107
110	67.0	298.4	44,400										110
115	65.6	296.2	44,100										115
120	64.1	293.8	43,100										120
125	62.7	291.3	40,800										125
130	61.2	288.6	38,600										130
132	60.6	287.4	37,800	62.9	289.7	35,700							132
135	59.7	285.7	36,500	62.0	288.1	34,600							135
140	58.2	282.6	34,600	60.5	285.3	32,800							140
145	56.6	279.4	32,400	59.0	282.4	31,100							145
150	55.0	276.0	30,400	57.4	279.2	29,600							150
155	53.4	272.3	28,600	55.9	275.9	28,100							155
156	53.1	271.5	28,300	55.5	275.2	27,800	57.9	277.6	26,200				156
160	51.8	268.4	26,900	54.3	272.4	26,800	56.6	275.0	25,200				160
165	50.1	264.3	25,300	52.6	268.6	25,500	55.1	271.6	23,900				165
170	48.4	260.0	23,900	51.0	264.6	24,300	53.4	267.9	22,800				170
175	46.6	255.3	22,500	49.3	260.4	23,200	51.8	264.0	21,700				175
179	45.1	251.4	21,500	47.9	256.8	22,400	50.4	260.8	20,900	52.8	263.3	19,600	179
180	44.8	250.4	21,200	47.5	255.9	22,100	50.1	259.9	20,700	52.5	262.6	19,400	180
185	42.9	245.1	20,100	45.7	251.1	21,200	48.4	255.6	19,800	50.8	258.6	18,500	185
190	40.9	239.5	18,900	43.9	246.0	20,200	46.6	250.9	18,900	49.1	254.3	17,600	190
195	38.9	233.4	17,900	41.9	240.6	19,300	44.8	246.0	18,000	47.4	249.8	16,800	195
200	36.7	226.9	16,900	39.9	234.8	18,400	42.9	240.7	17,200	45.6	245.0	16,000	200
210	32.1	212.1	15,100	35.7	221.7	16,400	38.9	229.0	15,700	41.8	234.4	14,600	210
220	26.7	194.1	13,400	30.9	206.2	14,600	34.5	215.4	14,400	37.7	222.2	13,300	220
230	20.0	170.5	12,000	25.3	187.2	13,000	29.5	199.2	13,100	33.1	208.0	12,100	230
233	16.9	158.9	11,600	23.1	179.5	12,600	27.7	193.1	12,800	31.6	202.8	11,700	233
238	11.7	139.5	10,900	19.5	166.7	11,900	24.8	183.0	12,200	29.0	194.2	11,200	238
240	9.6	131.7	10,700	18.1	161.6	11,600	23.6	178.9	12,000	28.0	190.8	11,000	240
242	5.4	115.7	9,400	15.3	151.1	11,300	22.0	173.2	11,800	26.7	186.4	10,800	242
250				4.1	108.9	10,200	15.7	150.4	10,900	21.7	168.8	10,000	250
257							5.5	111.9	10,100	15.4	145.7	9,300	257
260										12.7	135.8	9,000	260
265										1.9	94.7	8,500	265

# MLC250 S-3

ASME B30.5

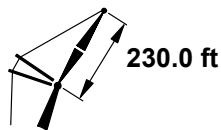
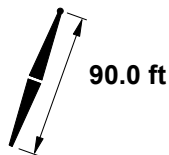
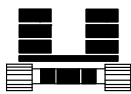


	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
68	75.8	320.7	37,500							68
70	75.3	320.2	37,400							70
75	74.0	318.8	36,900							75
79	73.0	317.6	36,600	73.8	318.3	42,100				79
80	72.7	317.3	36,500	73.5	318.0	42,000				80
85	71.4	315.6	36,100	72.2	316.4	41,600				85
90	70.1	313.8	35,700	70.9	314.7	41,200				90
95	68.7	311.9	35,300	69.6	312.9	40,700	70.8	314.0	40,100	95
100	67.4	309.9	34,900	68.2	310.9	40,300	69.5	312.2	39,800	100
105	66.0	307.7	34,500	66.9	308.8	39,900	68.2	310.2	39,500	105
110	64.7	305.4	34,100	65.5	306.6	39,500	66.8	308.1	39,100	110
111	64.4	304.9	34,100	65.2	306.1	39,400	66.5	307.7	39,100	111
115	63.3	302.9	33,800	64.1	304.2	39,100	65.4	305.9	38,800	115
120	61.9	300.3	33,400	62.7	301.7	38,700	64.1	303.5	38,500	120
125	60.4	297.5	33,100	61.3	299.0	38,800	62.7	300.9	38,200	125
130	59.0	294.5	32,000	59.9	296.1	34,500	61.2	298.2	36,700	130
135	57.5	291.4	30,700	58.4	293.1	32,300	59.8	295.4	34,300	135
136	57.2	290.7	30,400	58.1	292.5	31,900	59.5	294.8	33,900	136
140	56.0	288.1	29,100	57.0	289.9	30,300	58.4	292.3	32,200	140
145	54.5	284.6	27,400	55.5	286.5	28,400	56.9	289.1	30,200	145
150	53.0	280.8	25,700	53.9	282.9	26,700	55.4	285.7	28,300	150
155	51.4	276.9	24,200	52.4	279.2	25,200	53.8	282.1	26,600	155
160	49.7	272.7	22,800	50.8	275.1	23,700	52.3	278.3	25,000	160
161	49.4	271.9	22,600	50.4	274.3	23,400	51.9	277.5	24,800	161
165	48.1	268.3	21,500	49.1	270.9	22,300	50.7	274.3	23,600	165
170	46.4	263.7	20,300	47.5	266.4	21,000	49.0	270.0	22,200	170
175	44.6	258.7	19,100	45.7	261.6	19,800	47.3	265.5	20,900	175
180	42.8	253.4	18,100	44.0	256.5	18,700	45.6	260.7	19,700	180
185	40.9	247.8	17,000	42.1	251.1	17,700	43.8	255.6	18,600	185
190	39.0	241.7	16,100	40.2	245.3	16,700	42.0	250.2	17,600	190
195	36.9	235.2	15,200	38.2	239.1	15,700	40.1	244.4	16,600	195
200	34.8	228.2	14,300	36.2	232.5	14,800	38.1	238.1	15,600	200
210	30.1	212.3	12,700	31.7	217.4	13,200	33.8	224.2	13,900	210
220	24.6	192.7	11,300	26.5	199.1	11,700	29.0	207.6	12,400	220
230	17.6	166.4	10,100	20.1	175.5	10,400	23.3	186.9	11,000	230
235	12.8	147.6	8,300	16.0	159.9	9,800	19.8	174.1	10,300	235
240				10.4	137.9	8,000	15.7	158.1	9,700	240
243				4.2	113.4	5,600	10.8	138.9	8,300	243
248							2.7	107.0	6,000	248
250										250
252										252
260										260
267										267
270										270
275										275



# MLC250 S-3

ASME B30.5



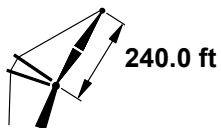
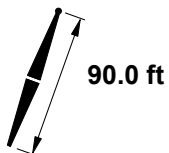
	80°			75°			70°			65°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
68													68
70													70
75													75
79													79
80													80
85													85
90													90
95													95
100													100
105													105
110													110
111	67.8	308.9	42,100										111
115	66.7	307.2	41,900										115
120	65.3	304.9	41,700										120
125	64.0	302.5	40,500										125
130	62.6	299.9	38,300										130
135	61.1	297.2	36,200										135
136	60.9	296.7	35,800	63.0	298.9	33,900							136
140	59.7	294.4	34,200	61.9	296.8	32,500							140
145	58.2	291.3	32,000	60.5	294.0	30,800							145
150	56.8	288.1	30,000	59.0	291.0	29,200							150
155	55.3	284.7	28,200	57.5	287.9	27,800							155
160	53.7	281.1	26,500	56.1	284.6	26,400							160
161	53.4	280.3	26,200	55.7	283.9	26,200	58.0	286.3	24,600				161
165	52.2	277.2	24,900	54.5	281.1	25,200	56.8	283.7	23,600				165
170	50.6	273.2	23,500	53.0	277.4	24,000	55.3	280.3	22,500				170
175	48.9	268.9	22,100	51.4	273.5	22,900	53.7	276.7	21,400				175
180	47.2	264.4	20,800	49.8	269.3	21,800	52.2	272.8	20,400				180
185	45.5	259.5	19,600	48.1	264.9	20,900	50.6	268.8	19,500	52.9	271.3	18,100	185
190	43.7	254.4	18,500	46.4	260.2	19,900	48.9	264.5	18,600	51.3	267.4	17,300	190
195	41.9	249.0	17,500	44.7	255.3	19,000	47.2	260.0	17,700	49.6	263.2	16,500	195
200	40.0	243.1	16,500	42.8	250.0	18,000	45.5	255.2	16,900	48.0	258.8	15,700	200
210	35.9	230.1	14,700	39.0	238.3	16,000	41.9	244.6	15,400	44.5	249.1	14,300	210
220	31.3	214.9	13,000	34.8	224.8	14,200	38.0	232.5	14,100	40.8	238.1	13,000	220
230	26.1	196.4	11,600	30.2	208.9	12,600	33.7	218.5	12,800	36.8	225.6	11,800	230
235	23.0	185.3	10,900	27.5	199.7	11,900	31.3	210.5	12,300	34.7	218.5	11,200	235
240	19.6	172.2	10,200	24.7	189.4	11,200	28.8	201.8	11,700	32.4	210.9	10,700	240
243	16.5	160.3	9,900	22.6	181.5	10,800	27.1	195.5	11,400	30.9	205.6	10,400	243
248	11.4	140.5	9,300	19.1	168.4	10,100	24.2	185.1	10,900	28.3	196.8	9,900	248
250	9.4	132.5	9,100	17.7	163.1	9,900	23.1	180.9	10,700	27.3	193.2	9,700	250
252	5.2	116.2	7,800	14.9	152.4	9,600	21.5	175.1	10,400	26.1	188.7	9,500	252
260				4.0	109.2	8,600	15.4	151.8	9,500	21.2	170.7	8,800	260
267							5.4	112.3	8,700	15.0	147.0	8,100	267
270										12.4	136.9	7,900	270
275										1.8	94.8	7,400	275

# MLC250 S-3

ASME B30.5



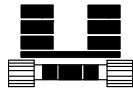
219,600 lb  
+  
80,000 lb



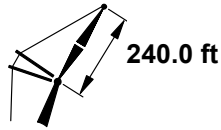
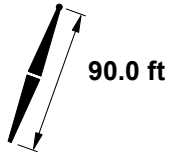
ft	88°			86°			83°			ft
	ft	lb	ft	ft	lb	ft	ft	lb	ft	
70	75.9	330.5	34,000							70
75	74.7	329.2	33,500							75
80	73.5	327.7	33,100							80
81	73.2	327.4	33,100	74.0	328.1	38,000				81
85	72.2	326.2	32,700	73.0	326.9	37,700				85
90	70.9	324.5	32,300	71.7	325.3	37,300				90
95	69.7	322.6	31,900	70.5	323.6	36,900				95
98	68.9	321.5	31,700	69.7	322.4	36,600	70.9	323.6	36,000	98
100	68.4	320.7	31,600	69.2	321.7	36,400	70.4	322.9	35,900	100
105	67.1	318.6	31,200	67.9	319.7	36,000	69.1	321.0	35,600	105
110	65.8	316.4	30,800	66.6	317.6	35,600	67.8	319.0	35,300	110
114	64.7	314.5	30,600	65.6	315.8	35,300	66.8	317.3	35,000	114
115	64.5	314.1	30,500	65.3	315.3	35,300	66.5	316.9	34,900	115
120	63.1	311.6	30,100	64.0	312.9	34,900	65.2	314.6	34,600	120
125	61.8	308.9	29,800	62.6	310.4	34,500	63.9	312.2	34,300	125
130	60.4	306.1	29,500	61.3	307.7	34,000	62.6	309.6	34,000	130
135	59.0	303.2	29,200	59.9	304.8	31,800	61.2	306.9	33,700	135
140	57.6	300.1	28,400	58.5	301.8	29,800	59.8	304.0	31,600	140
141	57.3	299.4	28,100	58.2	301.1	29,400	59.5	303.4	31,200	141
145	56.2	296.8	26,800	57.1	298.6	27,900	58.4	301.0	29,600	145
150	54.7	293.3	25,200	55.7	295.2	26,200	57.0	297.8	27,800	150
155	53.3	289.6	23,700	54.2	291.7	24,600	55.6	294.4	26,100	155
160	51.8	285.7	22,300	52.7	287.9	23,200	54.1	290.9	24,500	160
165	50.2	281.6	21,000	51.2	284.0	21,800	52.6	287.1	23,100	165
167	49.6	279.9	20,500	50.6	282.3	21,300	52.0	285.5	22,500	167
170	48.6	277.3	19,800	49.6	279.8	20,500	51.1	283.1	21,700	170
175	47.0	272.7	18,600	48.0	275.4	19,300	49.5	278.9	20,400	175
180	45.3	267.9	17,500	46.4	270.7	18,200	47.9	274.5	19,200	180
185	43.6	262.7	16,500	44.7	265.7	17,100	46.3	269.8	18,100	185
190	41.9	257.2	15,500	43.0	260.5	16,100	44.6	264.8	17,000	190
191	41.5	256.0	15,400	42.6	259.3	15,900	44.2	263.7	16,900	191
200	38.1	245.2	13,800	39.3	248.9	14,300	41.1	253.9	15,100	200
210	34.0	231.3	12,200	35.4	235.6	12,700	37.3	241.5	13,400	210
220	29.5	215.0	10,800	31.0	220.2	11,200	33.1	227.2	11,800	220
230	24.1	194.9	9,500	25.9	201.4	9,900	28.4	210.1	10,400	230
240	17.2	167.9	8,300	19.6	177.2	8,700	22.8	188.9	9,200	240
245	12.5	148.6	6,700	15.6	161.2	8,100	19.4	175.8	8,600	245
250				10.1	138.8	6,400	15.3	159.5	8,000	250
255							9.7	136.3	7,000	255
260										260
262										262
270										270
277										277
280										280
285										285

# MLC250 S-3

ASME B30.5



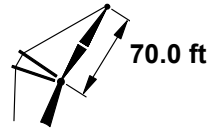
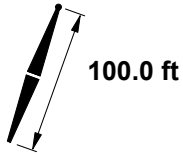
219,600 lb  
+  
80,000 lb



	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
70													70
75													75
80													80
81													81
85													85
90													90
95													95
98													98
100													100
105													105
110													110
114	68.0	318.4	37,700										114
115	67.7	318.0	37,700										115
120	66.4	315.9	37,400										120
125	65.1	313.6	37,200										125
130	63.8	311.2	36,900										130
135	62.5	308.6	35,800										135
140	61.1	305.9	33,700										140
141	60.8	305.3	33,200	62.9	307.6	31,600							141
145	59.7	303.0	31,500	61.8	305.5	30,300							145
150	58.3	300.0	29,500	60.4	302.7	28,800							150
155	56.9	296.8	27,700	59.1	299.7	27,300							155
160	55.5	293.4	26,000	57.6	296.6	26,000							160
165	54.0	289.8	24,400	56.2	293.3	24,700							165
167	53.4	288.3	23,800	55.6	291.9	24,200	57.8	294.3	22,700				167
170	52.5	286.0	23,000	54.8	289.8	23,500	56.9	292.4	22,000				170
175	51.0	282.0	21,600	53.3	286.1	22,400	55.5	289.0	20,900				175
180	49.4	277.8	20,300	51.8	282.3	21,400	54.0	285.4	19,900				180
185	47.8	273.4	19,100	50.2	278.2	20,400	52.5	281.6	19,000				185
190	46.2	268.7	18,000	48.7	273.8	19,500	51.0	277.6	18,100				190
191	45.8	267.6	17,800	48.3	272.9	19,300	50.7	276.8	17,900	52.9	279.3	16,600	191
200	42.7	258.3	16,000	45.4	264.4	17,500	47.8	269.0	16,500	50.1	272.1	15,200	200
210	39.1	246.7	14,100	41.9	253.8	15,500	44.5	259.3	15,000	46.9	263.2	13,800	210
220	35.1	233.3	12,500	38.2	241.8	13,700	41.0	248.3	13,600	43.5	253.1	12,500	220
230	30.6	217.6	11,000	34.1	227.9	12,100	37.1	235.9	12,400	39.9	241.8	11,300	230
240	25.5	198.6	9,700	29.5	211.6	10,700	33.0	221.4	11,300	36.0	228.8	10,200	240
245	22.5	187.3	9,100	26.9	202.1	10,000	30.7	213.3	10,700	33.9	221.6	9,700	245
250	19.1	173.9	8,500	24.1	191.5	9,400	28.2	204.3	10,200	31.7	213.7	9,200	250
255	15.0	157.3	7,900	21.0	179.3	8,700	25.5	194.3	9,600	29.3	205.1	8,800	255
260	9.1	133.3	7,400	17.3	164.7	8,200	22.6	182.9	9,000	26.7	195.6	8,300	260
262	5.1	116.6	6,300	14.6	153.6	7,900	21.1	177.0	8,700	25.5	191.0	8,100	262
270				3.9	109.6	7,000	15.1	153.1	7,800	20.7	172.5	7,300	270
277							5.3	112.8	7,000	14.7	148.3	6,600	277
280										12.1	137.9	6,400	280
285										1.8	94.9	5,900	285

# MLC250 S-3

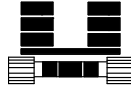
ASME B30.5



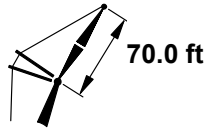
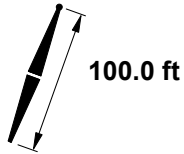
	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
30	75.1	175.4	158,000 d							30
32	73.4	174.8	155,100 d							32
34	71.7	174.1	149,000 d							34
35	70.8	173.7	146,100 d	73.8	174.6	155,500 d				35
36	69.9	173.3	143,200 d	72.9	174.3	152,400 d				36
38	68.1	172.5	137,800 c	71.2	173.6	146,400 d				38
40	66.4	171.7	132,800 b	69.5	172.9	140,900 d				40
44	62.7	169.6	123,700 b	65.9	171.1	130,900 d	70.5	172.7	142,400 d	44
45	61.8	169.1	121,500 b	65.0	170.7	128,500 b	69.6	172.3	139,700 d	45
50	57.0	166.0	111,800	60.3	168.0	117,900 b	65.2	170.1	127,600 b	50
52	54.9	164.5	108,500	58.4	166.7	114,200 b	63.3	169.1	123,500 b	52
55	51.8	162.3	103,600	55.4	164.7	108,700	60.5	167.5	117,200 b	55
60	46.3	157.8	96,500	50.2	160.8	100,900	55.6	164.2	108,200	60
65	40.3	152.3	90,300	44.6	156.0	94,100	50.4	160.3	100,500	65
66	38.8	150.9	89,300	43.3	154.8	93,000	49.3	159.4	99,100	66
70	33.2	145.3	85,000	38.2	150.1	88,200	44.8	155.6	93,700	70
75	24.4	135.8	80,500	30.8	142.5	83,100	38.5	149.7	87,800	75
80	9.5	118.3	61,400	21.1	131.8	78,700	31.1	142.3	81,600	80
84				5.7	113.5	59,200	23.5	133.8	76,800	84
85							21.6	131.7	75,500	85
89							7.4	114.9	64,000	89
90										90
93										93
94										94
95										95
100										100
103										103
105										105
110										110
111										111
115										115
119										119

# MLC250 S-3

ASME B30.5



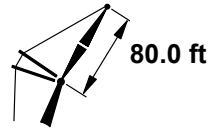
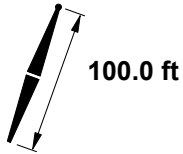
219,600 lb  
+  
80,000 lb



	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
30													30
32													32
34													34
35													35
36													36
38													38
40													40
44													44
45													45
50													50
52	68.0	170.7	133,300 c										52
55	65.3	169.3	126,500 b										55
60	60.7	166.7	114,900 b										60
65	55.8	163.4	103,700										65
66	54.8	162.7	101,900	63.0	166.0	97,900 b							66
70	50.6	159.6	94,500	59.2	163.7	90,900 b							70
75	45.0	154.9	86,600	54.3	160.3	83,300							75
80	38.7	149.1	79,800	49.0	156.1	76,800	57.5	159.7	73,900 b				80
84	32.9	143.1	75,100	44.3	152.1	72,300	53.5	156.8	69,500 b				84
85	31.4	141.6	73,900	43.2	151.1	71,200	52.5	156.1	68,400				85
89	23.8	133.3	69,800	37.9	146.2	67,200	48.1	152.6	64,600				89
90	21.9	131.2	68,700	36.6	144.9	66,200	47.0	151.7	63,700				90
93	11.9	119.3	65,800	32.0	140.1	63,600	43.4	148.5	61,100	52.4	152.6	58,600	93
94	8.5	115.4	64,900	30.4	138.4	62,700	42.2	147.4	60,300	51.4	151.7	57,900	94
95				28.8	136.8	61,800	41.0	146.3	59,400	50.3	150.9	57,100	95
100				18.1	124.7	57,800	34.1	139.6	55,700	44.7	146.2	53,500	100
103				3.6	107.3	55,400	29.0	134.1	53,600	40.9	142.6	51,500	103
105							25.6	130.5	52,200	38.4	140.3	50,200	105
110							12.2	115.0	49,100	31.0	132.8	47,200	110
111							6.6	108.2	48,400	29.0	130.6	46,700	111
115										21.3	122.1	44,500	115
119										6.5	104.5	42,400	119

# MLC250 S-3

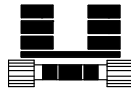
ASME B30.5



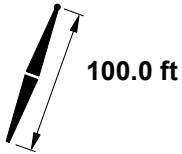
	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
32	75.5	185.2	147,500 d							32
34	74.0	184.6	143,900 d							34
36	72.5	184.0	138,500 d							36
38	71.0	183.3	133,500 c	73.6	184.2	141,700 d				38
40	69.5	182.5	128,700 b	72.1	183.5	136,500 d				40
45	65.6	180.4	118,100 b	68.3	181.6	124,900 b				45
47	64.0	179.3	114,400 b	66.7	180.7	120,900 b	70.8	182.3	130,800 c	47
50	61.5	177.8	108,900	64.4	179.4	114,800 b	68.5	181.1	124,200 b	50
55	57.3	174.7	101,000	60.3	176.6	106,100	64.5	178.8	114,400 b	55
56	56.5	174.0	99,600	59.4	176.0	104,600	63.7	178.3	112,700 b	56
60	52.9	171.1	94,000	56.0	173.4	98,500	60.5	176.1	105,800	60
65	48.2	166.8	87,900	51.5	169.6	91,900	56.2	172.9	98,300	65
70	43.1	161.8	82,600	46.7	165.1	86,000	51.7	169.2	91,600	70
71	42.0	160.6	81,700	45.7	164.1	85,000	50.8	168.3	90,500	71
75	37.5	155.7	77,900	41.5	159.8	80,900	46.9	164.7	85,800	75
80	31.0	148.1	73,900	35.6	153.3	76,400	41.7	159.4	80,700	80
85	22.8	137.8	69,100	28.7	145.1	72,400	35.9	153.0	75,400	85
90	8.8	119.0	53,700	19.6	133.5	66,800	29.0	144.9	70,100	90
94				5.3	113.9	51,800	21.9	135.7	66,300	94
95							20.1	133.4	65,400	95
99							6.9	115.5	56,100	99
100										100
104										104
105										105
110										110
113										113
115										115
120										120
121										121
125										125
129										129

# MLC250 S-3

ASME B30.5



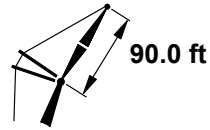
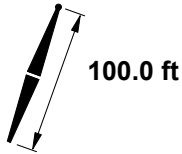
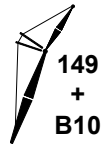
219,600 lb  
+  
80,000 lb



	80°			75°			70°			65°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
32													32
34													34
36													36
38													38
40													40
45													45
47													47
50													50
55													55
56	67.8	179.9	121,100 b										56
60	64.7	178.0	113,600 b										60
65	60.6	175.3	103,300										65
70	56.3	172.1	94,100										70
71	55.4	171.4	92,500	62.6	174.6	88,800							71
75	51.9	168.4	86,200	59.3	172.3	82,800							75
80	47.1	164.0	79,500	55.0	169.0	76,400							80
85	41.9	158.7	73,600	50.4	165.1	70,700	57.8	168.4	67,900				85
90	36.1	152.3	68,500	45.6	160.4	65,800	53.5	164.9	63,100				90
94	30.6	145.9	64,800	41.3	155.9	62,300	49.7	161.5	59,800				94
95	29.3	144.3	63,900	40.2	154.8	61,400	48.8	160.7	58,900				95
99	22.2	135.2	60,700	35.3	149.4	58,300	44.8	156.8	56,000	52.5	160.6	53,600	99
100	20.4	133.0	59,800	34.1	148.0	57,500	43.8	155.8	55,200	51.6	159.8	52,900	100
104	7.9	116.0	56,800	28.3	141.0	54,700	39.3	151.0	52,500	47.8	156.2	50,300	104
105				26.9	139.2	54,000	38.2	149.8	51,800	46.8	155.3	49,700	105
110				16.8	126.1	50,800	31.8	142.4	48,800	41.6	150.0	46,800	110
113				3.3	107.4	48,900	27.0	136.5	47,100	38.1	146.1	45,200	113
115							23.9	132.6	46,000	35.7	143.5	44,100	115
120							11.4	115.9	43,400	28.8	135.3	41,700	120
121							6.1	108.6	42,900	27.0	133.0	41,300	121
125										19.8	123.8	39,400	125
129										6.0	104.9	37,700	129

# MLC250 S-3

ASME B30.5

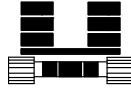


	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
34	75.9	195.0	139,300 d							34
36	74.5	194.4	134,300 d							36
38	73.2	193.8	129,700 c							38
40	71.9	193.2	125,300 b							40
41	71.2	192.8	123,300 b	73.5	193.7	130,300 d				41
45	68.5	191.3	115,200 b	70.8	192.4	121,800 b				45
50	65.0	189.0	106,500	67.4	190.4	112,200 b	71.0	191.8	121,200 b	50
55	61.4	186.4	98,800	63.9	188.0	103,900	67.5	189.8	111,900 b	55
60	57.6	183.4	92,100	60.3	185.3	96,600	64.0	187.5	103,700	60
65	53.8	179.9	86,200	56.5	182.1	90,200	60.4	184.8	96,500	65
70	49.6	175.8	81,000	52.5	178.4	84,500	56.6	181.6	90,100	70
75	45.3	171.1	76,300	48.4	174.2	79,400	52.7	178.0	84,400	75
76	44.3	170.0	75,500	47.5	173.2	78,500	51.9	177.1	83,400	76
80	40.5	165.5	72,200	43.9	169.2	74,900	48.5	173.7	79,300	80
85	35.2	158.9	68,500	39.0	163.4	70,900	44.1	168.8	74,800	85
90	29.1	150.7	63,800	33.5	156.4	67,400	39.2	163.0	70,000	90
91	27.6	148.5	62,900	32.2	154.6	66,500	38.1	161.6	69,000	91
95	21.4	139.7	59,200	27.0	147.5	62,900	33.7	156.0	65,300	95
100	8.2	119.6	46,700	18.5	135.1	57,400	27.3	147.3	61,200	100
104				4.9	114.2	45,300	20.6	137.5	58,200	104
105							18.9	135.1	57,400	105
109							6.4	115.9	49,000	109
110										110
114										114
115										115
120										120
123										123
125										125
130										130
131										131
135										135
139										139

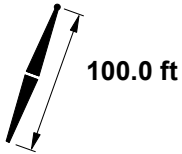


# MLC250 S-3

ASME B30.5



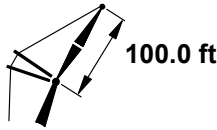
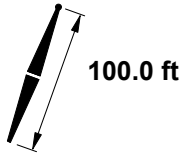
219,600 lb  
+  
80,000 lb



	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
34													34
36													36
38													38
40													40
41													41
45													45
50													50
55													55
60	67.7	189.0	111,200 <sup>b</sup>										60
65	64.1	186.7	103,000										65
70	60.5	184.0	93,800										70
75	56.8	180.8	85,900										75
76	56.0	180.1	84,600	62.3	183.3	81,100							76
80	52.8	177.2	79,200	59.4	181.0	76,000							80
85	48.7	173.0	73,400	55.6	177.7	70,400							85
90	44.2	168.1	68,300	51.6	173.9	65,500							90
91	43.2	166.9	67,400	50.7	173.0	64,600	57.3	176.4	61,900				91
95	39.4	162.3	63,800	47.3	169.5	61,200	54.2	173.6	58,600				95
100	33.9	155.4	59,700	42.8	164.4	57,300	50.1	169.6	54,900				100
104	28.8	148.4	56,800	38.8	159.5	54,500	46.7	165.9	52,200				104
105	27.5	146.7	56,100	37.8	158.3	53,800	45.8	165.0	51,600	52.6	168.6	49,300	105
109	20.9	137.1	53,500	33.2	152.4	51,300	42.0	160.6	49,200	49.3	165.2	47,000	109
110	19.2	134.7	52,800	32.1	150.9	50,700	41.1	159.6	48,600	48.4	164.3	46,500	110
114	7.4	116.6	50,300	26.6	143.3	48,400	36.9	154.4	46,400	44.8	160.4	44,400	114
115				25.3	141.4	47,800	35.9	153.1	45,800	43.9	159.4	43,800	115
120				15.8	127.5	45,200	29.9	145.1	43,300	39.1	153.6	41,500	120
123				3.0	107.6	43,600	25.4	138.8	41,900	35.8	149.4	40,100	123
125							22.4	134.5	41,000	33.6	146.6	39,300	125
130							10.7	116.8	38,800	27.1	137.7	37,200	130
131							5.7	109.0	38,300	25.4	135.3	36,800	131
135										18.6	125.4	35,300	135
139										5.6	105.3	33,800	139

# MLC250 S-3

ASME B30.5



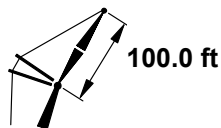
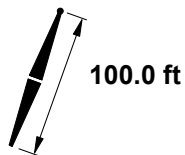
	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
37	75.5	204.5	127,500 d						37	
38	74.9	204.3	125,300 c						38	
40	73.7	203.7	121,300 b						40	
43	71.9	202.7	115,600 b	74.0	203.6	122,000 b			43	
45	70.7	202.0	111,900 b	72.8	202.9	118,200 b			45	
50	67.6	200.0	103,600	69.8	201.2	109,200 b			50	
54	65.1	198.2	97,800	67.3	199.5	102,900 b	70.5	201.0	110,700 b	
55	64.5	197.7	96,300	66.7	199.1	101,300	69.9	200.6	109,000 b	
60	61.2	195.1	89,900	63.5	196.7	94,300	66.8	198.6	101,300	
64	58.6	192.7	85,300	60.9	194.5	89,300	64.3	196.7	95,800	
65	57.9	192.1	84,200	60.2	193.9	88,100	63.6	196.2	94,400	
70	54.4	188.6	79,000	56.8	190.8	82,600	60.4	193.4	88,200	
75	50.8	184.7	74,500	53.3	187.2	77,700	57.0	190.3	82,700	
80	46.9	180.2	70,400	49.6	183.1	73,300	53.5	186.7	77,700	
85	42.8	175.0	66,800	45.7	178.4	69,300	49.8	182.7	73,300	
90	38.3	169.0	62,500	41.5	173.0	65,700	45.9	178.0	69,300	
95	33.3	161.9	57,600	36.9	166.7	62,400	41.7	172.7	65,000	
96	32.2	160.2	56,800	35.8	165.2	61,500	40.7	171.4	64,200	
100	27.6	153.1	53,600	31.7	159.2	58,000	37.1	166.4	60,900	
105	20.3	141.5	50,700	25.6	149.7	54,200	31.9	158.9	57,200	
110	7.8	120.2	40,800	17.5	136.6	49,800	25.8	149.6	53,800	
111				14.2	131.0	47,200	24.2	147.0	53,200	
114				4.6	114.5	39,600	19.4	139.2	51,400	
115							17.9	136.6	50,800	
119							6.1	116.4	42,900	
120									120	
124									124	
125									125	
130									130	
133									133	
135									135	
140									140	
141									141	
145									145	
149									149	

# MLC250 S-3

ASME B30.5



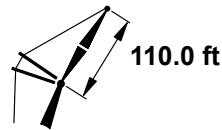
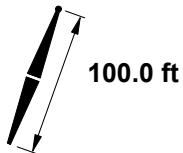
219,600 lb  
+  
80,000 lb



	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
37													37
38													38
40													40
43													43
45													45
50													50
54													54
55													55
60													60
64	67.5	198.2	102,200										64
65	66.9	197.8	100,800										65
70	63.7	195.4	93,300										70
75	60.5	192.6	85,500										75
80	57.1	189.5	78,800	62.7	192.5	75,500							80
85	53.6	186.0	73,000	59.5	189.7	69,900							85
90	49.9	181.9	67,900	56.0	186.4	65,000							90
95	46.0	177.3	63,400	52.5	182.7	60,700							95
96	45.1	176.2	62,600	51.7	181.9	59,900	57.6	185.1	57,300				96
100	41.8	172.0	59,400	48.7	178.5	56,800	54.8	182.4	54,300				100
105	37.2	165.7	55,800	44.7	173.7	53,400	51.2	178.5	51,000				105
110	32.1	158.3	52,500	40.4	168.1	50,300	47.4	174.1	48,000				110
111	30.9	156.4	51,900	39.5	166.8	49,700	46.5	173.1	47,500	52.7	176.6	45,300	111
114	27.2	150.9	50,100	36.7	162.8	48,000	44.1	170.0	45,900	50.4	174.1	43,800	114
115	26.0	149.0	49,500	35.7	161.5	47,400	43.3	169.0	45,300	49.7	173.3	43,300	115
119	19.7	138.8	47,400	31.4	155.2	45,400	39.7	164.3	43,400	46.5	169.5	41,400	119
120	18.2	136.2	46,800	30.4	153.6	44,900	38.9	163.1	42,900	45.8	168.6	40,900	120
124	7.0	117.1	44,700	25.2	145.5	42,900	34.9	157.5	41,100	42.4	164.3	39,200	124
125				23.9	143.5	42,500	33.9	156.1	40,600	41.6	163.2	38,700	125
130				15.0	128.8	40,200	28.3	147.6	38,500	36.9	156.9	36,700	130
133				2.8	107.8	38,900	24.0	140.9	37,300	33.8	152.4	35,600	133
135							21.2	136.4	36,600	31.8	149.4	34,900	135
140							10.1	117.6	34,700	25.7	140.0	33,200	140
141							5.4	109.4	34,300	24.1	137.4	32,800	141
145										17.6	126.9	31,500	145
149										5.3	105.7	30,200	149

# MLC250 S-3

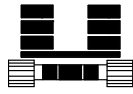
ASME B30.5



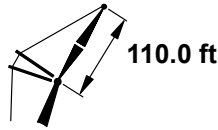
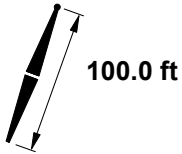
	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
39	75.8	214.4	118,000 b							39
40	75.3	214.1	117,200 b							40
45	72.5	212.6	108,600 b							45
46	72.0	212.2	107,000 b	73.9	213.1	112,700 b				46
50	69.8	210.8	100,800	71.7	211.8	106,100 b				50
55	67.0	208.8	93,900	68.9	210.0	98,700				55
57	65.8	207.8	91,400	67.8	209.1	96,100	70.7	210.6	102,900	57
60	64.1	206.4	87,700	66.1	207.8	92,100	69.0	209.4	98,700	60
65	61.1	203.7	82,200	63.2	205.4	86,200	66.2	207.3	92,200	65
67	59.9	202.5	80,300	62.0	204.3	84,100	65.0	206.3	89,800	67
70	58.1	200.7	77,400	60.2	202.6	80,800	63.3	204.9	86,300	70
75	54.9	197.3	72,900	57.1	199.5	76,100	60.3	202.1	81,000	75
80	51.7	193.5	68,900	54.0	196.0	71,800	57.3	199.0	76,300	80
85	48.2	189.2	65,400	50.6	192.0	67,900	54.1	195.5	72,000	85
90	44.6	184.3	62,100	47.1	187.5	64,400	50.8	191.5	68,000	90
95	40.7	178.8	57,300	43.4	182.5	61,200	47.3	187.1	64,500	95
100	36.4	172.3	52,900	39.4	176.7	58,200	43.6	182.1	60,800	100
101	35.5	170.8	52,100	38.6	175.3	57,400	42.8	180.9	60,100	101
105	31.7	164.8	49,100	35.1	169.9	54,300	39.6	176.3	57,200	105
110	26.2	155.5	46,100	30.1	161.9	50,800	35.3	169.6	53,800	110
115	19.3	143.1	43,800	24.3	151.9	47,700	30.4	161.6	50,800	115
117	14.5	134.2	40,800	21.2	146.3	46,200	28.0	157.7	49,600	117
120	7.4	120.8	36,300	16.6	138.0	43,900	24.6	151.7	47,700	120
124				4.4	114.9	35,300	18.5	140.8	45,500	124
125							17.0	138.1	44,900	125
129							5.7	116.9	38,300	129
130										130
134										134
135										135
140										140
143										143
145										145
150										150
151										151
155										155
159										159

# MLC250 S-3

ASME B30.5



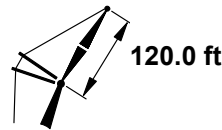
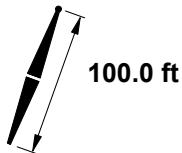
219,600 lb  
+  
80,000 lb



	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
39													39
40													40
45													45
46													46
50													50
55													55
57													57
60													60
65													65
67	68.0	207.8	95,600										67
70	66.3	206.5	91,800										70
75	63.4	204.1	85,300										75
80	60.4	201.3	78,700										80
85	57.4	198.2	72,900	62.5	201.2	69,800							85
90	54.2	194.7	67,800	59.5	198.3	64,900							90
95	50.9	190.8	63,300	56.4	195.1	60,600							95
100	47.4	186.4	59,300	53.2	191.5	56,700							100
101	46.7	185.4	58,600	52.5	190.7	56,000	57.8	193.8	53,500				101
105	43.7	181.3	55,700	49.8	187.4	53,300	55.3	191.1	50,900				105
110	39.7	175.6	52,500	46.3	182.8	50,200	52.0	187.3	47,900				110
115	35.4	168.9	49,500	42.5	177.6	47,400	48.6	183.1	45,200				115
117	33.4	165.8	48,500	40.9	175.2	46,300	47.2	181.1	44,200	52.7	184.6	42,200	117
120	30.5	161.0	46,900	38.5	171.6	44,800	45.0	178.3	42,800	50.7	182.1	40,800	120
124	25.9	153.2	44,900	34.9	166.0	42,900	41.9	173.9	41,000	47.9	178.6	39,100	124
125	24.8	151.2	44,400	34.0	164.6	42,500	41.2	172.8	40,500	47.2	177.7	38,600	125
129	18.8	140.4	42,600	29.9	157.9	40,700	37.8	167.7	38,900	44.2	173.6	37,000	129
130	17.3	137.7	42,100	28.9	156.2	40,300	37.0	166.5	38,400	43.5	172.6	36,600	130
134	6.6	117.6	40,300	24.0	147.7	38,700	33.2	160.5	36,900	40.3	168.0	35,200	134
135				22.8	145.5	38,300	32.3	159.0	36,500	39.5	166.8	34,800	135
140				14.2	130.0	36,400	26.9	150.0	34,800	35.1	160.1	33,100	140
143				2.6	107.9	35,200	22.9	142.9	33,700	32.2	155.3	32,200	143
145							20.2	138.1	33,100	30.2	152.1	31,500	145
150							9.6	118.4	31,500	24.4	142.2	30,000	150
151							5.1	109.8	31,100	22.9	139.4	29,800	151
155										16.8	128.4	28,600	155
159										5.0	106.1	27,500	159

# MLC250 S-3

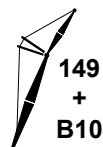
ASME B30.5



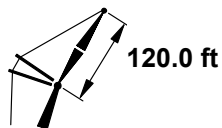
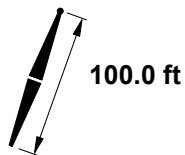
	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
41	76.0	224.2	111,300 b							41
45	74.0	223.1	105,000 b							45
49	72.0	221.8	99,300 b	73.8	222.6	104,300 b				49
50	71.5	221.5	97,800	73.3	222.3	102,900				50
55	69.0	219.6	91,400	70.8	220.7	96,000				55
60	66.4	217.5	85,500	68.2	218.7	89,700	70.9	220.1	96,000	60
65	63.7	215.1	80,200	65.6	216.5	84,100	68.3	218.2	89,900	65
70	61.0	212.4	75,500	62.9	214.0	79,000	65.7	216.0	84,300	70
71	60.5	211.8	74,600	62.4	213.5	78,100	65.2	215.5	83,200	71
75	58.2	209.4	71,200	60.2	211.3	74,400	63.0	213.5	79,200	75
80	55.4	206.1	67,400	57.4	208.2	70,200	60.3	210.8	74,600	80
85	52.4	202.3	63,800	54.5	204.7	66,400	57.5	207.7	70,500	85
89	49.9	199.0	61,200	52.1	201.6	63,700	55.2	204.9	67,400	89
90	49.3	198.2	60,600	51.5	200.8	63,000	54.6	204.2	66,600	90
95	46.0	193.5	56,900	48.3	196.5	59,900	51.6	200.4	63,200	95
100	42.6	188.3	52,400	45.0	191.7	56,900	48.4	196.1	60,000	100
105	38.9	182.3	48,600	41.5	186.3	53,800	45.1	191.3	56,800	105
106	38.0	181.0	47,900	40.7	185.0	53,100	44.4	190.2	56,100	106
110	34.8	175.5	45,200	37.7	180.1	50,300	41.6	185.9	53,500	110
115	30.3	167.5	42,300	33.5	172.9	47,200	37.8	179.7	50,400	115
120	25.1	157.7	39,900	28.8	164.5	44,300	33.7	172.6	47,200	120
123	21.1	149.9	38,900	25.5	158.1	42,800	30.9	167.6	45,500	123
125	18.4	144.7	38,200	23.2	153.9	41,800	29.0	164.2	44,400	125
130	7.0	121.4	31,900	15.9	139.4	38,600	23.5	153.8	41,800	130
134				4.1	115.2	31,100	17.7	142.3	40,000	134
135							16.2	139.5	39,500	135
139							5.5	117.3	33,800	139
140										140
144										144
145										145
150										150
153										153
155										155
160										160
161										161
165										165
169										169

# MLC250 S-3

ASME B30.5



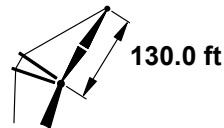
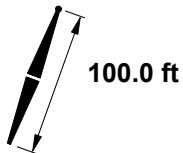
219,600 lb  
+  
80,000 lb



	80°			75°			70°			65°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
41													41
45													45
49													49
50													50
55													55
60													60
65													65
70													70
71	67.9	216.9	88,400										71
75	65.8	215.2	84,100										75
80	63.1	212.7	78,200										80
85	60.4	210.0	72,400										85
89	58.1	207.5	68,300	62.8	210.4	65,300							89
90	57.6	206.9	67,300	62.3	209.8	64,300							90
95	54.7	203.5	62,800	59.5	207.0	60,000							95
100	51.7	199.6	58,800	56.7	203.8	56,200							100
105	48.5	195.4	55,300	53.8	200.2	52,800							105
106	47.9	194.4	54,600	53.2	199.5	52,200	58.0	202.5	49,700				106
110	45.2	190.6	52,000	50.7	196.3	49,700	55.7	199.8	47,400				110
115	41.7	185.2	49,100	47.6	191.9	46,900	52.7	196.1	44,700				115
120	38.0	179.1	46,500	44.2	186.9	44,300	49.7	192.0	42,200				120
123	35.5	174.8	45,000	42.0	183.6	42,900	47.7	189.2	40,900	52.7	192.6	38,900	123
125	33.8	172.0	44,000	40.6	181.3	42,000	46.4	187.4	40,000	51.5	191.0	38,100	125
130	29.2	163.6	41,800	36.7	174.9	39,900	43.0	182.2	38,000	48.4	186.7	36,100	130
134	24.8	155.3	40,100	33.3	169.0	38,300	40.0	177.6	36,400	45.7	182.8	34,600	134
135	23.7	153.3	39,700	32.5	167.5	37,900	39.3	176.4	36,100	45.1	181.9	34,300	135
139	17.9	142.0	38,100	28.6	160.4	36,400	36.1	171.0	34,700	42.2	177.5	32,900	139
140	16.5	139.1	37,800	27.6	158.6	36,000	35.3	169.7	34,300	41.5	176.5	32,600	140
144	6.3	118.1	35,500	22.9	149.7	34,700	31.7	163.4	33,000	38.5	171.5	31,300	144
145				21.7	147.4	34,300	30.9	161.8	32,700	37.7	170.3	31,000	145
150				13.6	131.1	32,700	25.7	152.3	31,100	33.6	163.1	29,600	150
153				2.5	108.1	31,700	21.9	144.8	30,300	30.8	158.1	28,800	153
155							19.3	139.8	29,700	28.9	154.7	28,200	155
160							9.1	119.2	28,300	23.3	144.2	26,900	160
161							4.8	110.2	28,000	21.9	141.3	26,700	161
165										16.0	129.7	25,700	165
169										4.7	106.5	24,700	169

# MLC250 S-3

ASME B30.5

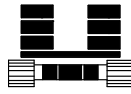


	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
44	75.8	233.7	100,800 b							44
45	75.3	233.5	100,500 b							45
50	73.0	232.0	95,100							50
52	72.1	231.3	92,700	73.7	232.2	97,300				52
55	70.7	230.3	89,000	72.3	231.2	93,500				55
60	68.3	228.4	83,600	70.0	229.5	87,600				60
63	66.9	227.0	80,500	68.5	228.3	84,400	71.0	229.7	90,000	63
65	65.9	226.2	78,500	67.6	227.5	82,300	70.1	228.9	87,800	65
70	63.5	223.8	73,900	65.2	225.2	77,400	67.7	226.9	82,500	70
75	61.0	221.1	69,800	62.7	222.7	73,000	65.3	224.7	77,700	75
80	58.4	218.1	66,100	60.2	219.9	68,900	62.8	222.2	73,300	80
85	55.7	214.8	62,700	57.6	216.8	65,300	60.3	219.4	69,200	85
90	53.0	211.1	59,500	54.9	213.4	61,900	57.7	216.3	65,600	90
94	50.7	207.9	57,100	52.7	210.4	59,400	55.6	213.6	62,900	94
95	50.2	207.1	56,500	52.2	209.7	58,800	55.0	212.9	62,200	95
100	47.2	202.6	52,200	49.3	205.5	56,100	52.3	209.2	59,100	100
105	44.1	197.6	48,400	46.3	200.8	53,400	49.4	205.0	56,200	105
110	40.8	192.0	45,000	43.1	195.7	49,900	46.4	200.4	53,200	110
112	39.4	189.5	43,800	41.8	193.4	48,600	45.1	198.4	51,900	112
115	37.3	185.7	42,000	39.8	189.9	46,800	43.3	195.3	50,000	115
120	33.4	178.5	39,300	36.1	183.4	43,900	39.9	189.5	46,800	120
125	29.1	170.1	36,900	32.1	175.8	41,400	36.3	183.0	44,000	125
129	25.0	161.9	35,500	28.5	168.7	39,500	33.1	177.0	41,900	129
130	24.0	159.8	35,100	27.6	166.9	39,000	32.3	175.5	41,400	130
135	17.7	146.3	33,700	22.3	155.9	36,900	27.8	166.7	39,100	135
140	6.7	121.9	28,200	15.2	140.7	34,100	22.5	155.8	36,900	140
144				4.0	115.5	27,600	17.0	143.8	35,300	144
145							15.6	140.8	35,000	145
149							5.2	117.7	30,000	149
150										150
154										154
155										155
160										160
163										163
165										165
170										170
171										171
175										175
179										179

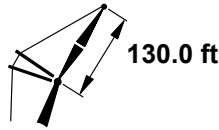
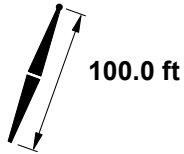


# MLC250 S-3

ASME B30.5



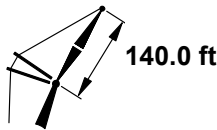
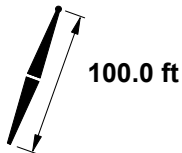
219,600 lb  
+  
80,000 lb



	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
44													44
45													45
50													50
52													52
55													55
60													60
63													63
65													65
70													70
75	67.8	226.1	82,300										75
80	65.3	223.9	77,600										80
85	62.9	221.4	72,000										85
90	60.4	218.6	67,000										90
94	58.3	216.2	63,400	62.6	219.0	60,500							94
95	57.8	215.6	62,500	62.1	218.5	59,600							95
100	55.1	212.2	58,500	59.6	215.6	55,800							100
105	52.4	208.4	54,900	57.0	212.5	52,400							105
110	49.5	204.3	51,700	54.3	209.0	49,300							110
112	48.3	202.4	50,600	53.2	207.4	48,200	57.6	210.5	45,900				112
115	46.5	199.7	48,800	51.5	205.1	46,500	56.0	208.5	44,300				115
120	43.4	194.6	46,200	48.6	200.9	44,000	53.3	204.9	41,900				120
125	40.0	188.8	43,700	45.6	196.1	41,700	50.5	200.9	39,600				125
129	37.1	183.6	42,000	43.0	191.9	40,000	48.1	197.3	38,000	52.8	200.6	36,100	129
130	36.4	182.4	41,500	42.4	190.8	39,500	47.6	196.4	37,600	52.2	199.8	35,700	130
135	32.4	174.9	39,500	38.9	184.9	37,600	44.5	191.5	35,700	49.3	195.6	33,900	135
140	28.0	166.1	37,500	35.2	178.1	35,700	41.2	186.0	34,000	46.3	191.0	32,200	140
144	23.8	157.4	36,100	31.9	171.9	34,400	38.4	181.1	32,700	43.8	186.9	31,000	144
145	22.7	155.3	35,800	31.1	170.3	34,000	37.7	179.8	32,300	43.2	185.9	30,700	145
149	17.2	143.5	34,400	27.4	162.9	32,800	34.6	174.1	31,100	40.5	181.2	29,500	149
150	15.8	140.5	34,100	26.5	161.0	32,500	33.9	172.7	30,800	39.8	180.1	29,200	150
154	6.0	118.6	31,500	22.0	151.6	31,300	30.4	166.1	29,700	36.9	174.9	28,200	154
155				20.9	149.3	31,000	29.6	164.5	29,400	36.2	173.6	27,900	155
160				13.0	132.2	29,500	24.7	154.5	28,100	32.2	166.0	26,600	160
163				2.3	108.2	28,600	21.0	146.6	27,300	29.5	160.7	25,900	163
165							18.5	141.4	26,800	27.7	157.2	25,400	165
170							8.8	119.9	25,600	22.4	146.2	24,300	170
171							4.6	110.5	25,300	21.0	143.1	24,100	171
175										15.4	131.1	23,200	175
179										4.5	106.8	22,300	179

# MLC250 S-3

ASME B30.5



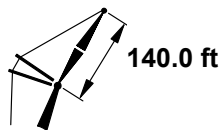
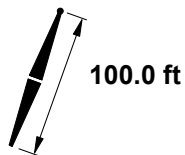
	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
46	75.9	243.5	88,500							46
50	74.2	242.4	88,500							50
54	72.5	241.2	86,600	74.0	242.0	88,500				54
55	72.1	240.9	86,100	73.6	241.7	88,500				55
60	69.9	239.1	81,000	71.4	240.1	84,900				60
65	67.7	237.1	76,300	69.3	238.3	79,900				65
67	66.8	236.2	74,600	68.4	237.4	78,000	70.7	238.8	83,000	67
70	65.5	234.9	72,000	67.1	236.2	75,300	69.4	237.7	80,100	70
75	63.2	232.4	68,000	64.8	233.9	71,100	67.1	235.7	75,600	75
79	61.3	230.3	65,100	63.0	231.9	68,000	65.3	233.8	72,300	79
80	60.9	229.7	64,400	62.5	231.4	67,200	64.9	233.4	71,500	80
85	58.5	226.7	61,100	60.2	228.6	63,700	62.6	230.9	67,600	85
90	56.1	223.5	58,100	57.8	225.5	60,500	60.3	228.1	64,000	90
95	53.5	219.9	55,300	55.3	222.1	57,400	57.9	225.0	60,800	95
98	52.0	217.5	53,400	53.8	219.9	55,800	56.4	223.0	59,000	98
100	50.9	215.9	52,200	52.7	218.4	54,700	55.4	221.7	57,700	100
105	48.2	211.6	48,400	50.1	214.4	52,200	52.9	218.0	55,000	105
110	45.4	206.8	45,000	47.4	209.9	49,700	50.2	213.9	52,400	110
115	42.4	201.5	42,000	44.5	205.0	46,500	47.5	209.5	49,800	115
117	41.1	199.1	40,900	43.3	202.8	45,400	46.3	207.5	48,500	117
120	39.2	195.6	39,200	41.5	199.5	43,600	44.6	204.6	46,600	120
125	35.8	189.0	36,800	38.2	193.4	41,000	41.6	199.1	43,700	125
130	32.1	181.4	34,600	34.7	186.5	38,700	38.4	193.0	41,100	130
135	28.0	172.6	32,800	30.9	178.6	36,500	34.9	186.2	38,700	135
140	23.1	161.8	31,200	26.6	169.3	34,500	31.1	178.3	36,500	140
145	17.0	147.7	30,200	21.5	157.8	32,700	26.8	169.1	34,500	145
150	6.4	122.5	25,000	14.6	141.9	30,200	21.7	157.7	32,700	150
154				3.8	115.7	24,400	16.3	145.2	31,300	154
155							15.0	142.1	31,000	155
159							5.0	118.1	26,700	159
160										160
164										164
165										165
170										170
173										173
175										175
180										180
181										181
185										185
189										189

# MLC250 S-3

ASME B30.5



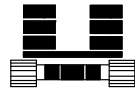
219,600 lb  
+  
80,000 lb



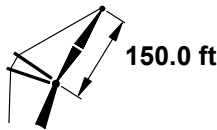
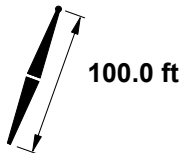
	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
46													46
50													50
54													54
55													55
60													60
65													65
67													67
70													70
75													75
79	67.7	235.3	76,300										79
80	67.2	234.8	75,500										80
85	65.0	232.6	71,400										85
90	62.7	230.1	66,500										90
95	60.3	227.3	62,000										95
98	58.9	225.5	59,600	62.9	228.2	56,800							98
100	57.9	224.2	58,000	62.0	227.2	55,300							100
105	55.5	220.9	54,500	59.6	224.3	51,900							105
110	52.9	217.2	51,300	57.2	221.2	48,800							110
115	50.3	213.2	48,400	54.7	217.7	46,000							115
117	49.2	211.4	47,300	53.7	216.2	45,000	57.8	219.2	42,700				117
120	47.6	208.7	45,700	52.1	213.9	43,500	56.3	217.2	41,300				120
125	44.7	203.8	43,300	49.5	209.8	41,200	53.8	213.6	39,100				125
130	41.7	198.4	41,100	46.7	205.2	39,100	51.2	209.7	37,100				130
135	38.5	192.4	39,000	43.8	200.2	37,100	48.5	205.4	35,200	52.8	208.6	33,300	135
140	35.0	185.5	37,100	40.7	194.6	35,300	45.7	200.7	33,500	50.2	204.5	31,700	140
145	31.2	177.7	35,400	37.4	188.3	33,600	42.8	195.5	31,800	47.4	200.1	30,100	145
150	26.9	168.5	33,700	33.9	181.2	32,000	39.6	189.6	30,300	44.5	195.1	28,700	150
154	22.9	159.5	32,500	30.7	174.6	30,900	36.9	184.4	29,200	42.1	190.8	27,600	154
155	21.9	157.2	32,200	30.0	173.0	30,600	36.2	183.1	28,900	41.5	189.7	27,400	155
159	16.6	144.9	31,000	26.4	165.2	29,500	33.3	177.1	27,900	38.9	184.8	26,400	159
160	15.2	141.8	30,700	25.5	163.2	29,200	32.6	175.7	27,600	38.3	183.6	26,100	160
164	5.8	119.1	28,000	21.2	153.5	28,100	29.3	168.7	26,600	35.5	178.1	25,200	164
165				20.1	151.0	27,900	28.5	167.0	26,400	34.8	176.7	24,900	165
170				12.5	133.3	26,600	23.7	156.5	25,200	31.0	168.8	23,800	170
173				2.2	108.3	25,800	20.2	148.4	24,600	28.4	163.2	23,200	173
175							17.8	143.0	24,100	26.7	159.5	22,800	175
180							8.4	120.6	23,000	21.5	148.1	21,800	180
181							4.4	110.9	22,800	20.2	144.9	21,600	181
185										14.8	132.3	20,800	185
189										4.3	107.1	20,000	189

# MLC250 S-3

ASME B30.5



219,600 lb  
+  
80,000 lb



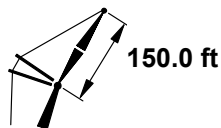
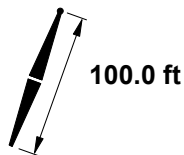
	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
49	75.7	253.1	81,100							49
50	75.3	252.8	80,900							50
55	73.3	251.4	79,800							55
57	72.5	250.7	79,400	73.9	251.6	85,300				57
60	71.3	249.7	78,700	72.7	250.6	82,400				60
65	69.3	247.9	74,300	70.7	248.9	77,800				65
70	67.2	245.9	70,200	68.7	247.0	73,500	70.8	248.4	78,000	70
75	65.1	243.6	66,500	66.6	244.9	69,400	68.8	246.5	73,700	75
80	63.0	241.1	63,000	64.5	242.6	65,700	66.7	244.4	69,800	80
82	62.1	240.0	61,700	63.6	241.6	64,400	65.8	243.5	68,300	82
85	60.8	238.4	59,800	62.3	240.0	62,300	64.6	242.1	66,100	85
90	58.6	235.4	56,900	60.2	237.2	59,300	62.4	239.5	62,700	90
95	56.3	232.2	54,200	57.9	234.2	56,400	60.2	236.7	59,600	95
100	54.0	228.6	51,600	55.6	230.8	53,700	58.0	233.7	56,600	100
103	52.5	226.3	49,400	54.2	228.7	52,100	56.6	231.7	55,000	103
105	51.6	224.7	48,000	53.3	227.2	51,100	55.7	230.4	54,000	105
110	49.1	220.5	44,800	50.8	223.2	48,900	53.4	226.7	51,500	110
115	46.5	215.9	41,800	48.3	218.9	46,300	50.9	222.8	49,100	115
120	43.7	210.8	39,100	45.7	214.1	43,400	48.4	218.5	46,400	120
122	42.6	208.6	38,100	44.5	212.1	42,400	47.3	216.6	45,300	122
125	40.9	205.2	36,600	42.9	208.9	40,800	45.8	213.7	43,500	125
130	37.8	199.0	34,400	40.0	203.2	38,500	43.0	208.5	40,900	130
135	34.6	192.1	32,500	36.9	196.7	36,300	40.1	202.8	38,500	135
140	31.0	184.2	30,700	33.5	189.5	34,300	37.0	196.4	36,300	140
141	30.2	182.3	30,400	32.8	187.9	33,900	36.3	195.0	35,900	141
145	27.0	174.9	29,200	29.8	181.3	32,400	33.7	189.2	34,300	145
150	22.3	163.8	27,900	25.7	171.5	30,800	30.0	181.0	32,500	150
155	16.4	149.2	27,100	20.7	159.6	29,200	25.8	171.4	30,800	155
160	6.2	123.0	22,300	14.1	143.1	26,900	20.9	159.5	29,200	160
164				3.6	116.0	21,800	15.7	146.6	28,000	164
165							14.5	143.3	27,700	165
169							4.8	118.5	23,900	169
170										170
174										174
175										175
180										180
183										183
185										185
190										190
191										191
195										195
199										199

# MLC250 S-3

ASME B30.5



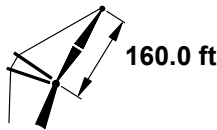
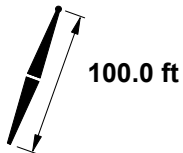
219,600 lb  
+  
80,000 lb



	80°			75°			70°			65°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
49													49
50													50
55													55
57													57
60													60
65													65
70													70
75													75
80													80
82	68.0	244.9	72,000										82
85	66.7	243.6	69,800										85
90	64.6	241.3	66,200										90
95	62.5	238.7	61,800										95
100	60.3	235.9	57,900										100
103	59.0	234.1	55,700	62.7	236.9	53,000							103
105	58.1	232.9	54,300	61.8	235.8	51,700							105
110	55.8	229.6	51,100	59.6	233.0	48,600							110
115	53.4	226.0	48,200	57.4	229.8	45,900							115
120	51.0	222.0	45,600	55.1	226.4	43,300							120
122	50.0	220.3	44,600	54.1	224.9	42,400	58.0	227.8	40,200				122
125	48.5	217.7	43,100	52.7	222.7	41,000	56.6	225.9	38,900				125
130	45.8	213.0	40,900	50.2	218.7	38,900	54.3	222.4	36,900				130
135	43.1	207.8	38,900	47.7	214.2	36,900	51.9	218.5	35,000				135
140	40.2	202.1	37,000	45.0	209.4	35,100	49.4	214.4	33,300				140
141	39.6	200.8	36,700	44.5	208.3	34,800	48.8	213.4	33,000	52.8	216.6	31,200	141
145	37.1	195.7	35,300	42.2	204.0	33,500	46.8	209.8	31,700	50.9	213.4	30,000	145
150	33.8	188.6	33,600	39.3	198.1	31,900	44.1	204.8	30,200	48.3	209.0	28,500	150
155	30.1	180.4	32,100	36.1	191.6	30,400	41.2	199.3	28,800	45.7	204.3	27,200	155
160	26.0	170.8	30,700	32.7	184.1	29,100	38.2	193.1	27,500	42.9	199.1	25,900	160
164	22.1	161.4	29,500	29.7	177.3	28,000	35.6	187.6	26,500	40.6	194.5	25,000	164
165	21.1	159.0	29,200	28.9	175.6	27,800	35.0	186.3	26,300	40.0	193.3	24,800	165
169	16.0	146.3	28,000	25.4	167.4	26,800	32.1	180.0	25,300	37.5	188.2	23,900	169
170	14.7	143.1	27,700	24.6	165.4	26,600	31.4	178.5	25,100	36.9	186.9	23,700	170
174	5.6	119.5	25,100	20.4	155.2	25,700	28.3	171.2	24,200	34.2	181.2	22,900	174
175				19.4	152.7	25,400	27.5	169.4	24,000	33.6	179.7	22,600	175
180				12.1	134.3	24,300	22.9	158.6	23,000	29.9	171.5	21,700	180
183				2.1	108.5	23,600	19.5	150.1	22,400	27.4	165.7	21,100	183
185							17.2	144.5	22,000	25.7	161.8	20,700	185
190							8.1	121.3	21,000	20.8	149.9	19,800	190
191							4.3	111.2	20,800	19.5	146.6	19,700	191
195										14.3	133.6	19,000	195
199										4.2	107.5	18,300	199

# MLC250 S-3

ASME B30.5



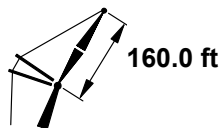
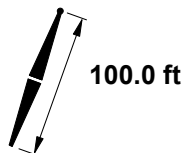
	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
51	75.9	262.9	73,500							51
55	74.4	261.8	72,500							55
60	72.5	260.3	71,500	73.8	261.1	79,700				60
65	70.6	258.6	70,600	72.0	259.5	75,300				65
70	68.7	256.7	68,200	70.1	257.8	71,300				70
73	67.6	255.4	66,100	68.9	256.6	69,100	70.9	257.9	73,200	73
75	66.8	254.6	64,700	68.1	255.8	67,600	70.1	257.2	71,700	75
80	64.8	252.3	61,400	66.2	253.6	64,100	68.2	255.3	67,900	80
85	62.8	249.8	58,300	64.2	251.3	60,800	66.3	253.1	64,500	85
86	62.4	249.2	57,800	63.8	250.8	60,200	65.9	252.6	63,800	86
90	60.8	247.0	55,500	62.2	248.7	57,800	64.3	250.8	61,200	90
95	58.7	244.1	52,900	60.1	245.9	55,000	62.3	248.2	58,200	95
100	56.6	240.8	50,400	58.0	242.9	52,400	60.2	245.4	55,400	100
105	54.4	237.3	47,400	55.9	239.5	50,000	58.1	242.4	52,800	105
107	53.5	235.8	46,200	55.0	238.1	49,100	57.3	241.0	51,800	107
110	52.1	233.5	44,300	53.7	236.0	47,800	56.0	239.1	50,300	110
115	49.8	229.4	41,500	51.4	232.1	45,700	53.8	235.5	48,100	115
120	47.4	224.9	38,900	49.1	227.8	42,900	51.5	231.6	45,900	120
125	44.9	220.1	36,500	46.7	223.2	40,300	49.2	227.4	43,000	125
128	43.3	216.8	35,200	45.1	220.2	38,900	47.7	224.6	41,500	128
130	42.3	214.7	34,300	44.1	218.2	37,900	46.8	222.8	40,400	130
135	39.5	208.8	32,300	41.5	212.7	35,800	44.2	217.8	38,000	135
140	36.6	202.4	30,500	38.6	206.7	33,800	41.6	212.3	35,800	140
145	33.4	195.1	28,900	35.6	200.0	31,900	38.8	206.3	33,800	145
147	32.0	191.8	28,300	34.3	197.0	31,200	37.6	203.6	33,100	147
150	30.0	186.8	27,500	32.4	192.4	30,200	35.8	199.6	32,000	150
155	26.1	177.3	26,200	28.8	183.8	28,600	32.5	192.1	30,300	155
160	21.6	165.7	25,200	24.8	173.7	27,200	29.0	183.6	28,700	160
165	15.9	150.5	24,200	20.0	161.3	25,800	25.0	173.6	27,200	165
170	6.0	123.5	19,600	13.7	144.3	23,800	20.2	161.3	25,800	170
174				3.5	116.3	19,200	15.2	147.9	24,800	174
175							14.0	144.5	24,600	175
179							4.6	118.8	21,000	179
180										180
184										184
185										185
190										190
193										193
195										195
200										200
201										201
205										205
209										209

# MLC250 S-3

ASME B30.5



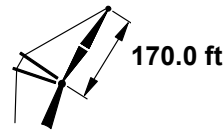
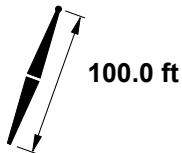
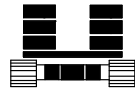
219,600 lb  
+  
80,000 lb



	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
51													51
55													55
60													60
65													65
70													70
73													73
75													75
80													80
85													85
86	67.9	254.0	67,100										86
90	66.3	252.3	64,500										90
95	64.4	250.0	61,300										95
100	62.3	247.4	57,400										100
105	60.3	244.6	53,800										105
107	59.5	243.4	52,600	62.9	246.1	49,900							107
110	58.2	241.6	50,600	61.7	244.5	48,100							110
115	56.1	238.3	47,700	59.7	241.6	45,300							115
120	53.9	234.7	45,100	57.6	238.5	42,800							120
125	51.6	230.8	42,700	55.4	235.1	40,500							125
128	50.2	228.3	41,400	54.1	232.9	39,200	57.7	235.9	37,100				128
130	49.3	226.6	40,500	53.2	231.5	38,400	56.8	234.6	36,300				130
135	46.8	222.1	38,500	50.9	227.5	36,500	54.6	231.1	34,500				135
140	44.3	217.1	36,600	48.5	223.2	34,700	52.4	227.3	32,800				140
145	41.7	211.6	34,800	46.1	218.5	33,000	50.1	223.3	31,200				145
147	40.5	209.2	34,200	45.0	216.5	32,400	49.1	221.5	30,600	52.8	224.6	28,800	147
150	38.9	205.6	33,200	43.5	213.4	31,400	47.7	218.8	29,700	51.5	222.2	28,000	150
155	35.9	199.0	31,700	40.8	207.8	30,000	45.2	214.0	28,300	49.1	218.0	26,700	155
160	32.7	191.5	30,300	38.0	201.6	28,600	42.6	208.7	27,000	46.7	213.4	25,400	160
165	29.1	183.0	28,700	34.9	194.7	27,400	39.8	202.9	25,800	44.2	208.4	24,300	165
170	25.1	173.0	27,200	31.6	186.9	26,200	36.9	196.5	24,600	41.5	202.9	23,200	170
174	21.3	163.3	26,100	28.7	179.8	25,300	34.4	190.7	23,800	39.3	198.1	22,300	174
175	20.4	160.8	25,800	28.0	178.0	25,000	33.8	189.3	23,600	38.7	196.9	22,100	175
179	15.4	147.6	24,800	24.6	169.6	24,200	31.1	182.8	22,800	36.3	191.5	21,400	179
180	14.2	144.3	24,500	23.8	167.5	24,000	30.4	181.2	22,600	35.7	190.2	21,200	180
184	5.4	120.0	22,100	19.7	157.0	23,100	27.3	173.7	21,800	33.1	184.1	20,400	184
185				18.7	154.3	22,900	26.6	171.8	21,600	32.5	182.6	20,300	185
190				11.7	135.3	21,900	22.2	160.5	20,700	28.9	174.1	19,400	190
193				2.0	108.6	21,300	18.8	151.7	20,100	26.5	168.0	18,900	193
195							16.6	145.9	19,800	24.9	164.0	18,500	195
200							7.8	121.9	18,900	20.1	151.6	17,800	200
201							4.1	111.5	18,700	18.8	148.3	17,600	201
205										13.8	134.7	17,000	205
209										4.0	107.8	16,300	209

# MLC250 S-3

ASME B30.5

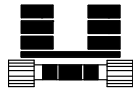


	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
54	75.7	272.5	66,000							54
55	75.3	272.2	66,000							55
60	73.6	270.8	65,100							60
63	72.5	269.8	64,600	73.8	270.6	74,600				63
65	71.8	269.2	64,300	73.1	270.0	73,100				65
70	70.0	267.4	63,500	71.3	268.4	69,400				70
75	68.2	265.4	62,700	69.5	266.6	65,900				75
76	67.9	265.0	62,200	69.1	266.1	65,200	71.0	267.5	68,900	76
80	66.4	263.3	60,000	67.7	264.5	62,600	69.6	266.0	66,200	80
85	64.5	261.0	57,000	65.8	262.4	59,500	67.7	264.0	63,000	85
90	62.7	258.4	54,300	64.0	260.0	56,600	65.9	261.8	59,900	90
95	60.7	255.7	51,800	62.1	257.4	53,900	64.0	259.4	57,000	95
100	58.8	252.7	49,400	60.1	254.6	51,400	62.1	256.9	54,300	100
105	56.8	249.5	46,600	58.2	251.5	49,000	60.2	254.1	51,800	105
110	54.7	246.1	43,700	56.1	248.2	46,900	58.2	251.0	49,400	110
112	53.9	244.6	42,700	55.3	246.8	46,100	57.4	249.7	48,500	112
115	52.6	242.3	41,100	54.1	244.7	44,900	56.2	247.8	47,200	115
120	50.4	238.3	38,600	52.0	240.9	42,500	54.2	244.2	45,200	120
125	48.2	233.9	36,300	49.8	236.7	39,900	52.0	240.4	42,600	125
130	45.9	229.2	34,200	47.5	232.3	37,500	49.9	236.3	40,000	130
133	44.4	226.1	33,000	46.1	229.4	36,200	48.5	233.6	38,600	133
135	43.5	224.1	32,200	45.2	227.4	35,300	47.6	231.8	37,600	135
140	40.9	218.5	30,400	42.7	222.2	33,300	45.3	227.0	35,400	140
145	38.3	212.3	28,700	40.2	216.4	31,500	42.8	221.8	33,400	145
150	35.4	205.6	27,300	37.4	210.1	29,800	40.3	216.0	31,500	150
153	33.6	201.0	26,500	35.7	205.9	28,800	38.6	212.2	30,500	153
155	32.4	198.0	25,900	34.5	203.1	28,200	37.5	209.7	29,800	155
160	29.0	189.4	24,700	31.4	195.3	26,700	34.7	202.8	28,200	160
165	25.3	179.5	23,700	28.0	186.3	25,400	31.5	195.0	26,800	165
170	20.9	167.5	22,900	24.0	175.9	24,100	28.1	186.1	25,400	170
175	15.4	151.9	21,400	19.4	163.0	22,900	24.2	175.7	24,100	175
180	5.8	123.9	17,200	13.2	145.5	21,000	19.6	163.0	22,900	180
184				3.4	116.5	16,900	14.8	149.2	22,000	184
185							13.5	145.7	21,800	185
189							4.5	119.2	18,600	189
190										190
194										194
195										195
200										200
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219										219

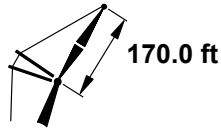
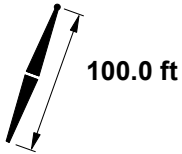


# MLC250 S-3

ASME B30.5



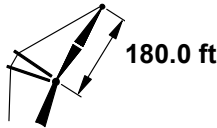
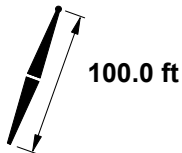
219,600 lb  
+  
80,000 lb



	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
54													54
55													55
60													60
63													63
65													65
70													70
75													75
76													76
80													80
85													85
90	67.8	263.2	63,000										90
95	66.0	261.0	60,000										95
100	64.1	258.6	57,000										100
105	62.2	256.1	53,500										105
110	60.3	253.3	50,300										110
112	59.5	252.1	49,100	62.8	254.8	46,600							112
115	58.3	250.2	47,400	61.6	253.1	44,900							115
120	56.3	247.0	44,700	59.7	250.3	42,400							120
125	54.2	243.5	42,300	57.7	247.2	40,100							125
130	52.1	239.7	40,100	55.7	243.9	38,000							130
133	50.8	237.2	38,900	54.4	241.7	36,900	57.8	244.6	34,800				133
135	49.9	235.5	38,100	53.6	240.2	36,100	57.0	243.2	34,100				135
140	47.7	231.1	36,200	51.5	236.4	34,300	55.0	239.8	32,400				140
145	45.3	226.3	34,500	49.3	232.1	32,600	52.9	236.1	30,800				145
150	42.9	221.0	32,900	47.0	227.6	31,100	50.7	232.1	29,300				150
153	41.4	217.6	32,000	45.5	224.6	30,200	49.4	229.5	28,500	52.9	232.6	26,800	153
155	40.3	215.3	31,400	44.6	222.7	29,600	48.5	227.8	27,900	52.0	231.0	26,300	155
160	37.6	209.1	29,900	42.1	217.3	28,300	46.2	223.1	26,600	49.8	226.9	25,000	160
165	34.8	202.1	28,300	39.5	211.4	27,000	43.8	218.0	25,400	47.6	222.4	23,900	165
170	31.6	194.3	26,800	36.8	204.9	25,800	41.2	212.5	24,300	45.2	217.6	22,800	170
175	28.2	185.5	25,400	33.8	197.8	24,700	38.6	206.4	23,200	42.8	212.3	21,800	175
180	24.3	175.2	24,100	30.6	189.7	23,600	35.8	199.7	22,200	40.2	206.6	20,800	180
184	20.7	165.1	23,100	27.8	182.3	22,800	33.3	193.7	21,400	38.0	201.5	20,100	184
185	19.8	162.6	22,900	27.1	180.4	22,600	32.7	192.3	21,200	37.5	200.3	19,900	185
189	15.0	148.9	22,000	23.8	171.7	21,900	30.1	185.5	20,500	35.2	194.7	19,200	189
190	13.8	145.5	21,700	23.0	169.5	21,700	29.4	183.8	20,300	34.6	193.3	19,000	190
194	5.2	120.4	19,600	19.1	158.6	21,000	26.5	176.0	19,700	32.1	187.0	18,400	194
195				18.2	155.9	20,800	25.8	174.1	19,500	31.5	185.5	18,200	195
200				11.3	136.3	19,900	21.5	162.4	18,700	28.0	176.6	17,400	200
203				2.0	108.7	19,300	18.3	153.3	18,200	25.7	170.3	17,000	203
205							16.1	147.3	17,900	24.1	166.1	16,700	205
210							7.6	122.5	17,100	19.5	153.3	16,000	210
211							4.0	111.8	16,900	18.3	149.8	15,800	211
215										13.4	135.9	15,200	215
219										3.9	108.1	14,700	219

# MLC250 S-3

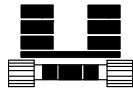
ASME B30.5



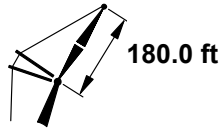
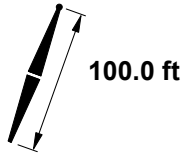
	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
56	75.9	282.3	59,400							56
60	74.5	281.2	59,000							60
65	72.9	279.7	58,700	74.0	280.5	67,100				65
70	71.2	278.0	57,900	72.4	278.9	66,800				70
75	69.5	276.2	57,200	70.7	277.2	63,800				75
80	67.8	274.2	56,500	69.0	275.3	60,700	70.7	276.7	64,200	80
85	66.1	272.0	55,500	67.3	273.3	57,800	69.1	274.8	61,100	85
90	64.3	269.7	52,900	65.5	271.1	55,100	67.3	272.8	58,200	90
94	62.9	267.6	50,900	64.1	269.1	53,100	65.9	271.0	56,000	94
95	62.5	267.1	50,400	63.8	268.6	52,600	65.6	270.5	55,500	95
100	60.7	264.4	48,200	62.0	266.0	50,100	63.8	268.1	53,000	100
105	58.8	261.4	45,500	60.1	263.2	47,800	62.0	265.5	50,500	105
110	57.0	258.2	42,900	58.3	260.2	45,700	60.2	262.7	48,300	110
115	55.0	254.8	40,400	56.4	256.9	43,800	58.3	259.7	46,200	115
116	54.6	254.0	40,000	56.0	256.2	43,400	58.0	259.1	45,700	116
120	53.0	251.1	38,100	54.4	253.4	41,900	56.4	256.5	44,100	120
125	51.0	247.1	35,900	52.4	249.7	39,400	54.5	253.0	42,100	125
130	48.9	242.9	33,900	50.4	245.6	37,000	52.5	249.2	39,500	130
135	46.8	238.3	32,000	48.3	241.3	34,800	50.5	245.2	37,100	135
138	45.4	235.3	30,900	47.0	238.4	33,600	49.2	242.6	35,800	138
140	44.5	233.3	30,200	46.1	236.6	32,800	48.4	240.8	34,900	140
145	42.2	227.9	28,600	43.8	231.5	31,000	46.2	236.1	32,900	145
150	39.7	222.1	27,100	41.5	226.0	29,300	43.9	231.1	31,000	150
155	37.1	215.7	25,700	39.0	220.0	27,700	41.5	225.6	29,300	155
159	34.9	210.1	24,800	36.9	214.7	26,500	39.6	220.8	28,000	159
160	34.4	208.7	24,500	36.3	213.4	26,200	39.1	219.6	27,700	160
165	31.4	200.8	23,400	33.5	206.1	24,800	36.4	213.0	26,200	165
170	28.2	191.9	22,400	30.5	198.0	23,500	33.6	205.8	24,800	170
175	24.6	181.7	21,600	27.1	188.7	22,300	30.6	197.7	23,600	175
180	20.3	169.3	20,500	23.3	177.9	21,200	27.3	188.5	22,300	180
185	14.9	153.2	18,800	18.8	164.7	20,200	23.5	177.8	21,200	185
190	5.6	124.4	14,900	12.9	146.6	18,400	19.0	164.6	20,200	190
194				3.3	116.8	14,600	14.3	150.4	19,400	194
195							13.1	146.8	19,200	195
199							4.4	119.5	16,200	199
200										200
204										204
205										205
210										210
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229										229

# MLC250 S-3

ASME B30.5



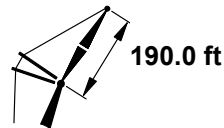
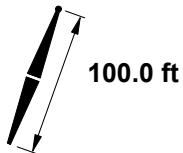
219,600 lb  
+  
80,000 lb



	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
56													56
60													60
65													65
70													70
75													75
80													80
85													85
90													90
94	67.7	272.4	58,800										94
95	67.4	271.9	58,200										95
100	65.6	269.7	55,600										100
105	63.9	267.3	53,000										105
110	62.1	264.7	49,800										110
115	60.3	261.9	46,900										115
116	59.9	261.3	46,400	63.0	264.0	43,900							116
120	58.4	258.9	44,300	61.5	261.8	41,900							120
125	56.5	255.7	41,900	59.7	258.9	39,600							125
130	54.6	252.2	39,700	57.8	255.9	37,500							130
135	52.6	248.4	37,700	55.9	252.6	35,600							135
138	51.3	246.0	36,500	54.7	250.4	34,500	57.9	253.2	32,500				138
140	50.5	244.4	35,800	54.0	249.0	33,800	57.2	251.9	31,800				140
145	48.4	240.1	34,000	52.0	245.2	32,100	55.2	248.5	30,200				145
150	46.2	235.4	32,400	49.9	241.0	30,600	53.3	244.9	28,800				150
155	44.0	230.3	30,900	47.8	236.6	29,100	51.3	240.9	27,400				155
159	42.1	226.0	29,700	46.0	232.8	28,100	49.6	237.6	26,400	52.9	240.6	24,700	159
160	41.6	224.9	29,300	45.6	231.8	27,800	49.2	236.7	26,100	52.5	239.8	24,500	160
165	39.1	218.9	27,700	43.3	226.6	26,500	47.0	232.2	24,900	50.4	235.8	23,300	165
170	36.5	212.4	26,200	40.9	221.0	25,400	44.8	227.3	23,800	48.3	231.4	22,200	170
175	33.7	205.1	24,900	38.4	214.9	24,200	42.5	221.9	22,700	46.1	226.7	21,200	175
180	30.7	197.1	23,600	35.7	208.2	23,200	40.0	216.1	21,700	43.9	221.6	20,300	180
185	27.4	187.9	22,400	32.8	200.7	22,200	37.5	209.8	20,800	41.5	216.1	19,400	185
190	23.6	177.3	21,200	29.7	192.3	21,300	34.7	202.9	19,900	39.0	210.1	18,500	190
194	20.1	166.8	20,400	27.0	184.7	20,500	32.4	196.7	19,200	36.9	204.9	17,900	194
195	19.2	164.2	20,100	26.3	182.8	20,400	31.8	195.1	19,000	36.4	203.6	17,700	195
199	14.5	150.2	19,300	23.2	173.8	19,700	29.2	188.1	18,400	34.1	197.8	17,100	199
200	13.4	146.6	19,100	22.4	171.5	19,500	28.6	186.4	18,200	33.6	196.3	16,900	200
204	5.0	120.8	17,200	18.6	160.3	18,800	25.7	178.3	17,600	31.1	189.8	16,300	204
205				17.6	157.5	18,700	25.0	176.3	17,400	30.5	188.2	16,200	205
210				11.0	137.2	17,900	20.8	164.2	16,700	27.2	179.0	15,500	210
213				1.9	108.8	17,300	17.7	154.9	16,300	24.9	172.5	15,100	213
215							15.6	148.7	16,000	23.4	168.2	14,800	215
220							7.4	123.2	15,200	18.9	155.0	14,200	220
221							3.8	112.1	15,100	17.7	151.4	14,000	221
225										13.0	137.0	13,500	225
229										3.8	108.4	13,000	229

# MLC250 S-3

ASME B30.5



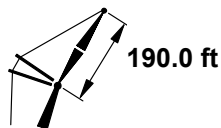
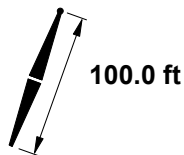
ft	88°			86°			83°			ft
	ft	lb	ft	ft	lb	ft	ft	lb	ft	
58	76.0	292.1	53,200							58
60	75.4	291.6	53,000							60
65	73.8	290.1	52,600							65
68	72.9	289.2	52,300	74.0	290.0	59,000				68
70	72.2	288.6	52,100	73.3	289.4	59,000				70
75	70.6	286.9	51,700	71.7	287.8	59,000				75
80	69.0	285.0	51,200	70.1	286.0	58,800				80
83	68.0	283.7	50,900	69.2	284.9	57,200	70.8	286.2	57,100	83
85	67.4	282.9	50,700	68.5	284.1	56,100	70.2	285.5	57,000	85
90	65.7	280.7	50,100	66.9	282.0	53,500	68.6	283.6	56,500	90
95	64.1	278.3	49,100	65.2	279.8	51,100	67.0	281.5	53,900	95
97	63.4	277.3	48,200	64.6	278.8	50,200	66.3	280.6	53,000	97
100	62.4	275.8	46,900	63.6	277.3	48,800	65.3	279.2	51,500	100
105	60.7	273.0	44,600	61.9	274.7	46,700	63.6	276.8	49,200	105
110	58.9	270.1	42,200	60.1	271.9	44,700	61.9	274.2	47,100	110
115	57.1	266.9	40,000	58.4	268.9	42,700	60.2	271.4	45,000	115
120	55.3	263.5	37,800	56.6	265.6	40,900	58.4	268.4	43,100	120
121	54.9	262.8	37,400	56.2	264.9	40,600	58.1	267.7	42,700	121
125	53.4	259.9	35,700	54.7	262.2	39,200	56.6	265.1	41,300	125
130	51.5	256.0	33,800	52.9	258.4	37,100	54.8	261.7	39,600	130
135	49.6	251.8	32,000	50.9	254.5	34,900	52.9	258.0	37,200	135
140	47.5	247.3	30,300	48.9	250.2	32,900	51.0	254.0	35,000	140
143	46.3	244.4	29,300	47.7	247.4	31,700	49.8	251.5	33,800	143
145	45.4	242.5	28,700	46.9	245.6	31,000	49.0	249.8	32,900	145
150	43.3	237.3	27,200	44.8	240.7	29,200	47.0	245.2	31,000	150
155	41.0	231.7	25,800	42.6	235.4	27,600	44.9	240.3	29,300	155
160	38.6	225.6	24,600	40.3	229.6	26,100	42.7	235.0	27,700	160
165	36.1	219.0	23,400	37.9	223.4	24,700	40.4	229.3	26,200	165
170	33.4	211.7	22,400	35.3	216.6	23,400	38.0	223.0	24,800	170
175	30.6	203.5	21,400	32.6	209.0	22,200	35.4	216.2	23,400	175
180	27.4	194.4	20,300	29.6	200.6	21,100	32.7	208.7	22,200	180
185	23.9	183.8	19,300	26.4	191.1	20,000	29.8	200.4	21,100	185
190	19.8	171.0	18,300	22.7	179.9	19,000	26.5	190.9	20,000	190
195	14.5	154.4	16,700	18.3	166.3	18,000	22.9	179.8	19,000	195
200	5.5	124.8	13,200	12.5	147.6	16,400	18.5	166.3	18,000	200
204				3.2	117.0	12,900	13.9	151.6	17,300	204
205							12.8	147.9	17,100	205
209							4.2	119.9	14,400	209
210										210
214										214
220										220
223										223
230										230
231										231
239										239

# MLC250 S-3

ASME B30.5



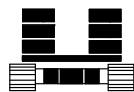
219,600 lb  
+  
80,000 lb



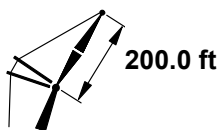
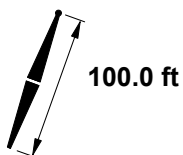
	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
58													58
60													60
65													65
68													68
70													70
75													75
80													80
83													83
85													85
90													90
95													95
97	68.0	281.9	55,300										97
100	67.0	280.7	53,900										100
105	65.4	278.4	51,600										105
110	63.7	276.0	49,400										110
115	62.0	273.4	46,700										115
120	60.2	270.6	44,100										120
121	59.9	270.0	43,600	62.8	272.6	41,200							121
125	58.5	267.6	41,700	61.5	270.5	39,400							125
130	56.7	264.4	39,500	59.7	267.6	37,300							130
135	54.9	260.9	37,400	57.9	264.5	35,400							135
140	53.0	257.2	35,600	56.1	261.2	33,600							140
143	51.8	254.8	34,500	55.0	259.1	32,600	58.0	261.9	30,600				143
145	51.1	253.2	33,800	54.3	257.7	31,900	57.3	260.6	30,000				145
150	49.1	249.0	32,200	52.4	253.9	30,400	55.5	257.2	28,500				150
155	47.0	244.5	30,700	50.5	249.9	28,900	53.6	253.6	27,200				155
160	44.9	239.6	29,300	48.5	245.6	27,600	51.7	249.8	25,900				160
165	42.7	234.3	27,700	46.4	240.9	26,300	49.8	245.6	24,700	52.9	248.6	23,100	165
170	40.5	228.6	26,200	44.3	235.9	25,200	47.8	241.2	23,600	51.0	244.6	22,000	170
175	38.1	222.4	24,800	42.1	230.5	24,000	45.7	236.4	22,500	49.0	240.4	21,000	175
180	35.5	215.6	23,500	39.7	224.7	23,000	43.5	231.3	21,500	46.9	235.8	20,100	180
185	32.8	208.1	22,200	37.3	218.3	22,000	41.3	225.7	20,600	44.8	230.9	19,200	185
190	29.9	199.8	21,100	34.7	211.3	21,100	38.9	219.7	19,700	42.6	225.6	18,300	190
195	26.6	190.3	20,000	31.9	203.6	20,200	36.4	213.1	18,800	40.3	219.8	17,500	195
200	23.0	179.3	19,000	28.9	194.9	19,300	33.8	205.9	18,000	37.9	213.6	16,700	200
204	19.5	168.5	18,200	26.2	187.0	18,700	31.5	199.5	17,400	35.9	208.1	16,200	204
205	18.7	165.9	18,000	25.6	185.0	18,500	30.9	197.9	17,300	35.4	206.8	16,000	205
209	14.1	151.4	17,300	22.5	175.7	17,900	28.4	190.6	16,700	33.2	200.7	15,400	209
210	13.0	147.8	17,100	21.8	173.4	17,800	27.8	188.8	16,500	32.6	199.2	15,300	210
214	4.9	121.2	15,300	17.3	159.3	17,200	24.8	179.7	16,000	30.2	192.1	14,800	214
220				10.7	138.2	16,300	20.3	166.0	15,100	26.4	181.3	14,000	220
223				1.8	109.0	15,600	16.3	153.3	14,700	24.0	173.9	13,600	223
230							7.2	123.8	13,800	18.4	156.6	12,800	230
231							3.7	112.4	13,700	16.8	151.3	12,700	231
239										3.6	108.6	11,700	239

# MLC250 S-3

ASME B30.5



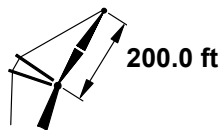
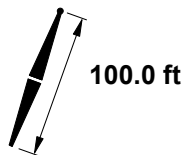
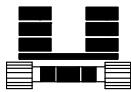
219,600 lb  
+  
80,000 lb



	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
61	75.8	301.6	48,000							61
65	74.6	300.6	47,600							65
70	73.1	299.1	47,100							70
71	72.8	298.7	47,100	73.9	299.6	53,900				71
75	71.6	297.4	46,700	72.7	298.3	53,600				75
80	70.1	295.7	46,200	71.2	296.7	53,100				80
85	68.6	293.8	45,800	69.6	294.8	52,700				85
86	68.3	293.3	45,700	69.3	294.4	52,500	70.9	295.8	51,300	86
90	67.0	291.7	45,400	68.1	292.9	51,900	69.7	294.3	51,000	90
95	65.5	289.4	45,000	66.6	290.8	49,600	68.2	292.3	50,800	95
100	63.9	287.0	44,600	65.0	288.5	47,500	66.6	290.2	50,000	100
101	63.5	286.5	44,200	64.7	288.0	47,000	66.3	289.8	49,600	101
105	62.3	284.4	42,900	63.4	286.0	45,400	65.0	287.9	47,900	105
110	60.6	281.7	40,900	61.8	283.4	43,400	63.4	285.5	45,800	110
115	59.0	278.7	38,900	60.1	280.5	41,600	61.8	282.9	43,800	115
120	57.3	275.6	36,900	58.4	277.5	39,900	60.2	280.0	42,000	120
125	55.5	272.2	35,100	56.7	274.3	38,200	58.5	277.0	40,200	125
130	53.8	268.6	33,200	55.0	270.9	36,600	56.8	273.8	38,600	130
135	52.0	264.8	31,600	53.2	267.2	34,400	55.1	270.4	36,700	135
140	50.1	260.7	29,900	51.4	263.3	32,300	53.3	266.7	34,500	140
145	48.2	256.3	28,400	49.5	259.1	30,500	51.5	262.8	32,400	145
149	46.6	252.5	27,300	48.0	255.5	29,100	50.0	259.5	30,900	149
150	46.2	251.6	27,000	47.6	254.6	28,700	49.6	258.7	30,500	150
155	44.2	246.6	25,600	45.6	249.9	27,100	47.7	254.2	28,800	155
160	42.1	241.2	24,400	43.6	244.7	25,600	45.7	249.4	27,200	160
165	39.9	235.3	23,200	41.4	239.2	24,200	43.7	244.3	25,600	165
170	37.6	229.0	22,100	39.2	233.2	22,900	41.5	238.8	24,200	170
171	37.1	227.7	21,800	38.7	231.9	22,700	41.1	237.6	24,000	171
175	35.2	222.2	20,900	36.9	226.7	21,700	39.3	232.9	22,900	175
180	32.6	214.6	19,800	34.4	219.7	20,500	37.0	226.4	21,700	180
185	29.8	206.2	18,800	31.7	211.9	19,500	34.5	219.4	20,600	185
190	26.7	196.7	17,800	28.9	203.2	18,400	31.8	211.6	19,500	190
195	23.3	185.8	16,900	25.7	193.3	17,500	29.0	202.9	18,400	195
200	19.2	172.7	16,000	22.1	181.9	16,600	25.8	193.1	17,500	200
205	14.1	155.6	14,500	17.8	167.8	15,700	22.3	181.7	16,600	205
210	5.3	125.3	11,200	12.2	148.7	14,200	18.0	167.8	15,700	210
214				3.1	117.3	11,000	11.8	146.7	14,200	214
219							4.1	120.2	12,400	219
220										220
224										224
230										230
233										233
240										240
241										241
249										249

# MLC250 S-3

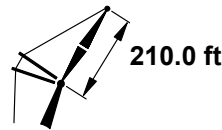
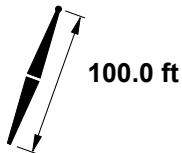
ASME B30.5



	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
61													61
65													65
70													70
71													71
75													75
80													80
85													85
86													86
90													90
95													95
100													100
101	67.9	291.1	51,800										101
105	66.7	289.4	50,000										105
110	65.1	287.1	47,900										110
115	63.5	284.7	45,900										115
120	61.9	282.1	43,600										120
125	60.2	279.2	41,200	63.0	281.8	38,900							125
130	58.6	276.2	39,000	61.4	279.1	36,800							130
135	56.9	273.0	37,000	59.7	276.3	34,900							135
140	55.1	269.6	35,100	58.1	273.2	33,100							140
145	53.4	266.0	33,400	56.3	269.9	31,400							145
149	51.9	262.8	32,100	54.9	267.1	30,200	57.8	269.9	28,300				149
150	51.5	262.1	31,800	54.6	266.4	29,900	57.5	269.3	28,000				150
155	49.7	257.9	30,300	52.8	262.7	28,500	55.7	265.9	26,700				155
160	47.8	253.5	28,800	51.0	258.8	27,100	54.0	262.4	25,400				160
165	45.8	248.7	27,200	49.1	254.5	25,900	52.2	258.6	24,200				165
170	43.7	243.6	25,700	47.2	250.0	24,700	50.3	254.5	23,100				170
171	43.3	242.5	25,400	46.8	249.0	24,500	49.9	253.6	22,900	52.9	256.6	21,300	171
175	41.6	238.1	24,300	45.2	245.1	23,600	48.4	250.1	22,000	51.4	253.4	20,500	175
180	39.4	232.2	23,000	43.1	239.9	22,500	46.5	245.5	21,000	49.6	249.3	19,500	180
185	37.0	225.7	21,700	40.9	234.3	21,600	44.5	240.5	20,100	47.6	244.8	18,600	185
190	34.6	218.7	20,600	38.7	228.2	20,600	42.4	235.2	19,200	45.7	240.0	17,800	190
195	31.9	211.0	19,500	36.3	221.6	19,700	40.2	229.4	18,300	43.6	234.9	17,000	195
200	29.1	202.3	18,500	33.8	214.3	18,900	37.9	223.1	17,500	41.5	229.4	16,200	200
205	25.9	192.6	17,500	31.1	206.4	18,100	35.4	216.3	16,800	39.3	223.4	15,500	205
210	22.4	181.3	16,600	28.2	197.4	17,300	32.9	208.8	16,100	36.9	216.9	14,800	210
214	18.5	168.3	15,900	25.4	188.6	16,800	30.6	201.8	15,500	34.9	211.0	14,300	214
219	13.6	152.1	15,100	21.9	177.5	16,100	27.7	193.0	14,800	32.3	203.6	13,700	219
220	12.7	148.9	14,900	21.2	175.3	15,900	27.1	191.2	14,700	31.8	202.1	13,500	220
224	4.8	121.6	13,300	16.9	160.8	15,400	24.1	181.8	14,200	29.4	194.7	13,100	224
230				10.4	139.0	14,600	19.7	167.7	13,500	25.8	183.6	12,300	230
233				1.8	109.1	13,600	15.9	154.7	13,100	23.4	176.0	12,000	233
240							7.0	124.3	12,200	17.9	158.2	11,200	240
241							3.6	112.7	12,100	16.3	152.7	11,100	241
249										3.5	108.9	10,200	249

# MLC250 S-3

ASME B30.5

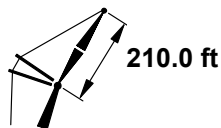
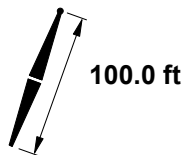


	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
63	75.9	311.4	43,400							63
65	75.4	310.9	43,200							65
70	74.0	309.5	42,800							70
74	72.8	308.3	42,400	73.8	309.1	48,600				74
75	72.5	308.0	42,300	73.5	308.8	48,500				75
80	71.1	306.3	41,900	72.1	307.2	48,100				80
85	69.6	304.5	41,500	70.7	305.5	47,600				85
89	68.5	302.9	41,100	69.5	304.0	47,300	71.0	305.3	46,100	89
90	68.2	302.5	41,000	69.2	303.6	47,200	70.7	305.0	46,000	90
95	66.7	300.4	40,600	67.7	301.6	46,700	69.3	303.1	45,700	95
100	65.2	298.1	40,200	66.2	299.5	46,200	67.8	301.1	45,400	100
105	63.7	295.7	39,800	64.7	297.2	44,200	66.3	298.9	45,100	105
110	62.2	293.1	39,300	63.2	294.7	42,400	64.8	296.6	44,700	110
115	60.6	290.3	37,600	61.7	292.0	40,600	63.3	294.2	42,900	115
120	59.0	287.4	35,800	60.1	289.2	39,000	61.7	291.5	41,000	120
125	57.4	284.2	34,200	58.5	286.2	37,400	60.2	288.7	39,400	125
130	55.8	280.9	32,500	56.9	283.0	35,900	58.6	285.7	37,800	130
135	54.1	277.3	31,000	55.2	279.6	33,900	57.0	282.5	36,300	135
140	52.4	273.6	29,500	53.6	276.0	31,900	55.3	279.1	34,000	140
145	50.6	269.5	28,000	51.8	272.1	30,000	53.6	275.5	32,000	145
150	48.8	265.2	26,700	50.1	268.0	28,300	51.9	271.6	30,100	150
154	47.3	261.6	25,700	48.6	264.5	27,000	50.5	268.4	28,700	154
155	47.0	260.7	25,400	48.3	263.6	26,600	50.1	267.5	28,300	155
160	45.1	255.8	24,200	46.4	258.9	25,100	48.3	263.2	26,700	160
165	43.1	250.5	22,800	44.5	254.0	23,700	46.5	258.5	25,200	165
170	41.0	244.9	21,600	42.5	248.6	22,400	44.5	253.5	23,800	170
175	38.9	238.9	20,400	40.4	242.9	21,200	42.6	248.2	22,500	175
177	38.0	236.3	20,000	39.5	240.4	20,800	41.7	245.9	22,000	177
180	36.7	232.4	19,300	38.2	236.7	20,100	40.5	242.5	21,200	180
185	34.3	225.2	18,300	35.9	230.0	19,000	38.3	236.3	20,100	185
190	31.8	217.4	17,300	33.5	222.7	18,000	36.0	229.7	19,000	190
195	29.0	208.8	16,400	30.9	214.7	17,000	33.6	222.4	18,000	195
200	26.0	199.1	15,500	28.1	205.7	16,100	31.1	214.4	17,000	200
205	22.7	187.8	14,700	25.1	195.6	15,300	28.3	205.5	16,100	205
210	18.8	174.4	13,900	21.6	183.8	14,500	25.2	195.4	15,300	210
220	5.2	125.7	9,500	11.9	149.7	12,300	17.6	169.4	13,700	220
224				3.0	117.5	9,300	11.5	147.7	12,300	224
229							4.0	120.5	10,600	229
230										230
234										234
240										240
243										243
250										250
251										251
259										259



# MLC250 S-3

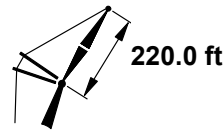
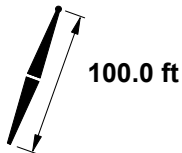
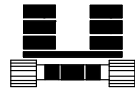
ASME B30.5



	80°			75°			70°			65°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
63													63
65													65
70													70
74													74
75													75
80													80
85													85
89													89
90													90
95													95
100													100
105	67.8	300.3	48,100										105
110	66.4	298.1	46,700										110
115	64.9	295.8	44,700										115
120	63.3	293.4	43,000										120
125	61.8	290.7	40,800										125
130	60.2	287.9	38,600	62.9	290.5	36,400							130
135	58.6	284.9	36,600	61.3	287.8	34,500							135
140	57.0	281.7	34,700	59.7	284.9	32,700							140
145	55.4	278.3	33,000	58.1	281.9	31,000							145
150	53.7	274.7	31,400	56.5	278.6	29,500							150
154	52.3	271.6	30,200	55.2	275.9	28,400	57.9	278.6	26,500				154
155	52.0	270.9	29,900	54.9	275.2	28,100	57.6	278.0	26,300				155
160	50.2	266.8	28,400	53.2	271.5	26,700	55.9	274.6	25,000				160
165	48.4	262.4	26,800	51.4	267.6	25,500	54.3	271.1	23,800				165
170	46.5	257.8	25,200	49.7	263.4	24,300	52.6	267.3	22,700				170
175	44.6	252.8	23,800	47.8	259.0	23,200	50.8	263.3	21,600				175
177	43.8	250.7	23,300	47.1	257.1	22,800	50.1	261.6	21,200	52.9	264.6	19,700	177
180	42.6	247.5	22,500	46.0	254.2	22,200	49.0	259.1	20,600	51.9	262.2	19,100	180
185	40.5	241.8	21,300	44.0	249.2	21,200	47.2	254.5	19,700	50.1	258.1	18,200	185
190	38.4	235.7	20,100	42.0	243.7	20,300	45.3	249.7	18,800	48.3	253.8	17,400	190
195	36.1	229.0	19,000	39.9	237.9	19,400	43.3	244.5	18,000	46.4	249.1	16,600	195
200	33.7	221.7	18,000	37.7	231.6	18,500	41.3	238.9	17,200	44.5	244.1	15,800	200
205	31.1	213.8	17,000	35.4	224.8	17,700	39.1	233.0	16,400	42.5	238.8	15,100	205
210	28.4	204.9	16,100	32.9	217.3	17,000	36.9	226.5	15,700	40.4	233.1	14,400	210
220	21.8	183.2	14,400	27.5	199.9	15,600	32.1	211.7	14,400	36.0	220.2	13,200	220
224	18.0	169.9	13,800	24.7	190.8	15,000	29.8	204.5	13,900	34.0	214.1	12,700	224
229	13.3	153.2	13,100	21.3	179.4	14,300	27.0	195.4	13,200	31.5	206.4	12,100	229
230	12.4	149.9	12,900	20.7	177.1	14,100	26.4	193.6	13,100	31.0	204.9	12,000	230
234	4.6	121.9	11,400	16.5	162.2	13,500	23.5	183.9	12,700	28.6	197.2	11,500	234
240				10.1	139.9	12,600	19.3	169.4	12,000	25.1	185.8	10,900	240
243				1.7	109.2	11,700	15.5	156.0	11,600	22.8	178.0	10,600	243
250							6.8	124.9	10,900	17.5	159.7	9,900	250
251							3.5	113.0	10,700	15.9	154.1	9,800	251
259										3.4	109.2	9,000	259

# MLC250 S-3

ASME B30.5



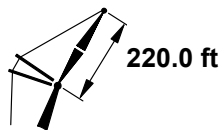
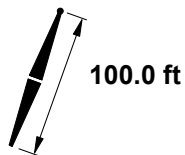
	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
66	75.8	321.0	39,200							66
70	74.7	319.9	38,800							70
75	73.4	318.5	38,400							75
76	73.1	318.1	38,300	74.0	318.9	43,900				76
80	72.0	316.9	38,000	72.9	317.7	43,500				80
85	70.6	315.1	37,500	71.6	316.1	43,100				85
90	69.2	313.3	37,100	70.2	314.3	42,600				90
93	68.4	312.1	36,900	69.4	313.2	42,400	70.8	314.5	41,400	93
95	67.8	311.3	36,700	68.8	312.4	42,200	70.2	313.8	41,300	95
100	66.4	309.1	36,300	67.4	310.4	41,800	68.9	311.9	40,900	100
105	65.0	306.8	35,900	66.0	308.2	41,400	67.4	309.8	40,600	105
109	63.8	304.9	35,600	64.8	306.3	41,000	66.3	308.1	40,300	109
110	63.5	304.4	35,500	64.5	305.8	40,900	66.0	307.7	40,300	110
115	62.1	301.8	35,200	63.1	303.4	39,500	64.6	305.3	39,900	115
120	60.6	299.0	34,600	61.6	300.7	37,900	63.1	302.8	39,600	120
125	59.1	296.1	33,100	60.1	297.9	36,400	61.7	300.2	38,200	125
130	57.5	292.9	31,700	58.6	294.9	34,900	60.2	297.4	36,700	130
134	56.3	290.3	30,600	57.3	292.3	33,700	58.9	295.0	35,600	134
135	56.0	289.6	30,300	57.0	291.7	33,400	58.6	294.4	35,300	135
140	54.4	286.1	28,900	55.5	288.3	31,400	57.1	291.2	33,500	140
145	52.7	282.3	27,500	53.9	284.7	29,500	55.5	287.8	31,500	145
150	51.1	278.4	26,300	52.2	280.9	27,700	53.9	284.2	29,600	150
155	49.4	274.2	25,100	50.6	276.9	26,100	52.3	280.4	27,800	155
159	48.0	270.6	23,900	49.2	273.4	24,900	51.0	277.2	26,500	159
160	47.6	269.7	23,600	48.8	272.6	24,600	50.6	276.4	26,200	160
165	45.8	264.9	22,300	47.1	268.0	23,200	48.9	272.1	24,700	165
170	44.0	259.8	21,100	45.3	263.1	21,900	47.1	267.6	23,300	170
175	42.0	254.4	19,900	43.4	258.0	20,700	45.3	262.7	22,000	175
180	40.0	248.6	18,800	41.4	252.4	19,500	43.5	257.6	20,700	180
183	38.8	244.8	18,200	40.2	248.9	18,900	42.3	254.2	20,000	183
185	38.0	242.3	17,800	39.4	246.5	18,500	41.5	252.0	19,600	185
190	35.8	235.6	16,800	37.3	240.1	17,400	39.5	246.1	18,500	190
200	31.0	220.2	15,000	32.7	225.6	15,600	35.2	232.8	16,500	200
210	25.4	201.3	13,400	27.5	208.1	13,900	30.3	217.1	14,700	210
220	18.3	176.0	12,000	21.1	185.6	12,400	24.6	197.6	13,100	220
230	5.0	126.1	7,800	11.6	150.7	10,400	17.2	170.9	11,700	230
234				2.9	117.7	7,600	11.3	148.6	10,400	234
239							3.9	120.8	8,800	239
240										240
244										244
250										250
253										253
260										260
261										261
269										269

# MLC250 S-3

ASME B30.5



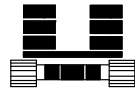
219,600 lb  
+  
80,000 lb



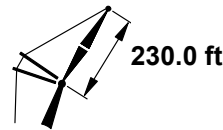
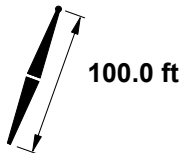
	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
66													66
70													70
75													75
76													76
80													80
85													85
90													90
93													93
95													95
100													100
105													105
109	67.8	309.4	43,100										109
110	67.5	309.0	43,000										110
115	66.1	306.8	42,800										115
120	64.6	304.5	41,600										120
125	63.2	302.0	39,900										125
130	61.7	299.4	38,200										130
134	60.5	297.1	36,600	63.0	299.7	34,300							134
135	60.2	296.6	36,200	62.7	299.2	34,000							135
140	58.7	293.6	34,300	61.3	296.5	32,200							140
145	57.2	290.4	32,600	59.8	293.6	30,500							145
150	55.6	287.0	31,000	58.2	290.5	29,000							150
155	54.0	283.5	29,500	56.7	287.3	27,600							155
159	52.7	280.4	28,200	55.4	284.6	26,500	58.0	287.3	24,700				159
160	52.4	279.7	27,900	55.1	283.9	26,200	57.7	286.6	24,500				160
165	50.7	275.6	26,200	53.5	280.2	25,000	56.1	283.3	23,300				165
170	49.0	271.4	24,700	51.8	276.4	23,800	54.5	279.8	22,200				170
175	47.2	266.8	23,300	50.2	272.3	22,700	52.9	276.1	21,100				175
180	45.4	262.0	22,000	48.4	267.9	21,700	51.3	272.2	20,100				180
183	44.3	258.9	21,200	47.4	265.2	21,100	50.2	269.7	19,600	52.9	272.6	18,100	183
185	43.5	256.8	20,800	46.7	263.3	20,700	49.6	268.0	19,200	52.3	271.0	17,700	185
190	41.6	251.3	19,600	44.8	258.4	19,800	47.8	263.5	18,300	50.6	267.0	16,900	190
200	37.5	239.1	17,500	41.0	247.5	18,100	44.2	253.8	16,700	47.1	258.2	15,300	200
210	32.9	224.7	15,600	36.8	234.9	16,500	40.3	242.6	15,200	43.4	248.1	13,900	210
220	27.7	207.3	13,900	32.2	220.2	15,100	36.0	229.7	13,900	39.5	236.7	12,700	220
230	21.3	185.0	12,400	26.8	202.3	13,600	31.3	214.5	12,700	35.1	223.4	11,500	230
234	17.6	171.4	11,800	24.2	192.9	13,000	29.1	207.1	12,200	33.2	217.0	11,100	234
239	13.0	154.4	11,200	20.8	181.2	12,300	26.3	197.7	11,600	30.7	209.1	10,500	239
240	12.1	151.0	11,000	20.2	178.9	12,100	25.8	195.9	11,500	30.3	207.6	10,400	240
244	4.5	122.3	9,600	16.1	163.6	11,600	23.0	185.9	11,100	28.0	199.7	10,000	244
250				9.9	140.8	10,800	18.8	171.0	10,500	24.5	188.0	9,400	250
253				1.7	109.3	9,900	15.1	157.4	10,200	22.3	179.9	9,200	253
260							6.6	125.5	9,500	17.1	161.2	8,500	260
261							3.4	113.3	9,300	15.5	155.4	8,400	261
269										3.4	109.4	7,600	269

# MLC250 S-3

ASME B30.5



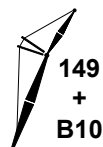
219,600 lb  
+  
80,000 lb



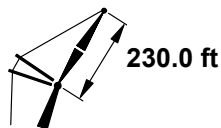
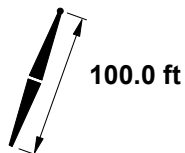
	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
68	75.9	330.8	36,300						68	
70	75.4	330.3	36,100						70	
75	74.1	328.9	35,800						75	
79	73.1	327.7	35,500	74.0	328.5	40,800			79	
80	72.8	327.4	35,400	73.7	328.2	40,800			80	
85	71.5	325.7	35,000	72.4	326.6	40,400			85	
90	70.2	324.0	34,600	71.1	324.9	40,000			90	
95	68.8	322.1	34,300	69.8	323.1	39,600			95	
96	68.6	321.7	34,200	69.5	322.7	39,500	70.9	324.0	38,900	96
100	67.5	320.0	33,900	68.4	321.2	39,200	69.8	322.6	38,700	100
105	66.1	317.8	33,600	67.1	319.1	38,800	68.5	320.7	38,400	105
110	64.8	315.5	33,200	65.7	316.9	38,500	67.1	318.6	38,100	110
112	64.2	314.5	33,100	65.2	315.9	38,300	66.6	317.7	38,000	112
115	63.4	313.1	32,900	64.3	314.5	38,100	65.8	316.4	37,800	115
120	62.0	310.4	32,600	62.9	312.0	36,800	64.4	314.0	37,500	120
125	60.5	307.7	31,300	61.5	309.4	35,300	63.0	311.5	37,200	125
130	59.1	304.7	30,100	60.1	306.5	33,900	61.6	308.8	35,700	130
135	57.6	301.6	28,800	58.7	303.5	32,600	60.2	306.0	34,300	135
139	56.4	299.0	27,800	57.5	301.0	31,300	59.0	303.6	33,200	139
140	56.1	298.3	27,600	57.2	300.4	31,000	58.7	303.0	33,000	140
145	54.6	294.8	26,400	55.7	297.0	29,100	57.2	299.9	31,000	145
150	53.1	291.1	25,300	54.1	293.4	27,300	55.7	296.5	29,100	150
155	51.5	287.2	24,200	52.6	289.7	25,700	54.2	293.0	27,400	155
160	49.9	283.0	23,100	51.0	285.7	24,200	52.6	289.2	25,800	160
165	48.2	278.6	21,900	49.4	281.5	22,800	51.1	285.2	24,300	165
170	46.5	274.0	20,700	47.7	277.0	21,500	49.4	281.0	22,900	170
175	44.8	269.0	19,500	46.0	272.3	20,300	47.8	276.6	21,500	175
180	42.9	263.8	18,400	44.2	267.2	19,100	46.0	271.8	20,300	180
185	41.1	258.2	17,400	42.4	261.9	18,100	44.3	266.8	19,200	185
189	39.5	253.4	16,600	40.9	257.3	17,200	42.8	262.5	18,300	189
190	39.1	252.2	16,400	40.5	256.1	17,000	42.5	261.5	18,100	190
200	35.0	238.7	14,600	36.5	243.4	15,200	38.6	249.6	16,100	200
210	30.3	222.9	13,000	32.0	228.5	13,500	34.4	235.9	14,300	210
220	24.8	203.5	11,500	26.9	210.5	12,000	29.6	219.7	12,700	220
230	17.9	177.5	10,200	20.6	187.4	10,700	24.0	199.7	11,300	230
240	4.9	126.5	6,300	11.3	151.7	8,700	16.8	172.3	10,000	240
244				2.9	117.9	6,200	11.0	149.6	8,800	244
249							3.8	121.1	7,300	249
250										250
254										254
260										260
263										263
270										270
271										271
279										279

# MLC250 S-3

ASME B30.5



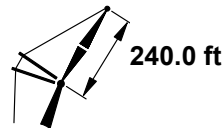
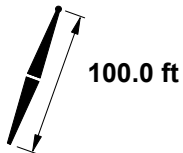
219,600 lb  
+  
80,000 lb



	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
68													68
70													70
75													75
79													79
80													80
85													85
90													90
95													95
96													96
100													100
105													105
110													110
112	68.0	319.0	40,800										112
115	67.2	317.8	40,700										115
120	65.8	315.6	40,400										120
125	64.4	313.2	38,900										125
130	63.0	310.7	37,400										130
135	61.6	308.0	35,800										135
139	60.5	305.8	34,300	62.9	308.3	32,200							139
140	60.2	305.2	34,000	62.6	307.8	31,900							140
145	58.8	302.2	32,200	61.2	305.1	30,200							145
150	57.3	299.1	30,600	59.8	302.3	28,700							150
155	55.8	295.7	29,200	58.3	299.2	27,300							155
160	54.3	292.2	27,500	56.8	296.0	25,900							160
165	52.7	288.4	25,800	55.3	292.6	24,700	57.8	295.3	23,000				165
170	51.1	284.5	24,300	53.8	289.0	23,500	56.3	292.0	21,800				170
175	49.5	280.3	22,900	52.2	285.2	22,400	54.8	288.6	20,800				175
180	47.8	275.8	21,600	50.6	281.1	21,400	53.2	284.9	19,800				180
185	46.1	271.1	20,400	49.0	276.9	20,400	51.7	281.0	18,900				185
189	44.7	267.1	19,400	47.6	273.2	19,700	50.4	277.7	18,200	52.9	280.6	16,700	189
190	44.3	266.1	19,200	47.3	272.3	19,500	50.1	276.9	18,000	52.6	279.8	16,600	190
200	40.6	255.0	17,100	43.8	262.4	17,800	46.7	267.9	16,400	49.4	271.6	15,000	200
210	36.6	242.4	15,200	40.0	251.1	16,300	43.2	257.7	14,900	46.0	262.4	13,600	210
220	32.2	227.6	13,500	36.0	238.2	14,900	39.4	246.2	13,600	42.4	252.0	12,400	220
230	27.1	209.7	12,000	31.4	223.0	13,200	35.2	232.9	12,400	38.5	240.2	11,200	230
240	20.8	186.9	10,600	26.2	204.6	11,700	30.6	217.3	11,300	34.3	226.5	10,100	240
244	17.2	172.9	10,100	23.6	195.0	11,200	28.4	209.6	10,900	32.4	220.0	9,800	244
249	12.7	155.5	9,500	20.4	183.0	10,500	25.7	200.0	10,300	30.0	211.8	9,300	249
250	11.8	152.0	9,400	19.7	180.6	10,400	25.2	198.1	10,200	29.6	210.2	9,200	250
254	4.4	122.7	8,000	15.7	165.0	9,900	22.5	187.9	9,800	27.3	202.2	8,800	254
260				9.7	141.6	9,100	18.4	172.7	9,300	24.0	190.1	8,200	260
263				1.6	109.4	8,400	14.8	158.7	9,000	21.8	181.9	7,900	263
270							6.5	126.0	8,300	16.7	162.6	7,200	270
271							3.3	113.5	8,200	15.2	156.7	7,100	271
279										3.3	109.7	6,400	279

# MLC250 S-3

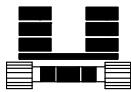
ASME B30.5



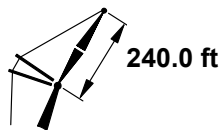
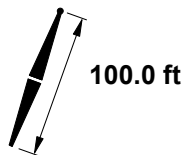
	88°			86°			83°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
70	76.0	340.6	32,900						70	
75	74.8	339.3	32,500						75	
80	73.5	337.8	32,200						80	
82	73.0	337.2	32,000	73.9	338.0	36,800			82	
85	72.3	336.3	31,800	73.2	337.1	36,600			85	
90	71.0	334.6	31,400	71.9	335.5	36,200			90	
95	69.8	332.8	31,100	70.6	333.8	35,900			95	
99	68.7	331.2	30,800	69.6	332.3	35,600	70.9	333.6	35,000	
100	68.5	330.8	30,700	69.4	331.9	35,500	70.7	333.2	34,900	
105	67.2	328.8	30,400	68.1	330.0	35,100	69.4	331.4	34,600	
110	65.9	326.6	30,000	66.8	327.8	34,800	68.1	329.4	34,400	
115	64.6	324.2	29,700	65.5	325.6	34,400	66.8	327.3	34,100	
116	64.3	323.7	29,700	65.2	325.1	34,300	66.6	326.9	34,000	
120	63.2	321.7	29,400	64.2	323.2	34,100	65.5	325.1	33,800	
125	61.9	319.1	29,100	62.8	320.7	33,700	64.2	322.7	33,500	
130	60.5	316.3	28,800	61.5	318.0	32,800	62.9	320.2	33,200	
135	59.1	313.4	27,800	60.1	315.2	31,600	61.5	317.5	33,000	
140	57.7	310.3	26,700	58.7	312.2	30,400	60.2	314.7	31,900	
144	56.6	307.6	25,800	57.6	309.7	28,900	59.0	312.3	30,800	
145	56.3	307.0	25,600	57.3	309.0	28,600	58.8	311.7	30,500	
150	54.8	303.5	24,600	55.9	305.7	26,800	57.4	308.5	28,600	
155	53.4	299.9	23,600	54.4	302.2	25,200	55.9	305.2	26,900	
160	51.9	296.0	22,600	52.9	298.4	23,700	54.5	301.7	25,300	
165	50.3	291.9	21,400	51.4	294.5	22,300	53.0	298.0	23,800	
170	48.7	287.6	20,100	49.8	290.4	21,000	51.5	294.1	22,300	
175	47.1	283.0	19,000	48.3	286.0	19,800	49.9	289.9	21,000	
180	45.5	278.2	17,900	46.6	281.3	18,600	48.3	285.5	19,800	
185	43.8	273.1	16,800	45.0	276.4	17,500	46.7	280.9	18,700	
190	42.0	267.6	15,900	43.2	271.2	16,500	45.0	276.0	17,600	
195	40.2	261.8	14,900	41.4	265.6	15,600	43.3	270.8	16,500	
200	38.3	255.6	14,100	39.6	259.7	14,700	41.5	265.3	15,600	
210	34.2	241.8	12,500	35.7	246.6	13,000	37.7	253.0	13,800	
220	29.6	225.6	11,000	31.3	231.3	11,500	33.6	239.0	12,200	
230	24.3	205.6	9,700	26.3	212.9	10,100	29.0	222.3	10,800	
240	17.5	179.0	8,500	20.1	189.2	8,900	23.5	201.8	9,500	
245	12.9	160.2	7,200	16.2	173.7	8,300	20.3	189.1	8,900	
250				11.1	152.6	7,100	16.4	173.8	8,300	
259							3.7	121.4	5,800	
260									260	
264									264	
270									270	
273									273	
280									280	
281									281	
285									285	

# MLC250 S-3

ASME B30.5



219,600 lb  
+  
80,000 lb



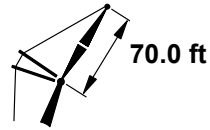
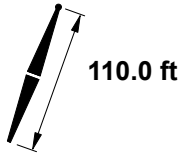
	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
70													70
75													75
80													80
82													82
85													85
90													90
95													95
99													99
100													100
105													105
110													110
115													115
116	67.9	328.2	36,600										116
120	66.9	326.5	36,400										120
125	65.6	324.3	36,200										125
130	64.3	321.9	36,000										130
135	62.9	319.4	34,700										135
140	61.6	316.7	33,400										140
144	60.5	314.4	32,100	62.8	317.0	30,000							144
145	60.2	313.9	31,800	62.5	316.5	29,700							145
150	58.8	310.9	30,200	61.2	313.8	28,200							150
155	57.4	307.8	28,700	59.8	310.9	26,800							155
160	56.0	304.4	27,000	58.4	307.9	25,500							160
165	54.5	300.9	25,300	57.0	304.7	24,200							165
170	53.0	297.2	23,800	55.5	301.3	23,100	57.9	304.0	21,300				170
175	51.5	293.3	22,400	54.1	297.7	22,000	56.5	300.7	20,300				175
180	50.0	289.2	21,100	52.6	294.0	20,900	55.0	297.3	19,300				180
185	48.4	284.8	19,800	51.0	290.0	20,000	53.5	293.6	18,400				185
190	46.7	280.2	18,700	49.5	285.8	19,000	52.0	289.8	17,500				190
195	45.1	275.3	17,600	47.9	281.3	18,200	50.5	285.7	16,700	52.9	288.6	15,300	195
200	43.4	270.1	16,600	46.2	276.6	17,300	48.9	281.4	15,900	51.4	284.7	14,500	200
210	39.7	258.7	14,700	42.8	266.3	15,800	45.7	272.1	14,400	48.3	276.1	13,100	210
220	35.8	245.6	13,000	39.2	254.7	14,400	42.2	261.6	13,100	45.0	266.6	11,900	220
230	31.5	230.4	11,500	35.2	241.4	12,700	38.5	249.7	11,900	41.5	255.8	10,700	230
240	26.5	212.1	10,100	30.7	225.8	11,200	34.4	236.0	10,800	37.7	243.6	9,700	240
245	23.6	201.2	9,500	28.3	216.8	10,500	32.2	228.3	10,300	35.7	236.8	9,100	245
250	20.4	188.7	8,900	25.6	206.8	9,900	29.9	219.9	9,800	33.6	229.5	8,600	250
259	12.4	156.5	7,800	19.9	184.7	8,800	25.2	202.2	8,900	29.4	214.5	7,700	259
260	11.5	153.0	7,700	19.3	182.3	8,600	24.6	200.3	8,800	28.9	212.8	7,600	260
264	4.3	123.0	6,500	15.4	166.3	8,200	22.0	189.9	8,500	26.7	204.5	7,200	264
270				9.5	142.4	7,500	18.0	174.2	7,900	23.5	192.2	6,600	270
273				1.6	109.5	6,800	14.5	159.9	7,600	21.3	183.7	6,300	273
280							6.3	126.5	6,900	16.3	164.0	5,700	280
281							3.3	113.8	6,800	15.3	159.9	5,600	281
285										11.2	143.1	5,300	285

# MLC250 S-3

ASME B30.5



219,600 lb  
+  
80,000 lb

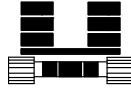


	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
32	73.7	184.9	149,900 d							32
34	72.0	184.2	144,100 d							34
36	70.2	183.5	138,700 d	73.5	184.5	148,200 d				36
38	68.5	182.7	133,600 d	71.8	183.9	142,600 d				38
40	66.7	181.8	128,700 c	70.1	183.1	137,300 d				40
45	62.1	179.3	117,900 b	65.6	181.0	125,300 b	70.7	182.7	137,300 d	45
50	57.3	176.2	108,600	61.0	178.4	115,000 b	66.3	180.7	125,500 b	50
54	53.2	173.3	102,200	57.1	175.8	108,000 b	62.6	178.6	117,300 b	54
55	52.2	172.6	100,500	56.1	175.2	106,200	61.7	178.1	115,300 b	55
60	46.7	168.1	93,700	51.0	171.3	98,400	56.9	175.0	106,400	60
65	40.7	162.7	87,600	45.4	166.7	91,800	51.7	171.3	98,700	65
69	35.1	157.2	83,400	40.4	162.1	87,200	47.3	167.6	93,300	69
70	33.8	155.9	82,400	39.2	161.0	86,000	46.2	166.7	92,000	70
75	25.2	146.6	78,000	32.0	153.7	80,900	40.1	161.2	86,100	75
80	11.2	130.4	64,600	22.7	143.6	76,600	33.1	154.2	80,900	80
81	4.1	121.8	56,600	19.6	140.0	73,800	31.3	152.3	79,800	81
83				13.5	132.7	68,400	27.8	148.5	77,500	83
84				10.4	129.1	65,600	26.0	146.6	76,400	84
85							24.2	144.6	75,300	85
90							8.9	126.6	66,800	90
95										95
96										96
97										97
100										100
105										105
110										110
114										114
115										115
120										120
123										123

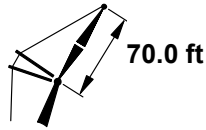
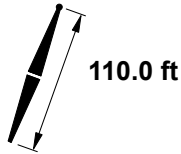


# MLC250 S-3

ASME B30.5



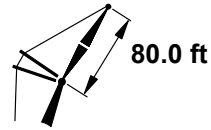
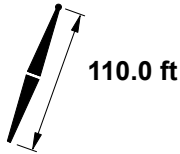
219,600 lb  
+  
80,000 lb



	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
32													32
34													34
36													36
38													38
40													40
45													45
50													50
54	67.8	180.4	127,300 c										54
55	66.9	180.0	125,200 c										55
60	62.3	177.5	114,000 b										60
65	57.5	174.5	103,000										65
69	53.5	171.6	95,600	62.6	175.4	91,400 b							69
70	52.5	170.8	93,800	61.7	174.9	89,800 b							70
75	47.0	166.4	86,000	56.9	171.8	82,300							75
80	41.0	161.1	79,300	51.7	168.0	75,900							80
81	39.6	159.7	78,100	50.6	167.1	74,700							81
83	36.9	157.0	75,800	48.4	165.3	72,500	57.9	169.4	69,200 b				83
84	35.5	155.7	74,600	47.3	164.4	71,400	56.9	168.7	68,200 b				84
85	34.1	154.3	73,400	46.2	163.5	70,300	56.0	168.1	67,100				85
90	25.6	145.2	68,300	40.1	158.0	65,400	50.8	164.2	62,500				90
95	12.2	129.7	63,600	33.1	151.0	61,000	45.2	159.5	58,300				95
96	6.6	122.9	62,700	31.3	149.1	60,200	43.9	158.4	57,600				96
97				29.5	147.2	59,500	42.7	157.2	56,800	52.7	161.8	54,200	97
100				24.2	141.4	57,100	38.9	153.8	54,600	49.5	159.3	52,100	100
105				8.9	123.4	53,500	31.7	146.4	51,300	43.7	154.4	48,900	105
110							22.3	136.1	48,200	37.3	148.3	46,100	110
114							9.4	121.0	45,900	31.2	142.0	44,000	114
115										29.7	140.4	43,500	115
120										19.4	128.9	41,000	120
123										8.2	115.6	39,600	123

# MLC250 S-3

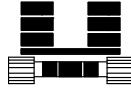
ASME B30.5



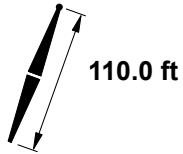
	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
32	75.8	195.3	144,600 d							32
34	74.3	194.7	139,200 d							34
36	72.8	194.1	134,200 d							36
38	71.3	193.4	129,400 c							38
39	70.5	193.0	127,200 c	73.4	194.1	135,400 d				39
40	69.7	192.6	124,900 b	72.7	193.7	133,100 d				40
45	65.9	190.5	114,600 b	68.8	191.9	121,800 b				45
48	63.4	189.0	109,300 b	66.5	190.6	116,000 b	70.9	192.3	126,300 c	48
50	61.8	188.0	105,800	64.9	189.7	112,100 b	69.4	191.5	122,100 b	50
55	57.6	184.9	98,100	60.9	187.0	103,600	65.5	189.3	112,500 b	55
58	55.0	182.8	94,000	58.3	185.1	99,200	63.1	187.8	107,500 b	58
60	53.2	181.4	91,300	56.6	183.9	96,200	61.5	186.8	104,100	60
65	48.6	177.2	85,400	52.2	180.2	89,700	57.3	183.7	96,600	65
70	43.5	172.2	80,300	47.4	175.8	83,900	52.8	180.1	90,100	70
74	39.0	167.4	76,600	43.3	171.6	79,900	49.1	176.7	85,400	74
75	37.9	166.2	75,600	42.3	170.6	78,900	48.1	175.8	84,300	75
80	31.5	158.7	71,600	36.5	164.3	74,500	43.0	170.7	79,100	80
85	23.4	148.7	68,100	29.8	156.4	70,500	37.4	164.6	74,600	85
89	13.0	134.7	59,200	22.9	147.6	67,800	32.1	158.5	70,800	89
90	10.4	131.3	57,000	21.1	145.4	67,100	30.8	157.0	69,800	90
91	3.8	122.0	50,100	18.3	141.5	64,800	29.2	154.9	68,900	91
94				9.7	129.9	58,000	24.2	148.7	66,100	94
95							22.6	146.6	65,100	95
100							8.2	127.3	58,800	100
103										103
105										105
106										106
110										110
115										115
120										120
124										124
125										125
130										130
133										133

# MLC250 S-3

ASME B30.5



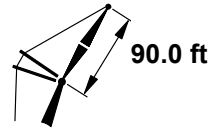
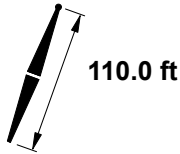
219,600 lb  
+  
80,000 lb



	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
32													32
34													34
36													36
38													38
39													39
40													40
45													45
48													48
50													50
55													55
58	67.6	189.6	116,100 b										58
60	66.0	188.7	112,400 b										60
65	62.0	186.2	102,500										65
70	57.8	183.2	93,400										70
74	54.3	180.3	87,100	62.3	184.1	83,100							74
75	53.5	179.6	85,600	61.5	183.5	81,700							75
80	48.8	175.5	78,900	57.3	180.4	75,300							80
85	43.8	170.5	73,100	52.8	176.8	69,800							85
89	39.3	165.8	69,000	49.1	173.4	65,900	57.3	177.4	62,800				89
90	38.2	164.6	68,000	48.1	172.6	64,900	56.5	176.8	61,900				90
91	36.9	163.1	67,100	47.1	171.5	64,100	55.6	176.0	61,100				91
94	33.1	158.6	64,400	44.1	168.5	61,500	52.9	173.8	58,600				94
95	31.8	157.2	63,500	43.0	167.5	60,600	52.0	173.0	57,800				95
100	23.9	147.3	59,400	37.4	161.4	56,800	47.2	168.6	54,100				100
103	16.4	137.3	57,200	33.5	156.8	54,700	44.1	165.5	52,200	52.7	169.8	49,600	103
105	11.4	130.6	55,700	30.8	153.7	53,300	42.1	163.4	50,800	50.9	168.2	48,400	105
106	6.1	123.4	54,900	29.2	151.7	52,700	40.9	162.1	50,200	49.9	167.3	47,800	106
110				22.6	143.4	50,200	36.3	157.1	47,900	46.0	163.6	45,500	110
115				8.3	124.1	47,200	29.5	149.1	45,100	40.7	158.1	43,000	115
120							20.8	137.9	42,600	34.7	151.5	40,600	120
124							8.8	121.7	40,700	29.1	144.6	38,900	124
125										27.6	142.9	38,400	125
130										18.0	130.5	36,400	130
133										7.6	116.2	35,200	133

# MLC250 S-3

ASME B30.5



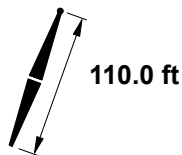
	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
35	75.4	204.8	132,300 d							35
36	74.8	204.5	130,000 d							36
38	73.4	203.9	125,600 d							38
40	72.1	203.3	121,400 c							40
41	71.4	202.9	119,500 c	74.0	203.9	126,900 d				41
45	68.7	201.4	111,800 b	71.3	202.6	118,700 b				45
50	65.2	199.2	103,400	67.9	200.7	109,600 b				50
52	63.8	198.2	100,500	66.5	199.7	106,400 b	70.4	201.5	115,300 b	52
55	61.6	196.6	96,000	64.4	198.4	101,500	68.4	200.3	110,000 b	55
60	57.9	193.6	89,500	60.8	195.7	94,400	64.9	198.0	102,100	60
62	56.4	192.2	87,200	59.3	194.4	91,900	63.5	197.0	99,200	62
65	54.0	190.1	83,800	57.0	192.6	88,000	61.3	195.4	95,000	65
70	49.9	186.1	78,600	53.1	188.9	82,500	57.6	192.4	88,600	70
75	45.6	181.4	74,100	49.0	184.8	77,500	53.7	188.8	83,000	75
78	42.7	178.1	71,700	46.3	181.9	74,900	51.2	186.4	80,000	78
80	40.9	175.9	70,100	44.5	179.9	73,100	49.6	184.8	78,000	80
85	35.6	169.4	66,500	39.7	174.2	69,200	45.2	180.0	73,500	85
90	29.6	161.3	61,600	34.3	167.4	65,600	40.4	174.5	69,500	90
94	23.5	152.7	58,600	29.3	160.6	63,100	36.2	169.1	65,900	94
95	22.0	150.6	57,900	28.0	158.9	62,500	35.1	167.8	65,100	95
100	9.8	132.1	49,900	19.9	147.1	59,300	29.0	159.6	60,900	100
101	3.5	122.2	44,200	17.2	143.0	57,100	27.4	157.3	60,200	101
104				9.1	130.6	50,400	22.8	150.7	58,000	104
105							21.2	148.5	57,200	105
109							10.4	132.0	52,300	109
110							7.7	127.9	51,000	110
115										115
116										116
120										120
125										125
130										130
134										134
135										135
140										140
143										143

# MLC250 S-3

ASME B30.5



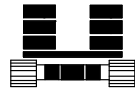
219,600 lb  
+  
80,000 lb



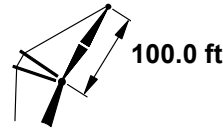
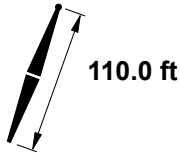
	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
35													35
36													36
38													38
40													40
41													41
45													45
50													50
52													52
55													55
60													60
62	67.5	198.8	106,800 b										62
65	65.4	197.4	102,100										65
70	61.8	194.8	93,100										70
75	58.1	191.8	85,300										75
78	55.8	189.8	81,300	62.8	193.3	77,400							78
80	54.2	188.4	78,600	61.3	192.2	75,000							80
85	50.1	184.4	72,800	57.6	189.1	69,500							85
90	45.8	179.7	67,800	53.7	185.6	64,600							90
94	42.0	175.4	64,200	50.4	182.3	61,200	57.6	186.1	58,200				94
95	41.1	174.3	63,300	49.6	181.5	60,300	56.9	185.5	57,400				95
100	35.9	167.8	59,300	45.2	176.8	56,500	52.9	181.8	53,800				100
101	34.7	166.2	58,600	44.2	175.7	55,800	52.1	181.0	53,100				101
104	31.1	161.4	56,400	41.4	172.3	53,800	49.6	178.5	51,200				104
105	29.9	159.8	55,700	40.4	171.2	53,100	48.8	177.6	50,500				105
109	23.9	151.4	53,100	36.2	165.9	50,600	45.2	173.7	48,200	52.8	177.8	45,700	109
110	22.4	149.3	52,400	35.1	164.6	50,000	44.4	172.8	47,600	52.0	177.0	45,200	110
115	10.7	131.5	49,400	29.0	156.3	47,200	39.5	167.0	44,900	47.8	172.7	42,600	115
116	5.7	123.8	48,700	27.4	154.1	46,700	38.4	165.7	44,400	46.8	171.7	42,200	116
120				21.2	145.3	44,600	34.1	160.2	42,400	43.2	167.6	40,300	120
125				7.7	124.7	42,100	27.7	151.5	40,200	38.3	161.6	38,200	125
130							19.5	139.6	38,100	32.7	154.4	36,200	130
134							8.2	122.3	36,400	27.3	147.0	34,700	134
135										26.0	145.2	34,400	135
140										16.9	131.9	32,600	140
143										7.1	116.7	31,600	143

# MLC250 S-3

ASME B30.5



219,600 lb  
+  
80,000 lb



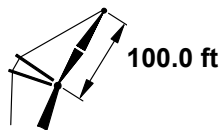
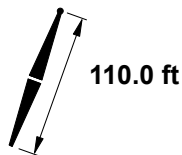
	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
37	75.7	214.6	123,300 d							37
38	75.1	214.4	121,300 c							38
40	73.9	213.8	117,500 b							40
44	71.5	212.5	110,300 b	73.8	213.4	116,900 b				44
45	70.9	212.1	108,600 b	73.2	213.1	115,100 b				45
50	67.8	210.2	100,600	70.2	211.4	106,600 b				50
55	64.7	207.9	93,600	67.1	209.4	99,000	70.6	211.0	107,100 b	55
60	61.5	205.3	87,400	64.0	207.0	92,100	67.6	209.0	99,500	60
65	58.1	202.3	81,800	60.7	204.3	86,100	64.4	206.7	92,800	65
70	54.7	198.9	76,900	57.3	201.2	80,700	61.2	204.1	86,800	70
75	51.0	195.0	72,400	53.8	197.7	75,800	57.8	201.0	81,300	75
80	47.2	190.5	68,400	50.1	193.7	71,500	54.3	197.6	76,400	80
83	44.7	187.5	66,300	47.8	190.9	69,200	52.1	195.2	73,800	83
85	43.1	185.4	64,800	46.3	189.1	67,600	50.7	193.6	72,000	85
90	38.6	179.5	60,100	42.1	183.8	64,100	46.8	189.1	68,100	90
95	33.7	172.5	55,500	37.5	177.7	60,900	42.7	184.0	64,500	95
99	29.1	165.5	52,500	33.5	171.8	58,600	39.1	179.1	61,400	99
100	28.0	163.8	51,800	32.5	170.3	58,100	38.2	177.9	60,600	100
105	20.9	152.4	49,000	26.5	161.2	55,000	33.2	170.8	56,900	105
110	9.2	132.8	43,400	18.8	148.8	51,300	27.4	162.0	53,600	110
111	3.3	122.4	38,700	16.2	144.4	49,500	26.0	159.6	53,000	111
114				8.5	131.3	43,900	21.6	152.6	51,200	114
115							20.1	150.2	50,600	115
120							7.3	128.5	44,500	120
125										125
126										126
130										130
135										135
140										140
144										144
145										145
150										150
153										153

# MLC250 S-3

ASME B30.5



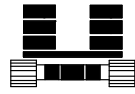
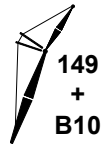
219,600 lb  
+  
80,000 lb



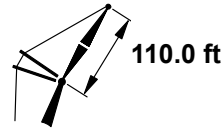
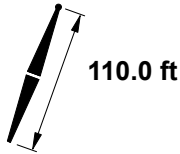
	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
37													37
38													38
40													40
44													44
45													45
50													50
55													55
60													60
65	68.0	208.3	99,700										65
70	64.8	206.1	92,500										70
75	61.6	203.5	84,800										75
80	58.3	200.5	78,100										80
83	56.2	198.5	74,700	62.5	201.9	71,000							83
85	54.8	197.1	72,400	61.2	200.8	68,900							85
90	51.2	193.2	67,300	57.8	197.8	64,100							90
95	47.4	188.8	62,900	54.3	194.3	59,800							95
99	44.1	184.8	59,700	51.4	191.2	56,800	57.9	194.8	53,900				99
100	43.3	183.7	58,900	50.7	190.4	56,000	57.2	194.1	53,200				100
105	38.9	177.9	55,300	46.8	185.9	52,600	53.7	190.6	50,000				105
110	33.9	170.9	52,100	42.7	180.7	49,500	50.0	186.6	47,000				110
111	32.8	169.2	51,500	41.8	179.5	49,000	49.2	185.6	46,500				111
114	29.4	164.1	49,700	39.1	175.9	47,300	46.9	182.9	44,900				114
115	28.3	162.4	49,100	38.2	174.7	46,800	46.1	182.0	44,400	52.8	185.8	42,000	115
120	21.2	151.1	46,500	33.2	167.6	44,200	41.9	176.6	42,000	49.1	181.6	39,700	120
125	10.1	132.4	43,900	27.4	158.8	41,900	37.4	170.4	39,700	45.1	176.9	37,600	125
126	5.4	124.2	43,400	26.0	156.4	41,400	36.3	169.0	39,300	44.3	175.8	37,200	126
130				20.1	147.0	39,700	32.3	163.1	37,700	40.9	171.4	35,700	130
135				7.3	125.3	37,600	26.2	153.8	35,800	36.2	164.9	33,900	135
140							18.5	141.2	34,000	30.9	157.2	32,200	140
144							7.7	123.0	32,600	25.8	149.3	31,000	144
145										24.6	147.4	30,600	145
150										16.0	133.3	29,200	150
153										6.7	117.3	28,200	153

# MLC250 S-3

ASME B30.5



219,600 lb  
+  
80,000 lb

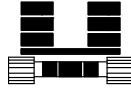


	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
39	76.0	224.4	115,200 c						39	
40	75.4	224.2	113,500 b						40	
45	72.7	222.7	105,300 b						45	
47	71.6	222.0	102,400 b	73.7	223.0	108,200 b			47	
50	70.0	220.9	97,900	72.1	222.0	103,600 b			50	
55	67.2	218.9	91,300	69.3	220.2	96,400			55	
58	65.4	217.5	87,700	67.6	218.9	92,600	70.8	220.6	99,800	
60	64.3	216.6	85,400	66.5	218.1	90,000	69.7	219.8	97,100	
65	61.3	213.9	80,000	63.6	215.7	84,200	66.9	217.8	90,700	
69	58.9	211.5	76,200	61.2	213.5	80,100	64.6	215.9	86,100	
70	58.3	210.9	75,200	60.6	213.0	79,100	64.0	215.4	84,900	
75	55.2	207.6	70,900	57.6	209.9	74,300	61.1	212.7	79,700	
80	51.9	203.8	67,100	54.4	206.5	70,200	58.0	209.7	75,000	
85	48.5	199.5	63,500	51.1	202.6	66,400	54.9	206.3	70,700	
87	47.0	197.6	62,000	49.7	200.8	65,000	53.6	204.8	69,200	
90	44.8	194.7	59,600	47.6	198.2	62,900	51.6	202.5	66,900	
95	41.0	189.2	54,900	44.0	193.2	59,700	48.1	198.2	63,400	
100	36.8	182.8	50,900	40.0	187.5	56,900	44.5	193.3	60,100	
105	32.1	175.3	47,300	35.7	180.9	54,300	40.6	187.7	56,900	
110	26.6	166.2	44,500	30.9	173.1	51,500	36.4	181.3	53,600	
115	19.8	154.2	42,400	25.2	163.4	48,300	31.6	173.6	50,600	
120	8.8	133.5	38,500	17.9	150.3	45,300	26.1	164.3	47,900	
121	3.1	122.6	34,600	15.4	145.7	43,700	24.7	161.8	47,400	
124				8.1	132.0	39,000	20.5	154.4	45,800	
125							19.1	151.9	45,300	
130							6.9	129.0	39,600	
135									135	
136									136	
140									140	
145									145	
150									150	
154									154	
155									155	
160									160	
163									163	

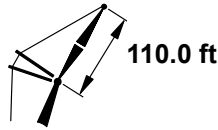
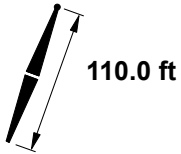


# MLC250 S-3

ASME B30.5



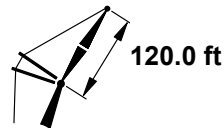
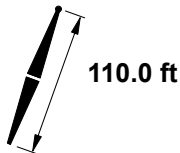
219,600 lb  
+  
80,000 lb



	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
39													39
40													40
45													45
47													47
50													50
55													55
58													58
60													60
65													65
69	67.8	217.5	92,100										69
70	67.3	217.1	90,900										70
75	64.4	214.8	84,700										75
80	61.5	212.1	78,000										80
85	58.4	209.2	72,300										85
87	57.2	207.8	70,200	62.8	211.1	66,800							87
90	55.3	205.8	67,200	61.1	209.5	63,900							90
95	52.0	202.1	62,800	58.0	206.5	59,700							95
100	48.6	197.8	58,800	54.9	203.1	55,900							100
105	45.0	193.0	55,200	51.6	199.2	52,500	57.5	202.8	49,800				105
110	41.2	187.5	52,000	48.2	194.9	49,400	54.3	199.3	46,900				110
115	37.0	181.2	49,100	44.5	190.0	46,700	51.0	195.4	44,300				115
120	32.3	173.8	46,500	40.6	184.5	44,100	47.5	191.0	41,800				120
121	31.2	172.0	46,000	39.8	183.2	43,700	46.8	190.0	41,400	52.8	193.8	39,200	121
124	28.0	166.5	44,500	37.2	179.3	42,300	44.6	187.0	40,100	50.8	191.4	37,900	124
125	26.9	164.7	44,000	36.4	178.0	41,800	43.8	186.0	39,600	50.2	190.6	37,500	125
130	20.2	152.9	41,800	31.6	170.4	39,700	39.9	180.3	37,600	46.6	186.0	35,600	130
135	9.6	133.1	39,600	26.1	161.1	37,700	35.5	173.7	35,700	42.9	180.8	33,800	135
136	5.1	124.6	39,200	24.7	158.6	37,300	34.6	172.1	35,400	42.1	179.7	33,400	136
140				19.1	148.7	35,900	30.7	165.8	34,000	38.9	174.9	32,100	140
145				6.9	125.8	34,100	25.0	156.0	32,400	34.4	168.0	30,600	145
150							17.6	142.7	30,800	29.4	159.8	29,200	150
154							7.3	123.6	29,600	24.6	151.5	28,100	154
155										23.4	149.4	27,800	155
160										15.2	134.6	26,500	160
163										6.3	117.8	25,700	163

# MLC250 S-3

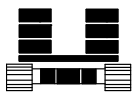
ASME B30.5



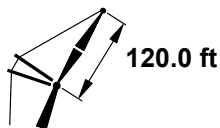
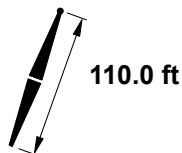
	88°			86°			83°			
	ft	ft	lb	ft	lb	ft	lb	ft		
42	75.7	234.0	104,300 b						42	
45	74.2	233.2	101,800 b						45	
50	71.7	231.6	95,000	73.6	232.5	100,300			50	
55	69.2	229.7	88,700	71.1	230.9	93,700			55	
60	66.6	227.6	83,100	68.6	229.0	87,700			60	
61	66.0	227.1	82,100	68.0	228.5	86,600	71.0	230.1	93,200	61
65	63.9	225.3	78,100	66.0	226.8	82,200	68.9	228.6	88,400	65
70	61.2	222.6	73,400	63.3	224.4	77,200	66.3	226.5	82,900	70
73	59.6	220.8	70,900	61.7	222.7	74,500	64.7	225.0	79,900	73
75	58.4	219.6	69,300	60.6	221.6	72,700	63.7	224.1	77,900	75
80	55.6	216.3	65,500	57.8	218.6	68,600	61.0	221.4	73,400	80
85	52.6	212.6	62,100	54.9	215.2	64,900	58.2	218.4	69,300	85
90	49.5	208.5	58,900	51.9	211.4	61,500	55.3	215.0	65,500	90
92	48.2	206.6	57,100	50.6	209.7	60,300	54.1	213.5	64,200	92
95	46.3	203.8	54,300	48.8	207.1	58,400	52.3	211.3	62,100	95
100	42.8	198.6	50,200	45.5	202.4	55,600	49.2	207.1	59,000	100
105	39.1	192.8	46,600	42.0	197.1	53,000	46.0	202.4	56,100	105
110	35.1	186.0	43,500	38.2	191.0	50,700	42.5	197.2	53,200	110
115	30.6	178.1	40,800	34.1	184.0	47,800	38.8	191.2	50,200	115
120	25.5	168.4	38,500	29.5	175.7	44,800	34.7	184.4	47,500	120
125	19.0	155.8	36,900	24.1	165.5	42,100	30.2	176.3	45,000	125
127	14.7	147.2	35,700	21.3	160.0	41,100	28.1	172.4	44,100	127
130	8.4	134.2	33,900	17.1	151.8	39,700	24.9	166.5	42,600	130
131	2.9	122.8	30,500	14.8	147.0	38,400	23.6	163.9	42,100	131
134				7.7	132.6	34,300	19.6	156.1	40,700	134
135							18.3	153.5	40,200	135
140							6.6	129.5	34,900	140
145										145
146										146
150										150
155										155
160										160
164										164
165										165
170										170
173										173

# MLC250 S-3

ASME B30.5



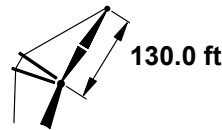
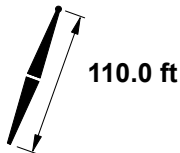
219,600 lb  
+  
80,000 lb



	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
42													42
45													45
50													50
55													55
60													60
61													61
65													65
70													70
73	67.7	226.7	85,300										73
75	66.7	225.8	83,200										75
80	64.0	223.5	77,500										80
85	61.3	220.8	71,800										85
90	58.6	217.8	66,700										90
92	57.4	216.5	65,000	62.6	219.8	61,600							92
95	55.7	214.5	62,300	61.0	218.2	59,100							95
100	52.7	210.8	58,300	58.2	215.1	55,400							100
105	49.7	206.7	54,800	55.3	211.8	52,000							105
110	46.4	202.1	51,600	52.3	208.1	48,900	57.7	211.5	46,300				110
115	43.0	197.0	48,700	49.2	203.9	46,200	54.8	208.1	43,700				115
120	39.3	191.1	46,100	46.0	199.2	43,700	51.8	204.3	41,300				120
125	35.3	184.4	43,600	42.5	194.0	41,400	48.6	200.0	39,100				125
127	33.5	181.3	42,800	41.0	191.6	40,500	47.3	198.1	38,300	52.9	201.8	36,100	127
130	30.9	176.6	41,400	38.8	188.0	39,200	45.3	195.2	37,100	51.0	199.4	35,000	130
131	29.8	174.6	41,000	38.0	186.6	38,800	44.6	194.2	36,700	50.4	198.5	34,600	131
134	26.7	168.9	39,800	35.5	182.5	37,700	42.5	190.9	35,600	48.5	195.9	33,600	134
135	25.7	167.0	39,400	34.7	181.2	37,300	41.8	189.9	35,200	47.9	195.0	33,200	135
140	19.3	154.6	37,400	30.2	173.1	35,500	38.1	183.8	33,500	44.5	190.1	31,600	140
145	9.1	133.9	35,600	24.9	163.3	33,800	34.0	176.7	31,900	41.0	184.6	30,100	145
146	4.8	124.9	35,200	23.6	160.7	33,500	33.0	175.1	31,600	40.2	183.3	29,800	146
150				18.3	150.2	32,200	29.3	168.4	30,400	37.1	178.3	28,600	150
155				6.6	126.3	30,600	23.9	158.2	29,000	32.9	171.0	27,300	155
160							16.8	144.2	27,700	28.1	162.3	26,100	160
164							7.0	124.1	26,600	23.5	153.6	25,100	164
165										22.4	151.4	24,900	165
170										14.6	135.8	23,700	170
173										6.0	118.2	23,000	173

# MLC250 S-3

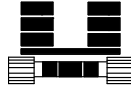
ASME B30.5



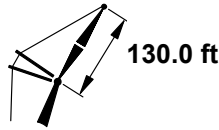
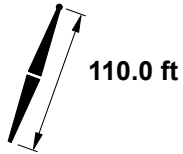
	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
44	75.9	243.8	93,900 b							44
45	75.5	243.5	93,600 b							45
50	73.2	242.1	92,000							50
52	72.2	241.4	89,800	74.0	242.4	94,800				52
55	70.8	240.4	86,500	72.6	241.4	91,200				55
60	68.5	238.5	81,200	70.3	239.7	85,500				60
65	66.1	236.3	76,300	67.9	237.7	80,400	70.6	239.3	86,300	65
70	63.6	233.9	71,900	65.5	235.5	75,600	68.3	237.4	81,200	70
75	61.1	231.3	68,000	63.0	233.1	71,400	65.9	235.2	76,400	75
77	60.1	230.1	66,500	62.0	232.0	69,800	64.9	234.2	74,700	77
80	58.6	228.3	64,300	60.5	230.3	67,400	63.4	232.8	72,100	80
85	55.9	225.0	60,900	58.0	227.3	63,800	60.9	230.1	68,100	85
90	53.2	221.4	57,900	55.3	223.9	60,500	58.3	227.1	64,500	90
95	50.4	217.3	53,900	52.6	220.2	57,400	55.7	223.7	61,100	95
96	49.8	216.5	53,100	52.0	219.3	56,900	55.1	223.0	60,500	96
100	47.4	212.9	49,900	49.7	216.1	54,700	53.0	220.1	58,100	100
105	44.3	207.9	46,300	46.7	211.5	52,200	50.1	216.0	55,200	105
110	41.0	202.4	43,100	43.6	206.4	49,800	47.2	211.5	52,700	110
115	37.5	196.2	40,200	40.2	200.7	47,400	44.0	206.5	49,900	115
120	33.7	189.0	37,800	36.6	194.3	44,500	40.7	200.9	47,200	120
125	29.4	180.7	35,600	32.7	186.9	41,700	37.2	194.6	44,800	125
130	24.4	170.6	33,800	28.3	178.2	39,100	33.3	187.4	42,200	130
133	20.7	162.7	33,100	25.2	171.8	37,900	30.7	182.3	40,800	133
135	18.2	157.4	32,600	23.1	167.6	37,000	29.0	178.9	39,800	135
140	8.0	134.9	30,000	16.4	153.2	35,100	23.9	168.6	37,600	140
141	2.8	123.0	27,000	14.1	148.2	33,900	22.6	165.9	37,200	141
144				7.4	133.2	30,400	18.8	157.7	36,000	144
145							17.5	155.0	35,600	145
150							6.3	130.0	30,900	150
155										155
156										156
160										160
165										165
170										170
174										174
175										175
180										180
183										183

# MLC250 S-3

ASME B30.5



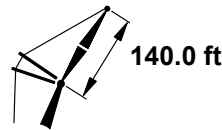
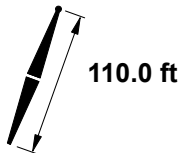
219,600 lb  
+  
80,000 lb



	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
44													44
45													45
50													50
52													52
55													55
60													60
65													65
70													70
75													75
77	67.6	235.8	79,500										77
80	66.2	234.5	76,800										80
85	63.7	232.1	71,400										85
90	61.2	229.5	66,400										90
95	58.7	226.5	61,900										95
96	58.2	225.8	61,200	62.9	229.0	58,000							96
100	56.0	223.2	58,000	60.9	226.8	55,000							100
105	53.3	219.6	54,500	58.3	223.8	51,600							105
110	50.5	215.6	51,300	55.7	220.5	48,600							110
115	47.6	211.2	48,400	53.0	216.8	45,800	57.9	220.2	43,300				115
120	44.5	206.3	45,700	50.1	212.8	43,300	55.2	216.8	40,900				120
125	41.2	200.8	43,300	47.2	208.3	41,000	52.4	213.1	38,700				125
130	37.7	194.6	41,100	44.0	203.3	38,900	49.6	208.9	36,700				130
133	35.4	190.3	39,900	42.1	199.9	37,700	47.8	206.2	35,600	52.9	209.8	33,500	133
135	33.9	187.5	39,100	40.7	197.7	37,000	46.6	204.3	34,900	51.8	208.2	32,800	135
140	29.6	179.2	37,200	37.2	191.4	35,200	43.5	199.3	33,200	48.9	204.0	31,200	140
141	28.6	177.2	36,800	36.4	189.9	34,800	42.8	198.1	32,800	48.3	203.1	30,900	141
144	25.6	171.2	35,800	34.1	185.6	33,800	40.8	194.7	31,900	46.5	200.2	30,000	144
145	24.7	169.2	35,400	33.3	184.2	33,500	40.1	193.5	31,600	45.9	199.3	29,700	145
150	18.5	156.2	33,800	29.0	175.7	31,900	36.5	187.1	30,100	42.7	194.1	28,300	150
155	8.8	134.6	32,200	23.9	165.4	30,500	32.6	179.7	28,700	39.3	188.2	27,000	155
156	4.6	125.3	31,300	22.6	162.7	30,200	31.7	177.9	28,400	38.5	186.9	26,700	156
160				17.5	151.8	29,100	28.1	170.9	27,400	35.6	181.5	25,700	160
165				6.3	126.8	27,700	22.9	160.2	26,200	31.5	173.8	24,600	165
170							16.1	145.6	25,000	26.9	164.7	23,500	170
174							6.7	124.7	24,100	22.5	155.5	22,600	174
175										21.4	153.3	22,400	175
180										14.0	137.0	21,400	180
183										5.8	118.7	20,800	183

# MLC250 S-3

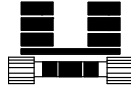
ASME B30.5



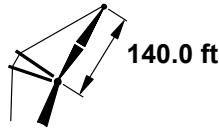
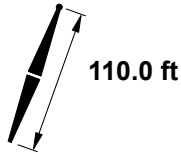
	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
47	75.7	253.4	84,900							47
50	74.4	252.5	83,500							50
55	72.3	251.0	82,100	73.9	251.9	88,100				55
60	70.1	249.2	78,800	71.7	250.3	82,900				60
65	67.9	247.3	74,300	69.6	248.5	78,100				65
68	66.5	245.9	71,800	68.2	247.3	75,400	70.8	248.8	80,700	68
70	65.6	245.0	70,100	67.4	246.5	73,600	69.9	248.1	78,900	70
75	63.4	242.6	66,200	65.1	244.2	69,500	67.7	246.1	74,400	75
80	61.0	239.9	62,700	62.8	241.7	65,800	65.4	243.9	70,400	80
85	58.7	236.9	59,500	60.5	239.0	62,300	63.2	241.4	66,600	85
90	56.2	233.7	56,500	58.1	235.9	59,100	60.8	238.7	63,100	90
95	53.7	230.1	53,400	55.6	232.6	56,200	58.5	235.7	59,800	95
100	51.1	226.2	49,700	53.1	228.9	53,500	56.0	232.4	56,900	100
101	50.6	225.3	49,000	52.6	228.1	53,000	55.5	231.7	56,300	101
105	48.4	221.9	46,200	50.5	224.9	51,000	53.5	228.8	54,100	105
110	45.6	217.1	43,000	47.8	220.5	48,700	50.9	224.9	51,600	110
115	42.6	211.9	40,100	44.9	215.7	46,600	48.2	220.5	49,100	115
120	39.5	206.0	37,600	41.9	210.3	44,300	45.3	215.7	46,800	120
125	36.1	199.4	35,300	38.7	204.3	41,600	42.3	210.4	44,300	125
130	32.4	191.9	33,300	35.2	197.5	39,200	39.2	204.5	42,000	130
135	28.3	183.2	31,600	31.5	189.7	36,800	35.8	197.9	39,500	135
139	24.4	174.8	30,400	28.1	182.5	35,100	32.8	191.8	37,700	139
140	23.5	172.7	30,100	27.2	180.7	34,700	32.0	190.3	37,300	140
145	17.5	158.9	29,100	22.2	169.5	33,000	27.9	181.4	35,200	145
150	7.7	135.5	26,500	15.8	154.6	31,100	23.0	170.6	33,300	150
151	2.6	123.2	23,900	13.6	149.4	30,100	21.8	167.8	32,900	151
154				7.1	133.8	26,900	18.1	159.3	31,900	154
155							16.9	156.4	31,600	155
160							6.0	130.5	27,400	160
165										165
166										166
170										170
175										175
180										180
184										184
185										185
190										190
193										193

# MLC250 S-3

ASME B30.5



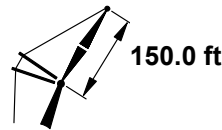
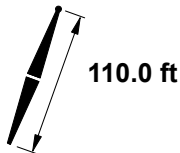
219,600 lb  
+  
80,000 lb



	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
47													47
50													50
55													55
60													60
65													65
68													68
70													70
75													75
80	68.0	245.4	74,700										80
85	65.8	243.2	70,700										85
90	63.5	240.8	65,900										90
95	61.2	238.1	61,400										95
100	58.8	235.2	57,500										100
101	58.3	234.5	56,800	62.7	237.7	53,700							101
105	56.3	231.9	54,000	60.8	235.5	51,100							105
110	53.8	228.4	50,800	58.5	232.5	48,000							110
115	51.2	224.5	47,900	56.0	229.2	45,300							115
120	48.5	220.2	45,300	53.5	225.6	42,800	58.0	228.8	40,300				120
125	45.7	215.4	42,900	50.9	221.6	40,500	55.6	225.5	38,200				125
130	42.8	210.2	40,700	48.2	217.3	38,400	53.0	221.8	36,200				130
135	39.6	204.4	38,700	45.3	212.5	36,500	50.4	217.8	34,300				135
139	36.9	199.1	37,200	42.9	208.3	35,000	48.2	214.3	33,000	52.9	217.8	30,900	139
140	36.2	197.8	36,800	42.3	207.2	34,700	47.7	213.4	32,600	52.4	217.0	30,600	140
145	32.6	190.4	35,000	39.2	201.3	33,000	44.8	208.5	31,000	49.7	212.9	29,100	145
150	28.5	181.7	33,400	35.8	194.6	31,500	41.8	203.1	29,600	47.0	208.4	27,700	150
151	27.5	179.6	33,100	35.0	193.1	31,200	41.1	201.9	29,300	46.4	207.4	27,500	151
154	24.7	173.4	32,200	32.8	188.5	30,300	39.2	198.3	28,500	44.7	204.4	26,700	154
155	23.7	171.3	31,900	32.0	187.0	30,000	38.6	197.1	28,200	44.1	203.4	26,400	155
160	17.8	157.7	30,400	27.9	178.2	28,700	35.1	190.3	26,900	41.0	197.8	25,200	160
165	8.4	135.3	29,000	23.0	167.4	27,400	31.3	182.5	25,700	37.8	191.6	24,100	165
166	4.4	125.6	27,800	21.8	164.6	27,200	30.5	180.6	25,500	37.1	190.2	23,800	166
170				16.9	153.2	26,200	27.1	173.3	24,600	34.2	184.6	23,000	170
175				6.1	127.3	25,000	22.0	162.1	23,500	30.3	176.5	22,000	175
180							15.5	146.9	22,500	25.9	167.0	21,000	180
184							6.4	125.2	21,600	21.7	157.4	20,300	184
185										20.6	155.1	20,100	185
190										13.4	138.2	19,200	190
193										5.5	119.1	18,600	193

# MLC250 S-3

ASME B30.5

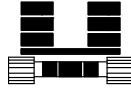


	88°			86°			83°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
49	75.9	263.2	76,200							49
50	75.5	262.9	76,000							50
55	73.5	261.5	75,400							55
58	72.3	260.5	74,400	73.8	261.4	82,300				58
60	71.5	259.8	73,800	73.0	260.8	80,400				60
65	69.4	258.0	72,300	71.0	259.2	76,000				65
70	67.4	256.0	68,400	69.0	257.3	71,800				70
71	67.0	255.5	67,600	68.5	256.9	71,000	70.9	258.4	75,900	71
75	65.3	253.8	64,700	66.9	255.2	67,900	69.3	256.9	72,600	75
80	63.2	251.3	61,400	64.8	252.9	64,400	67.2	254.9	68,700	80
84	61.4	249.1	58,800	63.1	250.9	61,700	65.5	253.0	65,800	84
85	61.0	248.6	58,200	62.6	250.4	61,000	65.1	252.6	65,100	85
90	58.8	245.6	55,400	60.5	247.6	57,900	63.0	250.1	61,800	90
95	56.5	242.4	52,600	58.2	244.6	55,100	60.8	247.4	58,600	95
100	54.1	238.9	49,000	55.9	241.3	52,500	58.6	244.4	55,800	100
105	51.7	235.0	45,700	53.6	237.7	50,000	56.3	241.1	53,100	105
110	49.2	230.8	42,700	51.2	233.8	47,700	53.9	237.6	50,600	110
115	46.7	226.2	39,900	48.6	229.5	45,700	51.5	233.7	48,300	115
120	43.9	221.2	37,300	46.0	224.8	43,700	49.0	229.5	46,200	120
125	41.1	215.6	35,000	43.3	219.7	41,400	46.4	224.8	44,100	125
126	40.5	214.4	34,600	42.7	218.5	41,000	45.9	223.8	43,700	126
130	38.1	209.5	33,000	40.4	214.0	39,000	43.7	219.8	41,800	130
135	34.8	202.6	31,100	37.3	207.7	36,800	40.8	214.2	39,300	135
140	31.3	194.7	29,500	34.0	200.6	34,600	37.8	207.9	37,100	140
145	27.3	185.6	28,100	30.4	192.5	32,600	34.5	201.0	35,000	145
150	22.7	174.7	26,900	26.3	183.0	30,900	30.9	193.0	33,100	150
155	16.9	160.4	26,100	21.5	171.4	29,500	26.9	183.8	31,400	155
160	7.4	136.1	23,700	15.2	155.9	27,800	22.2	172.6	29,700	160
161	2.5	123.3	21,400	13.1	150.5	26,900	21.0	169.6	29,400	161
164				6.9	134.4	24,100	17.5	160.8	28,500	164
165							16.3	157.9	28,200	165
170							5.8	131.0	24,600	170
175										175
176										176
180										180
185										185
190										190
194										194
195										195
200										200
203										203

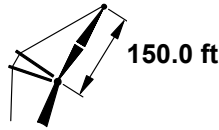
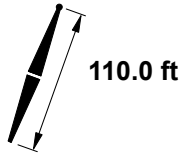


# MLC250 S-3

ASME B30.5



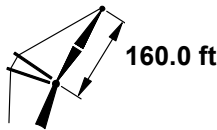
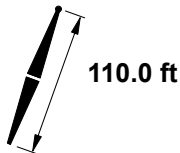
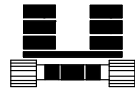
219,600 lb  
+  
80,000 lb



	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
49													49
50													50
55													55
58													58
60													60
65													65
70													70
71													71
75													75
80													80
84	67.9	254.6	69,800										84
85	67.5	254.2	69,000										85
90	65.4	251.9	65,500										90
95	63.2	249.5	61,300										95
100	61.1	246.8	57,300										100
105	58.9	243.8	53,800	63.0	246.9	50,900							105
110	56.6	240.6	50,600	60.8	244.1	47,800							110
115	54.3	237.1	47,800	58.6	241.2	45,100							115
120	51.9	233.3	45,100	56.3	237.9	42,600							120
125	49.4	229.1	42,700	53.9	234.3	40,300							125
126	48.8	228.2	42,300	53.4	233.6	39,900	57.7	236.9	37,600				126
130	46.8	224.5	40,500	51.5	230.5	38,200	55.9	234.2	36,000				130
135	44.1	219.5	38,500	49.0	226.2	36,300	53.5	230.6	34,100				135
140	41.2	214.0	36,700	46.4	221.6	34,500	51.1	226.7	32,500				140
145	38.2	207.9	34,900	43.7	216.5	32,900	48.6	222.4	30,900	52.9	225.8	28,900	145
150	35.0	201.0	33,300	40.8	210.9	31,300	45.9	217.7	29,400	50.5	221.8	27,500	150
155	31.4	193.2	31,800	37.8	204.7	29,900	43.2	212.5	28,100	47.9	217.4	26,200	155
160	27.5	184.2	30,400	34.5	197.7	28,600	40.3	206.8	26,800	45.3	212.6	25,000	160
161	26.6	182.0	30,100	33.8	196.2	28,300	39.7	205.5	26,500	44.7	211.5	24,800	161
164	23.8	175.5	29,300	31.6	191.4	27,600	37.8	201.7	25,800	43.1	208.4	24,100	164
165	22.9	173.3	29,000	30.9	189.8	27,300	37.2	200.4	25,600	42.5	207.3	23,900	165
170	17.2	159.2	27,800	26.9	180.6	26,100	33.9	193.3	24,500	39.6	201.5	22,800	170
175	8.1	136.0	26,300	22.2	169.4	25,000	30.2	185.2	23,400	36.4	194.9	21,800	175
176	4.3	126.0	24,900	21.0	166.4	24,800	29.4	183.3	23,200	35.7	193.5	21,600	176
180				16.3	154.6	23,900	26.1	175.6	22,400	33.0	187.6	20,900	180
185				5.8	127.8	22,800	21.3	164.0	21,400	29.3	179.2	20,000	185
190							14.9	148.2	20,500	25.0	169.2	19,100	190
194							6.2	125.7	19,700	20.9	159.3	18,400	194
195										19.9	156.8	18,300	195
200										13.0	139.3	17,500	200
203										5.3	119.6	17,000	203

# MLC250 S-3

ASME B30.5



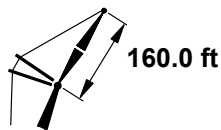
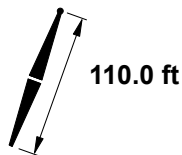
	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
51	76.0	273.0	69,400							51
55	74.5	271.9	68,700							55
60	72.7	270.4	67,400							60
61	72.3	270.0	67,200	73.7	271.0	76,900				61
65	70.8	268.7	66,400	72.2	269.7	73,600				65
70	68.9	266.8	65,400	70.3	268.0	69,700				70
74	67.3	265.1	63,500	68.8	266.4	66,800	71.0	267.9	71,200	74
75	66.9	264.7	63,000	68.4	266.1	66,100	70.6	267.6	70,500	75
80	65.0	262.4	59,800	66.5	263.9	62,600	68.7	265.7	66,800	80
85	63.0	260.0	56,700	64.5	261.6	59,500	66.7	263.6	63,400	85
88	61.7	258.3	55,100	63.3	260.1	57,700	65.6	262.2	61,500	88
90	60.9	257.2	54,000	62.5	259.1	56,500	64.8	261.3	60,200	90
95	58.8	254.3	51,400	60.4	256.3	53,800	62.8	258.8	57,300	95
100	56.7	251.1	48,100	58.3	253.3	51,300	60.7	256.0	54,500	100
105	54.5	247.6	45,000	56.2	250.0	48,900	58.6	253.1	51,900	105
110	52.3	243.8	42,100	54.0	246.5	46,700	56.5	249.8	49,500	110
115	50.0	239.7	39,500	51.7	242.6	44,600	54.3	246.3	47,300	115
120	47.6	235.3	37,000	49.4	238.4	42,700	52.1	242.5	45,100	120
125	45.1	230.4	34,800	47.0	233.9	40,900	49.8	238.4	43,300	125
130	42.5	225.1	32,700	44.5	228.9	38,500	47.4	233.9	41,300	130
131	41.9	223.9	32,400	43.9	227.8	38,100	46.8	232.9	40,800	131
135	39.7	219.3	30,900	41.8	223.5	36,300	44.8	229.0	38,900	135
140	36.8	212.8	29,200	39.0	217.5	34,300	42.2	223.7	36,600	140
145	33.7	205.6	27,600	36.1	210.9	32,400	39.5	217.8	34,500	145
150	30.2	197.4	26,300	32.9	203.5	30,600	36.5	211.3	32,600	150
151	29.5	195.5	26,100	32.2	201.8	30,300	35.9	209.8	32,300	151
155	26.4	188.0	25,100	29.4	195.1	29,000	33.4	204.0	30,900	155
160	21.9	176.6	24,200	25.4	185.2	27,500	29.9	195.7	29,200	160
165	16.3	161.8	23,600	20.8	173.2	26,100	26.0	186.1	27,700	165
170	7.2	136.7	20,800	14.7	157.1	24,500	21.5	174.5	26,300	170
171	2.4	123.5	18,800	12.7	151.6	23,700	20.3	171.4	26,000	171
174				6.6	134.9	21,200	16.9	162.3	25,200	174
175							15.7	159.2	25,000	175
180							5.6	131.4	21,700	180
185										185
186										186
190										190
195										195
200										200
204										204
205										205
210										210
213										213

# MLC250 S-3

ASME B30.5



219,600 lb  
+  
80,000 lb



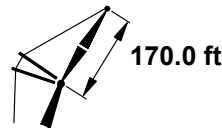
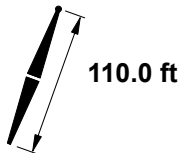
	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
51													51
55													55
60													60
61													61
65													65
70													70
74													74
75													75
80													80
85													85
88	67.8	263.8	65,100										88
90	67.0	262.9	63,800										90
95	65.0	260.6	60,700										95
100	63.0	258.2	56,800										100
105	61.0	255.4	53,300										105
110	58.9	252.5	50,200	62.8	255.5	47,300							110
115	56.8	249.3	47,300	60.7	252.8	44,600							115
120	54.6	245.8	44,700	58.7	249.8	42,100							120
125	52.4	242.1	42,300	56.5	246.6	39,800							125
130	50.1	238.0	40,100	54.3	243.1	37,700							130
131	49.6	237.1	39,700	53.9	242.3	37,300	57.8	245.5	35,000				131
135	47.7	233.6	38,100	52.1	239.3	35,800	56.1	242.9	33,600				135
140	45.2	228.7	36,200	49.8	235.1	34,000	53.9	239.3	31,900				140
145	42.6	223.4	34,500	47.4	230.7	32,400	51.7	235.5	30,300				145
150	39.8	217.6	32,900	44.8	225.8	30,900	49.3	231.3	28,900				150
151	39.3	216.3	32,600	44.3	224.7	30,600	48.8	230.4	28,600	52.9	233.8	26,700	151
155	36.9	211.2	31,400	42.2	220.4	29,400	46.9	226.7	27,500	51.1	230.6	25,700	155
160	33.8	204.0	30,000	39.5	214.5	28,100	44.4	221.8	26,300	48.8	226.4	24,500	160
165	30.4	195.9	28,600	36.5	208.0	26,800	41.7	216.3	25,100	46.3	221.7	23,400	165
170	26.6	186.5	27,400	33.4	200.7	25,700	38.9	210.3	24,000	43.8	216.6	22,300	170
171	25.7	184.3	27,200	32.7	199.1	25,400	38.3	209.0	23,700	43.2	215.5	22,100	171
174	23.0	177.5	26,500	30.6	194.1	24,800	36.6	205.0	23,100	41.6	212.2	21,500	174
175	22.2	175.2	26,200	29.9	192.5	24,600	36.0	203.7	22,900	41.1	211.1	21,300	175
180	16.6	160.7	25,100	26.0	182.9	23,500	32.8	196.3	21,900	38.2	204.9	20,400	180
185	7.8	136.7	23,300	21.5	171.3	22,500	29.2	187.8	21,000	35.2	198.1	19,500	185
186	4.1	126.3	22,000	20.3	168.2	22,300	28.4	185.8	20,800	34.6	196.6	19,300	186
190				15.7	156.0	21,500	25.3	177.9	20,100	31.9	190.5	18,600	190
195				5.6	128.2	20,600	20.6	165.8	19,200	28.3	181.7	17,800	195
200							14.5	149.4	18,400	24.2	171.3	17,000	200
204							6.0	126.2	17,700	20.2	161.1	16,400	204
205										19.3	158.5	16,300	205
210										12.5	140.4	15,600	210
213										5.1	120.0	15,100	213

# MLC250 S-3

ASME B30.5



219,600 lb  
+  
80,000 lb



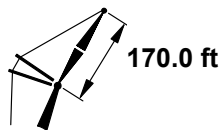
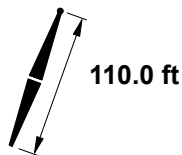
ft	88°			86°			83°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
54	75.8	282.5	62,800							54
55	75.5	282.3	62,600							55
60	73.7	280.9	61,900							60
63	72.7	279.9	61,200	74.0	280.8	71,300				63
65	72.0	279.3	60,800	73.3	280.2	71,200				65
70	70.2	277.5	60,000	71.5	278.6	67,800				70
75	68.4	275.6	59,100	69.7	276.8	64,400				75
78	67.3	274.3	58,700	68.7	275.6	62,400	70.7	277.1	66,400	78
80	66.5	273.5	58,400	67.9	274.8	61,100	70.0	276.4	65,200	80
85	64.7	271.1	55,500	66.1	272.6	58,200	68.2	274.4	62,000	85
90	62.8	268.6	52,800	64.2	270.3	55,300	66.4	272.3	59,000	90
92	62.0	267.5	51,700	63.5	269.3	54,300	65.6	271.4	57,800	92
95	60.9	265.9	50,000	62.3	267.7	52,800	64.5	270.0	56,100	95
100	58.9	262.9	47,000	60.4	264.9	50,300	62.6	267.4	53,500	100
105	56.9	259.8	44,200	58.4	261.9	48,000	60.7	264.7	51,000	105
110	54.9	256.3	41,500	56.4	258.7	45,800	58.7	261.7	48,700	110
114	53.2	253.3	39,500	54.8	255.9	44,200	57.1	259.1	46,900	114
115	52.8	252.6	39,100	54.4	255.2	43,800	56.7	258.5	46,500	115
120	50.6	248.6	36,700	52.3	251.4	42,000	54.7	255.0	44,400	120
125	48.4	244.2	34,600	50.1	247.3	40,200	52.6	251.3	42,500	125
130	46.1	239.5	32,600	47.8	242.9	38,100	50.4	247.3	40,700	130
135	43.6	234.4	30,700	45.5	238.1	35,900	48.2	242.9	38,400	135
136	43.1	233.3	30,300	45.0	237.1	35,500	47.7	241.9	38,000	136
140	41.1	228.9	29,000	43.1	232.9	33,800	45.8	238.1	36,200	140
145	38.5	222.8	27,500	40.5	227.2	32,000	43.4	233.0	34,100	145
150	35.6	216.0	26,100	37.8	221.0	30,200	40.9	227.4	32,200	150
155	32.6	208.5	24,800	35.0	214.1	28,600	38.2	221.3	30,400	155
157	31.3	205.1	24,400	33.7	211.0	28,000	37.1	218.5	29,800	157
160	29.3	200.1	23,700	31.9	206.4	27,100	35.4	214.5	28,800	160
165	25.6	190.2	22,800	28.5	197.6	25,700	32.3	206.9	27,300	165
170	21.3	178.4	22,000	24.6	187.4	24,400	29.0	198.3	25,900	170
175	15.8	163.1	21,400	20.1	175.0	23,200	25.2	188.3	24,500	175
180	6.9	137.3	18,300	14.3	158.4	21,700	20.8	176.3	23,300	180
181	2.3	123.6	16,500	12.3	152.6	21,000	19.7	173.1	23,100	181
184				6.4	135.4	18,700	16.4	163.7	22,400	184
185							15.2	160.5	22,200	185
190							5.4	131.9	19,200	190
195										195
196										196
200										200
205										205
210										210
214										214
220										220
223										223

# MLC250 S-3

ASME B30.5



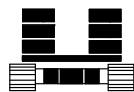
219,600 lb  
+  
80,000 lb



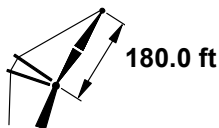
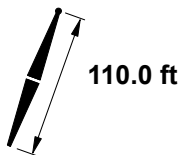
	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
54													54
55													55
60													60
63													63
65													65
70													70
75													75
78													78
80													80
85													85
90													90
92	67.7	272.9	61,100										92
95	66.6	271.6	59,300										95
100	64.8	269.3	56,500										100
105	62.9	266.8	52,900										105
110	61.0	264.1	49,800										110
114	59.4	261.7	47,500	63.0	264.7	44,700							114
115	59.0	261.2	46,900	62.6	264.2	44,200							115
120	57.0	258.0	44,300	60.7	261.5	41,700							120
125	55.0	254.6	41,900	58.7	258.5	39,400							125
130	52.9	250.9	39,700	56.7	255.3	37,300							130
135	50.7	246.9	37,700	54.7	251.8	35,400							135
136	50.3	246.0	37,300	54.3	251.1	35,100	58.0	254.2	32,800				136
140	48.5	242.5	35,900	52.6	248.1	33,700	56.4	251.6	31,500				140
145	46.2	237.8	34,100	50.4	244.0	32,000	54.3	248.1	29,900				145
150	43.8	232.8	32,500	48.2	239.7	30,500	52.2	244.3	28,500				150
155	41.2	227.2	31,000	45.8	234.9	29,100	50.0	240.2	27,100				155
157	40.2	224.8	30,500	44.9	232.9	28,500	49.1	238.4	26,600	52.9	241.8	24,800	157
160	38.6	221.2	29,600	43.4	229.8	27,700	47.8	235.7	25,900	51.7	239.5	24,100	160
165	35.8	214.5	28,300	40.9	224.2	26,500	45.4	230.9	24,700	49.5	235.3	22,900	165
170	32.8	207.0	27,100	38.2	218.0	25,300	43.0	225.7	23,600	47.2	230.8	21,900	170
175	29.4	198.6	25,900	35.4	211.2	24,200	40.4	220.0	22,500	44.8	225.9	20,900	175
180	25.8	188.8	24,700	32.3	203.6	23,200	37.7	213.8	21,600	42.4	220.5	20,000	180
181	24.9	186.5	24,400	31.7	201.9	23,000	37.1	212.4	21,400	41.9	219.4	19,800	181
184	22.3	179.5	23,700	29.6	196.8	22,400	35.4	208.2	20,800	40.3	215.9	19,300	184
185	21.5	177.1	23,400	29.0	195.1	22,200	34.8	206.8	20,600	39.8	214.7	19,100	185
190	16.1	162.1	22,300	25.2	185.1	21,300	31.7	199.1	19,700	37.0	208.3	18,200	190
195	7.6	137.3	20,700	20.8	173.1	20,400	28.3	190.3	18,900	34.1	201.2	17,400	195
196	4.0	126.6	19,500	19.7	169.9	20,200	27.6	188.2	18,700	33.5	199.6	17,300	196
200				15.3	157.3	19,500	24.5	180.0	18,100	30.9	193.2	16,700	200
205				5.4	128.7	18,600	19.9	167.5	17,300	27.4	184.1	16,000	205
210							14.0	150.7	16,600	23.5	173.4	15,300	210
214							5.8	126.6	15,900	18.9	160.6	14,700	214
220										12.1	141.4	13,900	220
223										5.0	120.4	13,500	223

# MLC250 S-3

ASME B30.5



219,600 lb  
+  
80,000 lb



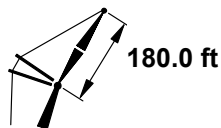
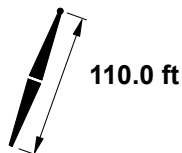
ft	88°			86°			83°			ft
	ft	lb	ft	ft	lb	ft	ft	lb		
56	76.0	292.4	56,700							56
60	74.6	291.3	56,500							60
65	73.0	289.8	55,800							65
66	72.6	289.5	55,600	73.9	290.4	64,200				66
70	71.3	288.1	54,900	72.6	289.1	63,900				70
75	69.6	286.3	54,200	70.9	287.4	62,400				75
80	67.9	284.3	53,500	69.2	285.6	59,400				80
81	67.6	283.9	53,300	68.9	285.2	58,800	70.8	286.7	61,500	81
85	66.2	282.2	52,800	67.5	283.6	56,500	69.5	285.2	60,100	85
90	64.4	279.8	50,900	65.8	281.4	53,900	67.8	283.2	57,300	90
95	62.6	277.3	48,300	64.0	279.0	51,400	66.0	281.0	54,600	95
100	60.8	274.6	45,700	62.2	276.4	49,000	64.3	278.7	52,100	100
105	59.0	271.6	43,200	60.4	273.6	46,800	62.5	276.1	49,700	105
110	57.1	268.4	40,800	58.5	270.6	44,700	60.7	273.3	47,500	110
115	55.2	265.0	38,500	56.6	267.4	42,800	58.8	270.4	45,400	115
119	53.6	262.1	36,600	55.1	264.6	41,300	57.3	267.8	43,800	119
120	53.2	261.4	36,200	54.7	263.9	41,000	56.9	267.2	43,400	120
125	51.2	257.4	34,100	52.7	260.2	39,300	55.0	263.8	41,600	125
130	49.1	253.2	32,200	50.7	256.2	37,600	53.0	260.1	39,800	130
135	46.9	248.6	30,400	48.6	251.9	35,400	51.0	256.1	37,900	135
140	44.7	243.7	28,800	46.4	247.2	33,300	48.9	251.8	35,700	140
142	43.7	241.5	28,200	45.5	245.2	32,600	48.0	250.0	34,800	142
145	42.3	238.3	27,300	44.1	242.2	31,400	46.7	247.2	33,600	145
150	39.9	232.5	25,900	41.8	236.7	29,700	44.5	242.3	31,700	150
155	37.3	226.2	24,600	39.3	230.8	28,100	42.1	236.9	29,900	155
160	34.6	219.2	23,400	36.7	224.3	26,600	39.7	231.0	28,300	160
163	32.8	214.5	22,800	35.0	220.0	25,700	38.1	227.2	27,400	163
165	31.7	211.4	22,400	33.9	217.1	25,200	37.1	224.6	26,800	165
170	28.4	202.6	21,400	30.9	209.1	23,900	34.3	217.6	25,400	170
175	24.8	192.4	20,600	27.6	200.1	22,600	31.4	209.7	24,000	175
180	20.6	180.3	20,000	23.9	189.5	21,500	28.1	200.8	22,800	180
185	15.4	164.5	19,200	19.5	176.7	20,400	24.5	190.5	21,600	185
190	6.7	137.8	16,000	13.8	159.6	19,100	20.2	178.1	20,500	190
191	2.3	123.8	14,300	11.9	153.7	18,400	19.1	174.8	20,300	191
194				6.2	136.0	16,300	15.9	165.1	19,700	194
195							14.8	161.8	19,500	195
200							5.3	132.3	16,800	200
205										205
206										206
210										210
215										215
220										220
224										224
230										230
233										233

# MLC250 S-3

ASME B30.5



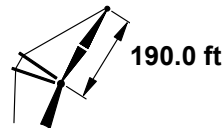
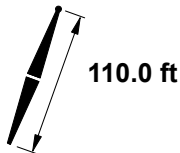
219,600 lb  
+  
80,000 lb



	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
56													56
60													60
65													65
66													66
70													70
75													75
80													80
81													81
85													85
90													90
95	68.0	282.5	57,600										95
100	66.3	280.4	55,000										100
105	64.5	278.0	52,500										105
110	62.7	275.5	49,300										110
115	60.9	272.8	46,400										115
119	59.4	270.4	44,300	62.8	273.4	41,600							119
120	59.1	269.8	43,800	62.5	272.9	41,200							120
125	57.2	266.7	41,400	60.7	270.1	38,900							125
130	55.2	263.3	39,300	58.8	267.1	36,800							130
135	53.3	259.6	37,300	56.9	264.0	34,900							135
140	51.3	255.7	35,400	55.0	260.5	33,200							140
142	50.4	254.0	34,700	54.2	259.0	32,500	57.7	262.2	30,300				142
145	49.2	251.5	33,700	53.0	256.8	31,500	56.6	260.3	29,400				145
150	47.0	246.9	32,100	51.0	252.9	30,000	54.6	256.8	28,000				150
155	44.8	242.0	30,600	48.9	248.6	28,600	52.6	253.1	26,600				155
160	42.5	236.7	29,200	46.7	244.0	27,300	50.6	249.0	25,400				160
163	41.0	233.2	28,400	45.4	241.0	26,500	49.3	246.4	24,600	53.0	249.8	22,800	163
165	40.0	230.9	27,900	44.5	239.0	26,000	48.5	244.7	24,200	52.2	248.3	22,400	165
170	37.5	224.6	26,700	42.1	233.6	24,800	46.3	240.1	23,100	50.1	244.2	21,300	170
175	34.7	217.6	25,500	39.7	227.8	23,800	44.1	235.0	22,000	48.0	239.8	20,400	175
180	31.8	209.8	24,200	37.1	221.4	22,700	41.7	229.6	21,000	45.8	235.0	19,400	180
185	28.6	201.1	22,900	34.3	214.3	21,700	39.2	223.6	20,100	43.5	229.9	18,500	185
190	25.0	191.0	21,700	31.4	206.5	20,800	36.6	217.1	19,200	41.1	224.3	17,700	190
191	24.2	188.6	21,500	30.7	204.7	20,600	36.1	215.6	19,100	40.6	223.1	17,600	191
194	21.7	181.4	20,900	28.8	199.3	20,100	34.4	211.3	18,600	39.1	219.4	17,100	194
195	20.8	179.0	20,600	28.1	197.6	19,900	33.8	209.9	18,400	38.6	218.2	16,900	195
200	15.6	163.4	19,600	24.5	187.3	19,100	30.8	201.9	17,600	36.0	211.6	16,200	200
205	7.4	137.9	18,200	20.2	174.8	18,300	27.5	192.7	16,900	33.1	204.2	15,500	205
206	3.8	126.9	17,100	19.1	171.6	18,100	26.8	190.6	16,700	32.5	202.5	15,300	206
210				14.8	158.6	17,500	23.8	182.1	16,100	30.0	195.9	14,800	210
215				5.3	129.1	16,700	19.4	169.2	15,400	26.6	186.5	14,100	215
220							13.6	151.8	14,800	22.8	175.4	13,500	220
224							5.6	127.1	14,200	18.4	162.2	13,000	224
230										11.8	142.4	12,300	230
233										4.8	120.8	11,900	233

# MLC250 S-3

ASME B30.5



ft	88°			86°			83°			ft
	ft	lb	ft	ft	lb	ft	ft	lb	ft	
59	75.8	301.9	50,900							59
60	75.5	301.6	50,800							60
65	73.9	300.2	50,400							65
69	72.6	299.0	50,200	73.9	299.9	57,500				69
70	72.3	298.7	50,100	73.5	299.6	57,400				70
75	70.7	297.0	49,300	72.0	298.0	57,000				75
80	69.1	295.1	48,700	70.4	296.3	56,700				80
84	67.8	293.5	48,300	69.1	294.7	55,300	70.9	296.2	55,000	84
85	67.5	293.1	48,100	68.8	294.4	54,900	70.6	295.9	54,900	85
90	65.9	290.9	47,600	67.1	292.3	52,400	69.0	294.0	54,800	90
95	64.2	288.5	46,800	65.5	290.1	50,000	67.4	291.9	53,100	95
99	62.8	286.5	44,900	64.1	288.1	48,300	66.0	290.2	51,300	99
100	62.5	286.0	44,400	63.8	287.7	47,800	65.7	289.7	50,800	100
105	60.8	283.2	42,200	62.1	285.1	45,700	64.0	287.3	48,500	105
110	59.0	280.3	40,000	60.4	282.3	43,700	62.3	284.8	46,400	110
115	57.2	277.1	37,900	58.6	279.3	41,800	60.6	282.0	44,300	115
120	55.4	273.7	35,900	56.8	276.1	40,100	58.9	279.0	42,500	120
123	54.3	271.6	34,700	55.7	274.0	39,100	57.8	277.1	41,400	123
125	53.6	270.1	34,000	55.0	272.6	38,400	57.1	275.9	40,600	125
130	51.7	266.2	32,100	53.1	268.9	36,800	55.3	272.5	38,900	130
135	49.7	262.1	30,400	51.2	265.0	35,300	53.4	268.8	37,400	135
140	47.7	257.6	28,700	49.2	260.8	33,400	51.5	264.9	35,800	140
145	45.6	252.8	27,300	47.2	256.3	31,500	49.5	260.7	33,700	145
147	44.7	250.8	26,700	46.3	254.3	30,700	48.7	258.9	32,900	147
150	43.4	247.7	25,900	45.1	251.4	29,700	47.5	256.3	31,700	150
155	41.2	242.1	24,600	42.9	246.1	28,000	45.4	251.4	29,900	155
160	38.8	236.1	23,400	40.6	240.5	26,500	43.2	246.2	28,300	160
165	36.3	229.5	22,300	38.2	234.3	25,100	40.9	240.6	26,700	165
169	34.2	223.6	21,500	36.2	228.9	24,000	39.0	235.8	25,600	169
170	33.6	222.2	21,300	35.7	227.5	23,800	38.6	234.5	25,300	170
175	30.8	214.1	20,500	33.0	220.1	22,500	36.1	227.9	23,900	175
180	27.6	205.0	19,600	30.1	211.8	21,400	33.4	220.6	22,700	180
185	24.1	194.6	18,900	26.9	202.5	20,300	30.5	212.4	21,500	185
190	20.1	182.0	18,400	23.3	191.6	19,200	27.4	203.2	20,400	190
200	6.5	138.4	14,100	13.5	160.7	17,000	19.7	179.8	18,400	200
201	2.2	124.0	12,700	11.6	154.7	16,400	18.2	175.1	18,000	201
204				6.0	136.5	14,500	13.8	161.0	17,000	204
210							5.1	132.7	14,900	210
216										216
220										220
225										225
230										230
234										234
240										240
243										243

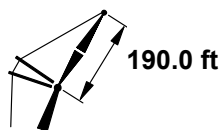
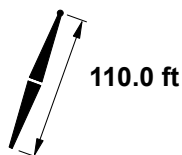


# MLC250 S-3

ASME B30.5



219,600 lb  
+  
80,000 lb



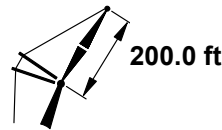
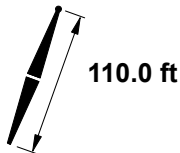
	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
59													59
60													60
65													65
69													69
70													70
75													75
80													80
84													84
85													85
90													90
95													95
99	67.9	291.7	53,900										99
100	67.6	291.3	53,400										100
105	65.9	289.1	51,100										105
110	64.3	286.7	48,900										110
115	62.6	284.2	46,200										115
120	60.9	281.4	43,600										120
123	59.8	279.7	42,200	63.0	282.6	39,600							123
125	59.1	278.5	41,200	62.3	281.5	38,700							125
130	57.3	275.3	39,000	60.6	278.8	36,600							130
135	55.5	272.0	37,000	58.9	275.8	34,700							135
140	53.6	268.4	35,200	57.1	272.6	32,900							140
145	51.7	264.5	33,500	55.3	269.2	31,300							145
147	51.0	262.8	32,800	54.5	267.8	30,700	57.8	270.9	28,600				147
150	49.8	260.4	31,900	53.4	265.6	29,800	56.8	269.0	27,700				150
155	47.8	255.9	30,400	51.5	261.7	28,400	54.9	265.5	26,400				155
160	45.7	251.1	29,000	49.5	257.5	27,000	53.0	261.8	25,100				160
165	43.5	246.0	27,700	47.5	253.0	25,800	51.1	257.9	24,000				165
169	41.7	241.6	26,700	45.8	249.2	24,900	49.5	254.5	23,100	53.0	257.8	21,300	169
170	41.3	240.5	26,500	45.4	248.2	24,600	49.2	253.6	22,900	52.6	257.0	21,100	170
175	38.9	234.4	25,300	43.2	243.0	23,500	47.1	249.1	21,800	50.7	253.0	20,100	175
180	36.4	227.9	24,100	41.0	237.4	22,500	45.0	244.2	20,800	48.7	248.7	19,200	180
185	33.8	220.6	22,800	38.6	231.3	21,500	42.8	239.0	19,900	46.6	244.1	18,300	185
190	30.9	212.6	21,600	36.1	224.7	20,600	40.5	233.3	19,000	44.5	239.1	17,500	190
200	24.3	193.2	19,500	30.5	209.2	18,900	35.6	220.3	17,400	40.0	228.0	16,000	200
201	23.4	190.3	19,300	29.8	207.2	18,800	35.0	218.7	17,300	39.5	226.6	15,800	201
204	20.7	181.8	18,700	27.8	201.3	18,300	33.3	214.0	16,800	38.0	222.7	15,400	204
210	15.2	164.7	17,500	23.8	189.4	17,400	30.0	204.5	16,000	35.0	214.7	14,600	210
216	3.7	127.2	15,200	18.2	171.6	16,500	25.9	192.3	15,200	31.5	205.0	13,800	216
220				14.4	159.8	15,900	23.1	184.2	14,600	29.2	198.5	13,300	220
225				5.1	129.5	15,200	18.8	170.8	14,000	25.9	188.8	12,700	225
230							13.2	153.0	13,400	22.1	177.4	12,200	230
234							5.5	127.5	12,800	17.9	163.8	11,700	234
240										11.5	143.4	11,100	240
243										4.7	121.1	10,700	243

# MLC250 S-3

ASME B30.5



219,600 lb  
+  
80,000 lb



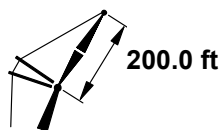
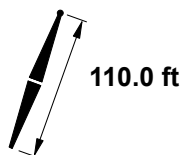
	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
61	75.9	311.7	46,100							61
65	74.7	310.6	45,800							65
70	73.2	309.2	45,400							70
72	72.6	308.5	45,200	73.8	309.4	51,800				72
75	71.7	307.6	45,000	72.9	308.5	51,600				75
80	70.2	305.8	44,500	71.4	306.9	51,200				80
85	68.7	303.9	44,100	69.9	305.1	50,900				85
87	68.1	303.1	43,900	69.2	304.3	50,700	71.0	305.8	49,400	87
90	67.1	301.8	43,600	68.3	303.1	50,500	70.1	304.7	49,300	90
95	65.6	299.6	43,100	66.8	301.0	48,600	68.5	302.8	49,100	95
100	64.0	297.2	42,600	65.2	298.8	46,500	67.0	300.7	48,800	100
103	63.0	295.6	41,400	64.2	297.3	45,200	66.0	299.3	47,800	103
105	62.4	294.6	40,700	63.6	296.3	44,400	65.4	298.4	47,100	105
110	60.7	291.9	38,800	62.0	293.7	42,600	63.8	296.0	45,100	110
115	59.1	288.9	36,800	60.3	290.9	40,700	62.2	293.4	43,200	115
120	57.4	285.8	35,100	58.7	287.9	39,100	60.6	290.7	41,400	120
125	55.7	282.4	33,200	57.0	284.7	37,400	58.9	287.7	39,600	125
128	54.6	280.3	32,200	55.9	282.7	36,500	57.9	285.8	38,600	128
130	53.9	278.9	31,600	55.2	281.3	35,900	57.2	284.5	38,000	130
135	52.1	275.0	30,000	53.5	277.7	34,500	55.5	281.2	36,500	135
140	50.2	271.0	28,400	51.7	273.8	32,900	53.7	277.6	34,900	140
145	48.3	266.6	27,000	49.8	269.7	31,000	51.9	273.7	33,200	145
150	46.4	261.9	25,600	47.9	265.3	29,200	50.1	269.6	31,200	150
152	45.6	259.9	25,100	47.1	263.4	28,500	49.3	267.9	30,500	152
155	44.4	256.9	24,400	45.9	260.5	27,500	48.2	265.2	29,400	155
160	42.3	251.6	23,200	43.9	255.4	26,000	46.2	260.6	27,800	160
165	40.1	245.8	22,100	41.8	250.0	24,600	44.2	255.5	26,200	165
170	37.8	239.5	21,100	39.5	244.1	23,300	42.1	250.1	24,800	170
175	35.3	232.6	20,100	37.2	237.7	22,000	39.9	244.3	23,400	175
180	32.8	225.1	19,300	34.7	230.7	20,800	37.6	237.9	22,200	180
185	30.0	216.8	18,600	32.1	223.0	19,700	35.1	231.1	21,000	185
190	26.9	207.4	17,900	29.3	214.4	18,700	32.5	223.5	19,900	190
195	23.5	196.6	17,100	26.2	204.8	17,700	29.7	215.1	18,800	195
200	19.5	183.7	16,200	22.6	193.6	16,800	26.6	205.6	17,900	200
210	6.4	138.9	12,100	13.1	161.9	14,800	19.2	181.5	16,000	210
211	2.1	124.1	10,800	11.3	155.6	14,200	17.7	176.6	15,700	211
214				5.9	136.9	12,400	13.5	162.1	14,800	214
220							5.0	133.1	12,900	220
226										226
230										230
235										235
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253										253

# MLC250 S-3

ASME B30.5



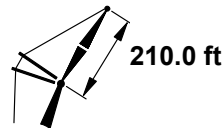
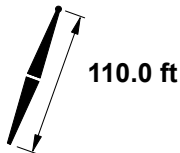
219,600 lb  
+  
80,000 lb



	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
61													61
65													65
70													70
72													72
75													75
80													80
85													85
87													87
90													90
95													95
100													100
103	67.8	300.8	50,300										103
105	67.2	300.0	49,500										105
110	65.6	297.8	47,500										110
115	64.1	295.4	45,500										115
120	62.4	292.8	43,100										120
125	60.8	290.1	40,800										125
128	59.8	288.3	39,500	62.9	291.3	36,900							128
130	59.1	287.2	38,600	62.2	290.2	36,100							130
135	57.5	284.0	36,600	60.6	287.4	34,200							135
140	55.7	280.7	34,700	58.9	284.5	32,400							140
145	54.0	277.1	33,000	57.2	281.3	30,800							145
150	52.2	273.3	31,400	55.5	277.9	29,300							150
152	51.4	271.7	30,800	54.8	276.5	28,700	57.9	279.6	26,600				152
155	50.3	269.2	29,900	53.7	274.3	27,900	56.9	277.6	25,900				155
160	48.4	264.9	28,500	51.9	270.5	26,600	55.2	274.2	24,600				160
165	46.5	260.2	27,200	50.1	266.4	25,300	53.4	270.6	23,400				165
170	44.5	255.3	26,000	48.2	262.0	24,200	51.6	266.7	22,300				170
175	42.4	249.9	24,900	46.2	257.3	23,100	49.7	262.6	21,300	53.0	265.8	19,600	175
180	40.2	244.1	23,600	44.2	252.3	22,000	47.8	258.1	20,300	51.2	261.9	18,700	180
185	37.9	237.9	22,300	42.1	246.9	21,100	45.8	253.4	19,400	49.3	257.7	17,800	185
190	35.5	231.1	21,100	39.9	241.0	20,200	43.8	248.3	18,500	47.3	253.1	17,000	190
195	32.9	223.6	20,000	37.6	234.7	19,300	41.7	242.8	17,700	45.4	248.3	16,200	195
200	30.1	215.3	19,000	35.1	227.8	18,500	39.5	236.9	16,900	43.3	243.1	15,500	200
210	23.7	195.3	17,000	29.7	211.8	16,900	34.7	223.4	15,500	38.9	231.5	14,100	210
211	22.8	192.3	16,800	29.1	209.8	16,800	34.1	221.8	15,400	38.4	230.1	14,000	211
214	20.1	183.6	16,300	27.1	203.7	16,400	32.5	216.9	15,000	36.9	226.0	13,600	214
220	14.8	166.0	15,300	23.2	191.4	15,500	29.2	207.1	14,200	34.0	217.8	12,800	220
226	3.6	127.5	13,200	17.7	173.2	14,700	25.2	194.5	13,400	30.7	207.7	12,100	226
230				14.0	161.0	14,200	22.5	186.1	12,900	28.4	201.1	11,700	230
235				5.0	129.9	13,500	18.3	172.4	12,400	25.2	191.0	11,100	235
240							12.9	154.1	11,800	21.6	179.2	10,600	240
244							5.3	128.0	11,300	17.4	165.3	10,200	244
250										11.2	144.3	9,600	250
253										4.6	121.5	9,300	253

# MLC250 S-3

ASME B30.5



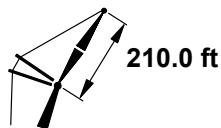
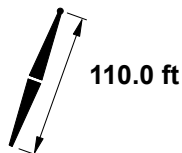
	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
64	75.8	321.3	41,700							64
65	75.5	321.0	41,600							65
70	74.1	319.6	41,200							70
74	72.9	318.4	40,900	74.0	319.3	46,900				74
75	72.6	318.1	40,800	73.7	319.0	46,800				75
80	71.2	316.4	40,400	72.3	317.4	46,500				80
85	69.8	314.6	40,100	70.9	315.7	46,100				85
90	68.3	312.7	39,700	69.4	313.9	45,700				90
91	68.0	312.2	39,600	69.1	313.5	45,600	70.8	315.0	44,500	91
95	66.8	310.6	39,300	67.9	311.9	45,300	69.6	313.5	44,300	95
100	65.3	308.3	38,900	66.5	309.8	44,900	68.2	311.5	44,000	100
105	63.8	305.9	38,600	65.0	307.5	43,400	66.7	309.4	43,800	105
107	63.2	304.8	38,100	64.3	306.5	42,600	66.1	308.5	43,700	107
110	62.3	303.3	37,400	63.4	305.0	41,500	65.2	307.1	43,500	110
115	60.7	300.5	35,700	61.9	302.4	39,800	63.7	304.7	42,200	115
120	59.1	297.6	34,100	60.3	299.6	38,200	62.1	302.1	40,400	120
125	57.5	294.5	32,400	58.7	296.6	36,600	60.6	299.3	38,700	125
130	55.9	291.1	30,900	57.1	293.4	35,100	59.0	296.4	37,200	130
133	54.9	289.0	30,000	56.1	291.4	34,300	58.0	294.5	36,300	133
135	54.2	287.6	29,500	55.5	290.0	33,800	57.4	293.2	35,700	135
140	52.5	283.8	28,000	53.8	286.5	32,400	55.7	289.9	34,300	140
145	50.7	279.8	26,600	52.1	282.6	30,500	54.0	286.3	32,700	145
150	48.9	275.5	25,300	50.3	278.6	28,700	52.3	282.5	30,800	150
155	47.1	271.0	24,200	48.5	274.2	27,100	50.6	278.5	29,000	155
157	46.3	269.0	23,700	47.8	272.4	26,500	49.9	276.8	28,300	157
160	45.2	266.1	23,000	46.7	269.6	25,600	48.8	274.2	27,300	160
165	43.2	260.9	22,000	44.7	264.7	24,100	46.9	269.6	25,800	165
170	41.2	255.3	20,900	42.8	259.4	22,800	45.0	264.7	24,300	170
175	39.0	249.3	20,000	40.7	253.7	21,600	43.0	259.5	23,000	175
180	36.8	242.8	19,200	38.5	247.6	20,400	41.0	253.9	21,700	180
181	36.3	241.3	19,000	38.1	246.2	20,200	40.6	252.6	21,500	181
190	31.9	228.0	17,500	33.9	233.7	18,300	36.6	241.3	19,400	190
200	26.3	209.8	15,700	28.6	217.0	16,400	31.7	226.3	17,400	200
210	19.1	185.4	14,100	22.1	195.5	14,700	26.0	207.9	15,600	210
220	6.2	139.4	10,300	12.8	163.0	12,800	18.7	183.1	14,000	220
221	2.0	124.2	9,100	11.0	156.6	12,200	17.3	178.1	13,700	221
224				5.7	137.4	10,600	13.1	163.3	12,800	224
230							4.8	133.5	11,000	230
236										236
240										240
245										245
250										250
254										254
260										260
263										263

# MLC250 S-3

ASME B30.5



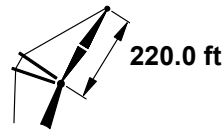
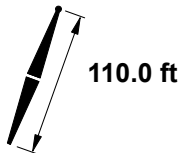
219,600 lb  
+  
80,000 lb



	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
64													64
65													65
70													70
74													74
75													75
80													80
85													85
90													90
91													91
95													95
100													100
105													105
107	67.8	310.0	46,500										107
110	66.9	308.7	46,200										110
115	65.4	306.5	44,400										115
120	63.9	304.1	42,500										120
125	62.3	301.5	40,400										125
130	60.8	298.7	38,200										130
133	59.8	297.0	37,000	62.7	299.9	34,500							133
135	59.2	295.8	36,200	62.1	298.9	33,800							135
140	57.6	292.7	34,300	60.6	296.1	32,000							140
145	55.9	289.4	32,600	59.0	293.1	30,400							145
150	54.3	285.8	31,000	57.4	290.0	28,900							150
155	52.6	282.1	29,600	55.7	286.6	27,500							155
157	51.9	280.5	29,000	55.0	285.2	27,000	58.0	288.3	24,900				157
160	50.8	278.1	28,200	54.0	283.1	26,200	57.1	286.3	24,200				160
165	49.0	273.8	26,900	52.3	279.3	24,900	55.4	282.9	23,000				165
170	47.2	269.3	25,700	50.6	275.3	23,800	53.7	279.3	21,900				170
175	45.3	264.4	24,500	48.8	271.0	22,700	52.0	275.5	20,900				175
180	43.3	259.2	23,200	46.9	266.4	21,700	50.3	271.4	19,900				180
181	42.9	258.1	22,900	46.5	265.4	21,500	49.9	270.5	19,800	53.0	273.8	18,100	181
190	39.1	247.7	20,700	43.0	256.2	19,800	46.6	262.4	18,200	49.8	266.5	16,600	190
200	34.6	234.2	18,500	38.9	244.6	18,100	42.7	252.2	16,600	46.1	257.4	15,100	200
210	29.4	217.9	16,600	34.2	230.9	16,600	38.5	240.4	15,100	42.2	247.0	13,700	210
220	23.1	197.3	14,800	29.0	214.4	15,200	33.8	226.5	13,800	37.9	234.9	12,400	220
221	22.2	194.3	14,700	28.3	212.3	15,100	33.2	224.8	13,700	37.4	233.5	12,300	221
224	19.6	185.3	14,200	26.4	206.0	14,700	31.6	219.8	13,300	36.0	229.3	12,000	224
230	14.5	167.3	13,300	22.6	193.4	13,900	28.4	209.7	12,600	33.2	220.8	11,300	230
236	3.5	127.7	11,300	17.2	174.7	13,200	24.5	196.7	11,900	29.9	210.4	10,700	236
240				13.7	162.2	12,700	22.0	188.1	11,500	27.7	203.5	10,300	240
245				4.9	130.3	12,100	17.9	174.0	10,900	24.6	193.2	9,800	245
250							12.6	155.2	10,400	21.0	181.1	9,300	250
254							5.2	128.4	10,000	17.0	166.8	8,900	254
260										10.9	145.3	8,400	260
263										4.4	121.9	8,100	263

# MLC250 S-3

ASME B30.5



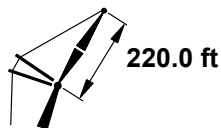
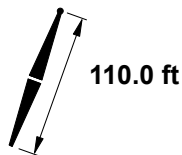
	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
66	75.9	331.1	37,800							66
70	74.8	330.0	37,500							70
75	73.5	328.6	37,100							75
77	72.9	327.9	37,000	74.0	328.8	42,400				77
80	72.1	327.0	36,700	73.1	327.9	42,100				80
85	70.7	325.3	36,300	71.8	326.3	41,800				85
90	69.3	323.4	36,000	70.4	324.6	41,400				90
94	68.2	321.8	35,700	69.3	323.0	41,000	70.9	324.5	40,100	94
95	67.9	321.4	35,600	69.0	322.7	41,000	70.6	324.1	40,000	95
100	66.5	319.3	35,200	67.6	320.6	40,600	69.2	322.3	39,700	100
105	65.1	317.0	34,900	66.2	318.5	40,200	67.8	320.3	39,500	105
110	63.6	314.6	34,500	64.7	316.2	39,800	66.4	318.1	39,200	110
115	62.2	312.0	34,200	63.3	313.7	38,600	64.9	315.8	38,900	115
120	60.7	309.2	32,800	61.8	311.0	37,100	63.5	313.4	38,600	120
125	59.2	306.3	31,400	60.3	308.2	35,500	62.0	310.8	37,700	125
130	57.6	303.1	30,000	58.8	305.3	34,200	60.5	308.0	36,100	130
135	56.1	299.8	28,700	57.3	302.1	32,800	59.0	305.0	34,700	135
137	55.4	298.4	28,200	56.6	300.8	32,200	58.4	303.8	34,200	137
140	54.5	296.3	27,400	55.7	298.7	31,500	57.5	301.9	33,300	140
145	52.8	292.6	26,200	54.1	295.2	30,000	55.9	298.6	32,000	145
150	51.2	288.6	24,900	52.5	291.4	28,200	54.3	295.0	30,300	150
155	49.5	284.4	23,800	50.8	287.4	26,600	52.7	291.3	28,500	155
160	47.7	280.0	22,700	49.1	283.1	25,000	51.0	287.3	26,800	160
163	46.7	277.1	22,100	48.0	280.4	24,200	50.0	284.8	25,900	163
165	45.9	275.2	21,700	47.3	278.6	23,600	49.3	283.1	25,300	165
170	44.1	270.2	20,700	45.5	273.8	22,300	47.6	278.6	23,800	170
175	42.2	264.8	19,800	43.7	268.7	21,000	45.8	273.9	22,500	175
180	40.2	259.0	19,000	41.7	263.2	19,900	43.9	268.8	21,200	180
185	38.1	252.8	18,000	39.7	257.3	18,800	42.0	263.3	20,000	185
187	37.2	250.1	17,600	38.9	254.8	18,400	41.2	261.0	19,600	187
190	35.9	246.1	17,000	37.6	251.0	17,700	40.0	257.5	18,900	190
200	31.2	230.8	15,200	33.1	236.7	15,800	35.7	244.5	16,900	200
210	25.6	212.0	13,600	27.9	219.5	14,100	30.9	229.1	15,100	210
220	18.6	187.0	12,100	21.6	197.4	12,600	25.4	210.1	13,400	220
230	6.1	139.9	8,600	12.5	164.0	10,900	18.2	184.7	12,000	230
231	2.0	124.4	7,400	10.8	157.5	10,400	16.9	179.6	11,700	231
234				5.6	137.9	8,900	12.8	164.4	10,900	234
240							4.7	133.9	9,300	240
246										246
250										250
255										255
260										260
264										264
270										270
273										273

# MLC250 S-3

ASME B30.5



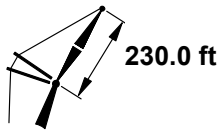
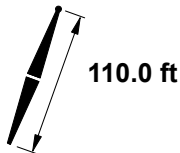
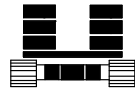
219,600 lb  
+  
80,000 lb



	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
66													66
70													70
75													75
77													77
80													80
85													85
90													90
94													94
95													95
100													100
105													105
110	68.0	319.6	41,700										110
115	66.6	317.5	41,600										115
120	65.1	315.2	41,200										120
125	63.7	312.8	39,600										125
130	62.2	310.2	37,700										130
135	60.7	307.4	35,700										135
137	60.1	306.2	35,000	62.9	309.1	32,600							137
140	59.2	304.5	33,900	62.0	307.5	31,500							140
145	57.7	301.4	32,200	60.5	304.8	29,900							145
150	56.1	298.1	30,600	59.0	301.8	28,400							150
155	54.5	294.6	29,100	57.5	298.7	27,000							155
160	52.9	290.9	27,700	55.9	295.3	25,700							160
163	51.9	288.5	26,900	55.0	293.2	24,900	57.8	296.3	23,000				163
165	51.3	286.9	26,400	54.3	291.8	24,400	57.2	295.0	22,500				165
170	49.6	282.7	25,200	52.7	288.1	23,300	55.6	291.6	21,400				170
175	47.8	278.3	24,000	51.0	284.1	22,200	54.0	288.1	20,400				175
180	46.0	273.6	22,600	49.3	279.9	21,200	52.4	284.3	19,400				180
185	44.2	268.5	21,400	47.6	275.4	20,200	50.7	280.3	18,500				185
187	43.4	266.4	20,900	46.9	273.5	19,900	50.0	278.6	18,200	53.0	281.8	16,500	187
190	42.3	263.1	20,200	45.8	270.6	19,300	49.0	276.0	17,600	52.0	279.5	16,000	190
200	38.2	251.2	18,000	42.0	260.1	17,600	45.5	266.7	16,100	48.6	271.1	14,500	200
210	33.7	237.2	16,100	37.9	248.0	16,100	41.6	256.0	14,600	45.0	261.6	13,200	210
220	28.7	220.5	14,300	33.4	233.9	14,700	37.5	243.8	13,300	41.2	250.8	11,900	220
230	22.5	199.3	12,800	28.3	216.9	13,500	33.0	229.4	12,100	37.0	238.3	10,800	230
231	21.7	196.2	12,600	27.7	214.8	13,400	32.5	227.7	12,000	36.5	236.8	10,700	231
234	19.2	187.0	12,200	25.8	208.3	13,000	30.9	222.5	11,700	35.2	232.4	10,400	234
240	14.1	168.5	11,300	22.1	195.3	12,300	27.8	212.1	11,000	32.4	223.7	9,800	240
246	3.4	128.0	9,600	16.8	176.2	11,600	24.0	198.8	10,400	29.2	213.0	9,200	246
250				13.4	163.4	11,200	21.4	190.0	10,000	27.1	205.9	8,800	250
255				4.7	130.7	10,500	17.5	175.5	9,500	24.0	195.3	8,300	255
260							12.3	156.2	9,000	20.5	182.9	7,800	260
264							5.0	128.8	8,600	16.6	168.2	7,400	264
270										10.6	146.2	6,800	270
273										4.3	122.2	6,500	273

# MLC250 S-3

ASME B30.5



ft	88°			86°			83°			ft
	ft	lb	ft	ft	lb	ft	ft	lb	ft	
68	76.0	340.9	35,000							68
70	75.5	340.4	34,900							70
75	74.2	339.0	34,500							75
80	72.9	337.5	34,200	73.9	338.4	39,400				80
85	71.6	335.8	33,900	72.6	336.8	39,100				85
90	70.3	334.1	33,500	71.3	335.2	38,800				90
95	68.9	332.2	33,200	70.0	333.4	38,400				95
97	68.4	331.4	33,100	69.4	332.6	38,300	70.9	334.1	37,700	97
100	67.6	330.2	32,900	68.6	331.5	38,100	70.1	333.0	37,500	100
105	66.2	328.0	32,500	67.3	329.4	37,700	68.8	331.1	37,300	105
110	64.9	325.7	32,200	65.9	327.2	37,400	67.5	329.0	37,100	110
114	63.7	323.7	31,900	64.8	325.3	37,100	66.4	327.3	36,900	114
115	63.5	323.2	31,900	64.5	324.8	37,100	66.1	326.8	36,800	115
120	62.1	320.6	31,100	63.1	322.4	36,000	64.7	324.5	36,600	120
125	60.6	317.9	29,800	61.7	319.7	34,600	63.3	322.1	36,300	125
130	59.2	314.9	28,600	60.3	316.9	33,200	61.9	319.4	35,200	130
135	57.7	311.8	27,300	58.9	313.9	31,900	60.5	316.7	33,800	135
140	56.2	308.5	26,200	57.4	310.8	30,700	59.1	313.7	32,500	140
142	55.6	307.1	25,700	56.8	309.4	30,200	58.5	312.4	32,000	142
145	54.7	305.0	25,000	55.9	307.4	29,500	57.6	310.6	31,200	145
150	53.2	301.4	24,000	54.4	303.9	27,800	56.1	307.3	29,900	150
155	51.6	297.5	23,000	52.8	300.2	26,200	54.6	303.8	28,100	155
160	50.0	293.3	22,000	51.2	296.2	24,600	53.0	300.1	26,400	160
165	48.3	289.0	21,000	49.6	292.1	23,200	51.5	296.2	24,800	165
168	47.3	286.2	20,500	48.6	289.4	22,400	50.5	293.7	24,000	168
170	46.6	284.3	20,100	47.9	287.6	21,900	49.8	292.0	23,400	170
175	44.9	279.4	19,300	46.2	282.9	20,600	48.2	287.6	22,100	175
180	43.1	274.2	18,500	44.5	277.9	19,500	46.5	282.9	20,800	180
190	39.3	262.6	16,600	40.8	266.9	17,300	42.9	272.7	18,500	190
193	38.0	258.6	16,100	39.5	263.1	16,800	41.8	269.2	17,900	193
200	35.1	249.2	14,800	36.7	254.3	15,400	39.1	261.1	16,500	200
210	30.5	233.5	13,200	32.3	239.6	13,800	34.9	247.6	14,700	210
220	25.1	214.3	11,700	27.2	221.9	12,200	30.2	231.8	13,100	220
230	18.2	188.6	10,400	21.1	199.3	10,800	24.8	212.3	11,600	230
240	5.9	140.4	7,000	12.2	165.1	9,200	17.8	186.2	10,300	240
241	1.9	124.5	6,000	10.5	158.4	8,700	16.5	181.0	10,000	241
244				5.5	138.3	7,300	12.5	165.5	9,200	244
250							4.6	134.3	7,700	250
256										256
260										260
265										265
270										270
274										274
280										280
283										283

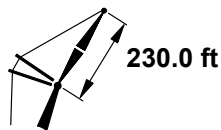
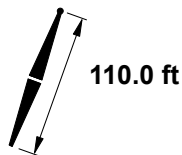


# MLC250 S-3

ASME B30.5



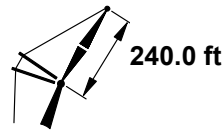
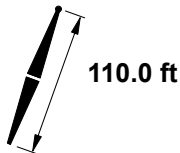
219,600 lb  
+  
80,000 lb



	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
68													68
70													70
75													75
80													80
85													85
90													90
95													95
97													97
100													100
105													105
110													110
114	67.9	328.8	39,500										114
115	67.6	328.3	39,500										115
120	66.3	326.2	39,400										120
125	64.9	323.9	38,500										125
130	63.5	321.4	37,000										130
135	62.1	318.8	35,400										135
140	60.7	316.1	33,600										140
142	60.1	314.9	32,900	62.8	317.8	30,500							142
145	59.3	313.1	31,900	61.9	316.2	29,600							145
150	57.8	310.0	30,300	60.5	313.4	28,100							150
155	56.3	306.8	28,800	59.1	310.5	26,700							155
160	54.8	303.3	27,400	57.6	307.3	25,400							160
165	53.2	299.6	26,100	56.1	304.0	24,100							165
168	52.3	297.3	25,400	55.2	301.9	23,400	57.9	305.0	21,500				168
170	51.7	295.7	24,900	54.6	300.5	23,000	57.3	303.7	21,100				170
175	50.1	291.6	23,600	53.0	296.8	21,900	55.8	300.3	20,100				175
180	48.4	287.2	22,200	51.5	292.9	20,900	54.3	296.8	19,100				180
190	45.0	277.7	19,800	48.2	284.4	19,000	51.2	289.1	17,300				190
193	43.8	274.5	19,100	47.1	281.5	18,500	50.2	286.5	16,900	53.0	289.8	15,200	193
200	41.3	266.9	17,600	44.7	274.8	17,300	47.9	280.5	15,800	50.8	284.3	14,200	200
210	37.3	254.6	15,700	41.0	263.9	15,800	44.4	270.8	14,300	47.5	275.5	12,900	210
220	33.0	240.2	13,900	37.0	251.4	14,400	40.7	259.7	13,000	44.0	265.6	11,600	220
230	28.0	223.0	12,400	32.7	236.8	13,200	36.7	247.1	11,800	40.2	254.4	10,500	230
240	22.0	201.2	11,000	27.6	219.4	12,000	32.2	232.3	10,700	36.2	241.6	9,400	240
241	21.2	198.1	10,800	27.0	217.2	11,900	31.7	230.6	10,600	35.7	240.1	9,300	241
244	18.7	188.6	10,500	25.2	210.5	11,600	30.2	225.2	10,300	34.4	235.5	9,000	244
250	13.8	169.7	9,700	21.6	197.2	10,800	27.1	214.6	9,700	31.7	226.5	8,400	250
256	3.4	128.3	8,000	16.5	177.6	10,100	23.4	200.9	9,200	28.5	215.6	7,800	256
260				13.0	164.5	9,600	21.0	191.8	8,800	26.5	208.3	7,400	260
265				4.6	131.1	8,900	17.1	177.0	8,400	23.5	197.4	6,900	265
270							12.0	157.2	7,900	20.1	184.7	6,400	270
274							4.9	129.2	7,500	16.2	169.6	6,100	274
280										10.4	147.1	5,500	280
283										4.2	122.5	5,200	283

# MLC250 S-3

ASME B30.5



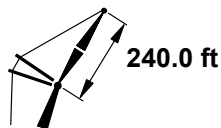
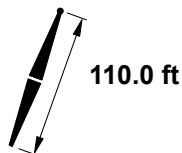
ft	88°			86°			83°			ft
	ft	lb	ft	ft	lb	ft	ft	lb	ft	
71	75.9	350.4	31,700							71
75	74.9	349.4	31,500							75
80	73.6	347.9	31,100							80
83	72.9	347.0	30,900	73.8	347.9	35,600				83
85	72.4	346.4	30,800	73.3	347.3	35,500				85
90	71.1	344.7	30,500	72.1	345.7	35,200				90
95	69.8	342.9	30,100	70.8	344.0	34,800				95
100	68.6	341.0	29,800	69.6	342.2	34,500	71.0	343.6	33,900	100
105	67.3	338.9	29,500	68.3	340.2	34,200	69.7	341.8	33,700	105
110	66.0	336.7	29,200	67.0	338.1	33,800	68.5	339.8	33,400	110
115	64.7	334.4	28,900	65.7	335.9	33,500	67.2	337.8	33,200	115
118	63.9	332.9	28,700	64.9	334.5	33,300	66.4	336.4	33,000	118
120	63.3	331.9	28,600	64.3	333.5	33,200	65.9	335.6	32,900	120
125	62.0	329.3	28,300	63.0	331.0	32,900	64.5	333.2	32,700	125
130	60.6	326.5	27,500	61.7	328.4	32,000	63.2	330.7	32,400	130
135	59.2	323.6	26,400	60.3	325.6	30,900	61.9	328.1	32,200	135
140	57.8	320.5	25,300	58.9	322.6	29,700	60.5	325.3	31,500	140
145	56.4	317.2	24,300	57.5	319.5	28,600	59.1	322.4	30,300	145
146	56.1	316.5	24,100	57.2	318.8	28,300	58.8	321.7	30,000	146
150	54.9	313.8	23,400	56.1	316.1	27,300	57.7	319.2	29,100	150
155	53.5	310.1	22,400	54.6	312.6	25,700	56.3	316.0	27,600	155
160	52.0	306.3	21,500	53.1	309.0	24,100	54.8	312.5	25,900	160
165	50.4	302.2	20,600	51.6	305.1	22,700	53.3	308.8	24,300	165
170	48.9	297.9	19,700	50.1	300.9	21,400	51.8	305.0	22,900	170
173	47.9	295.2	19,200	49.1	298.3	20,600	50.9	302.5	22,100	173
175	47.2	293.4	18,900	48.5	296.6	20,100	50.3	300.9	21,600	175
180	45.6	288.5	18,100	46.9	292.0	19,000	48.7	296.6	20,300	180
185	43.9	283.4	17,100	45.2	287.1	17,900	47.1	292.0	19,100	185
190	42.1	278.0	16,100	43.5	281.9	16,800	45.4	287.1	18,000	190
195	40.3	272.2	15,100	41.7	276.4	15,900	43.7	282.0	17,000	195
199	38.8	267.3	14,400	40.2	271.7	15,100	42.3	277.7	16,200	199
200	38.4	266.1	14,300	39.9	270.6	14,900	42.0	276.6	16,000	200
205	36.4	259.5	13,400	37.9	264.3	14,100	40.1	270.8	15,000	205
210	34.3	252.3	12,600	35.9	257.6	13,200	38.2	264.6	14,200	210
220	29.8	236.2	11,200	31.6	242.4	11,700	34.1	250.7	12,500	220
230	24.5	216.4	9,800	26.7	224.3	10,300	29.6	234.4	11,100	230
240	17.8	190.2	8,600	20.6	201.1	9,100	24.3	214.5	9,700	240
250	5.8	140.9	5,500	11.9	166.1	7,500	17.4	187.8	8,500	250
254				5.3	138.8	5,800	12.3	166.5	7,600	254
260							4.5	134.6	6,200	260
266										266
270										270
275										275
280										280
284										284

# MLC250 S-3

ASME B30.5



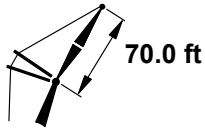
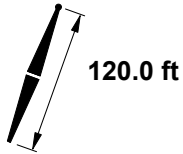
219,600 lb  
+  
80,000 lb



	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
71													71
75													75
80													80
83													83
85													85
90													90
95													95
100													100
105													105
110													110
115													115
118	67.9	337.9	35,400										118
120	67.3	337.1	35,400										120
125	66.0	334.9	35,200										125
130	64.7	332.6	35,100										130
135	63.4	330.1	34,400										135
140	62.0	327.5	33,100										140
145	60.7	324.7	31,400										145
146	60.4	324.1	31,100	62.9	327.0	28,800							146
150	59.3	321.8	29,800	61.9	324.9	27,600							150
155	57.9	318.7	28,300	60.5	322.1	26,200							155
160	56.5	315.5	27,000	59.1	319.1	24,900							160
165	55.0	312.0	25,700	57.7	316.0	23,600							165
170	53.5	308.4	24,500	56.3	312.7	22,500							170
173	52.6	306.1	23,600	55.4	310.6	21,900	58.0	313.6	20,000				173
175	52.0	304.5	23,100	54.8	309.3	21,400	57.4	312.4	19,600				175
180	50.5	300.5	21,700	53.3	305.6	20,400	56.0	309.0	18,600				180
185	48.9	296.2	20,500	51.8	301.7	19,400	54.6	305.5	17,700				185
190	47.3	291.7	19,300	50.3	297.6	18,500	53.1	301.8	16,800				190
195	45.7	286.9	18,200	48.7	293.3	17,700	51.6	297.9	16,000				195
199	44.3	282.8	17,300	47.4	289.7	17,000	50.3	294.6	15,400	53.0	297.8	13,800	199
200	44.0	281.8	17,100	47.1	288.8	16,900	50.0	293.8	15,300	52.7	297.1	13,700	200
205	42.2	276.4	16,100	45.4	283.9	16,100	48.4	289.4	14,500	51.2	293.1	13,000	205
210	40.4	270.6	15,200	43.7	278.8	15,400	46.8	284.8	13,800	49.6	288.9	12,300	210
220	36.5	257.9	13,400	40.1	267.5	14,000	43.4	274.7	12,500	46.4	279.8	11,100	220
230	32.2	243.1	11,900	36.2	254.7	12,700	39.8	263.4	11,400	43.0	269.6	9,900	230
240	27.4	225.4	10,500	31.9	239.7	11,600	35.9	250.3	10,300	39.3	258.0	8,700	240
250	21.6	203.1	9,200	27.0	221.8	10,300	31.5	235.2	9,300	35.4	244.8	7,700	250
254	18.3	190.2	8,700	24.7	212.7	9,800	29.5	227.9	8,900	33.6	238.6	7,300	254
260	13.5	170.8	8,000	21.1	199.1	9,000	26.6	216.9	8,200	31.0	229.3	6,700	260
266				16.1	179.0	8,300	22.9	202.9	7,700	27.9	218.0	6,100	266
270	3.3	128.5	6,400	12.8	165.6	7,900	20.5	193.6	7,300	25.9	210.6	5,800	270
275				4.5	131.5	7,300	16.7	178.5	6,800	23.0	199.4	5,300	275
280							11.7	158.2	6,300				280
284							4.8	129.6	5,900				284

# MLC250 S-3

ASME B30.5



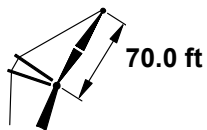
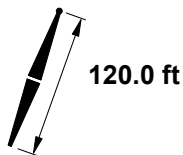
	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
32	74.0	195.0	150,700 d						32	
34	72.3	194.3	145,400 d						34	
36	70.5	193.6	140,300 d						36	
37	69.6	193.2	137,900 d	73.3	194.4	147,100 d			37	
38	68.8	192.8	135,500 d	72.4	194.1	144,600 d			38	
40	67.0	192.0	131,000 c	70.7	193.4	139,700 d			40	
45	62.4	189.5	120,700 b	66.2	191.3	128,400 b			45	
46	61.5	188.9	118,900 b	65.3	190.8	126,400 b	70.9	192.7	138,100 d	
50	57.6	186.5	111,800	61.6	188.7	118,600 b	67.4	191.1	129,400 c	
55	52.6	182.8	104,000	56.8	185.6	109,900	62.8	188.7	119,500 b	
56	51.5	182.0	102,700	55.8	184.9	108,400	61.9	188.1	117,800 b	
60	47.1	178.5	97,300	51.7	181.9	102,500	58.1	185.7	110,900 b	
65	41.1	173.1	91,400	46.2	177.4	95,900	53.0	182.2	103,300	
70	34.3	166.4	86,400	40.1	171.8	90,200	47.6	177.9	95,800	
72	30.9	162.8	84,600	37.3	169.0	88,200	45.2	175.7	92,600	
75	25.8	157.4	82,100	33.0	164.8	85,200	41.7	172.6	87,800	
80	12.7	142.2	67,400	24.2	155.2	81,000	34.9	166.0	80,900	
81	7.6	135.9	61,000	21.1	151.6	77,700	33.3	164.3	79,700	
85				8.7	137.1	64,300	26.7	157.3	74,900	
87							21.7	151.6	72,800	
90							14.3	143.1	69,600	
91							10.1	138.0	68,600	
95									95	
98									98	
100									100	
101									101	
105									105	
108									108	
110									110	
115									115	
118									118	
120									120	
125									125	
127									127	

# MLC250 S-3

ASME B30.5



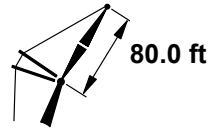
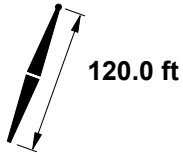
219,600 lb  
+  
80,000 lb



	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
32													32
34													34
36													36
37													37
38													38
40													40
45													45
46													46
50													50
55													55
56	67.5	190.2	123,700 c										56
60	63.9	188.3	113,200 b										60
65	59.2	185.4	102,200 b										65
70	54.3	182.0	93,100										70
72	52.1	180.4	90,000	62.2	184.8	85,600 b							72
75	49.0	177.9	85,400	59.4	183.1	81,300 b							75
80	43.2	172.9	78,700	54.4	179.7	74,900							80
81	41.9	171.7	77,500	53.4	178.9	73,800							81
85	36.6	166.7	72,900	49.1	175.6	69,400							85
87	33.5	163.5	70,900	46.8	173.6	67,500	57.4	178.4	64,000				87
90	28.8	158.6	67,800	43.4	170.7	64,600	54.4	176.3	61,400				90
91	26.7	156.2	66,900	42.1	169.4	63,700	53.3	175.5	60,500				91
95	18.1	146.5	63,200	36.9	164.5	60,300	49.1	172.2	57,300				95
98	3.5	129.0	60,500	32.2	159.7	58,000	45.6	169.2	55,100				98
100				29.1	156.5	56,400	43.3	167.2	53,700				100
101				27.0	154.1	55,700	42.0	166.0	53,000	52.9	171.1	50,200	101
105				18.6	144.6	52,900	36.8	161.1	50,400	48.6	167.7	47,800	105
108				5.8	129.4	50,900	32.1	156.2	48,600	45.1	164.6	46,100	108
110							29.0	153.0	47,400	42.8	162.6	45,000	110
115							18.4	141.0	44,700	36.2	156.3	42,400	115
118							5.0	125.0	43,000	31.5	151.3	41,000	118
120										28.3	148.0	40,100	120
125										17.2	135.5	37,900	125
127										9.5	126.3	37,000	127

# MLC250 S-3

ASME B30.5



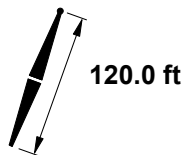
	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
32	76.0	205.4	144,600 d							32
34	74.6	204.8	139,800 d							34
36	73.1	204.2	135,200 d							36
38	71.5	203.5	130,800 d							38
39	70.8	203.1	128,700 d	73.9	204.3	136,900 d				39
40	70.0	202.8	126,600 c	73.2	203.9	134,800 d				40
45	66.1	200.7	117,000 b	69.4	202.2	124,400 b				45
50	62.1	198.1	108,500	65.5	200.0	115,200 b	70.3	201.9	125,400 c	50
55	57.9	195.1	101,100	61.4	197.4	106,900	66.5	199.8	116,200 b	55
60	53.6	191.6	94,600	57.2	194.3	99,800	62.5	197.4	108,100	60
65	48.9	187.5	88,800	52.8	190.7	93,400	58.3	194.4	100,800	65
70	43.9	182.6	83,800	48.1	186.4	87,800	53.9	190.9	94,400	70
75	38.3	176.6	79,300	43.0	181.4	82,800	49.3	186.8	87,500	75
76	37.0	175.2	78,100	41.9	180.1	81,900	48.3	185.9	86,100	76
80	32.0	169.3	73,200	37.3	175.2	78,400	44.3	182.0	80,600	80
85	24.1	159.5	68,300	30.8	167.6	74,500	38.8	176.2	74,700	85
90	11.8	143.2	59,200	22.5	157.2	70,100	32.5	169.0	69,500	90
91	7.0	136.5	54,000	19.7	153.3	67,500	31.0	167.1	68,600	91
92				16.8	149.4	64,900	29.5	165.2	67,600	92
95				8.1	137.7	57,000	24.8	159.5	64,800	95
100							13.3	144.2	60,600	100
101							9.4	138.8	59,800	101
105										105
107										107
108										108
110										110
115										115
118										118
120										120
125										125
128										128
130										130
135										135
137										137

# MLC250 S-3

ASME B30.5



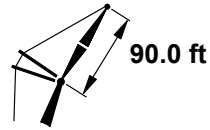
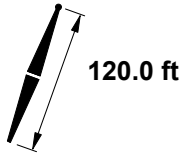
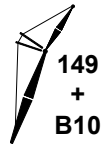
219,600 lb  
+  
80,000 lb



	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
32													32
34													34
36													36
38													38
39													39
40													40
45													45
50													50
55													55
60	67.4	199.3	112,700 b										60
65	63.4	196.9	101,700 b										65
70	59.3	194.1	92,600										70
75	55.0	190.8	84,900										75
76	54.1	190.0	83,600	62.8	194.1	79,400 b							76
80	50.4	186.8	78,300	59.5	191.8	74,400							80
85	45.6	182.2	72,500	55.2	188.4	68,900							85
90	40.2	176.6	67,500	50.6	184.5	64,100							90
91	39.0	175.2	66,600	49.6	183.6	63,200							91
92	37.8	173.9	65,700	48.7	182.7	62,400	57.7	187.1	59,100				92
95	34.1	169.8	63,000	45.7	179.9	59,800	55.1	185.0	56,700				95
100	26.9	161.0	59,000	40.4	174.4	56,000	50.5	181.1	53,100				100
101	24.9	158.4	58,200	39.2	173.0	55,400	49.6	180.2	52,500				101
105	16.8	147.9	55,300	34.4	167.6	52,600	45.7	176.5	49,900				105
107	7.8	135.4	53,900	31.5	164.1	51,400	43.5	174.3	48,700	52.9	179.1	46,000	107
108	3.2	129.2	53,200	30.0	162.4	50,800	42.4	173.2	48,100	52.0	178.2	45,500	108
110				27.2	158.9	49,500	40.3	170.9	47,000	50.2	176.6	44,400	110
115				17.3	146.1	46,700	34.3	164.2	44,300	45.2	171.9	41,900	115
118				5.4	129.7	45,000	29.9	158.9	42,800	42.0	168.5	40,500	118
120							27.0	155.4	41,900	39.9	166.3	39,600	120
125							17.1	142.5	39,600	33.7	159.3	37,500	125
128							4.6	125.3	38,200	29.3	154.0	36,300	128
130										26.4	150.4	35,500	130
135										16.0	136.8	33,700	135
137										8.9	127.0	32,900	137

# MLC250 S-3

ASME B30.5

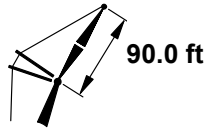
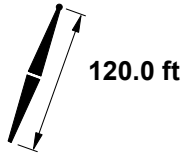
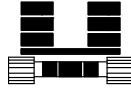


	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
35	75.7	214.9	132,600 d							35
36	75.0	214.6	130,600 d							36
38	73.7	214.0	126,500 d							38
40	72.3	213.4	122,700 c							40
42	71.0	212.7	119,100 c	73.8	213.8	126,400 d				42
45	68.9	211.6	113,700 b	71.8	212.8	120,700 b				45
50	65.5	209.4	105,800	68.4	210.9	112,100 b				50
53	63.3	207.8	101,600	66.3	209.6	107,500 b	70.6	211.5	116,500 b	53
55	61.9	206.8	98,700	64.9	208.7	104,500	69.2	210.7	113,300 b	55
60	58.2	203.8	92,400	61.3	206.0	97,600	65.8	208.5	105,600	60
63	55.8	201.7	89,100	59.0	204.2	94,000	63.6	207.0	101,500	63
65	54.3	200.4	86,900	57.6	203.0	91,500	62.2	206.0	98,700	65
70	50.2	196.4	81,900	53.7	199.5	86,000	58.5	203.1	92,500	70
75	45.9	191.8	77,400	49.5	195.4	81,100	54.6	199.7	87,000	75
80	41.2	186.4	71,000	45.2	190.6	76,700	50.6	195.7	80,400	80
81	40.2	185.1	69,800	44.2	189.5	75,900	49.7	194.8	79,200	81
85	36.0	179.9	65,200	40.4	185.1	72,800	46.3	191.2	74,500	85
90	30.0	172.0	60,400	35.1	178.4	69,400	41.6	185.8	69,300	90
95	22.6	161.5	56,900	28.9	170.2	64,700	36.5	179.5	64,700	95
97	18.0	154.5	54,600	25.8	165.7	62,900	34.1	176.4	63,100	97
100	11.1	144.1	51,300	21.2	159.1	60,200	30.6	171.7	60,600	100
101	6.5	137.0	48,000	18.5	154.9	58,100	29.1	169.6	59,900	101
105				7.6	138.3	49,800	23.4	161.5	56,900	105
110							12.5	145.3	53,500	110
111							8.8	139.5	52,200	111
113										113
115										115
118										118
120										120
125										125
128										128
130										130
135										135
138										138
140										140
145										145
147										147



# MLC250 S-3

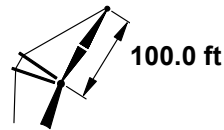
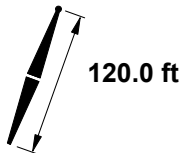
ASME B30.5



	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
35													35
36													36
38													38
40													40
42													42
45													45
50													50
53													53
55													55
60													60
63	68.0	208.9	105,500 b										63
65	66.6	208.1	101,400 b										65
70	63.1	205.6	92,300										70
75	59.4	202.8	84,600										75
80	55.6	199.5	78,000										80
81	54.8	198.7	76,900	62.5	202.7	72,900							81
85	51.6	195.7	72,300	59.5	200.4	68,600							85
90	47.3	191.3	67,200	55.7	197.1	63,800							90
95	42.8	186.1	62,800	51.7	193.4	59,500							95
97	40.8	183.7	61,200	50.0	191.6	58,000	58.0	195.8	54,900				97
100	37.8	180.1	58,800	47.5	189.0	55,800	55.7	193.8	52,800				100
101	36.6	178.6	58,100	46.6	188.0	55,100	54.9	193.0	52,100				101
105	32.1	172.7	55,200	42.9	183.9	52,400	51.7	190.0	49,500				105
110	25.3	163.2	52,000	38.0	177.8	49,300	47.4	185.6	46,700				110
111	23.4	160.4	51,400	36.8	176.4	48,800	46.5	184.6	46,100				111
113	19.6	154.8	50,200	34.6	173.4	47,700	44.7	182.5	45,100	53.0	187.1	42,500	113
115	15.8	149.3	49,000	32.3	170.5	46,500	42.9	180.5	44,000	51.3	185.5	41,500	115
118	3.0	129.3	47,200	28.2	164.9	45,000	39.9	176.8	42,600	48.8	182.8	40,200	118
120				25.5	161.1	44,000	37.9	174.4	41,600	47.1	181.0	39,300	120
125				16.2	147.5	41,600	32.2	167.1	39,400	42.5	175.8	37,200	125
128				5.0	130.1	40,200	28.1	161.4	38,200	39.5	172.1	36,000	128
130							25.4	157.6	37,400	37.4	169.7	35,300	130
135							16.1	143.8	35,400	31.7	162.2	33,500	135
138							4.3	125.6	34,300	27.6	156.4	32,500	138
140										24.8	152.6	31,800	140
145										15.1	138.1	30,200	145
147										8.3	127.7	29,600	147

# MLC250 S-3

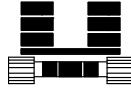
ASME B30.5



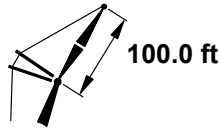
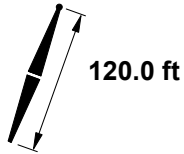
	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	ft
37	75.9	224.7	121,700 d							37
38	75.3	224.5	121,100 c							38
40	74.1	223.9	118,300 b							40
45	71.1	222.2	110,100 b	73.7	223.3	116,600 b				45
50	68.1	220.3	102,600	70.6	221.6	108,700 b				50
55	64.9	218.1	96,000	67.6	219.7	101,500				55
56	64.3	217.5	94,800	66.9	219.2	100,200	70.8	221.0	108,300 b	56
60	61.7	215.5	90,000	64.4	217.4	95,000	68.3	219.5	102,700	60
65	58.4	212.5	84,700	61.2	214.7	89,200	65.2	217.2	96,200	65
67	57.0	211.1	82,700	59.8	213.5	87,100	63.9	216.2	93,900	67
70	54.9	209.1	79,800	57.8	211.7	83,900	62.0	214.7	90,400	70
75	51.3	205.2	75,400	54.3	208.2	79,200	58.6	211.7	85,000	75
80	47.5	200.8	69,500	50.7	204.3	74,900	55.2	208.4	80,000	80
85	43.4	195.8	63,700	46.8	199.8	71,000	51.6	204.6	74,100	85
90	39.0	189.9	58,700	42.7	194.6	67,600	47.8	200.2	68,900	90
95	34.1	183.0	54,400	38.2	188.6	64,300	43.7	195.2	64,400	95
100	28.4	174.5	50,800	33.2	181.4	59,700	39.4	189.4	60,300	100
103	24.2	167.8	49,200	29.7	176.1	57,200	36.4	185.3	58,100	103
105	21.4	163.4	48,200	27.4	172.6	55,600	34.5	182.6	56,600	105
110	10.5	145.0	44,600	20.1	160.8	52,100	28.9	174.3	53,300	110
111	6.2	137.5	41,900	17.5	156.4	50,400	27.6	172.1	52,700	111
115				7.1	138.9	43,400	22.1	163.4	50,300	115
119							13.9	149.7	48,100	119
120							11.8	146.2	47,500	120
121							8.3	140.2	45,500	121
125										125
128										128
130										130
135										135
138										138
140										140
145										145
148										148
150										150
155										155
157										157

# MLC250 S-3

ASME B30.5



219,600 lb  
+  
80,000 lb



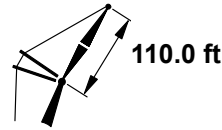
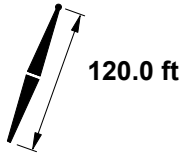
	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
37													37
38													38
40													40
45													45
50													50
55													55
56													56
60													60
65													65
67	67.8	218.1	97,000										67
70	65.9	216.8	91,800										70
75	62.7	214.3	84,100										75
80	59.5	211.4	77,500										80
85	56.0	208.2	71,800	62.9	211.9	68,000							85
90	52.5	204.5	66,800	59.6	209.1	63,200							90
95	48.7	200.3	62,300	56.2	205.9	59,000							95
100	44.7	195.4	58,400	52.6	202.2	55,200							100
103	42.2	192.1	56,300	50.4	199.6	53,200	57.5	203.8	50,200				103
105	40.4	189.9	54,800	48.9	198.0	51,900	56.1	202.5	49,000				105
110	35.7	183.3	51,600	44.9	193.2	48,800	52.5	198.8	46,100				110
111	34.6	181.7	51,100	44.0	192.1	48,300	51.8	197.9	45,600				111
115	30.4	175.4	48,700	40.6	187.6	46,100	48.8	194.6	43,500				115
119	25.2	167.3	46,600	36.8	182.4	44,100	45.6	190.7	41,600	53.0	195.1	39,100	119
120	23.9	165.3	46,100	35.9	181.1	43,600	44.8	189.8	41,100	52.3	194.3	38,700	120
121	22.1	162.4	45,600	34.8	179.5	43,100	44.0	188.6	40,700	51.5	193.4	38,200	121
125	15.0	150.5	43,600	30.6	173.2	41,300	40.5	184.2	38,900	48.5	190.0	36,600	125
128	2.8	129.5	42,100	26.7	167.3	40,000	37.7	180.3	37,700	46.1	187.1	35,500	128
130				24.2	163.3	39,100	35.8	177.7	36,900	44.5	185.1	34,700	130
135				15.4	148.8	37,100	30.5	169.8	35,100	40.2	179.5	32,900	135
138				4.7	130.4	35,900	26.6	163.8	34,000	37.3	175.5	32,000	138
140							24.1	159.8	33,300	35.4	172.9	31,300	140
145							15.2	145.1	31,700	30.0	164.9	29,800	145
148							4.0	125.9	30,600	26.1	158.7	28,900	148
150										23.5	154.6	28,400	150
155										14.2	139.3	27,000	155
157										7.8	128.3	26,400	157

# MLC250 S-3

ASME B30.5



219,600 lb  
+  
80,000 lb



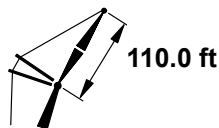
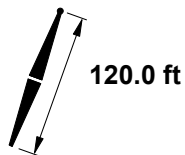
	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
40	75.6	234.3	108,800 b							40
45	72.9	232.8	106,400 b							45
48	71.3	231.8	102,300 b	73.6	232.9	108,100 b				48
50	70.2	231.1	99,500	72.5	232.2	105,300 b				50
55	67.3	229.0	93,300	69.7	230.5	98,600				55
59	65.1	227.2	88,800	67.4	228.8	93,700	70.9	230.6	101,000	59
60	64.5	226.7	87,600	66.9	228.4	92,500	70.4	230.2	99,700	60
65	61.5	224.1	82,500	64.0	226.0	87,000	67.6	228.2	93,700	65
70	58.5	221.2	77,900	61.0	223.4	82,000	64.7	225.9	88,200	70
71	57.9	220.5	77,100	60.4	222.8	81,100	64.1	225.4	87,100	71
75	55.4	217.8	73,700	58.0	220.3	77,400	61.8	223.3	83,100	75
80	52.1	214.1	68,700	54.9	216.9	73,300	58.8	220.4	78,500	80
85	48.7	209.8	63,100	51.6	213.1	69,500	55.6	217.1	74,000	85
90	45.1	205.0	58,000	48.1	208.8	66,100	52.4	213.4	68,800	90
95	41.2	199.6	53,600	44.5	203.9	63,000	49.0	209.2	64,300	95
100	37.1	193.3	49,700	40.6	198.3	59,500	45.4	204.4	60,200	100
105	32.4	185.9	46,400	36.3	191.9	55,000	41.6	199.1	56,600	105
108	29.2	180.5	44,700	33.5	187.3	52,700	39.1	195.3	54,600	108
110	27.0	176.9	43,600	31.6	184.2	51,100	37.4	192.8	53,300	110
115	20.4	165.1	41,600	26.1	174.9	47,900	32.8	185.6	50,300	115
120	10.0	145.8	39,500	19.1	162.5	45,400	27.5	176.7	47,600	120
121	5.8	137.9	37,200	16.6	157.8	44,000	26.2	174.4	47,100	121
125				6.8	139.4	38,600	21.0	165.3	45,100	125
130							11.2	147.2	42,400	130
131							7.9	140.8	40,400	131
135										135
138										138
140										140
145										145
148										148
150										150
155										155
158										158
160										160
165										165
167										167

# MLC250 S-3

ASME B30.5



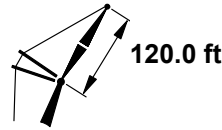
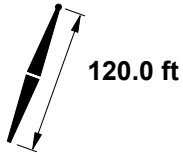
219,600 lb  
+  
80,000 lb



	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
40													40
45													45
48													48
50													50
55													55
59													59
60													60
65													65
70													70
71	67.7	227.3	90,000										71
75	65.4	225.5	84,000										75
80	62.5	222.9	77,400										80
85	59.5	220.1	71,700										85
90	56.4	216.9	66,700	62.6	220.6	63,000							90
95	53.2	213.3	62,200	59.6	217.7	58,800							95
100	49.8	209.2	58,300	56.5	214.5	55,100							100
105	46.3	204.6	54,800	53.3	210.9	51,800							105
108	44.0	201.5	52,900	51.3	208.5	49,900	57.7	212.5	47,000				108
110	42.5	199.4	51,600	50.0	206.9	48,700	56.5	211.2	45,900				110
115	38.5	193.4	48,700	46.4	202.3	46,000	53.3	207.6	43,300				115
120	34.0	186.4	46,100	42.7	197.1	43,500	49.9	203.5	41,000				120
121	33.0	184.7	45,600	41.8	195.9	43,000	49.2	202.6	40,500				121
125	28.9	178.0	43,600	38.6	191.1	41,200	46.4	198.9	38,800	53.0	203.1	36,400	125
130	22.7	167.3	41,400	34.1	184.2	39,100	42.6	193.7	36,800	49.6	199.0	34,600	130
131	21.0	164.2	41,000	33.1	182.5	38,700	41.8	192.5	36,400	48.9	198.0	34,200	131
135	14.2	151.7	39,300	29.1	175.8	37,200	38.5	187.7	35,000	46.1	194.3	32,800	135
138	2.6	129.6	38,000	25.4	169.5	36,100	35.9	183.5	34,000	43.8	191.1	31,900	138
140				23.0	165.3	35,300	34.1	180.7	33,300	42.3	189.0	31,200	140
145				14.6	150.0	33,600	29.0	172.4	31,700	38.2	183.0	29,700	145
148				4.5	130.8	32,600	25.3	166.0	30,800	35.5	178.7	28,900	148
150							22.9	161.8	30,200	33.7	175.9	28,300	150
155							14.5	146.4	28,800	28.5	167.4	27,000	155
158							3.8	126.2	27,900	24.8	160.9	26,300	158
160										22.3	156.6	25,800	160
165										13.5	140.5	24,600	165
167										7.4	128.9	24,100	167

# MLC250 S-3

ASME B30.5



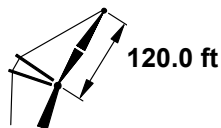
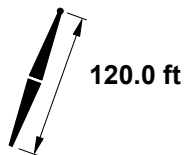
	88°			86°			83°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
42	75.9	244.1	97,900 b						42	
45	74.4	243.3	96,700 b						45	
50	71.9	241.7	94,600	74.0	242.7	101,600 b			50	
55	69.3	239.9	90,400	71.5	241.1	95,500			55	
60	66.8	237.8	85,100	68.9	239.2	89,800			60	
63	65.2	236.4	82,200	67.4	238.0	86,700	70.6	239.8	93,200	63
65	64.1	235.4	80,300	66.3	237.1	84,600	69.6	239.0	91,000	65
70	61.4	232.8	75,900	63.7	234.7	79,800	67.0	236.9	85,800	70
75	58.6	229.8	71,900	61.0	232.0	75,500	64.3	234.6	81,000	75
80	55.8	226.5	67,400	58.2	229.0	71,500	61.6	232.0	76,700	80
85	52.8	222.9	61,900	55.3	225.7	67,900	58.9	229.1	72,600	85
90	49.7	218.8	57,200	52.3	221.9	64,500	56.0	225.8	68,400	90
94	47.1	215.1	53,700	49.8	218.6	62,000	53.7	222.9	64,800	94
95	46.5	214.2	52,900	49.2	217.7	61,400	53.1	222.2	63,800	95
100	43.1	209.0	49,000	45.9	213.1	58,600	50.0	218.1	59,800	100
105	39.4	203.2	45,600	42.5	207.8	54,600	46.8	213.6	56,200	105
110	35.4	196.5	42,600	38.8	201.9	50,700	43.4	208.5	52,900	110
113	32.7	191.8	41,000	36.3	197.7	48,600	41.2	205.0	51,100	113
115	31.0	188.7	39,900	34.7	195.0	47,100	39.7	202.7	49,900	115
120	25.8	179.2	37,800	30.2	186.9	44,100	35.8	196.1	47,200	120
125	19.5	166.8	36,300	24.9	177.1	41,500	31.4	188.4	44,800	125
130	9.5	146.6	34,800	18.2	164.0	39,600	26.3	179.0	42,500	130
131	5.5	138.3	32,700	15.9	159.2	38,500	25.1	176.6	42,100	131
135				6.5	139.9	34,000	20.1	167.0	40,400	135
140							10.7	148.1	37,300	140
141							7.5	141.4	35,600	141
145										145
148										148
150										150
155										155
158										158
160										160
165										165
168										168
170										170
175										175
177										177

# MLC250 S-3

ASME B30.5



219,600 lb  
+  
80,000 lb



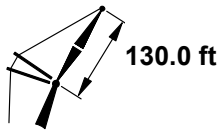
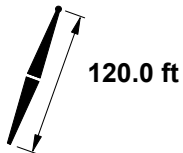
	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
42													42
45													45
50													50
55													55
60													60
63													63
65													65
70													70
75	67.6	236.4	83,400										75
80	65.0	234.2	76,900										80
85	62.3	231.6	71,100										85
90	59.5	228.8	66,200										90
94	57.3	226.2	62,600	62.9	229.8	59,100							94
95	56.7	225.6	61,700	62.4	229.2	58,300							95
100	53.8	222.0	57,800	59.6	226.4	54,600							100
105	50.7	218.1	54,300	56.8	223.2	51,200							105
110	47.6	213.6	51,100	53.9	219.7	48,200							110
113	45.5	210.7	49,400	52.1	217.3	46,600	57.9	221.2	43,800				113
115	44.2	208.7	48,300	50.9	215.8	45,500	56.8	219.8	42,700				115
120	40.6	203.1	45,600	47.7	211.4	43,000	53.8	216.3	40,400				120
125	36.7	196.7	43,200	44.3	206.4	40,700	50.8	212.4	38,200				125
130	32.5	189.3	41,000	40.7	200.8	38,600	47.6	207.9	36,300				130
131	31.5	187.5	40,600	40.0	199.6	38,300	46.9	207.0	35,900	53.0	211.1	33,600	131
135	27.6	180.4	39,000	36.9	194.5	36,700	44.3	203.0	34,400	50.6	207.8	32,200	135
140	21.7	169.2	37,100	32.6	187.1	34,900	40.7	197.4	32,800	47.4	203.4	30,600	140
141	20.1	165.9	36,700	31.7	185.3	34,600	39.9	196.1	32,400	46.7	202.4	30,300	141
145	13.6	152.9	35,300	27.8	178.3	33,300	36.8	191.1	31,200	44.0	198.4	29,200	145
148	2.4	129.8	34,200	24.3	171.6	32,300	34.3	186.6	30,300	41.8	195.0	28,300	148
150				22.0	167.2	31,700	32.6	183.7	29,700	40.4	192.8	27,800	150
155				14.0	151.2	30,200	27.7	174.8	28,400	36.5	186.3	26,500	155
158				4.2	131.1	29,300	24.2	168.1	27,600	33.9	181.8	25,800	158
160							21.9	163.7	27,100	32.2	178.8	25,300	160
165							13.8	147.6	25,800	27.3	169.8	24,100	165
168							3.6	126.4	25,000	23.7	163.0	23,500	168
170										21.3	158.4	23,000	170
175										12.9	141.6	22,000	175
177										7.1	129.5	21,500	177

# MLC250 S-3

ASME B30.5



219,600 lb  
+  
80,000 lb

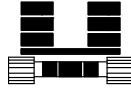


	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
45	75.6	253.6	88,200 b							45
50	73.3	252.2	86,500							50
53	71.9	251.2	85,900	73.9	252.3	94,800				53
55	71.0	250.5	85,600	72.9	251.6	92,600				55
60	68.6	248.6	82,900	70.6	249.9	87,400				60
65	66.2	246.5	78,300	68.2	248.0	82,500				65
66	65.8	246.0	77,500	67.8	247.6	81,600	70.7	249.3	87,500	66
70	63.8	244.1	74,100	65.8	245.8	78,000	68.8	247.8	83,700	70
75	61.3	241.4	70,300	63.4	243.4	73,900	66.4	245.7	79,200	75
78	59.8	239.7	67,600	61.9	241.8	71,600	65.0	244.2	76,700	78
80	58.7	238.5	65,800	60.9	240.7	70,000	64.0	243.3	75,100	80
85	56.1	235.2	61,000	58.3	237.7	66,600	61.5	240.7	71,200	85
90	53.4	231.6	56,300	55.7	234.4	63,300	59.0	237.7	67,600	90
95	50.6	227.6	52,200	52.9	230.7	60,300	56.3	234.5	63,500	95
99	48.2	224.1	49,200	50.7	227.4	58,100	54.2	231.6	60,300	99
100	47.6	223.2	48,500	50.1	226.6	57,600	53.6	230.9	59,500	100
105	44.5	218.3	45,100	47.1	222.1	54,400	50.8	227.0	55,900	105
110	41.3	212.8	42,000	44.0	217.1	50,500	47.9	222.6	52,600	110
115	37.8	206.6	39,300	40.7	211.5	46,900	44.8	217.7	49,600	115
119	34.7	201.0	37,400	37.9	206.5	44,400	42.2	213.4	47,500	119
120	34.0	199.6	37,000	37.2	205.2	43,700	41.6	212.3	47,000	120
125	29.7	191.3	34,900	33.3	198.0	41,000	38.1	206.2	44,500	125
130	24.8	181.4	33,200	29.0	189.5	38,500	34.3	199.2	42,200	130
135	18.7	168.5	31,900	23.9	179.2	36,500	30.1	191.1	40,100	135
137	14.9	160.0	31,500	21.3	173.7	35,900	28.1	187.1	39,400	137
140	9.1	147.4	30,800	17.5	165.6	34,900	25.2	181.3	38,200	140
141	5.3	138.8	29,000	15.2	160.5	34,000	24.0	178.8	37,800	141
145				6.2	140.4	30,100	19.3	168.7	36,200	145
150							10.3	149.0	33,100	150
151							7.2	142.0	31,600	151
155										155
158										158
160										160
165										165
168										168
170										170
175										175
178										178
180										180
185										185
187										187

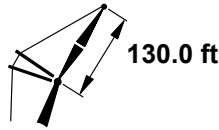
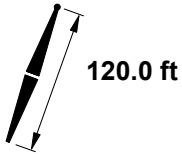


# MLC250 S-3

ASME B30.5



219,600 lb  
+  
80,000 lb



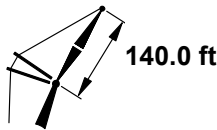
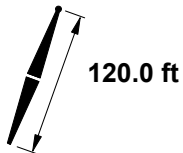
	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
45													45
50													50
53													53
55													55
60													60
65													65
66													66
70													70
75													75
78	68.0	246.0	79,000										78
80	67.0	245.2	76,500										80
85	64.6	242.8	70,800										85
90	62.1	240.3	65,800										90
95	59.6	237.4	61,400										95
99	57.5	234.9	58,200	62.7	238.4	54,900							99
100	57.0	234.3	57,500	62.2	237.9	54,200							100
105	54.3	230.8	54,000	59.7	235.1	50,800							105
110	51.5	226.9	50,800	57.1	231.9	47,800							110
115	48.6	222.6	47,900	54.4	228.4	45,100							115
119	46.2	218.8	45,800	52.2	225.4	43,100	57.6	229.2	40,400				119
120	45.6	217.9	45,300	51.6	224.6	42,600	57.0	228.5	40,000				120
125	42.4	212.6	42,900	48.7	220.3	40,400	54.3	225.0	37,800				125
130	38.9	206.6	40,700	45.7	215.6	38,300	51.6	221.2	35,900				130
135	35.2	199.9	38,700	42.5	210.3	36,400	48.7	216.9	34,100				135
137	33.6	196.8	38,000	41.1	208.0	35,700	47.4	215.0	33,400	53.0	219.1	31,200	137
140	31.1	192.1	36,900	39.1	204.4	34,600	45.6	212.2	32,400	51.3	216.7	30,200	140
141	30.2	190.2	36,500	38.3	203.1	34,300	45.0	211.1	32,100	50.7	215.8	29,900	141
145	26.5	182.8	35,100	35.4	197.7	33,000	42.4	206.9	30,800	48.4	212.4	28,800	145
150	20.9	171.0	33,500	31.3	189.9	31,400	39.0	201.0	29,400	45.4	207.6	27,400	150
151	19.3	167.6	33,200	30.4	188.1	31,100	38.3	199.6	29,100	44.7	206.5	27,100	151
155	13.0	154.0	31,900	26.7	180.7	30,000	35.3	194.2	28,000	42.2	202.3	26,100	155
158	2.3	129.9	30,600	23.3	173.7	29,200	32.9	189.6	27,300	40.1	198.7	25,400	158
160				21.1	169.1	28,600	31.2	186.5	26,800	38.7	196.3	24,900	160
165				13.4	152.4	27,300	26.6	177.2	25,600	35.0	189.5	23,800	165
168				4.0	131.4	26,500	23.2	170.2	24,900	32.5	184.7	23,100	168
170							21.0	165.5	24,400	30.9	181.6	22,700	170
175							13.2	148.7	23,300	26.2	172.2	21,700	175
178							3.4	126.7	22,600	22.8	165.0	21,100	178
180										20.5	160.2	20,800	180
185										12.4	142.6	19,800	185
187										6.8	130.0	19,400	187

# MLC250 S-3

ASME B30.5



219,600 lb  
+  
80,000 lb



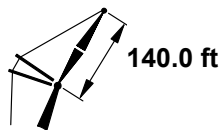
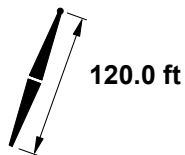
	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
47	75.8	263.4	79,700							47
50	74.5	262.6	78,900							50
55	72.4	261.1	77,500							55
56	72.0	260.7	77,400	73.8	261.8	88,200				56
60	70.2	259.3	76,700	72.1	260.5	84,400				60
65	68.0	257.4	74,700	69.9	258.7	79,900				65
69	66.2	255.6	72,500	68.1	257.1	76,500	70.9	258.8	81,800	69
70	65.8	255.2	71,900	67.7	256.7	75,700	70.4	258.5	80,900	70
75	63.5	252.8	68,300	65.4	254.5	71,800	68.2	256.5	76,800	75
80	61.2	250.1	64,100	63.2	252.1	68,100	66.0	254.4	73,000	80
82	60.3	248.9	62,400	62.2	251.0	66,800	65.1	253.4	71,500	82
85	58.8	247.2	59,900	60.8	249.3	64,800	63.7	252.0	69,300	85
90	56.4	243.9	55,700	58.4	246.3	61,700	61.4	249.3	65,900	90
95	53.9	240.4	51,800	56.0	243.1	58,800	59.0	246.4	62,700	95
100	51.3	236.5	48,100	53.5	239.5	56,200	56.6	243.2	59,000	100
103	49.7	233.9	46,200	51.9	237.1	54,700	55.1	241.1	56,900	103
105	48.6	232.2	44,800	50.9	235.5	53,700	54.1	239.7	55,400	105
110	45.8	227.5	41,800	48.1	231.1	50,700	51.5	235.8	52,200	110
115	42.8	222.2	39,100	45.3	226.3	47,000	48.8	231.5	49,200	115
120	39.7	216.4	36,700	42.3	221.0	43,900	46.0	226.9	46,500	120
124	37.0	211.2	34,900	39.8	216.3	41,600	43.7	222.7	44,600	124
125	36.3	209.9	34,500	39.2	215.1	41,100	43.1	221.7	44,100	125
130	32.7	202.5	32,500	35.7	208.5	38,400	40.0	215.9	41,800	130
135	28.6	193.9	30,900	32.0	200.9	36,200	36.6	209.5	39,700	135
140	23.9	183.5	29,500	27.9	192.0	34,200	33.0	202.1	37,800	140
143	20.3	175.4	28,900	24.9	185.5	33,200	30.6	197.0	36,600	143
145	18.0	170.0	28,500	23.0	181.2	32,500	28.9	193.6	35,800	145
150	8.8	148.1	27,200	16.8	167.0	31,300	24.3	183.4	33,900	150
151	5.1	139.2	25,600	14.6	161.8	30,300	23.1	180.8	33,500	151
155				5.9	140.9	26,700	18.5	170.3	32,100	155
160							9.9	149.8	29,400	160
161							6.9	142.5	28,000	161
165										165
168										168
170										170
175										175
178										178
180										180
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188										188
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195										195
197										197

# MLC250 S-3

ASME B30.5



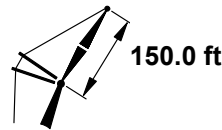
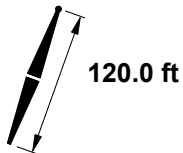
219,600 lb  
+  
80,000 lb



	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
47													47
50													50
55													55
56													56
60													60
65													65
69													69
70													70
75													75
80													80
82	67.9	255.2	73,600										82
85	66.5	253.9	70,300										85
90	64.3	251.5	65,300										90
95	62.0	248.9	60,900										95
100	59.6	246.1	57,000										100
103	58.2	244.2	54,900	63.0	247.6	51,500							103
105	57.2	242.9	53,500	62.1	246.6	50,300							105
110	54.7	239.5	50,300	59.7	243.7	47,300							110
115	52.1	235.7	47,500	57.3	240.6	44,600							115
120	49.5	231.6	44,900	54.8	237.2	42,100							120
124	47.3	227.9	43,000	52.7	234.1	40,300	57.7	237.9	37,700				124
125	46.7	227.0	42,500	52.2	233.4	39,800	57.2	237.2	37,300				125
130	43.8	221.9	40,300	49.6	229.3	37,800	54.8	233.8	35,300				130
135	40.7	216.3	38,300	46.8	224.7	35,900	52.2	230.0	33,500				135
140	37.4	210.1	36,400	43.9	219.7	34,100	49.5	225.9	31,800				140
143	35.3	205.8	35,400	42.1	216.3	33,100	47.9	223.1	30,900	53.0	227.1	28,700	143
145	33.9	202.9	34,700	40.8	214.1	32,500	46.8	221.3	30,300	52.0	225.5	28,200	145
150	30.0	194.8	33,100	37.6	207.8	31,000	43.9	216.3	28,900	49.3	221.3	26,800	150
151	29.1	192.8	32,800	36.9	206.4	30,700	43.2	215.1	28,600	48.8	220.4	26,600	151
155	25.5	185.0	31,600	34.0	200.8	29,500	40.8	210.7	27,500	46.5	216.7	25,500	155
160	20.1	172.8	30,100	30.1	192.6	28,200	37.5	204.4	26,300	43.6	211.6	24,400	160
161	18.6	169.2	29,900	29.2	190.7	27,900	36.8	203.0	26,000	43.0	210.5	24,100	161
165	12.5	155.1	28,800	25.6	182.9	26,900	34.0	197.3	25,100	40.5	206.0	23,200	165
168	2.2	130.1	27,200	22.4	175.7	26,200	31.6	192.4	24,400	38.6	202.2	22,600	168
170				20.3	170.8	25,700	30.0	189.1	24,000	37.2	199.7	22,200	170
175				12.9	153.5	24,600	25.6	179.4	22,900	33.7	192.5	21,200	175
178				3.9	131.7	23,900	22.3	172.1	22,300	31.3	187.5	20,600	178
180							20.2	167.3	21,900	29.7	184.2	20,300	180
185							12.7	149.8	20,900	25.2	174.4	19,400	185
188							3.3	126.9	20,300	21.9	166.9	18,900	188
190										19.7	162.0	18,500	190
195										11.9	143.7	17,700	195
197										6.5	130.6	17,300	197

# MLC250 S-3

ASME B30.5



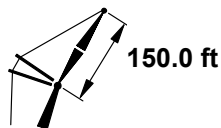
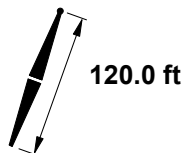
	88°			86°			83°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
49	76.0	273.3	72,800						49	
50	75.6	273.0	72,100						50	
55	73.6	271.6	71,000						55	
59	72.0	270.3	70,100	73.7	271.3	82,400			59	
60	71.6	270.0	69,800	73.3	271.0	81,500			60	
65	69.6	268.2	68,700	71.3	269.4	77,400			65	
70	67.5	266.1	67,500	69.2	267.5	73,600			70	
72	66.7	265.2	66,900	68.4	266.7	72,100	71.0	268.4	72	
75	65.4	263.9	66,000	67.2	265.5	69,900	69.7	267.3	75	
80	63.3	261.5	62,000	65.1	263.2	66,500	67.7	265.3	80	
85	61.1	258.8	58,000	62.9	260.7	63,300	65.6	263.1	85	
86	60.7	258.2	57,300	62.5	260.2	62,700	65.2	262.6	86	
90	58.9	255.8	54,400	60.8	258.0	60,300	63.5	260.7	90	
95	56.6	252.6	50,800	58.5	255.0	57,500	61.3	258.0	95	
100	54.3	249.1	47,500	56.3	251.8	55,000	59.1	255.1	100	
105	51.9	245.3	44,200	53.9	248.2	52,600	56.8	251.9	105	
108	50.4	242.8	42,500	52.5	245.9	51,200	55.4	249.8	108	
110	49.4	241.1	41,400	51.5	244.3	50,200	54.5	248.4	110	
115	46.8	236.6	38,700	49.0	240.1	46,900	52.1	244.6	115	
120	44.1	231.6	36,300	46.4	235.5	43,700	49.6	240.5	120	
125	41.3	226.0	34,100	43.7	230.4	41,000	47.1	235.9	125	
129	38.9	221.1	32,500	41.4	225.9	38,900	44.9	232.0	129	
130	38.3	219.9	32,100	40.8	224.8	38,400	44.4	231.0	130	
135	35.0	213.1	30,400	37.8	218.6	36,000	41.5	225.5	135	
140	31.5	205.3	28,800	34.5	211.6	33,900	38.5	219.5	140	
145	27.6	196.3	27,400	30.9	203.6	32,000	35.3	212.7	145	
149	23.9	187.7	26,600	27.7	196.2	30,800	32.5	206.5	149	
150	23.0	185.5	26,400	26.9	194.4	30,400	31.8	205.0	150	
155	17.4	171.5	25,600	22.2	183.2	29,000	27.9	196.1	155	
160	8.4	148.8	24,300	16.2	168.4	28,000	23.4	185.5	160	
161	4.9	139.5	22,900	14.1	163.0	27,200	22.3	182.8	161	
165				5.7	141.4	23,800	17.9	171.9	165	
170							9.5	150.6	170	
171							6.6	143.1	171	
175									175	
178									178	
180									180	
185									185	
188									188	
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198									198	
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207									207	

# MLC250 S-3

ASME B30.5



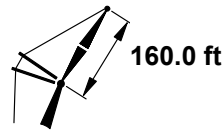
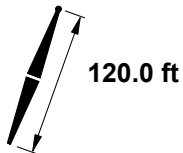
219,600 lb  
+  
80,000 lb



	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
49													49
50													50
55													55
59													59
60													60
65													65
70													70
72													72
75													75
80													80
85													85
86	67.8	264.3	69,000										86
90	66.1	262.6	65,100										90
95	64.0	260.2	60,700										95
100	61.8	257.6	56,800										100
105	59.6	254.7	53,300										105
108	58.3	252.9	51,400	62.8	256.3	48,200							108
110	57.4	251.6	50,100	61.9	255.2	47,100							110
115	55.1	248.2	47,300	59.7	252.4	44,400							115
120	52.7	244.5	44,700	57.5	249.3	41,900							120
125	50.2	240.4	42,300	55.2	245.9	39,700							125
129	48.2	236.9	40,600	53.3	242.9	38,000	57.9	246.5	35,500				129
130	47.7	236.0	40,100	52.8	242.2	37,600	57.4	245.9	35,100				130
135	45.0	231.2	38,100	50.3	238.1	35,700	55.1	242.5	33,300				135
140	42.2	225.8	36,300	47.8	233.7	34,000	52.7	238.8	31,700				140
145	39.3	219.9	34,600	45.1	228.9	32,300	50.3	234.7	30,100				145
149	36.7	214.6	33,300	42.9	224.6	31,100	48.2	231.2	29,000	53.0	235.1	26,900	149
150	36.1	213.3	33,000	42.3	223.6	30,800	47.7	230.3	28,700	52.5	234.3	26,600	150
155	32.7	205.9	31,500	39.4	217.7	29,400	45.1	225.5	27,400	50.1	230.2	25,400	155
160	28.9	197.3	30,100	36.2	211.1	28,100	42.3	220.1	26,100	47.5	225.8	24,200	160
161	28.0	195.3	29,800	35.5	209.6	27,800	41.7	219.0	25,900	47.0	224.8	24,000	161
165	24.6	187.2	28,700	32.8	203.7	26,800	39.3	214.3	24,900	44.9	220.9	23,100	165
170	19.4	174.5	27,500	29.0	195.2	25,600	36.2	207.7	23,800	42.1	215.5	22,000	170
171	17.9	170.8	27,200	28.2	193.2	25,400	35.5	206.2	23,600	41.5	214.3	21,800	171
175	12.1	156.1	26,300	24.7	185.1	24,500	32.8	200.3	22,800	39.1	209.6	21,100	175
178	2.1	130.2	24,400	21.6	177.6	23,900	30.5	195.1	22,200	37.2	205.6	20,500	178
180				19.6	172.5	23,500	29.0	191.7	21,800	35.9	202.9	20,100	180
185				12.4	154.5	22,500	24.7	181.6	20,900	32.5	195.4	19,200	185
188				3.7	131.9	21,800	21.6	174.0	20,300	30.2	190.2	18,700	188
190							19.5	169.0	20,000	28.7	186.8	18,400	190
195							12.3	150.8	19,100	24.3	176.5	17,600	195
198							3.2	127.2	18,500	21.1	168.8	17,200	198
200										19.0	163.6	16,800	200
205										11.5	144.6	16,100	205
207										6.3	131.1	15,800	207

# MLC250 S-3

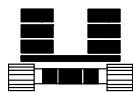
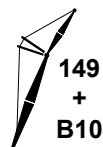
ASME B30.5



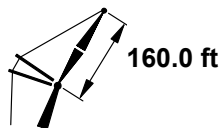
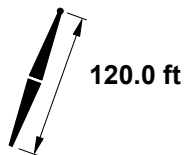
	88°			86°			83°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
52	75.8	282.8	65,900						52	
55	74.7	282.0	65,400						55	
60	72.8	280.5	64,000						60	
61	72.4	280.2	63,800	74.0	281.2	75,600			61	
65	70.9	278.8	63,000	72.5	279.9	74,800			65	
70	69.0	276.9	62,500	70.6	278.2	71,200			70	
75	67.1	274.9	61,100	68.7	276.3	67,800			75	
76	66.7	274.4	60,800	68.3	275.9	67,200	70.7	277.6	71,500	
80	65.1	272.6	59,500	66.7	274.2	64,600	69.2	276.1	68,900	
85	63.1	270.1	56,000	64.8	271.9	61,600	67.2	274.0	65,700	
90	61.1	267.4	52,700	62.8	269.4	58,700	65.3	271.8	62,700	
95	59.0	264.5	49,500	60.7	266.7	56,100	63.3	269.3	59,800	
100	56.9	261.3	46,500	58.6	263.7	53,600	61.2	266.6	57,100	
105	54.7	257.8	43,600	56.5	260.4	51,300	59.2	263.7	54,600	
110	52.4	254.1	40,900	54.3	256.9	49,100	57.0	260.6	51,600	
112	51.5	252.4	39,800	53.4	255.4	48,000	56.2	259.2	50,400	
115	50.1	250.0	38,200	52.1	253.1	46,300	54.9	257.1	48,600	
120	47.7	245.6	35,900	49.7	249.0	43,500	52.6	253.4	45,900	
125	45.3	240.8	33,800	47.3	244.5	40,800	50.3	249.3	43,500	
130	42.7	235.5	31,800	44.8	239.6	38,200	47.9	244.9	41,300	
134	40.5	230.8	30,400	42.7	235.3	36,300	46.0	241.1	39,600	
135	39.9	229.7	30,100	42.2	234.3	35,900	45.5	240.2	39,200	
140	37.0	223.3	28,400	39.4	228.4	33,800	42.9	234.9	37,300	
145	33.9	216.1	27,000	36.5	221.9	31,900	40.1	229.2	35,200	
150	30.5	208.0	25,700	33.3	214.6	30,100	37.3	222.8	33,200	
155	26.7	198.7	24,600	29.9	206.3	28,600	34.2	215.8	31,400	
160	22.3	187.5	23,600	26.0	196.7	27,300	30.8	207.8	29,700	
165	16.8	173.0	23,100	21.5	185.1	26,200	27.0	198.5	28,200	
170	8.2	149.5	21,400	15.7	169.8	25,100	22.7	187.5	26,700	
171	4.7	139.9	20,100	13.7	164.2	24,300	21.6	184.7	26,500	
175				5.5	141.8	21,000	17.3	173.4	25,400	
180							9.2	151.4	23,200	
181							6.4	143.6	22,200	
185									185	
188									188	
190									190	
195									195	
198									198	
200									200	
205									205	
208									208	
210									210	
215									215	
217									217	

# MLC250 S-3

ASME B30.5



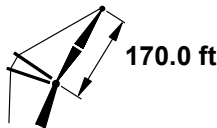
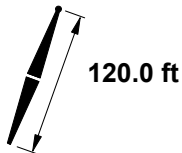
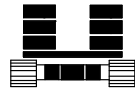
219,600 lb  
+  
80,000 lb



	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
52													52
55													55
60													60
61													61
65													65
70													70
75													75
76													76
80													80
85													85
90	67.7	273.5	64,600										90
95	65.7	271.3	60,200										95
100	63.7	268.9	56,300										100
105	61.7	266.3	52,800										105
110	59.7	263.4	49,700										110
112	58.8	262.2	48,500	63.0	265.5	45,400							112
115	57.6	260.3	46,800	61.8	263.9	43,800							115
120	55.4	256.9	44,200	59.7	261.0	41,400							120
125	53.2	253.3	41,900	57.6	258.0	39,100							125
130	50.9	249.3	39,700	55.5	254.6	37,100							130
134	49.0	245.8	38,100	53.7	251.7	35,600	58.0	255.2	33,100				134
135	48.5	245.0	37,700	53.3	250.9	35,200	57.6	254.6	32,800				135
140	46.1	240.3	35,800	51.0	247.0	33,400	55.4	251.2	31,100				140
145	43.5	235.2	34,100	48.6	242.7	31,800	53.2	247.6	29,600				145
150	40.8	229.6	32,500	46.2	238.0	30,300	50.9	243.6	28,100				150
155	38.0	223.4	31,000	43.6	232.9	28,900	48.6	239.3	26,800	53.0	243.1	24,800	155
160	34.9	216.5	29,600	40.9	227.3	27,600	46.1	234.6	25,600	50.7	239.1	23,600	160
165	31.6	208.7	28,300	38.1	221.1	26,400	43.6	229.5	24,400	48.4	234.7	22,500	165
170	28.0	199.8	27,100	35.0	214.3	25,200	40.9	223.9	23,300	45.9	230.0	21,500	170
171	27.1	197.7	26,900	34.4	212.7	25,000	40.3	222.7	23,100	45.4	229.0	21,300	171
175	23.8	189.3	25,900	31.7	206.6	24,100	38.0	217.7	22,300	43.3	224.9	20,500	175
180	18.7	176.1	24,800	28.1	197.7	23,100	35.0	210.8	21,300	40.6	219.2	19,600	180
181	17.3	172.3	24,600	27.3	195.6	22,900	34.3	209.3	21,100	40.1	218.0	19,400	181
185	11.7	157.1	23,800	23.9	187.2	22,100	31.7	203.1	20,400	37.8	213.0	18,700	185
188	2.0	130.3	21,500	20.9	179.4	21,500	29.5	197.8	19,900	35.9	208.8	18,200	188
190				18.9	174.2	21,100	28.0	194.2	19,500	34.7	206.1	17,900	190
195				12.0	155.5	20,200	23.9	183.7	18,700	31.4	198.2	17,100	195
198				3.6	132.2	19,600	20.8	175.9	18,200	29.2	192.8	16,700	198
200							18.8	170.6	17,900	27.7	189.3	16,400	200
205							11.9	151.8	17,100	23.5	178.6	15,700	205
208							3.0	127.4	16,600	20.4	170.6	15,200	208
210										18.4	165.2	15,000	210
215										11.1	145.6	14,300	215
217										6.0	131.6	14,000	217

# MLC250 S-3

ASME B30.5



	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
54	75.9	292.6	60,000							54
55	75.6	292.4	59,800							55
60	73.8	291.0	59,000							60
64	72.4	289.7	58,100	73.9	290.7	68,300				64
65	72.1	289.4	57,900	73.6	290.4	68,200				65
70	70.3	287.6	57,400	71.8	288.8	67,900				70
75	68.5	285.7	56,300	70.0	287.0	65,800				75
79	67.0	284.0	55,600	68.5	285.5	63,500	70.8	287.1	65,800	79
80	66.7	283.6	55,500	68.2	285.1	62,900	70.4	286.8	65,800	80
85	64.8	281.3	53,900	66.4	282.9	60,000	68.6	284.9	64,000	85
90	62.9	278.8	51,000	64.5	280.6	57,400	66.8	282.8	61,100	90
93	61.8	277.2	49,200	63.4	279.1	55,800	65.7	281.4	59,500	93
95	61.0	276.1	48,100	62.6	278.1	54,800	65.0	280.5	58,400	95
100	59.0	273.1	45,400	60.7	275.3	52,500	63.1	278.0	55,900	100
105	57.0	270.0	42,700	58.7	272.3	50,300	61.2	275.3	53,500	105
110	55.0	266.6	40,200	56.7	269.1	48,100	59.2	272.4	51,200	110
115	52.9	262.9	37,800	54.7	265.7	45,500	57.2	269.2	48,300	115
117	52.0	261.3	36,900	53.8	264.2	44,500	56.4	267.9	47,200	117
120	50.8	258.9	35,500	52.6	261.9	42,900	55.2	265.8	45,600	120
125	48.5	254.5	33,400	50.4	257.9	40,500	53.1	262.2	43,100	125
130	46.2	249.9	31,600	48.2	253.5	38,100	50.9	258.2	40,900	130
135	43.8	244.8	29,800	45.8	248.8	35,800	48.7	253.9	38,800	135
140	41.3	239.3	28,200	43.4	243.6	33,700	46.4	249.3	36,900	140
145	38.7	233.2	26,700	40.9	238.0	31,900	44.0	244.2	34,800	145
150	35.8	226.5	25,300	38.2	231.9	30,100	41.5	238.7	32,800	150
155	32.8	219.1	24,200	35.4	225.1	28,500	38.9	232.7	31,000	155
160	29.5	210.7	23,100	32.3	217.5	27,100	36.1	226.1	29,300	160
161	28.8	208.7	22,900	31.6	215.8	26,800	35.5	224.6	29,000	161
165	25.8	201.0	22,100	29.0	208.9	25,800	33.1	218.7	27,800	165
170	21.6	189.3	21,400	25.2	198.9	24,600	29.8	210.4	26,300	170
175	16.3	174.4	20,900	20.8	186.9	23,400	26.2	200.8	25,000	175
180	7.9	150.1	18,900	15.2	171.1	22,300	22.0	189.4	23,700	180
181	4.6	140.3	17,700	13.2	165.3	21,500	20.9	186.5	23,500	181
185				5.3	142.2	18,500	16.8	174.8	22,500	185
190							8.9	152.1	20,600	190
191							6.2	144.1	19,600	191
195										195
198										198
200										200
205										205
208										208
210										210
218										218
220										220
227										227

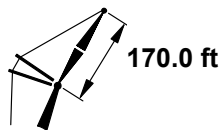
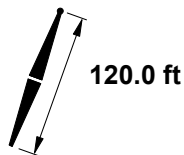


# MLC250 S-3

ASME B30.5



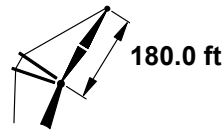
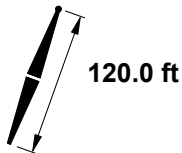
219,600 lb  
+  
80,000 lb



	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
54													54
55													55
60													60
64													64
65													65
70													70
75													75
79													79
80													80
85													85
90													90
93	68.0	283.1	61,500										93
95	67.2	282.2	59,800										95
100	65.4	280.0	55,900										100
105	63.5	277.6	52,400										105
110	61.6	274.9	49,300										110
115	59.7	272.1	46,400										115
117	58.9	270.8	45,400	62.8	274.2	42,400							117
120	57.7	269.0	43,800	61.7	272.6	41,000							120
125	55.7	265.6	41,500	59.8	269.7	38,700							125
130	53.6	262.0	39,300	57.8	266.6	36,700							130
135	51.5	258.1	37,300	55.7	263.3	34,800							135
140	49.3	253.9	35,500	53.7	259.7	33,100	57.7	263.2	30,700				140
145	47.0	249.4	33,800	51.5	255.8	31,400	55.7	259.9	29,200				145
150	44.6	244.4	32,200	49.3	251.6	29,900	53.6	256.3	27,700				150
155	42.1	239.0	30,700	47.1	247.1	28,500	51.5	252.4	26,400				155
160	39.5	233.2	29,300	44.7	242.2	27,200	49.3	248.2	25,200				160
161	39.0	231.9	29,000	44.2	241.1	27,000	48.8	247.3	24,900	53.0	251.1	23,000	161
165	36.8	226.7	28,000	42.2	236.8	26,000	47.0	243.7	24,000	51.3	247.9	22,100	165
170	33.8	219.5	26,800	39.6	230.9	24,800	44.7	238.7	22,900	49.1	243.7	21,100	170
175	30.6	211.5	25,600	36.9	224.5	23,700	42.2	233.4	21,900	46.8	239.1	20,100	175
180	27.1	202.2	24,500	33.9	217.3	22,700	39.6	227.5	20,900	44.5	234.1	19,200	180
181	26.3	200.0	24,300	33.3	215.7	22,500	39.0	226.2	20,800	44.0	233.1	19,000	181
185	23.0	191.3	23,500	30.7	209.3	21,800	36.8	221.1	20,000	42.0	228.7	18,300	185
190	18.2	177.7	22,500	27.2	200.1	20,800	33.9	213.9	19,200	39.4	222.8	17,500	190
191	16.8	173.8	22,300	26.4	197.9	20,700	33.3	212.3	19,000	38.8	221.5	17,400	191
195	11.3	158.1	21,500	23.2	189.3	19,900	30.7	205.8	18,300	36.6	216.3	16,700	195
198	1.9	130.4	19,100	20.3	181.2	19,400	28.6	200.3	17,900	34.8	212.0	16,300	198
200				18.3	175.8	19,100	27.2	196.6	17,500	33.6	209.1	16,000	200
205				11.6	156.5	18,300	23.1	185.8	16,800	30.4	201.0	15,300	205
208				3.5	132.5	17,700	20.2	177.6	16,400	28.3	195.4	14,900	208
210							18.3	172.2	16,100	26.9	191.6	14,600	210
218							2.9	127.6	14,900	19.6	171.7	13,600	218
220										17.8	166.8	13,400	220
227										5.9	132.0	12,500	227

# MLC250 S-3

ASME B30.5



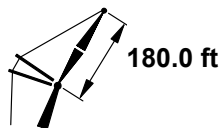
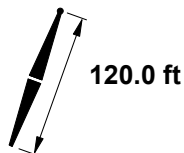
	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
57	75.8	302.2	54,100							57
60	74.8	301.4	53,800							60
65	73.1	299.9	53,100							65
67	72.4	299.2	52,800	73.8	300.3	59,000				67
70	71.4	298.2	52,400	72.8	299.3	59,000				70
75	69.7	296.4	51,700	71.2	297.7	59,000				75
80	68.0	294.5	50,700	69.5	295.8	59,000				80
82	67.3	293.6	50,500	68.8	295.0	58,600	70.9	296.7	58,900	82
85	66.3	292.3	50,100	67.7	293.8	58,100	69.9	295.6	58,800	85
90	64.5	290.0	49,300	66.0	291.7	55,500	68.2	293.6	58,800	90
95	62.8	287.5	46,700	64.2	289.3	53,200	66.4	291.5	56,500	95
97	62.0	286.4	45,700	63.5	288.3	52,300	65.7	290.6	55,600	97
100	60.9	284.7	44,300	62.5	286.7	50,900	64.7	289.2	54,200	100
105	59.1	281.8	41,900	60.6	284.0	48,800	62.9	286.7	51,900	105
110	57.2	278.7	39,600	58.8	281.0	46,800	61.1	284.0	49,700	110
115	55.3	275.3	37,400	56.9	277.8	44,900	59.3	281.1	47,700	115
120	53.3	271.6	35,400	55.0	274.4	42,500	57.4	277.9	45,100	120
121	52.9	270.8	35,000	54.6	273.6	42,000	57.0	277.2	44,600	121
125	51.3	267.7	33,400	53.0	270.7	40,200	55.5	274.5	42,700	125
130	49.2	263.5	31,500	51.0	266.7	38,000	53.5	270.9	40,500	130
135	47.1	258.9	29,800	48.9	262.5	35,900	51.5	267.0	38,400	135
140	44.8	254.0	28,200	46.7	257.9	34,000	49.4	262.8	36,500	140
145	42.5	248.7	26,700	44.5	252.9	32,000	47.3	258.3	34,600	145
150	40.1	242.9	25,300	42.1	247.5	30,300	45.0	253.4	32,600	150
155	37.5	236.6	24,100	39.7	241.6	28,600	42.7	248.2	30,800	155
160	34.8	229.7	23,000	37.1	235.2	27,100	40.3	242.4	29,100	160
165	31.9	222.0	21,900	34.3	228.2	25,700	37.7	236.2	27,500	165
168	29.9	216.7	21,400	32.5	223.4	24,900	36.1	232.0	26,600	168
170	28.7	213.2	21,000	31.4	220.3	24,300	35.0	229.3	26,000	170
175	25.1	203.2	20,200	28.1	211.4	23,100	32.1	221.6	24,700	175
180	21.0	191.2	19,600	24.5	201.1	21,900	28.9	213.0	23,400	180
185	15.8	175.8	19,200	20.2	188.7	20,800	25.4	203.1	22,200	185
190	7.7	150.8	16,600	14.8	172.4	19,700	21.3	191.3	21,000	190
191	4.4	140.6	15,500	12.9	166.4	19,000	20.3	188.3	20,800	191
195				5.2	142.7	16,300	16.3	176.2	20,000	195
200							8.7	152.8	18,200	200
201							6.0	144.6	17,300	201
205										205
208										208
210										210
218										218
220										220
228										228
230										230
237										237

# MLC250 S-3

ASME B30.5



219,600 lb  
+  
80,000 lb



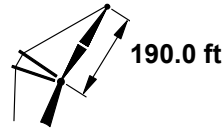
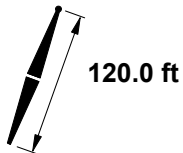
	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
57													57
60													60
65													65
67													67
70													70
75													75
80													80
82													82
85													85
90													90
95													95
97	67.9	292.3	57,700										97
100	66.9	291.0	55,400										100
105	65.1	288.7	51,900										105
110	63.3	286.2	48,800										110
115	61.5	283.6	45,900										115
120	59.7	280.7	43,400										120
121	59.3	280.1	42,900	63.0	283.4	40,000							121
125	57.8	277.6	41,000	61.6	281.2	38,200							125
130	55.9	274.3	38,800	59.8	278.4	36,200							130
135	54.0	270.8	36,800	57.9	275.3	34,300							135
140	52.0	266.9	35,000	56.0	272.0	32,500							140
145	49.9	262.8	33,300	54.0	268.4	30,900	57.9	271.9	28,600				145
150	47.8	258.4	31,700	52.0	264.6	29,400	56.0	268.6	27,200				150
155	45.6	253.6	30,200	50.0	260.5	28,000	54.0	265.0	25,900				155
160	43.3	248.4	28,900	47.8	256.1	26,700	52.0	261.2	24,600				160
165	40.9	242.8	27,600	45.6	251.3	25,500	49.9	257.1	23,500				165
168	39.4	239.1	26,800	44.3	248.2	24,800	48.7	254.4	22,800	52.6	258.3	20,900	168
170	38.4	236.7	26,300	43.4	246.1	24,400	47.8	252.7	22,400	51.8	256.7	20,500	170
175	35.7	229.9	25,200	41.0	240.5	23,300	45.6	247.9	21,400	49.8	252.6	19,500	175
180	32.8	222.5	24,100	38.5	234.4	22,300	43.3	242.7	20,400	47.6	248.1	18,600	180
185	29.7	214.1	23,100	35.8	227.7	21,300	40.9	237.1	19,500	45.4	243.3	17,800	185
190	26.3	204.6	22,100	32.9	220.3	20,400	38.4	231.0	18,700	43.1	238.1	17,000	190
191	25.5	202.3	21,900	32.3	218.6	20,200	37.9	229.7	18,500	42.7	237.0	16,800	191
195	22.4	193.3	21,200	29.9	212.0	19,500	35.8	224.3	17,800	40.7	232.5	16,200	195
200	17.6	179.2	20,200	26.4	202.5	18,700	32.9	216.9	17,100	38.2	226.3	15,500	200
201	16.3	175.2	20,000	25.6	200.2	18,500	32.3	215.2	16,900	37.7	224.9	15,300	201
205	11.0	159.0	19,100	22.5	191.3	17,900	29.8	208.5	16,300	35.5	219.5	14,800	205
208	1.9	130.6	16,800	19.7	182.9	17,400	27.7	202.8	15,900	33.8	215.0	14,400	208
210				17.8	177.3	17,100	26.4	199.0	15,600	32.7	212.0	14,100	210
218				3.4	132.7	15,900	19.5	178.8	14,500	27.4	197.6	13,100	218
220							17.7	173.8	14,300	26.1	194.0	12,900	220
228							2.8	127.8	13,200	19.0	173.4	12,000	228
230										17.3	168.3	11,700	230
237										5.7	132.5	10,900	237

# MLC250 S-3

ASME B30.5



219,600 lb  
+  
80,000 lb



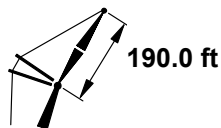
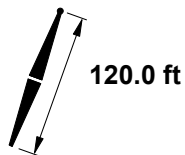
ft	88°			86°			83°			ft
	ft	lb	ft	ft	lb	ft	ft	lb		
59	75.9	312.0	49,000							59
60	75.6	311.7	48,900							60
65	74.0	310.3	48,700							65
70	72.4	308.8	48,100	73.8	309.8	55,400				70
75	70.9	307.1	47,500	72.2	308.2	55,100				75
80	69.2	305.2	46,900	70.6	306.5	54,700				80
85	67.6	303.2	46,100	69.0	304.6	54,400	71.0	306.2	53,000	85
90	66.0	301.0	45,700	67.3	302.6	53,900	69.4	304.4	52,900	90
95	64.3	298.7	44,900	65.7	300.4	51,700	67.8	302.4	52,800	95
100	62.6	296.1	42,800	64.0	298.0	49,600	66.1	300.2	52,600	100
101	62.3	295.6	42,300	63.7	297.5	49,200	65.8	299.7	52,200	101
105	60.9	293.4	40,600	62.3	295.4	47,600	64.4	297.9	50,600	105
110	59.1	290.5	38,500	60.6	292.6	45,700	62.8	295.3	48,500	110
115	57.4	287.3	36,500	58.9	289.7	43,600	61.0	292.6	46,600	115
120	55.5	284.0	34,600	57.1	286.5	41,500	59.3	289.7	44,700	120
125	53.7	280.4	32,900	55.2	283.1	39,400	57.5	286.6	42,500	125
126	53.3	279.6	32,500	54.9	282.4	39,000	57.1	285.9	42,000	126
130	51.8	276.5	31,100	53.4	279.5	37,300	55.7	283.2	40,200	130
135	49.8	272.4	29,400	51.5	275.6	35,400	53.8	279.7	38,200	135
140	47.8	267.9	27,800	49.5	271.4	33,600	51.9	275.8	36,300	140
145	45.7	263.2	26,400	47.5	266.9	31,900	50.0	271.7	34,400	145
150	43.6	258.0	25,100	45.4	262.1	30,100	48.0	267.3	32,400	150
155	41.3	252.5	23,900	43.2	256.9	28,400	45.9	262.6	30,500	155
160	39.0	246.5	22,700	40.9	251.2	26,900	43.8	257.5	28,800	160
165	36.5	239.9	21,700	38.6	245.2	25,400	41.5	252.0	27,200	165
170	33.8	232.7	20,700	36.1	238.5	24,100	39.2	246.0	25,800	170
174	31.5	226.3	20,000	33.9	232.6	23,100	37.2	240.8	24,700	174
175	31.0	224.7	19,800	33.4	231.2	22,800	36.7	239.5	24,400	175
180	27.9	215.7	19,100	30.5	223.0	21,600	34.1	232.3	23,100	180
185	24.4	205.3	18,400	27.3	213.8	20,500	31.2	224.4	21,900	185
190	20.4	193.0	17,900	23.8	203.2	19,500	28.2	215.5	20,800	190
195	15.4	177.1	17,500	19.6	190.4	18,500	24.7	205.3	19,700	195
200	7.5	151.4	14,600	14.4	173.6	17,500	20.7	193.1	18,700	200
201	4.3	141.0	13,600	12.5	167.5	16,900	19.8	190.0	18,500	201
205				5.0	143.1	14,300	15.8	177.6	17,700	205
210							8.4	153.6	16,100	210
211							5.9	145.1	15,300	211
215										215
218										218
220										220
228										228
230										230
238										238
240										240
247										247

# MLC250 S-3

ASME B30.5



219,600 lb  
+  
80,000 lb



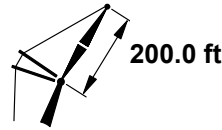
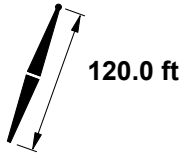
	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
59													59
60													60
65													65
70													70
75													75
80													80
85													85
90													90
95													95
100													100
101	67.8	301.4	54,400										101
105	66.5	299.7	51,700										105
110	64.8	297.4	48,600										110
115	63.2	294.9	45,700										115
120	61.5	292.2	43,100										120
125	59.7	289.4	40,800										125
126	59.4	288.8	40,300	62.9	292.0	37,600							126
130	57.9	286.3	38,600	61.5	289.9	35,900							130
135	56.1	283.0	36,600	59.8	287.0	34,100							135
140	54.3	279.5	34,800	58.0	284.0	32,300							140
145	52.4	275.7	33,100	56.2	280.7	30,700							145
150	50.5	271.7	31,500	54.4	277.2	29,200	58.0	280.6	27,000				150
155	48.5	267.3	30,000	52.5	273.4	27,800	56.2	277.3	25,600				155
160	46.4	262.7	28,600	50.5	269.4	26,500	54.3	273.8	24,400				160
165	44.3	257.7	27,400	48.5	265.0	25,300	52.4	270.0	23,300				165
170	42.1	252.3	26,100	46.5	260.4	24,100	50.5	266.0	22,200				170
174	40.2	247.6	25,200	44.8	256.4	23,300	48.9	262.5	21,400	52.7	266.3	19,500	174
175	39.7	246.4	25,000	44.4	255.4	23,100	48.5	261.6	21,200	52.3	265.5	19,300	175
180	37.3	240.1	23,900	42.1	250.0	22,000	46.5	257.0	20,200	50.3	261.4	18,400	180
185	34.7	233.1	22,900	39.8	244.2	21,100	44.3	252.0	19,300	48.4	257.1	17,600	185
190	31.9	225.3	21,900	37.4	237.8	20,200	42.1	246.6	18,400	46.3	252.4	16,800	190
195	28.9	216.7	21,000	34.8	230.9	19,300	39.8	240.8	17,600	44.1	247.4	16,000	195
200	25.6	206.8	19,900	32.0	223.2	18,500	37.3	234.4	16,900	41.9	242.0	15,300	200
201	24.8	204.5	19,700	31.4	221.4	18,300	36.8	233.0	16,700	41.5	240.8	15,100	201
205	21.8	195.2	18,900	29.0	214.6	17,700	34.8	227.4	16,100	39.6	236.1	14,600	205
210	17.1	180.7	17,900	25.7	204.7	17,000	32.0	219.7	15,400	37.1	229.7	13,900	210
211	15.8	176.6	17,800	24.9	202.4	16,800	31.4	218.0	15,300	36.6	228.3	13,800	211
215	10.7	159.9	17,000	21.9	193.2	16,300	29.0	211.1	14,800	34.5	222.6	13,300	215
218	1.8	130.7	14,900	19.2	184.6	15,800	27.0	205.2	14,400	32.9	218.0	12,900	218
220				17.3	178.9	15,600	25.6	201.2	14,100	31.8	214.9	12,700	220
228				3.3	133.0	14,400	18.9	180.5	13,100	26.6	199.9	11,800	228
230							17.2	175.3	12,900	25.4	196.2	11,600	230
238							2.8	128.0	11,900	18.5	175.0	10,700	238
240										16.8	169.7	10,500	240
247										5.5	132.9	9,800	247

# MLC250 S-3

ASME B30.5



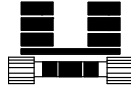
219,600 lb  
+  
80,000 lb



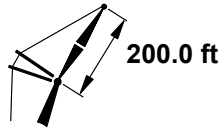
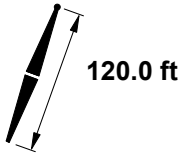
	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
61	76.0	321.8	44,500							61
65	74.8	320.7	44,200							65
70	73.3	319.3	43,800							70
72	72.7	318.6	43,700	74.0	319.6	50,100				72
75	71.8	317.7	43,600	73.1	318.7	49,900				75
80	70.3	315.9	43,000	71.6	317.1	49,600				80
85	68.8	314.0	42,300	70.1	315.3	49,200				85
89	67.5	312.4	41,900	68.8	313.8	49,000	70.8	315.4	47,800	89
90	67.2	312.0	41,800	68.5	313.4	48,900	70.5	315.1	47,700	90
95	65.7	309.7	41,300	67.0	311.3	48,600	68.9	313.2	47,600	95
100	64.1	307.4	40,800	65.4	309.1	47,800	67.4	311.1	47,400	100
105	62.5	304.8	39,100	63.8	306.7	45,900	65.8	308.9	47,200	105
110	60.8	302.1	37,300	62.2	304.1	44,000	64.2	306.6	47,000	110
115	59.2	299.1	35,500	60.6	301.3	42,200	62.6	304.0	45,300	115
120	57.5	296.0	33,700	58.9	298.3	40,200	61.0	301.3	43,400	120
125	55.8	292.7	32,100	57.2	295.2	38,400	59.3	298.4	41,800	125
130	54.0	289.1	30,500	55.5	291.8	36,500	57.6	295.3	39,800	130
131	53.7	288.3	30,200	55.1	291.1	36,200	57.3	294.6	39,400	131
135	52.2	285.3	28,900	53.7	288.2	34,800	55.9	291.9	37,800	135
140	50.4	281.2	27,500	51.9	284.4	33,000	54.2	288.4	35,900	140
145	48.5	276.9	26,100	50.1	280.3	31,400	52.4	284.6	33,900	145
150	46.5	272.3	24,800	48.2	275.9	29,600	50.5	280.6	31,900	150
155	44.5	267.3	23,600	46.2	271.2	27,900	48.6	276.3	30,000	155
156	44.1	266.2	23,400	45.8	270.2	27,600	48.2	275.3	29,700	156
160	42.4	261.9	22,500	44.2	266.1	26,400	46.7	271.7	28,300	160
165	40.2	256.2	21,400	42.1	260.7	24,900	44.7	266.7	26,700	165
170	37.9	249.9	20,500	39.8	254.9	23,600	42.6	261.4	25,300	170
175	35.5	243.1	19,600	37.5	248.6	22,300	40.4	255.7	23,900	175
180	32.9	235.7	18,800	35.1	241.7	21,100	38.1	249.5	22,600	180
185	30.2	227.4	18,100	32.5	234.1	20,000	35.7	242.7	21,400	185
190	27.1	218.1	17,400	29.7	225.7	19,000	33.2	235.3	20,300	190
195	23.8	207.4	16,800	26.6	216.2	18,000	30.4	227.1	19,200	195
200	19.8	194.7	16,300	23.2	205.2	17,000	27.4	217.9	18,200	200
210	7.3	152.0	12,600	14.0	174.8	15,300	20.2	194.9	16,300	210
211	4.2	141.3	11,700	12.2	168.5	14,700	19.2	191.7	16,200	211
215				4.9	143.5	12,300	15.4	179.0	15,500	215
220							8.2	154.2	14,000	220
221							5.7	145.6	13,200	221
228										228
230										230
238										238
240										240
248										248
250										250
257										257

# MLC250 S-3

ASME B30.5



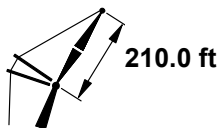
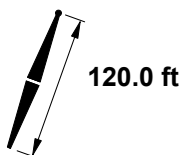
219,600 lb  
+  
80,000 lb



	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
61													61
65													65
70													70
72													72
75													75
80													80
85													85
89													89
90													90
95													95
100													100
105	67.7	310.6	50,100										105
110	66.2	308.4	48,100										110
115	64.6	306.1	45,200										115
120	63.0	303.6	42,700										120
125	61.4	300.9	40,300										125
130	59.7	298.0	38,100										130
131	59.4	297.4	37,700	62.7	300.7	35,000							131
135	58.1	295.0	36,200	61.4	298.6	33,500							135
140	56.3	291.7	34,300	59.8	295.7	31,800							140
145	54.6	288.2	32,600	58.1	292.6	30,200							145
150	52.8	284.5	31,000	56.4	289.4	28,700							150
155	51.0	280.5	29,600	54.7	285.9	27,300							155
156	50.6	279.7	29,300	54.3	285.1	27,000	57.7	288.6	24,800				156
160	49.1	276.3	28,200	52.9	282.2	26,000	56.4	286.0	23,900				160
165	47.2	271.7	26,900	51.0	278.2	24,800	54.6	282.5	22,700				165
170	45.2	266.9	25,700	49.2	274.0	23,700	52.8	278.8	21,700				170
175	43.1	261.7	24,600	47.2	269.4	22,600	51.0	274.8	20,600				175
180	40.9	256.0	23,500	45.2	264.6	21,600	49.1	270.6	19,700	52.7	274.3	17,900	180
185	38.7	249.9	22,500	43.2	259.4	20,600	47.2	266.0	18,800	50.9	270.3	17,000	185
190	36.3	243.3	21,500	41.0	253.8	19,700	45.2	261.2	17,900	49.0	266.0	16,200	190
195	33.8	236.1	20,500	38.8	247.7	18,900	43.1	256.0	17,100	47.0	261.5	15,500	195
200	31.1	228.1	19,400	36.4	241.1	18,000	41.0	250.4	16,400	45.0	256.6	14,700	200
210	24.9	209.0	17,400	31.2	226.0	16,500	36.4	237.7	14,900	40.8	245.7	13,400	210
211	24.2	206.6	17,300	30.6	224.2	16,400	35.8	236.2	14,800	40.3	244.5	13,300	211
215	21.2	197.1	16,500	28.3	217.1	15,800	33.8	230.5	14,300	38.5	239.6	12,800	215
220	16.7	182.2	15,700	25.0	207.0	15,100	31.1	222.5	13,600	36.2	232.9	12,200	220
221	14.8	175.7	15,300	24.2	204.3	15,000	30.5	220.6	13,500	35.6	231.4	12,100	221
228	1.8	130.8	12,900	18.5	185.6	14,100	26.2	207.3	12,700	32.0	220.7	11,300	228
230				16.9	180.3	13,900	25.0	203.5	12,500	30.9	217.6	11,100	230
238				3.2	133.2	12,800	18.4	182.1	11,600	25.9	202.2	10,200	238
240							16.8	176.7	11,300	24.7	198.4	10,000	240
248							2.7	128.2	10,400	18.0	176.6	9,300	248
250										16.4	171.2	9,100	250
257										5.4	133.4	8,400	257

# MLC250 S-3

ASME B30.5

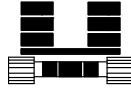


ft	88°			86°			83°			ft
	ft	lb	ft	ft	lb	ft	ft	lb	ft	
64	75.9	331.4	40,300							64
65	75.6	331.1	40,300							65
70	74.2	329.7	39,900							70
75	72.7	328.2	39,500	73.9	329.2	45,400				75
80	71.3	326.5	39,200	72.5	327.6	45,000				80
85	69.9	324.7	38,800	71.1	325.9	44,700				85
90	68.4	322.8	38,500	69.6	324.1	44,300				90
92	67.8	322.0	38,300	69.0	323.3	44,200	70.8	325.0	43,100	92
95	66.9	320.7	38,000	68.1	322.2	44,000	70.0	323.9	43,000	95
100	65.4	318.5	37,500	66.7	320.0	43,700	68.5	321.9	42,800	100
105	63.9	316.0	37,100	65.2	317.8	43,300	67.0	319.9	42,600	105
108	63.0	314.5	36,400	64.2	316.3	42,500	66.1	318.5	42,400	108
110	62.4	313.5	35,900	63.6	315.3	42,000	65.5	317.6	42,400	110
115	60.8	310.7	34,300	62.1	312.7	40,400	64.0	315.2	42,100	115
120	59.2	307.8	32,700	60.6	310.0	38,700	62.5	312.7	41,900	120
125	57.6	304.7	31,200	59.0	307.0	37,200	60.9	309.9	40,800	125
130	56.0	301.4	29,800	57.4	303.9	35,500	59.4	307.0	39,300	130
135	54.3	297.8	28,400	55.7	300.5	33,900	57.8	303.9	37,400	135
140	52.6	294.1	27,100	54.0	296.9	32,400	56.1	300.6	35,500	140
145	50.9	290.1	25,700	52.3	293.2	30,800	54.5	297.1	33,400	145
150	49.1	285.8	24,500	50.6	289.1	29,100	52.8	293.4	31,400	150
155	47.2	281.3	23,300	48.8	284.8	27,500	51.0	289.4	29,600	155
160	45.3	276.5	22,200	46.9	280.2	25,900	49.2	285.2	27,900	160
161	44.9	275.4	22,000	46.5	279.3	25,600	48.9	284.3	27,600	161
165	43.4	271.3	21,200	45.0	275.3	24,500	47.4	280.7	26,300	165
170	41.3	265.7	20,200	43.0	270.1	23,100	45.5	275.9	24,800	170
175	39.2	259.7	19,400	41.0	264.5	21,900	43.5	270.7	23,500	175
180	37.0	253.3	18,600	38.8	258.4	20,700	41.5	265.2	22,200	180
185	34.6	246.3	17,800	36.6	251.9	19,600	39.4	259.3	21,000	185
186	34.1	244.7	17,600	36.1	250.4	19,400	38.9	258.0	20,700	186
190	32.1	238.6	17,100	34.2	244.7	18,500	37.2	252.8	19,800	190
200	26.5	220.5	15,900	29.0	228.3	16,600	32.3	238.2	17,800	200
210	19.4	196.4	14,200	22.6	207.2	14,900	26.7	220.3	15,900	210
220	7.1	152.6	10,700	13.6	176.0	13,200	19.7	196.6	14,200	220
221	4.1	141.6	9,900	11.9	169.6	12,700	18.8	193.3	14,100	221
225				4.8	143.9	10,500	15.0	180.3	13,500	225
230							8.0	154.9	12,100	230
231							5.5	146.0	11,400	231
238										238
240										240
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267										267

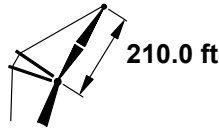
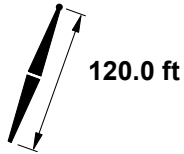


# MLC250 S-3

ASME B30.5



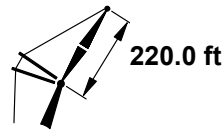
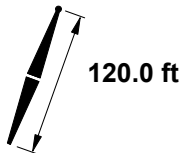
219,600 lb  
+  
80,000 lb



	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
64													64
65													65
70													70
75													75
80													80
85													85
90													90
92													92
95													95
100													100
105													105
108	68.0	320.2	45,100										108
110	67.4	319.3	45,100										110
115	65.9	317.1	44,800										115
120	64.4	314.8	42,300										120
125	62.9	312.3	39,900										125
130	61.3	309.6	37,800										130
135	59.7	306.7	35,800	62.9	309.9	33,100							135
140	58.1	303.7	33,900	61.4	307.2	31,400							140
145	56.5	300.4	32,200	59.8	304.4	29,800							145
150	54.9	296.9	30,700	58.2	301.3	28,300							150
155	53.2	293.3	29,200	56.6	298.1	26,900							155
160	51.4	289.3	27,800	54.9	294.6	25,600							160
161	51.1	288.5	27,600	54.6	293.9	25,400	57.9	297.3	23,200				161
165	49.7	285.2	26,500	53.2	290.9	24,400	56.6	294.7	22,300				165
170	47.8	280.7	25,300	51.5	287.0	23,300	54.9	291.2	21,200				170
175	46.0	276.0	24,200	49.7	282.9	22,200	53.2	287.5	20,200				175
180	44.0	270.9	23,100	47.9	278.4	21,200	51.5	283.6	19,300				180
185	42.0	265.5	22,100	46.0	273.7	20,200	49.7	279.5	18,400				185
186	41.6	264.3	21,900	45.6	272.7	20,100	49.3	278.6	18,200	52.7	282.3	16,400	186
190	39.9	259.7	21,200	44.1	268.7	19,300	47.9	275.0	17,500	51.3	279.1	15,800	190
200	35.4	246.5	19,000	40.0	257.4	17,700	44.1	265.3	16,000	47.7	270.5	14,300	200
210	30.3	230.8	17,000	35.5	244.3	16,200	39.9	254.0	14,600	43.9	260.6	13,000	210
220	24.3	211.2	15,200	30.4	228.7	14,800	35.4	240.9	13,300	39.8	249.3	11,800	220
221	23.6	208.7	15,100	29.8	226.9	14,700	35.0	239.4	13,200	39.3	248.1	11,700	221
225	20.7	198.9	14,400	27.6	219.5	14,200	33.0	233.4	12,700	37.6	243.0	11,200	225
230	16.3	183.6	13,600	24.4	209.1	13,500	30.4	225.2	12,100	35.3	236.1	10,700	230
231	14.5	177.0	13,300	23.6	206.4	13,400	29.8	223.3	12,000	34.7	234.5	10,600	231
238	1.7	130.9	11,100	18.0	187.2	12,600	25.6	209.5	11,200	31.2	223.5	9,900	238
240				16.5	181.7	12,400	24.4	205.6	11,000	30.2	220.3	9,700	240
248				3.1	133.5	11,400	18.0	183.6	10,200	25.3	204.5	8,900	248
250							16.4	178.2	10,000	24.1	200.5	8,700	250
258							2.6	128.4	9,200	17.6	178.1	7,800	258
260										16.0	172.5	7,600	260
267										5.2	133.8	6,900	267

# MLC250 S-3

ASME B30.5



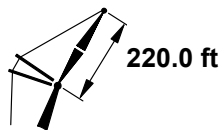
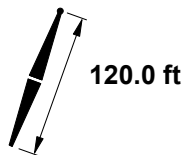
	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
66	76.0	341.2	36,700							66
70	74.9	340.1	36,400							70
75	73.5	338.7	36,000							75
78	72.7	337.7	35,800	73.9	338.7	41,100				78
80	72.2	337.1	35,600	73.3	338.1	40,900				80
85	70.8	335.4	35,300	72.0	336.5	40,600				85
90	69.4	333.5	34,900	70.6	334.8	40,200				90
95	68.0	331.6	34,600	69.2	332.9	39,900	70.9	334.5	38,900	95
100	66.6	329.4	34,200	67.8	330.9	39,500	69.5	332.7	38,700	100
105	65.2	327.2	33,900	66.4	328.8	39,200	68.1	330.7	38,400	105
110	63.7	324.7	33,600	64.9	326.5	38,800	66.7	328.6	38,200	110
112	63.1	323.7	33,400	64.4	325.5	38,700	66.1	327.7	38,100	112
115	62.3	322.1	33,000	63.5	324.0	38,500	65.3	326.3	38,000	115
120	60.8	319.4	31,600	62.0	321.4	37,100	63.8	323.9	37,700	120
125	59.3	316.5	30,300	60.5	318.6	35,700	62.4	321.3	37,400	125
130	57.7	313.4	28,900	59.0	315.7	34,300	60.9	318.6	37,200	130
135	56.2	310.1	27,600	57.5	312.5	32,900	59.4	315.7	36,700	135
140	54.6	306.6	26,500	55.9	309.2	31,500	57.9	312.6	35,000	140
145	53.0	302.9	25,300	54.3	305.7	30,200	56.3	309.3	32,900	145
150	51.3	298.9	24,100	52.7	301.9	28,600	54.7	305.9	30,900	150
155	49.6	294.7	23,000	51.0	298.0	27,000	53.1	302.2	29,100	155
160	47.9	290.3	22,000	49.3	293.7	25,400	51.4	298.2	27,400	160
165	46.1	285.6	20,900	47.6	289.2	24,000	49.8	294.1	25,800	165
166	45.7	284.6	20,800	47.2	288.3	23,700	49.4	293.2	25,500	166
170	44.2	280.5	20,000	45.8	284.5	22,600	48.0	289.7	24,300	170
175	42.3	275.2	19,100	43.9	279.4	21,300	46.2	285.0	22,900	175
180	40.3	269.4	18,300	42.0	274.0	20,200	44.4	280.0	21,700	180
185	38.3	263.2	17,600	40.0	268.1	19,000	42.5	274.6	20,400	185
190	36.1	256.6	16,900	37.9	261.9	18,000	40.5	268.9	19,300	190
192	35.1	253.5	16,600	37.0	259.0	17,600	39.6	266.3	18,900	192
200	31.3	241.4	15,300	33.4	247.8	16,100	36.3	256.1	17,200	200
210	25.8	222.8	13,700	28.3	230.8	14,400	31.6	241.1	15,400	210
220	18.9	198.1	12,100	22.1	209.2	12,800	26.1	222.6	13,700	220
230	6.9	153.2	9,000	13.3	177.1	11,200	19.2	198.3	12,200	230
231	4.0	141.9	8,200	11.6	170.6	10,700	18.3	194.9	12,100	231
235				4.6	144.2	8,800	14.7	181.5	11,500	235
240							7.8	155.6	10,200	240
241							5.4	146.5	9,600	241
248										248
250										250
258										258
260										260
268										268
270										270
277										277

# MLC250 S-3

ASME B30.5



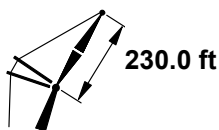
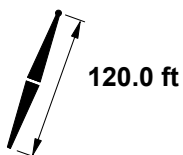
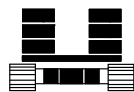
219,600 lb  
+  
80,000 lb



	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
66													66
70													70
75													75
78													78
80													80
85													85
90													90
95													95
100													100
105													105
110													110
112	67.9	329.3	40,500										112
115	67.1	328.1	40,500										115
120	65.6	325.8	40,300										120
125	64.2	323.5	39,400										125
130	62.7	320.9	37,300										130
135	61.3	318.2	35,300										135
140	59.8	315.4	33,500	62.8	318.6	30,900							140
145	58.2	312.3	31,800	61.3	315.9	29,300							145
150	56.7	309.1	30,200	59.8	313.0	27,800							150
155	55.1	305.7	28,700	58.3	310.0	26,400							155
160	53.5	302.0	27,400	56.7	306.7	25,100							160
165	51.8	298.2	26,100	55.2	303.3	23,900							165
166	51.5	297.3	25,800	54.8	302.6	23,700	58.0	306.0	21,600				166
170	50.2	294.1	24,900	53.5	299.7	22,800	56.7	303.4	20,700				170
175	48.4	289.7	23,700	51.9	295.8	21,700	55.1	299.9	19,700				175
180	46.7	285.1	22,700	50.2	291.8	20,700	53.5	296.3	18,800				180
185	44.8	280.1	21,700	48.5	287.4	19,700	51.9	292.4	17,900				185
190	42.9	274.9	20,700	46.7	282.8	18,800	50.2	288.4	17,000				190
192	42.1	272.5	20,300	46.0	280.7	18,500	49.5	286.6	16,700	52.7	290.3	14,900	192
200	38.9	263.2	18,500	43.0	272.6	17,200	46.7	279.4	15,500	50.1	283.8	13,800	200
210	34.5	249.7	16,500	39.0	261.0	15,700	43.0	269.2	14,100	46.6	274.8	12,500	210
220	29.6	233.5	14,700	34.6	247.5	14,300	39.0	257.6	12,800	42.8	264.6	11,300	220
230	23.7	213.3	13,100	29.7	231.3	13,100	34.6	244.0	11,600	38.8	252.9	10,100	230
231	23.0	210.7	13,000	29.1	229.5	13,000	34.1	242.5	11,500	38.4	251.6	10,000	231
235	20.2	200.6	12,400	26.9	221.9	12,500	32.2	236.3	11,100	36.7	246.3	9,500	235
240	15.9	185.0	11,700	23.8	211.2	11,900	29.6	227.9	10,500	34.4	239.2	9,000	240
241	14.1	178.2	11,400	23.1	208.4	11,800	29.1	225.9	10,400	33.9	237.6	8,900	241
248	1.7	131.0	9,300	17.6	188.8	11,100	25.0	211.7	9,700	30.4	226.2	8,200	248
250				16.1	183.1	10,900	23.8	207.7	9,500	29.4	223.0	7,900	250
258				3.0	133.7	10,000	17.5	185.2	8,800	24.7	206.7	7,200	258
260							16.0	179.5	8,600	23.5	202.6	7,000	260
268							2.5	128.6	7,800	17.2	179.6	6,200	268
270										15.6	173.9	6,000	270
277										5.1	134.2	5,400	277

# MLC250 S-3

ASME B30.5



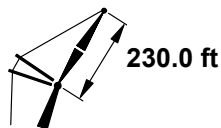
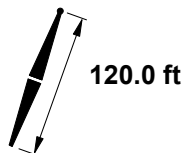
	88°			86°			83°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
69	75.8	350.7	33,900						69	
70	75.6	350.5	33,800						70	
75	74.3	349.1	33,500						75	
80	73.0	347.6	33,200						80	
81	72.7	347.3	33,100	73.8	348.3	38,200			81	
85	71.7	346.0	32,900	72.8	347.0	38,000			85	
90	70.4	344.2	32,600	71.5	345.4	37,700			90	
95	69.0	342.3	32,200	70.1	343.6	37,400			95	
98	68.2	341.1	32,000	69.3	342.5	37,200	71.0	344.1	36,600	
100	67.7	340.3	31,800	68.8	341.7	37,000	70.5	343.3	36,500	
105	66.3	338.1	31,400	67.5	339.7	36,700	69.1	341.5	36,300	
110	65.0	335.9	31,100	66.1	337.5	36,400	67.8	339.5	36,100	
115	63.6	333.4	30,700	64.7	335.2	36,100	66.4	337.3	35,900	
116	63.3	332.9	30,500	64.4	334.7	35,900	66.2	336.9	35,800	
120	62.2	330.8	29,900	63.3	332.7	34,900	65.1	335.0	35,700	
125	60.7	328.0	28,700	61.9	330.1	33,700	63.7	332.6	35,400	
130	59.3	325.1	27,500	60.5	327.3	32,500	62.3	330.0	35,200	
135	57.8	322.0	26,300	59.1	324.3	31,200	60.9	327.3	35,000	
140	56.3	318.8	25,200	57.6	321.2	30,000	59.4	324.4	34,400	
144	55.1	316.0	24,400	56.4	318.6	29,000	58.2	321.9	32,900	
145	54.8	315.3	24,100	56.1	317.9	28,800	58.0	321.3	32,500	
150	53.3	311.6	23,100	54.6	314.4	27,700	56.5	318.0	30,500	
155	51.7	307.7	22,100	53.0	310.7	26,500	55.0	314.6	28,700	
160	50.1	303.6	21,200	51.4	306.8	25,000	53.4	310.9	27,000	
165	48.4	299.3	20,300	49.8	302.6	23,600	51.8	307.1	25,400	
170	46.7	294.6	19,400	48.2	298.2	22,200	50.2	303.0	23,900	
171	46.4	293.6	19,300	47.8	297.3	22,000	49.9	302.1	23,700	
180	43.2	284.5	17,800	44.7	288.6	19,800	46.9	294.0	21,300	
190	39.4	273.0	16,400	41.0	277.7	17,600	43.4	284.0	18,900	
198	36.1	262.4	15,200	37.8	267.7	16,100	40.3	274.8	17,300	
200	35.3	259.7	15,000	37.0	265.2	15,700	39.6	272.5	16,900	
210	30.6	244.1	13,300	32.6	250.7	14,000	35.4	259.3	15,000	
220	25.3	225.0	11,800	27.6	233.2	12,400	30.8	243.8	13,300	
230	18.5	199.7	10,500	21.6	211.0	11,000	25.5	224.9	11,900	
240	6.7	153.7	7,400	13.0	178.3	9,600	18.8	199.9	10,500	
241	3.9	142.3	6,700	11.3	171.5	9,100	17.9	196.5	10,400	
245				4.5	144.6	7,300	14.4	182.8	9,900	
250							7.6	156.2	8,600	
251							5.3	146.9	8,000	
258									258	
260									260	
268									268	
270									270	
275									275	
278									278	

# MLC250 S-3

ASME B30.5



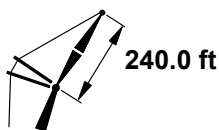
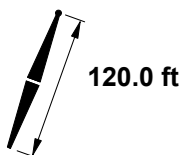
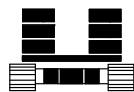
219,600 lb  
+  
80,000 lb



	80°			75°			70°			65°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
69													69
70													70
75													75
80													80
81													81
85													85
90													90
95													95
98													98
100													100
105													105
110													110
115													115
116	67.8	338.5	38,400										116
120	66.8	336.8	38,300										120
125	65.4	334.5	38,200										125
130	64.0	332.1	37,000										130
135	62.6	329.6	35,000										135
140	61.2	326.9	33,100										140
144	60.0	324.6	31,800	62.9	327.8	29,300							144
145	59.8	324.0	31,500	62.7	327.2	28,900							145
150	58.3	321.0	29,900	61.3	324.5	27,500							150
155	56.8	317.8	28,400	59.8	321.7	26,100							155
160	55.3	314.4	27,000	58.4	318.6	24,800							160
165	53.8	310.8	25,800	56.9	315.4	23,600							165
170	52.2	307.0	24,600	55.4	312.0	22,500							170
171	51.9	306.1	24,300	55.1	311.3	22,200	58.0	314.6	20,200				171
180	49.0	298.6	22,400	52.3	304.6	20,400	55.4	308.6	18,400				180
190	45.6	289.3	20,300	49.0	296.3	18,500	52.3	301.2	16,700				190
198	42.7	280.8	18,500	46.3	288.9	17,200	49.7	294.6	15,500	52.8	298.3	13,700	198
200	41.9	278.7	18,100	45.6	287.0	16,900	49.0	292.9	15,200	52.1	296.7	13,500	200
210	38.0	266.7	16,100	42.0	276.5	15,400	45.6	283.6	13,800	48.9	288.4	12,200	210
220	33.8	252.7	14,300	38.1	264.4	14,000	42.0	273.1	12,500	45.5	279.0	10,900	220
230	28.9	236.1	12,700	33.8	250.5	12,800	38.1	261.0	11,300	41.8	268.4	9,700	230
240	23.2	215.3	11,300	29.0	233.9	11,700	33.8	247.1	10,300	37.9	256.3	8,600	240
241	22.5	212.7	11,200	28.5	232.0	11,600	33.3	245.5	10,200	37.5	255.0	8,500	241
245	19.7	202.4	10,600	26.3	224.3	11,100	31.5	239.2	9,800	35.8	249.6	8,000	245
250	15.5	186.3	10,000	23.3	213.3	10,600	29.0	230.5	9,300	33.6	242.3	7,500	250
251	13.8	179.4	9,700	22.5	210.4	10,500	28.4	228.4	9,200	33.1	240.6	7,400	251
258	1.6	131.1	7,800	17.2	190.3	9,800	24.4	213.9	8,500	29.7	228.9	6,800	258
260				15.7	184.5	9,600	23.2	209.8	8,200	28.8	225.5	6,600	260
268				2.9	133.9	8,800	17.2	186.7	7,500	24.1	208.8	5,800	268
270							15.6	180.9	7,300	23.0	204.6	5,700	270
275							9.8	158.2	6,800	19.5	191.5	5,200	275
278							2.5	128.8	6,500				278

# MLC250 S-3

ASME B30.5



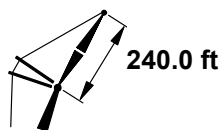
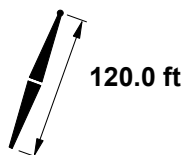
ft	88°			86°			83°			ft
	ft	lb	ft	ft	lb	ft	ft	lb	ft	
71	75.9	360.5	30,800							71
75	75.0	359.5	30,500							75
80	73.7	358.0	30,200							80
83	73.0	357.1	30,000	74.0	358.1	34,600				83
85	72.5	356.5	29,900	73.5	357.5	34,500				85
90	71.2	354.8	29,600	72.3	355.9	34,200				90
95	69.9	353.0	29,300	71.0	354.2	33,900				95
100	68.7	351.1	29,000	69.7	352.4	33,600				100
102	68.1	350.3	28,900	69.2	351.6	33,500	70.8	353.2	32,900	102
105	67.4	349.1	28,700	68.4	350.5	33,300	70.0	352.2	32,800	105
110	66.1	346.9	28,400	67.2	348.4	33,000	68.8	350.3	32,600	110
115	64.8	344.5	28,200	65.9	346.2	32,700	67.5	348.2	32,400	115
120	63.4	342.1	27,900	64.5	343.9	32,400	66.2	346.0	32,200	120
125	62.1	339.5	27,600	63.2	341.4	32,000	64.9	343.7	31,900	125
130	60.7	336.7	26,500	61.9	338.7	30,900	63.5	341.3	31,700	130
135	59.3	333.8	25,400	60.5	335.9	29,900	62.2	338.7	31,500	135
140	57.9	330.7	24,400	59.1	333.0	28,800	60.8	335.9	31,300	140
145	56.5	327.4	23,500	57.7	329.9	27,800	59.4	333.0	31,100	145
149	55.3	324.7	22,700	56.5	327.2	26,900	58.3	330.6	30,200	149
150	55.0	324.0	22,500	56.3	326.6	26,700	58.0	329.9	30,000	150
155	53.6	320.4	21,600	54.8	323.1	25,700	56.6	326.7	28,200	155
160	52.1	316.5	20,700	53.3	319.5	24,500	55.2	323.3	26,500	160
165	50.5	312.5	19,800	51.8	315.6	23,100	53.7	319.7	24,900	165
170	49.0	308.2	19,000	50.3	311.5	21,700	52.2	315.8	23,400	170
175	47.4	303.7	18,200	48.7	307.2	20,400	50.7	311.8	22,000	175
177	46.7	301.8	17,900	48.1	305.3	20,000	50.0	310.1	21,500	177
180	45.7	298.9	17,500	47.1	302.6	19,300	49.1	307.6	20,800	180
190	42.2	288.4	16,100	43.7	292.6	17,100	45.8	298.3	18,400	190
200	38.5	276.5	14,400	40.1	281.4	15,200	42.4	287.9	16,300	200
204	36.9	271.0	13,800	38.6	276.2	14,500	40.9	283.1	15,600	204
210	34.5	262.8	12,800	36.2	268.5	13,500	38.7	276.0	14,500	210
220	30.0	246.8	11,300	31.9	253.5	11,900	34.7	262.4	12,800	220
230	24.7	227.2	10,000	27.0	235.6	10,500	30.2	246.5	11,300	230
240	18.1	201.3	8,700	21.1	212.9	9,200	25.0	227.1	10,000	240
250	6.6	154.3	5,900	12.7	179.4	7,900	18.4	201.5	8,700	250
251	3.8	142.6	5,200	11.1	172.5	7,400	17.5	198.0	8,600	251
255				4.4	145.0	5,700	14.0	184.0	8,200	255
260							7.5	156.8	7,000	260
261							5.2	147.3	6,400	261
265										265
268										268
270										270
278										278
280										280
285										285

# MLC250 S-3

ASME B30.5



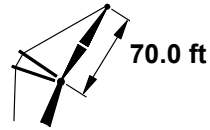
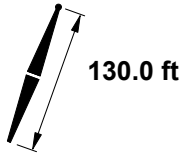
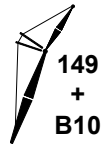
219,600 lb  
+  
80,000 lb



	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
71													71
75													75
80													80
83													83
85													85
90													90
95													95
100													100
102													102
105													105
110													110
115													115
120	67.8	347.7	34,400										120
125	66.5	345.5	34,400										125
130	65.2	343.2	34,200										130
135	63.9	340.8	34,100										135
140	62.5	338.3	32,700										140
145	61.2	335.6	31,000										145
149	60.0	333.3	29,700	62.8	336.4	27,200							149
150	59.8	332.7	29,400	62.6	335.9	27,000							150
155	58.4	329.7	28,000	61.2	333.2	25,600							155
160	57.0	326.5	26,600	59.8	330.3	24,300							160
165	55.5	323.1	25,300	58.4	327.3	23,100							165
170	54.1	319.5	24,100	57.0	324.1	22,000							170
175	52.6	315.7	23,000	55.6	320.7	20,900							175
177	51.9	314.1	22,600	55.0	319.3	20,500	57.8	322.7	18,500				177
180	51.0	311.8	21,900	54.1	317.2	19,900	57.0	320.7	17,900				180
190	47.9	303.1	19,800	51.1	309.4	18,100	54.1	313.8	16,200				190
200	44.6	293.4	17,600	47.9	300.8	16,400	51.1	306.0	14,600				200
204	43.1	289.0	16,800	46.6	296.9	15,800	49.8	302.6	14,100	52.8	306.3	12,300	204
210	41.0	282.5	15,600	44.6	291.1	14,900	47.9	297.4	13,300	50.9	301.5	11,500	210
220	37.2	270.1	13,800	41.1	280.2	13,600	44.6	287.7	12,000	47.8	292.8	10,100	220
230	33.0	255.7	12,200	37.3	267.8	12,400	41.1	276.8	10,800	44.4	283.1	8,900	230
240	28.3	238.6	10,800	33.1	253.5	11,200	37.2	264.4	9,700	40.9	272.2	7,800	240
250	22.7	217.3	9,500	28.4	236.5	10,200	33.1	250.0	8,600	37.1	259.7	6,800	250
251	22.0	214.7	9,400	27.9	234.5	10,100	32.6	248.4	8,500	36.7	258.3	6,700	251
255	19.3	204.1	8,900	25.7	226.5	9,700	30.8	241.9	8,100	35.0	252.7	6,300	255
260	15.2	187.6	8,300	22.8	215.3	9,200	28.3	233.0	7,600	32.9	245.2	5,900	260
261	14.1	182.9	8,200	22.1	212.6	9,100	27.8	231.0	7,500	32.4	243.6	5,800	261
265	9.5	164.2	7,700	19.4	202.1	8,800	25.7	223.0	7,100	30.6	237.0	5,400	265
268	1.6	131.2	6,200	17.0	192.3	8,500	23.9	216.3	6,800				268
270				15.4	185.8	8,200	22.7	211.8	6,600				270
278				2.8	134.1	7,300	16.8	188.1	5,900				278
280							15.3	182.2	5,700				280
285							9.6	159.0	5,300				285

# MLC250 S-3

ASME B30.5

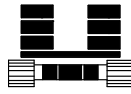


	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
32	74.3	205.1	146,900 d							32
34	72.6	204.4	141,900 d							34
36	70.8	203.7	137,200 d							36
37	69.9	203.3	134,900 d	73.9	204.6	144,300 d				37
38	69.1	202.9	132,600 d	73.0	204.3	141,900 d				38
40	67.3	202.1	128,300 c	71.3	203.6	137,200 d				40
45	62.7	199.7	118,400 b	66.9	201.6	126,500 c				45
48	59.9	197.9	113,300 b	64.1	200.1	120,800 c	70.2	202.4	132,400 d	48
50	58.0	196.7	109,800 b	62.3	199.1	117,000 b	68.4	201.6	128,300 d	50
55	52.9	193.1	102,300	57.5	196.1	108,600	63.9	199.3	118,800 b	55
58	49.7	190.5	98,400	54.5	193.9	104,200	61.1	197.6	113,700 b	58
60	47.5	188.8	95,700	52.5	192.4	101,300	59.2	196.4	110,400 b	60
65	41.6	183.5	90,000	47.0	188.0	94,800	54.3	193.0	102,900	65
70	34.8	176.9	85,000	41.0	182.7	89,200	49.0	188.9	95,300	70
74	28.2	169.9	80,400	35.5	177.2	85,200	44.3	184.9	89,000	74
75	26.5	168.1	79,300	34.1	175.9	84,200	43.2	183.9	87,400	75
80	14.1	153.8	65,900	25.6	166.8	80,000	36.7	177.7	80,600	80
81	9.7	148.6	60,400	22.9	163.7	77,100	35.1	176.1	79,400	81
85				12.2	151.3	65,500	28.9	169.6	74,600	85
86				6.6	144.4	58,800	26.7	167.2	73,500	86
90							18.1	157.5	69,300	90
93							3.9	140.5	58,900	93
95										95
99										99
100										100
105										105
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121										121
125										125
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131										131

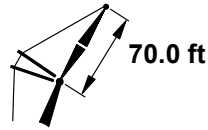
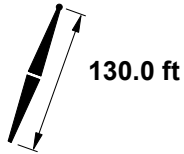


# MLC250 S-3

ASME B30.5



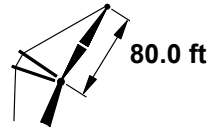
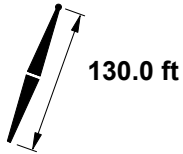
219,600 lb  
+  
80,000 lb



	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
32													32
34													34
36													36
37													37
38													38
40													40
45													45
48													48
50													50
55													55
58	67.3	199.9	117,300 c										58
60	65.5	199.0	112,300 b										60
65	60.9	196.3	101,400 b										65
70	56.0	193.1	92,400										70
74	51.9	190.0	86,200	62.8	194.8	81,600 b							74
75	50.8	189.3	84,700	61.8	194.3	80,200 b							75
80	45.2	184.6	78,100	57.0	191.2	73,900							80
81	44.0	183.5	76,900	56.0	190.4	72,800							81
85	39.0	178.9	72,300	51.9	187.5	68,500							85
86	37.5	177.4	71,300	50.8	186.6	67,500							86
90	31.7	171.5	67,300	46.4	183.0	63,700	57.8	188.1	60,200 b				90
93	26.1	165.4	64,600	42.8	179.7	61,200	54.7	185.9	57,800 b				93
95	22.4	161.3	62,700	40.4	177.5	59,500	52.7	184.5	56,200				95
99	9.7	146.4	59,400	34.8	172.0	56,500	48.4	181.0	53,300				99
100				33.4	170.6	55,700	47.3	180.1	52,600				100
105				24.6	161.1	52,300	41.3	174.8	49,400				105
106				21.7	157.7	51,600	40.0	173.5	48,800	52.1	179.5	46,000	106
110				9.9	143.9	49,100	34.5	168.2	46,500	47.8	176.0	43,800	110
115							26.1	159.2	43,800	41.8	170.8	41,300	115
120							13.3	144.4	41,300	35.1	164.2	39,100	120
121							8.5	138.6	40,800	33.4	162.5	38,600	121
125										26.9	155.6	36,900	125
130										14.8	141.6	34,900	130
131										10.7	136.8	34,500	131

# MLC250 S-3

ASME B30.5



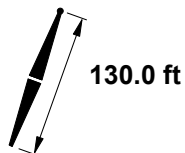
	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
33	75.6	215.2	138,700 d							33
34	74.8	214.9	136,500 d							34
36	73.3	214.3	132,200 d							36
38	71.8	213.6	128,000 d							38
40	70.3	212.9	124,000 c	73.7	214.1	132,500 d				40
45	66.4	210.8	114,900 b	69.9	212.4	122,500 c				45
50	62.4	208.3	106,800	66.0	210.3	113,700 b				50
51	61.6	207.7	105,300	65.2	209.8	112,100 b	70.5	211.9	122,500 c	51
55	58.2	205.4	99,500	62.0	207.7	105,800	67.4	210.3	115,500 b	55
60	53.9	201.9	93,200	57.8	204.7	98,800	63.4	207.9	107,600 b	60
61	52.9	201.1	92,100	57.0	204.0	97,500	62.6	207.4	106,100 b	61
65	49.2	197.8	87,500	53.4	201.2	92,500	59.3	205.1	100,500	65
70	44.2	192.9	82,100	48.8	197.0	86,900	55.0	201.7	94,100	70
75	38.7	187.1	75,000	43.7	192.1	82,000	50.5	197.8	87,000	75
79	33.7	181.3	70,300	39.3	187.3	78,500	46.5	194.1	81,600	79
80	32.4	179.8	69,100	38.2	186.1	77,600	45.6	193.2	80,200	80
85	24.7	170.3	64,700	31.8	178.7	73,800	40.2	187.6	74,300	85
90	13.1	154.9	58,200	23.9	168.9	70,400	34.2	180.8	69,100	90
91	9.0	149.3	53,500	21.4	165.5	67,900	32.7	179.0	68,200	91
95				11.4	152.2	58,000	26.9	172.0	64,500	95
96				6.1	144.9	52,300	24.9	169.4	63,700	96
100							16.9	159.0	60,400	100
103							3.6	140.7	52,500	103
105										105
109										109
110										110
112										112
115										115
120										120
125										125
130										130
131										131
135										135
140										140
141										141

# MLC250 S-3

ASME B30.5



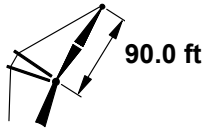
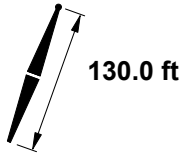
219,600 lb  
+  
80,000 lb



	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
33													33
34													34
36													36
38													38
40													40
45													45
50													50
51													51
55													55
60													60
61	68.0	209.5	109,400 b										61
65	64.8	207.7	100,900 b										65
70	60.8	205.0	91,900										70
75	56.5	201.8	84,200										75
79	53.0	198.9	79,000	62.4	203.5	74,500							79
80	52.1	198.1	77,600	61.6	202.9	73,300							80
85	47.3	193.7	71,900	57.4	199.9	67,900							85
90	42.1	188.5	66,900	53.0	196.3	63,200							90
91	41.0	187.2	66,000	52.1	195.4	62,400							91
95	36.3	182.2	62,500	48.3	192.0	59,000							95
96	35.0	180.6	61,700	47.3	191.0	58,300	57.2	196.1	54,800				96
100	29.6	174.2	58,500	43.2	187.0	55,300	53.7	193.3	52,000				100
103	24.4	167.5	56,300	39.8	183.4	53,200	50.9	190.8	50,100				103
105	20.9	163.1	54,900	37.6	181.0	51,900	49.0	189.1	48,900				105
109	9.0	147.1	52,200	32.4	174.9	49,500	45.0	185.2	46,600				109
110				31.1	173.4	48,900	44.0	184.2	46,000				110
112				27.8	169.3	47,700	41.8	181.9	45,000	52.2	187.5	42,200	112
115				22.9	163.2	46,100	38.5	178.4	43,400	49.4	185.0	40,700	115
120				9.2	144.7	43,400	32.2	171.0	41,000	44.4	180.1	38,500	120
125							24.3	161.4	38,800	39.0	174.4	36,500	125
130							12.4	145.4	36,700	32.7	167.2	34,600	130
131							7.9	139.3	36,300	31.2	165.3	34,200	131
135										25.1	157.8	32,800	135
140										13.7	142.8	31,100	140
141										10.0	137.6	30,700	141

# MLC250 S-3

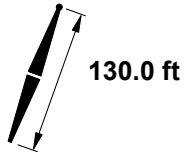
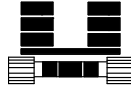
ASME B30.5



	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
35	75.9	225.0	124,600 d							35
36	75.2	224.7	123,800 d							36
38	73.9	224.1	122,200 d							38
40	72.6	223.5	120,100 c							40
43	70.5	222.4	115,000 c	73.6	223.7	122,400 d				43
45	69.2	221.7	111,600 b	72.2	223.0	118,900 c				45
50	65.7	219.5	104,000	68.8	221.2	110,700 b				50
54	62.8	217.5	98,500	66.1	219.4	104,800 b	70.7	221.5	114,100 b	54
55	62.1	217.0	97,200	65.4	219.0	103,300	70.1	221.1	112,500 b	55
60	58.4	214.0	91,100	61.8	216.4	96,600	66.6	219.0	105,100 b	60
65	54.6	210.6	85,600	58.1	213.4	90,600	63.1	216.6	98,400	65
70	50.5	206.7	80,000	54.2	210.0	85,200	59.4	213.8	92,200	70
75	46.2	202.1	73,000	50.1	206.0	80,300	55.6	210.5	86,800	75
80	41.6	196.8	66,800	45.8	201.3	76,000	51.6	206.7	80,000	80
83	38.5	192.9	63,600	43.0	198.1	73,700	49.0	204.0	76,500	83
85	36.4	190.4	61,500	41.1	195.9	72,100	47.4	202.3	74,100	85
90	30.5	182.6	57,100	35.9	189.4	67,800	42.8	197.1	69,000	90
95	23.2	172.3	53,900	29.9	181.4	62,700	37.8	191.1	64,400	95
100	12.3	155.9	50,600	22.4	170.9	58,800	32.1	183.7	60,300	100
101	8.4	150.0	47,800	20.1	167.3	57,100	30.7	181.8	59,600	101
105				10.7	153.1	50,500	25.3	174.2	56,600	105
106				5.7	145.3	46,800	23.4	171.4	56,000	106
110							15.9	160.3	53,300	110
113							3.3	140.9	47,100	113
115										115
118										118
119										119
120										120
125										125
130										130
135										135
140										140
141										141
145										145
150										150
151										151

# MLC250 S-3

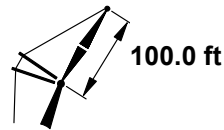
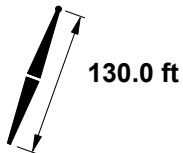
ASME B30.5



	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
35													35
36													36
38													38
40													40
43													43
45													45
50													50
54													54
55													55
60													60
65	67.8	218.7	100,600 b										65
70	64.3	216.3	91,500										70
75	60.7	213.7	83,900										75
80	56.9	210.5	77,300										80
83	54.6	208.3	73,900	62.9	212.7	69,600							83
85	53.0	206.9	71,600	61.4	211.6	67,600							85
90	48.8	202.7	66,700	57.7	208.6	62,900							90
95	44.4	197.9	62,200	53.8	205.1	58,700							95
100	39.6	192.1	58,300	49.7	201.0	55,000							100
101	38.5	190.8	57,600	48.8	200.0	54,300	57.5	204.8	51,000				101
105	34.2	185.3	54,800	45.3	196.3	51,600	54.4	202.0	48,500				105
106	32.9	183.5	54,100	44.4	195.2	51,000	53.6	201.2	47,900				106
110	27.8	176.7	51,600	40.6	190.8	48,600	50.4	198.0	45,700				110
113	22.9	169.6	49,800	37.4	186.8	47,000	47.8	195.3	44,100				113
115	19.6	164.8	48,600	35.3	184.2	45,900	46.0	193.4	43,100				115
118	11.3	152.0	46,900	31.7	179.2	44,400	43.2	190.2	41,700	52.3	195.5	39,000	118
119	8.5	147.8	46,400	30.4	177.6	43,900	42.3	189.1	41,200	51.5	194.7	38,600	119
120				29.2	176.0	43,400	41.3	188.1	40,700	50.7	193.9	38,100	120
125				21.6	165.0	41,000	36.2	181.6	38,600	46.4	189.3	36,100	125
130				8.6	145.4	38,800	30.2	173.8	36,600	41.7	184.0	34,200	130
135							22.9	163.4	34,700	36.6	177.7	32,500	135
140							11.6	146.4	32,900	30.7	169.9	30,900	140
141							7.4	139.8	32,600	29.3	167.9	30,600	141
145										23.6	159.8	29,400	145
150										12.9	143.9	27,900	150
151										9.3	138.4	27,600	151

# MLC250 S-3

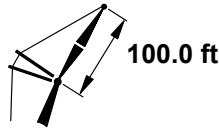
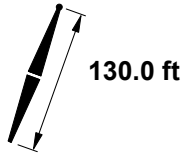
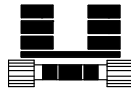
ASME B30.5



	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
38	75.5	234.5	111,300 d							38
40	74.4	234.0	111,300 c							40
45	71.3	232.4	106,800 b							45
46	70.7	232.0	105,600 b	73.5	233.2	113,100 b				46
50	68.3	230.4	100,800	71.1	231.9	107,100 b				50
55	65.1	228.2	94,400	68.0	229.9	100,300				55
57	63.9	227.2	92,100	66.7	229.0	97,700	70.9	231.0	106,100 b	57
60	61.9	225.6	88,600	64.8	227.7	93,900	69.1	229.9	102,100	60
65	58.6	222.7	83,400	61.6	225.1	88,300	66.0	227.7	95,800	65
69	55.8	220.0	79,600	58.9	222.7	84,200	63.4	225.8	91,200	69
70	55.1	219.3	78,600	58.3	222.1	83,100	62.8	225.3	90,000	70
75	51.5	215.5	71,600	54.8	218.7	78,500	59.5	222.4	84,800	75
80	47.7	211.2	65,600	51.2	214.8	74,300	56.1	219.2	79,500	80
85	43.7	206.2	60,200	47.4	210.4	70,400	52.5	215.5	73,700	85
88	41.0	202.7	57,500	44.9	207.4	68,300	50.2	212.9	70,600	88
90	39.3	200.4	55,600	43.3	205.3	67,000	48.7	211.3	68,500	90
95	34.4	193.5	51,600	38.9	199.4	61,700	44.8	206.4	64,000	95
100	28.9	185.1	48,300	33.9	192.5	57,100	40.5	200.9	60,000	100
105	22.0	174.3	45,900	28.3	183.9	53,200	35.7	194.3	56,300	105
106	19.9	170.8	45,500	26.9	181.7	52,600	34.7	192.7	55,700	106
110	11.6	156.9	44,100	21.2	172.7	50,200	30.4	186.4	53,000	110
111	8.0	150.6	41,700	19.0	168.9	49,000	29.1	184.4	52,400	111
115				10.1	153.9	44,000	23.9	176.3	50,000	115
116				5.3	145.7	41,100	22.2	173.4	49,500	116
120							15.0	161.6	47,300	120
123							3.1	141.1	41,300	123
124										124
125										125
129										129
130										130
135										135
140										140
145										145
150										150
151										151
155										155
160										160
161										161

# MLC250 S-3

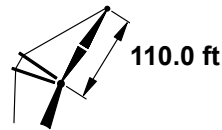
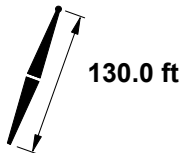
ASME B30.5



	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
38													38
40													40
45													45
46													46
50													50
55													55
57													57
60													60
65													65
69	67.7	227.8	92,700										69
70	67.0	227.4	91,000										70
75	63.9	225.0	83,400										75
80	60.6	222.3	76,800										80
85	57.2	219.2	71,100										85
88	55.1	217.1	68,200	62.6	221.4	64,100							88
90	53.7	215.7	66,200	61.3	220.3	62,300							90
95	50.0	211.6	61,800	57.9	217.2	58,100							95
100	46.2	207.0	57,900	54.5	213.8	54,400							100
105	42.0	201.7	54,400	50.8	209.9	51,100							105
106	41.1	200.5	53,700	50.1	209.0	50,500	57.8	213.5	47,300				106
110	37.4	195.6	51,200	47.0	205.4	48,100	55.0	210.7	45,100				110
111	36.4	194.1	50,600	46.1	204.4	47,600	54.3	210.0	44,600				111
115	32.3	188.2	48,300	42.9	200.2	45,400	51.4	206.9	42,500				115
116	31.1	186.3	47,800	42.0	199.0	44,900	50.6	206.0	42,000				116
120	26.3	179.0	45,700	38.4	194.3	42,900	47.6	202.5	40,200				120
123	21.7	171.4	44,200	35.4	190.0	41,600	45.1	199.5	38,900				123
124	20.1	168.9	43,700	34.4	188.6	41,100	44.3	198.5	38,500	52.4	203.5	35,900	124
125	18.6	166.4	43,200	33.4	187.2	40,600	43.5	197.5	38,000	51.7	202.7	35,500	125
129	8.0	148.4	41,300	28.8	180.2	39,000	40.0	192.8	36,500	48.6	199.2	34,000	129
130				27.7	178.4	38,500	39.1	191.6	36,100	47.9	198.4	33,600	130
135				20.4	166.8	36,600	34.2	184.7	34,300	43.8	193.4	31,900	135
140				8.1	146.0	34,700	28.6	176.3	32,600	39.5	187.6	30,400	140
145							21.7	165.3	31,000	34.6	180.8	28,900	145
150							11.0	147.3	29,400	29.1	172.5	27,500	150
151							6.9	140.4	29,100	27.7	170.4	27,200	151
155										22.3	161.8	26,200	155
160										12.2	144.9	24,900	160
161										8.8	139.1	24,700	161

# MLC250 S-3

ASME B30.5

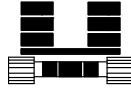


	88°			86°			83°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
40	75.8	244.4	100,400 b						40	
45	73.1	242.9	97,900 b						45	
48	71.5	241.9	96,300 b	73.9	243.1	106,400 b			48	
50	70.4	241.2	95,300	72.8	242.4	103,700 b			50	
55	67.5	239.2	91,800	70.1	240.7	97,400			55	
60	64.7	236.9	86,300	67.3	238.7	91,600			60	
61	64.1	236.4	85,300	66.7	238.2	90,500	70.5	240.2	97,900	
65	61.7	234.3	81,300	64.4	236.4	86,200	68.3	238.6	93,300	
70	58.7	231.4	76,500	61.5	233.7	81,200	65.4	236.4	87,900	
73	56.8	229.4	72,700	59.6	231.9	78,500	63.7	234.9	84,900	
75	55.6	228.1	70,200	58.4	230.8	76,700	62.5	233.9	83,000	
80	52.4	224.3	64,300	55.3	227.4	72,700	59.5	231.1	78,400	
85	49.0	220.1	59,100	52.0	223.6	69,000	56.4	227.9	73,600	
90	45.4	215.4	54,500	48.6	219.4	65,600	53.2	224.3	68,400	
92	43.8	213.2	52,900	47.2	217.5	63,800	51.9	222.6	66,600	
95	41.5	210.0	50,500	45.0	214.6	61,000	49.8	220.2	63,900	
100	37.4	203.8	46,900	41.1	209.1	56,300	46.3	215.6	59,900	
105	32.8	196.4	43,800	37.0	202.8	52,100	42.5	210.4	56,300	
110	27.5	187.6	41,300	32.3	195.4	48,600	38.5	204.4	53,000	
111	26.1	185.3	40,900	31.2	193.6	47,900	37.6	203.0	52,400	
115	20.9	176.1	39,500	26.9	186.3	45,500	34.0	197.4	50,000	
120	11.0	157.8	38,900	20.2	174.5	43,200	28.9	189.0	47,300	
121	7.6	151.2	36,900	18.1	170.5	42,400	27.7	186.8	46,800	
125				9.6	154.7	38,900	22.8	178.3	44,800	
126				5.1	146.1	36,400	21.1	175.2	44,400	
130							14.3	162.8	42,500	
133							2.9	141.2	36,600	
135									135	
139									139	
140									140	
145									145	
150									150	
155									155	
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171									171	

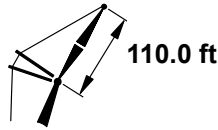
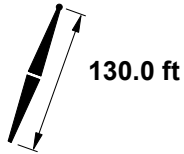


# MLC250 S-3

ASME B30.5



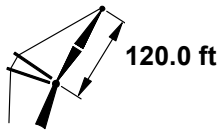
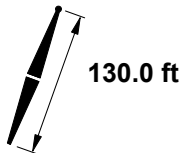
219,600 lb  
+  
80,000 lb



	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
40													40
45													45
48													48
50													50
55													55
60													60
61													61
65													65
70													70
73	67.5	237.0	86,100										73
75	66.4	236.1	83,200										75
80	63.5	233.7	76,700										80
85	60.6	231.0	71,000										85
90	57.5	227.9	66,100										90
92	56.2	226.5	64,300	63.0	230.6	60,400							92
95	54.3	224.4	61,700	61.2	228.9	58,000							95
100	51.0	220.5	57,800	58.1	225.9	54,300							100
105	47.5	216.1	54,300	55.0	222.5	51,000							105
110	43.9	211.1	51,100	51.7	218.7	48,000							110
111	43.1	210.0	50,500	51.0	217.8	47,400	58.0	222.2	44,400				111
115	39.9	205.4	48,300	48.3	214.4	45,300	55.5	219.5	42,400				115
120	35.6	198.8	45,600	44.6	209.5	42,800	52.2	215.7	40,000				120
121	34.6	197.2	45,200	43.9	208.4	42,400	51.5	214.9	39,600				121
125	30.7	190.9	43,200	40.8	204.0	40,600	48.8	211.5	37,900				125
126	29.6	189.0	42,800	39.9	202.7	40,200	48.1	210.5	37,500				126
130	25.0	181.2	41,000	36.5	197.6	38,500	45.2	206.7	36,000	52.5	211.5	33,500	130
133	20.6	173.3	39,800	33.7	193.0	37,300	42.9	203.5	34,900	50.4	209.0	32,500	133
135	17.7	168.0	39,000	31.8	190.0	36,600	41.4	201.3	34,200	49.1	207.3	31,800	135
139	7.6	149.0	37,400	27.4	182.6	35,200	38.0	196.3	32,800	46.2	203.5	30,500	139
140				26.3	180.8	34,800	37.2	195.0	32,500	45.5	202.6	30,200	140
145				19.4	168.5	33,100	32.5	187.7	30,900	41.7	197.2	28,800	145
150				7.7	146.6	31,500	27.2	178.7	29,500	37.5	191.0	27,400	150
155							20.6	167.1	28,100	32.9	183.8	26,100	155
160							10.4	148.2	26,800	27.7	175.0	24,900	160
161							6.6	140.9	26,500	26.4	172.7	24,700	161
165										21.2	163.6	23,800	165
170										11.6	145.9	22,700	170
171										8.4	139.8	22,400	171

# MLC250 S-3

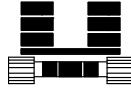
ASME B30.5



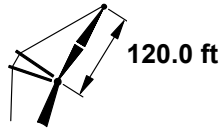
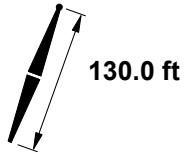
	88°			86°			83°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
42	76.0	254.2	90,800 b						42	
45	74.6	253.3	89,600 b						45	
50	72.1	251.8	87,500						50	
51	71.5	251.4	87,100	73.8	252.6	98,800 b			51	
55	69.5	250.0	85,400	71.8	251.3	94,200			55	
60	66.9	247.9	83,800	69.3	249.5	88,800			60	
64	64.8	246.1	80,000	67.2	247.8	84,800	70.7	249.8	91,600	64
65	64.3	245.6	79,100	66.7	247.4	83,800	70.2	249.4	90,600	65
70	61.6	243.0	73,800	64.0	245.0	79,100	67.6	247.4	85,500	70
75	58.8	240.0	68,300	61.3	242.4	74,900	65.0	245.1	80,800	75
76	58.3	239.4	67,200	60.8	241.8	74,100	64.4	244.6	80,000	76
80	56.0	236.8	63,000	58.6	239.4	70,900	62.3	242.6	76,500	80
85	53.0	233.1	58,000	55.7	236.1	67,400	59.6	239.7	72,500	85
90	49.9	229.0	53,600	52.7	232.4	64,100	56.7	236.6	68,000	90
95	46.7	224.5	49,600	49.6	228.3	60,500	53.8	233.0	63,500	95
97	45.4	222.5	48,200	48.3	226.5	58,600	52.6	231.4	61,900	97
100	43.3	219.4	46,000	46.4	223.7	55,800	50.8	229.1	59,500	100
105	39.7	213.6	42,900	43.0	218.6	51,600	47.6	224.6	55,800	105
110	35.7	207.0	40,100	39.3	212.7	47,900	44.2	219.7	52,600	110
115	31.3	199.3	37,700	35.3	206.0	44,700	40.6	214.1	49,600	115
117	29.3	195.5	36,900	33.5	202.8	43,500	39.1	211.5	48,600	117
120	26.2	189.9	35,700	30.9	198.1	41,800	36.8	207.7	47,000	120
125	20.0	177.8	34,300	25.7	188.6	39,500	32.5	200.3	44,500	125
130	10.5	158.7	34,000	19.3	176.1	37,600	27.6	191.4	42,200	130
131	7.2	151.8	32,400	17.3	172.0	36,900	26.5	189.2	41,800	131
135				9.1	155.5	34,200	21.8	180.2	40,100	135
136				4.8	146.5	32,000	20.1	177.0	39,700	136
140							13.6	164.0	37,900	140
143							2.8	141.4	32,300	143
145										145
149										149
150										150
155										155
160										160
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181										181

# MLC250 S-3

ASME B30.5



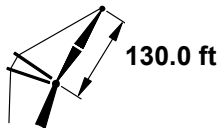
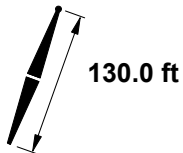
219,600 lb  
+  
80,000 lb



	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
42													42
45													45
50													50
51													51
55													55
60													60
64													64
65													65
70													70
75													75
76	68.0	246.6	81,300										76
80	65.9	244.8	76,200										80
85	63.2	242.4	70,500										85
90	60.5	239.6	65,500										90
95	57.7	236.6	61,200										95
97	56.5	235.2	59,600	62.7	239.2	55,800							97
100	54.8	233.1	57,300	61.1	237.6	53,700							100
105	51.8	229.3	53,800	58.3	234.6	50,400							105
110	48.7	225.1	50,700	55.4	231.2	47,400							110
115	45.4	220.3	47,800	52.4	227.5	44,700							115
117	44.0	218.2	46,800	51.2	225.8	43,800	57.6	230.2	40,800				117
120	41.9	215.0	45,200	49.3	223.4	42,300	55.9	228.2	39,400				120
125	38.1	208.9	42,800	46.1	218.7	40,100	52.9	224.5	37,300				125
130	34.0	201.8	40,600	42.6	213.5	38,000	49.8	220.4	35,400				130
131	33.1	200.2	40,200	41.9	212.3	37,600	49.2	219.5	35,000				131
135	29.4	193.5	38,600	38.9	207.6	36,100	46.6	215.8	33,600				135
136	28.3	191.5	38,300	38.1	206.2	35,800	45.9	214.8	33,300	52.5	219.5	30,900	136
140	23.9	183.3	36,700	34.9	200.7	34,300	43.2	210.7	32,000	50.1	216.2	29,600	140
143	19.7	175.0	35,700	32.2	195.9	33,400	41.0	207.2	31,000	48.1	213.5	28,800	143
145	16.9	169.4	35,000	30.4	192.7	32,700	39.5	204.9	30,400	46.8	211.7	28,200	145
149	7.2	149.6	33,600	26.2	184.9	31,500	36.3	199.6	29,300	44.1	207.6	27,100	149
150				25.1	183.0	31,200	35.5	198.2	29,000	43.4	206.6	26,800	150
155				18.5	170.1	29,700	31.1	190.4	27,700	39.8	200.9	25,600	155
160				7.4	147.2	28,300	26.0	181.0	26,400	35.9	194.3	24,400	160
165							19.7	168.8	25,200	31.5	186.6	23,300	165
170							9.9	149.0	24,000	26.4	177.3	22,300	170
171							6.3	141.4	23,800	25.2	174.9	22,100	171
175										20.3	165.4	21,300	175
180										11.1	146.8	20,300	180
181										8.0	140.4	20,100	181

# MLC250 S-3

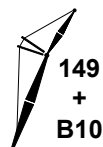
ASME B30.5



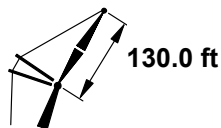
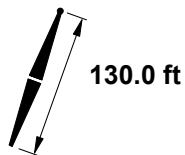
	88°			86°			83°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
45	75.8	263.7	83,000 b							45
50	73.5	262.3	80,400							50
54	71.6	261.0	79,100	73.7	262.1	92,400				54
55	71.2	260.6	78,700	73.3	261.8	91,400				55
60	68.8	258.8	77,000	70.9	260.2	86,300				60
65	66.4	256.6	76,000	68.6	258.3	81,600				65
67	65.4	255.7	74,100	67.6	257.4	79,900	70.8	259.3	86,100	67
70	64.0	254.3	71,300	66.2	256.1	77,300	69.4	258.2	83,300	70
75	61.5	251.6	66,200	63.7	253.7	73,200	67.0	256.1	79,000	75
80	58.9	248.7	61,500	61.2	251.1	69,500	64.6	253.8	74,900	80
85	56.3	245.5	57,100	58.7	248.1	66,000	62.1	251.3	71,100	85
90	53.6	241.9	52,700	56.0	244.8	62,800	59.6	248.4	67,500	90
95	50.8	237.9	49,000	53.3	241.2	59,700	57.0	245.2	63,100	95
100	47.8	233.5	45,500	50.5	237.2	55,400	54.3	241.8	59,100	100
101	47.2	232.5	44,900	49.9	236.3	54,600	53.7	241.0	58,400	101
105	44.8	228.7	42,400	47.6	232.8	51,300	51.5	237.9	55,500	105
110	41.5	223.2	39,500	44.5	227.8	47,700	48.6	233.6	52,300	110
115	38.0	217.1	37,000	41.2	222.3	44,400	45.6	228.9	49,300	115
120	34.2	210.1	34,800	37.7	216.1	41,400	42.4	223.6	46,700	120
122	32.5	206.8	34,100	36.1	213.3	40,400	41.0	221.2	45,700	122
125	30.0	201.9	32,900	33.9	209.0	38,800	38.9	217.6	44,200	125
130	25.2	192.1	31,400	29.6	200.8	36,500	35.2	210.9	42,000	130
135	19.2	179.5	30,300	24.7	190.8	34,600	31.2	203.1	39,900	135
140	10.1	159.5	30,000	18.5	177.8	33,200	26.5	193.8	38,000	140
141	6.9	152.4	28,700	16.6	173.4	32,600	25.4	191.4	37,600	141
142				14.6	169.1	32,000	24.2	189.1	37,200	142
145				8.7	156.2	30,300	20.9	182.1	36,200	145
146				4.6	146.8	28,300	19.3	178.7	35,600	146
150							13.1	165.1	33,500	150
153							2.6	141.6	28,600	153
155										155
159										159
160										160
165										165
170										170
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185										185
190										190
191										191

# MLC250 S-3

ASME B30.5



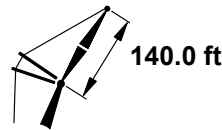
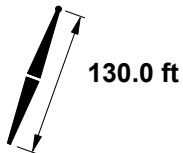
219,600 lb  
+  
80,000 lb



	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
45													45
50													50
54													54
55													55
60													60
65													65
67													67
70													70
75													75
80	67.9	255.7	75,800										80
85	65.4	253.5	70,100										85
90	63.0	251.0	65,200										90
95	60.5	248.3	60,800										95
100	57.9	245.2	56,900										100
101	57.3	244.6	56,200	63.0	248.4	52,600							101
105	55.2	241.9	53,400	61.0	246.2	50,000							105
110	52.5	238.1	50,300	58.4	243.2	47,000							110
115	49.6	234.0	47,500	55.8	239.9	44,400							115
120	46.6	229.4	44,900	53.1	236.3	41,900							120
122	45.4	227.4	43,900	51.9	234.7	41,000	57.8	238.9	38,200				122
125	43.5	224.3	42,500	50.2	232.2	39,700	56.2	236.9	36,900				125
130	40.1	218.6	40,300	47.3	227.8	37,600	53.5	233.3	35,000				130
135	36.5	212.2	38,300	44.2	222.8	35,800	50.7	229.3	33,200				135
140	32.6	204.8	36,500	40.9	217.2	34,000	47.7	224.9	31,600				140
141	31.7	203.0	36,100	40.1	216.0	33,700	47.1	223.9	31,300				141
142	30.8	201.3	35,800	39.4	214.7	33,400	46.5	222.9	31,000	52.6	227.5	28,600	142
145	28.2	196.1	34,800	37.3	210.9	32,400	44.6	220.0	30,100	50.9	225.1	27,800	145
146	27.1	193.9	34,400	36.5	209.5	32,100	44.0	218.9	29,800	50.3	224.2	27,500	146
150	23.0	185.3	33,100	33.5	203.8	30,900	41.4	214.5	28,600	48.0	220.7	26,400	150
153	18.9	176.6	32,200	30.9	198.7	30,000	39.3	210.8	27,800	46.1	217.8	25,700	153
155	16.2	170.8	31,600	29.1	195.3	29,500	37.9	208.4	27,300	44.9	215.9	25,200	155
159	6.9	150.2	30,400	25.1	187.2	28,400	34.8	202.7	26,300	42.3	211.5	24,300	159
160				24.1	185.1	28,100	34.1	201.3	26,100	41.6	210.5	24,000	160
165				17.8	171.7	26,900	29.8	193.1	24,900	38.2	204.4	22,900	165
170				7.0	147.8	25,600	24.9	183.2	23,800	34.4	197.4	21,900	170
175							18.9	170.4	22,700	30.2	189.3	20,900	175
180							9.5	149.8	21,700	25.4	179.6	20,000	180
181							6.0	141.9	21,500	24.2	177.1	19,800	181
185										19.4	167.1	19,100	185
190										10.6	147.7	18,200	190
191										7.6	141.0	18,000	191

# MLC250 S-3

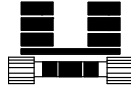
ASME B30.5



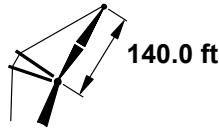
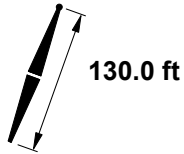
	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
47	76.0	273.5	74,500 b							47
50	74.7	272.7	73,700							50
55	72.6	271.2	72,300							55
57	71.7	270.5	71,700	73.6	271.7	86,000				57
60	70.4	269.5	70,900	72.4	270.7	83,300				60
65	68.2	267.5	69,500	70.2	269.0	79,000				65
70	66.0	265.4	68,100	68.0	267.0	75,000	71.0	268.9	80,600	70
75	63.7	263.0	64,200	65.8	264.8	71,200	68.8	267.0	76,700	75
80	61.4	260.3	59,900	63.5	262.4	67,700	66.5	264.9	72,800	80
84	59.5	257.9	56,700	61.6	260.2	65,100	64.7	263.0	70,000	84
85	59.0	257.4	56,000	61.2	259.7	64,400	64.3	262.5	69,200	85
90	56.6	254.2	52,100	58.8	256.8	61,300	62.0	259.9	65,900	90
95	54.1	250.6	48,500	56.3	253.5	58,500	59.6	257.1	62,700	95
100	51.5	246.7	45,100	53.8	250.0	54,800	57.2	253.9	58,700	100
105	48.8	242.5	42,000	51.2	246.0	51,200	54.7	250.5	55,100	105
106	48.2	241.6	41,500	50.7	245.2	50,500	54.2	249.7	54,400	106
110	46.0	237.8	39,200	48.5	241.8	47,700	52.2	246.7	51,800	110
115	43.0	232.6	36,700	45.7	237.0	44,300	49.5	242.5	48,900	115
120	39.9	226.9	34,400	42.8	231.8	41,400	46.7	238.0	46,200	120
125	36.6	220.4	32,400	39.6	226.0	38,800	43.8	232.9	43,800	125
127	35.1	217.5	31,700	38.3	223.3	37,800	42.6	230.7	42,900	127
130	32.9	213.0	30,700	36.2	219.4	36,300	40.7	227.3	41,600	130
135	28.9	204.5	29,100	32.6	212.0	34,200	37.5	221.1	39,500	135
140	24.2	194.3	27,900	28.5	203.3	32,400	33.9	214.0	37,600	140
145	18.5	181.1	27,000	23.7	192.9	30,800	30.0	205.8	35,800	145
148	13.2	168.7	26,800	20.2	184.7	30,100	27.3	199.9	34,800	148
150	9.7	160.4	26,700	17.8	179.3	29,700	25.5	196.0	34,100	150
151	6.6	152.9	25,300	15.9	174.8	29,100	24.4	193.6	33,800	151
155				8.4	156.9	26,800	20.1	183.8	32,600	155
156				4.4	147.2	25,000	18.6	180.3	32,000	156
160							12.6	166.2	29,700	160
163							2.5	141.7	25,300	163
165										165
169										169
170										170
175										175
180										180
185										185
190										190
191										191
195										195
200										200
201										201

# MLC250 S-3

ASME B30.5



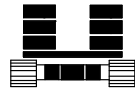
219,600 lb  
+  
80,000 lb



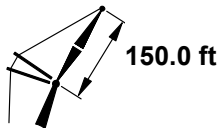
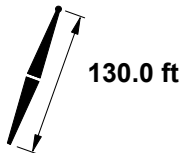
	80°			75°			70°			65°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
47													47
50													50
55													55
57													57
60													60
65													65
70													70
75													75
80													80
84	67.8	264.9	70,600										84
85	67.3	264.5	69,600										85
90	65.1	262.2	64,600										90
95	62.8	259.7	60,300										95
100	60.4	257.0	56,400										100
105	58.0	253.9	52,900										105
106	57.5	253.2	52,300	62.8	257.1	48,800							106
110	55.6	250.6	49,800	60.9	254.9	46,500							110
115	53.0	246.9	47,000	58.5	251.9	43,800							115
120	50.4	242.9	44,400	56.1	248.6	41,400							120
125	47.7	238.5	42,000	53.6	245.0	39,200							125
127	46.5	236.5	41,200	52.5	243.5	38,300	57.9	247.5	35,500				127
130	44.8	233.6	39,900	51.0	241.1	37,100	56.5	245.6	34,400				130
135	41.8	228.2	37,900	48.3	236.8	35,200	54.0	242.0	32,600				135
140	38.6	222.2	36,000	45.4	232.0	33,500	51.4	238.1	31,000				140
145	35.2	215.4	34,300	42.5	226.7	31,900	48.7	233.9	29,500				145
148	32.9	210.7	33,400	40.5	223.2	31,000	47.0	231.0	28,700	52.6	235.5	26,400	148
150	31.4	207.6	32,700	39.3	220.8	30,400	45.9	229.1	28,100	51.6	233.9	25,800	150
151	30.5	205.8	32,400	38.6	219.5	30,100	45.3	228.1	27,800	51.0	233.1	25,600	151
155	27.1	198.5	31,200	35.9	214.2	29,000	42.9	223.9	26,800	48.9	229.7	24,600	155
156	26.1	196.2	31,000	35.1	212.7	28,700	42.3	222.8	26,500	48.3	228.8	24,400	156
160	22.1	187.3	29,800	32.2	206.6	27,700	39.8	218.2	25,500	46.1	225.0	23,500	160
163	18.2	178.2	29,000	29.7	201.4	26,900	37.8	214.3	24,800	44.3	221.9	22,800	163
165	15.6	172.2	28,500	28.0	197.8	26,400	36.4	211.7	24,400	43.2	219.9	22,400	165
169	6.6	150.7	27,400	24.2	189.3	25,500	33.5	205.7	23,500	40.7	215.3	21,600	169
170				23.2	187.2	25,300	32.8	204.3	23,300	40.0	214.1	21,400	170
175				17.1	173.1	24,200	28.7	195.7	22,300	36.7	207.7	20,400	175
180				6.8	148.4	23,000	24.0	185.3	21,300	33.1	200.4	19,500	180
185							18.2	172.0	20,300	29.1	191.9	18,600	185
190							9.2	150.6	19,400	24.4	181.7	17,800	190
191							5.8	142.3	19,200	23.3	179.1	17,600	191
195										18.7	168.7	17,000	195
200										10.2	148.6	16,200	200
201										7.3	141.6	16,000	201

# MLC250 S-3

ASME B30.5



219,600 lb  
+  
80,000 lb



	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
50	75.7	283.1	68,200							50
55	73.8	281.7	66,500							55
59	72.1	280.4	66,000	74.0	281.5	79,000				59
60	71.7	280.1	65,900	73.6	281.2	78,900				60
65	69.7	278.3	64,100	71.6	279.6	76,600				65
70	67.7	276.3	63,000	69.5	277.8	72,800				70
74	66.0	274.5	62,000	67.9	276.2	70,000	70.7	278.0	75,100	74
75	65.6	274.1	61,800	67.5	275.8	69,300	70.2	277.7	74,300	75
80	63.4	271.6	57,900	65.4	273.5	66,000	68.2	275.7	70,900	80
85	61.3	269.0	54,300	63.2	271.1	62,800	66.1	273.6	67,600	85
88	60.0	267.2	52,200	61.9	269.4	61,100	64.8	272.1	65,700	88
90	59.1	266.0	50,800	61.1	268.4	59,900	64.0	271.2	64,400	90
95	56.8	262.8	47,500	58.9	265.4	57,200	61.8	268.6	61,400	95
100	54.5	259.4	44,500	56.6	262.2	53,800	59.6	265.7	58,500	100
105	52.1	255.6	41,400	54.3	258.7	50,300	57.4	262.6	54,900	105
110	49.6	251.4	38,700	51.8	254.9	47,200	55.1	259.2	51,700	110
115	47.0	246.9	36,300	49.4	250.7	44,200	52.7	255.5	48,700	115
120	44.3	241.9	34,100	46.8	246.1	41,200	50.2	251.4	46,100	120
125	41.5	236.4	32,000	44.1	241.1	38,500	47.7	247.0	43,600	125
130	38.5	230.4	30,200	41.2	235.6	36,200	45.0	242.2	41,400	130
133	36.6	226.3	29,200	39.4	231.9	34,900	43.4	238.9	40,200	133
135	35.3	223.6	28,600	38.2	229.4	34,000	42.2	236.8	39,300	135
140	31.8	215.9	27,100	35.0	222.6	32,100	39.3	230.9	37,400	140
145	27.9	207.0	25,900	31.4	214.8	30,300	36.1	224.3	35,700	145
150	23.4	196.3	24,800	27.5	205.8	28,800	32.7	216.9	34,000	150
154	18.9	185.4	24,300	23.8	197.0	27,800	29.7	210.1	32,800	154
155	17.8	182.7	24,100	22.9	194.9	27,500	28.9	208.3	32,500	155
160	9.4	161.1	23,800	17.2	180.8	26,600	24.6	198.2	31,000	160
161	6.4	153.4	22,600	15.4	176.1	26,100	23.6	195.7	30,800	161
165				8.1	157.6	23,900	19.4	185.5	29,700	165
166				4.2	147.5	22,400	17.9	181.8	29,100	166
170							12.1	167.2	26,600	170
173							2.4	141.9	22,600	173
175										175
179										179
180										180
185										185
190										190
195										195
200										200
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211										211

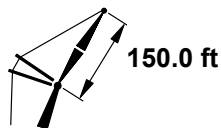
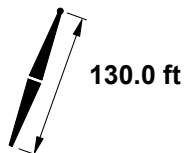


# MLC250 S-3

ASME B30.5



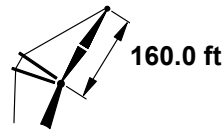
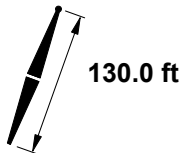
219,600 lb  
+  
80,000 lb



	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
50													50
55													55
59													59
60													60
65													65
70													70
74													74
75													75
80													80
85													85
88	67.7	274.1	66,400										88
90	66.8	273.2	64,500										90
95	64.7	270.9	60,100										95
100	62.6	268.4	56,200										100
105	60.4	265.6	52,800										105
110	58.2	262.6	49,600	63.0	266.3	46,300							110
115	55.9	259.3	46,800	60.9	263.6	43,600							115
120	53.5	255.7	44,200	58.6	260.6	41,200							120
125	51.1	251.7	41,900	56.4	257.3	39,000							125
130	48.6	247.4	39,700	54.0	253.8	36,900							130
133	47.0	244.6	38,500	52.6	251.5	35,800	57.6	255.6	33,100				133
135	46.0	242.7	37,700	51.6	249.9	35,100	56.7	254.2	32,500				135
140	43.2	237.6	35,900	49.1	245.7	33,300	54.4	250.8	30,800				140
145	40.3	231.9	34,200	46.5	241.1	31,700	52.0	246.9	29,300				145
150	37.2	225.6	32,600	43.8	236.0	30,200	49.5	242.8	27,900				150
154	34.6	219.8	31,400	41.5	231.6	29,100	47.4	239.1	26,900	52.7	243.5	24,700	154
155	33.9	218.4	31,100	40.9	230.5	28,800	46.9	238.2	26,600	52.2	242.7	24,400	155
160	30.3	210.3	29,700	37.9	224.3	27,500	44.2	233.2	25,400	49.7	238.6	23,300	160
161	29.4	208.4	29,500	37.2	222.9	27,300	43.6	232.1	25,200	49.2	237.7	23,100	161
165	26.2	200.8	28,400	34.6	217.3	26,300	41.4	227.7	24,200	47.1	234.1	22,200	165
166	25.2	198.5	28,200	33.9	215.7	26,100	40.8	226.5	24,000	46.6	233.1	22,000	166
170	21.3	189.1	27,200	31.1	209.4	25,200	38.4	221.7	23,200	44.4	229.1	21,200	170
173	17.5	179.7	26,500	28.7	203.9	24,500	36.4	217.6	22,500	42.7	225.9	20,600	173
175	15.0	173.4	26,000	27.1	200.2	24,100	35.1	214.8	22,100	41.6	223.7	20,200	175
179	6.4	151.3	25,100	23.3	191.3	23,200	32.3	208.6	21,400	39.2	218.8	19,500	179
180				22.4	189.1	23,000	31.6	207.1	21,200	38.6	217.6	19,300	180
185				16.5	174.6	22,000	27.7	198.1	20,300	35.4	210.9	18,500	185
190				6.5	148.9	21,000	23.2	187.4	19,400	31.9	203.2	17,700	190
195							17.5	173.5	18,500	28.0	194.4	16,900	195
200							8.8	151.3	17,700	23.6	183.8	16,200	200
201							5.5	142.8	17,500	22.4	181.1	16,000	201
205										18.1	170.3	15,400	205
210										9.8	149.4	14,700	210
211										7.1	142.2	14,600	211

# MLC250 S-3

ASME B30.5



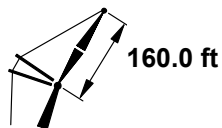
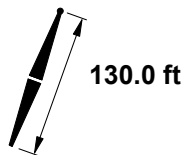
	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
52	75.9	292.9	62,100							52
55	74.8	292.1	61,600							55
60	72.9	290.6	60,600							60
62	72.2	289.9	60,000	73.9	291.1	71,500				62
65	71.0	288.9	59,100	72.8	290.1	71,300				65
70	69.1	287.1	58,100	70.9	288.4	70,400				70
75	67.2	285.0	57,200	69.0	286.6	67,200				75
77	66.4	284.1	56,600	68.2	285.7	65,900	70.8	287.6	69,400	77
80	65.2	282.8	55,700	67.0	284.5	64,000	69.6	286.5	68,600	80
85	63.2	280.3	52,400	65.0	282.2	61,100	67.7	284.5	65,600	85
90	61.2	277.6	49,300	63.0	279.7	58,300	65.7	282.3	62,600	90
91	60.8	277.0	48,700	62.6	279.2	57,800	65.3	281.8	62,100	91
95	59.1	274.7	46,300	61.0	277.0	55,800	63.8	279.9	59,800	95
100	57.0	271.5	43,500	58.9	274.1	52,500	61.7	277.2	57,100	100
105	54.8	268.1	40,800	56.8	270.9	49,400	59.7	274.4	54,400	105
110	52.6	264.3	38,200	54.6	267.4	46,300	57.6	271.3	51,200	110
115	50.3	260.3	35,800	52.4	263.7	43,500	55.4	267.9	48,300	115
120	47.9	255.9	33,600	50.1	259.6	40,900	53.2	264.3	45,600	120
125	45.4	251.1	31,600	47.7	255.1	38,400	50.9	260.3	43,200	125
130	42.8	245.9	29,800	45.2	250.3	36,000	48.5	256.0	41,000	130
135	40.1	240.1	28,200	42.6	245.0	33,800	46.1	251.3	38,900	135
138	38.4	236.3	27,300	40.9	241.5	32,700	44.5	248.2	37,800	138
140	37.2	233.8	26,700	39.8	239.2	31,900	43.5	246.2	37,000	140
145	34.1	226.7	25,300	36.9	232.8	30,000	40.8	240.6	35,300	145
150	30.7	218.6	24,100	33.8	225.6	28,500	38.0	234.4	33,600	150
155	27.0	209.4	23,100	30.4	217.5	27,100	34.9	227.5	32,100	155
160	22.6	198.3	22,300	26.6	208.1	25,800	31.6	219.7	30,700	160
165	17.2	184.1	21,700	22.1	196.8	24,800	28.0	210.8	29,300	165
170	9.0	161.9	20,900	16.6	182.2	24,000	23.8	200.3	28,000	170
171	6.2	153.9	19,800	14.9	177.4	23,400	22.8	197.7	27,800	171
175				7.8	158.2	21,000	18.8	187.2	26,800	175
176				4.1	147.8	19,600	17.3	183.4	26,100	176
180							11.7	168.2	23,500	180
183							2.3	142.0	19,900	183
185										185
189										189
190										190
195										195
200										200
205										205
210										210
211										211
215										215
220										220
221										221

# MLC250 S-3

ASME B30.5



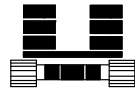
219,600 lb  
+  
80,000 lb



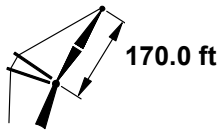
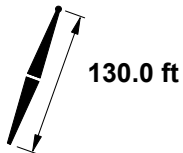
	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
52													52
55													55
60													60
62													62
65													65
70													70
75													75
77													77
80													80
85													85
90													90
91	68.0	283.7	63,000										91
95	66.4	281.9	59,600										95
100	64.4	279.6	55,700										100
105	62.4	277.0	52,300										105
110	60.4	274.3	49,100										110
115	58.3	271.3	46,300	62.8	274.9	43,100							115
120	56.1	268.0	43,700	60.8	272.2	40,600							120
125	54.0	264.4	41,400	58.7	269.2	38,400							125
130	51.7	260.6	39,300	56.6	266.0	36,400							130
135	49.4	256.4	37,300	54.4	262.5	34,500							135
138	47.9	253.6	36,200	53.1	260.2	33,500	57.8	264.2	30,900				138
140	46.9	251.8	35,400	52.2	258.7	32,800	56.9	262.9	30,300				140
145	44.4	246.9	33,700	49.8	254.6	31,200	54.7	259.5	28,800				145
150	41.8	241.4	32,200	47.4	250.1	29,700	52.5	255.7	27,400				150
155	39.0	235.4	30,700	44.9	245.3	28,300	50.2	251.7	26,100				155
160	36.0	228.8	29,300	42.3	239.9	27,000	47.8	247.2	24,800	52.7	251.5	22,700	160
165	32.8	221.4	28,000	39.6	234.1	25,800	45.3	242.4	23,700	50.4	247.5	21,600	165
170	29.3	212.9	26,800	36.6	227.6	24,700	42.7	237.2	22,600	48.0	243.1	20,600	170
171	28.5	210.9	26,600	36.0	226.1	24,500	42.2	236.0	22,400	47.5	242.1	20,400	171
175	25.3	203.0	25,600	33.5	220.3	23,600	40.0	231.4	21,600	45.5	238.3	19,700	175
176	24.4	200.6	25,400	32.8	218.7	23,400	39.4	230.1	21,400	45.0	237.3	19,500	176
180	20.6	190.9	24,500	30.0	212.1	22,600	37.1	225.0	20,700	42.9	233.1	18,800	180
183	17.0	181.2	23,900	27.7	206.4	22,000	35.2	220.7	20,100	41.3	229.7	18,300	183
185	14.5	174.7	23,500	26.2	202.6	21,600	34.0	217.9	19,800	40.2	227.4	17,900	185
189	6.2	151.8	22,100	22.6	193.3	20,900	31.2	211.4	19,100	37.9	222.3	17,300	189
190				21.7	191.0	20,700	30.6	209.8	18,900	37.3	221.0	17,100	190
195				16.0	176.0	19,800	26.8	200.5	18,100	34.2	214.0	16,400	195
200				6.3	149.4	18,900	22.4	189.3	17,300	30.9	206.0	15,700	200
205							17.0	175.0	16,600	27.1	196.8	15,000	205
210							8.5	152.0	15,800	22.8	185.8	14,300	210
211							5.4	143.2	15,600	21.7	183.0	14,200	211
215										17.5	171.8	13,700	215
220										9.5	150.2	13,000	220
221										6.8	142.8	12,900	221

# MLC250 S-3

ASME B30.5



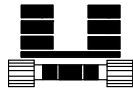
219,600 lb  
+  
80,000 lb



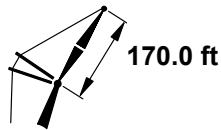
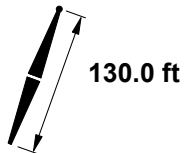
	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
55	75.7	302.5	56,600							55
60	74.0	301.1	55,800							60
65	72.2	299.5	55,000	73.8	300.6	64,800				65
70	70.4	297.8	54,100	72.0	299.0	64,500				70
75	68.6	295.8	52,900	70.2	297.3	64,300				75
80	66.8	293.7	52,100	68.4	295.3	62,300	70.9	297.1	62,700	80
85	64.9	291.5	50,500	66.6	293.2	59,600	69.1	295.3	62,700	85
90	63.0	289.0	47,700	64.8	290.9	56,700	67.3	293.2	61,100	90
95	61.1	286.3	45,000	62.9	288.4	53,800	65.4	291.0	58,400	95
100	59.2	283.4	42,400	61.0	285.7	51,000	63.5	288.5	55,900	100
105	57.2	280.2	40,000	59.0	282.8	48,200	61.6	285.9	53,500	105
110	55.2	276.8	37,600	57.0	279.6	45,400	59.7	283.0	50,900	110
115	53.1	273.1	35,400	55.0	276.1	42,800	57.7	280.0	47,900	115
120	50.9	269.1	33,300	52.9	272.4	40,300	55.7	276.6	45,300	120
125	48.7	264.9	31,300	50.7	268.4	38,000	53.6	273.0	42,900	125
130	46.4	260.2	29,600	48.5	264.1	35,900	51.5	269.1	40,600	130
135	44.0	255.2	27,900	46.2	259.4	33,800	49.3	264.9	38,600	135
140	41.5	249.7	26,400	43.8	254.3	31,700	47.0	260.4	36,700	140
143	39.9	246.0	25,500	42.2	251.0	30,700	45.6	257.4	35,600	143
145	38.8	243.6	25,000	41.2	248.8	29,900	44.6	255.4	34,900	145
150	36.0	237.0	23,800	38.6	242.7	28,300	42.1	250.0	33,300	150
155	33.0	229.6	22,700	35.8	236.0	26,900	39.5	244.2	31,800	155
160	29.8	221.3	21,700	32.7	228.6	25,500	36.8	237.7	30,300	160
165	26.1	211.7	20,800	29.4	220.1	24,300	33.8	230.5	29,000	165
166	25.3	209.4	20,700	28.7	218.2	24,100	33.2	228.9	28,800	166
170	21.9	200.2	20,200	25.7	210.4	23,300	30.6	222.5	27,700	170
175	16.7	185.6	19,800	21.5	198.7	22,400	27.1	213.2	26,500	175
180	8.8	162.6	18,400	16.1	183.6	21,800	23.1	202.3	25,300	180
181	6.0	154.4	17,400	14.4	178.7	21,100	22.1	199.6	24,900	181
185				7.6	158.8	18,500	18.2	188.7	23,700	185
186				3.9	148.1	17,300	16.8	184.8	23,100	186
190							11.4	169.2	20,800	190
193							2.2	142.2	17,600	193
195										195
199										199
200										200
205										205
210										210
215										215
220										220
221										221
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# MLC250 S-3

ASME B30.5



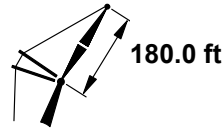
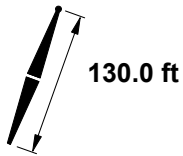
219,600 lb  
+  
80,000 lb



	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
55													55
60													60
65													65
70													70
75													75
80													80
85													85
90													90
95	67.9	292.8	59,200										95
100	66.0	290.7	55,300										100
105	64.2	288.3	51,900										105
110	62.3	285.7	48,800										110
115	60.4	282.9	45,900										115
120	58.4	279.9	43,400	62.7	283.6	40,200							120
125	56.4	276.7	41,000	60.8	280.9	38,000							125
130	54.3	273.2	38,900	58.8	277.9	36,000							130
135	52.2	269.4	36,900	56.8	274.7	34,100							135
140	50.0	265.3	35,100	54.8	271.3	32,400							140
143	48.7	262.6	34,100	53.5	269.0	31,500	57.9	272.9	28,900				143
145	47.8	260.8	33,400	52.6	267.5	30,800	57.1	271.6	28,300				145
150	45.4	256.0	31,800	50.5	263.5	29,300	55.1	268.2	26,900				150
155	43.0	250.8	30,300	48.2	259.1	28,000	53.0	264.5	25,600				155
160	40.5	245.1	29,000	45.9	254.4	26,700	50.8	260.5	24,400				160
165	37.8	238.9	27,700	43.5	249.3	25,500	48.6	256.2	23,300				165
166	37.2	237.5	27,400	43.0	248.2	25,200	48.1	255.3	23,100	52.7	259.5	21,000	166
170	34.9	232.0	26,500	41.0	243.7	24,300	46.3	251.6	22,200	51.0	256.3	20,200	170
175	31.8	224.2	25,300	38.3	237.6	23,300	43.9	246.5	21,200	48.8	252.1	19,300	175
180	28.4	215.4	24,200	35.5	230.8	22,200	41.4	241.0	20,300	46.5	247.4	18,400	180
181	27.6	213.4	24,000	34.9	229.3	22,100	40.8	239.8	20,100	46.0	246.4	18,200	181
185	24.5	205.2	23,200	32.4	223.3	21,300	38.7	234.9	19,400	44.1	242.4	17,500	185
186	23.6	202.7	23,000	31.8	221.5	21,100	38.2	233.6	19,200	43.6	241.3	17,400	186
190	20.0	192.7	22,200	29.1	214.7	20,400	35.9	228.3	18,500	41.6	236.9	16,700	190
193	16.4	182.6	21,700	26.8	208.8	19,900	34.1	223.8	18,100	40.0	233.3	16,300	193
195	14.1	175.9	21,300	25.4	204.8	19,500	32.9	220.9	17,700	39.0	230.9	16,000	195
199	6.0	152.2	19,600	21.9	195.2	18,900	30.3	214.1	17,100	36.7	225.6	15,400	199
200				21.0	192.9	18,700	29.6	212.5	17,000	36.2	224.3	15,300	200
205				15.5	177.3	17,900	26.0	202.8	16,200	33.2	217.0	14,600	205
210				6.1	149.9	17,100	21.7	191.3	15,500	29.9	208.7	13,900	210
215							16.4	176.4	14,800	26.3	199.1	13,300	215
220							8.3	152.7	14,200	22.1	187.8	12,700	220
221							5.2	143.6	14,000	21.0	184.9	12,600	221
225										16.9	173.3	12,100	225
230										9.2	151.0	11,500	230
231										6.6	143.3	11,400	231

# MLC250 S-3

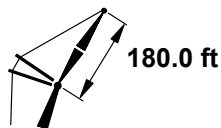
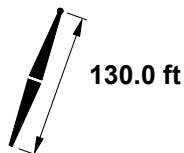
ASME B30.5



	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
57	75.9	312.3	51,400							57
60	74.9	311.5	51,000							60
65	73.2	310.0	50,300							65
68	72.2	309.0	49,900	73.7	310.1	58,400				68
70	71.5	308.4	49,600	73.1	309.5	58,300				70
75	69.9	306.6	48,900	71.4	307.9	58,000				75
80	68.1	304.6	48,200	69.7	306.1	57,700				80
83	67.1	303.3	47,600	68.7	304.9	57,100	71.0	306.7	56,300	83
85	66.4	302.5	47,200	68.0	304.1	56,700	70.3	306.0	56,300	85
90	64.7	300.2	46,300	66.3	301.9	54,300	68.6	304.0	56,200	90
95	62.9	297.6	43,800	64.5	299.6	51,900	66.9	302.0	56,200	95
99	61.4	295.5	41,900	63.1	297.6	49,900	65.5	300.1	54,600	99
100	61.1	294.9	41,500	62.7	297.1	49,400	65.1	299.7	54,200	100
105	59.2	292.0	39,200	60.9	294.4	47,000	63.3	297.2	52,000	105
110	57.3	288.9	37,100	59.1	291.4	44,600	61.5	294.6	49,900	110
115	55.4	285.5	35,000	57.2	288.3	42,200	59.7	291.7	47,500	115
120	53.5	281.9	33,000	55.2	284.9	39,900	57.8	288.6	44,800	120
124	51.8	278.8	31,600	53.7	281.9	38,200	56.3	286.0	42,900	124
125	51.4	278.0	31,200	53.3	281.2	37,700	55.9	285.3	42,400	125
130	49.4	273.8	29,400	51.2	277.3	35,600	54.0	281.8	40,200	130
135	47.2	269.3	27,800	49.2	273.0	33,800	52.0	277.9	38,100	135
140	45.0	264.4	26,300	47.0	268.5	31,900	49.9	273.8	36,200	140
145	42.7	259.1	24,900	44.8	263.6	30,200	47.8	269.4	34,500	145
148	41.2	255.6	24,200	43.4	260.4	29,100	46.5	266.5	33,500	148
150	40.3	253.3	23,600	42.5	258.3	28,500	45.6	264.6	32,900	150
155	37.7	247.1	22,500	40.0	252.5	26,900	43.3	259.4	31,300	155
160	35.0	240.2	21,400	37.5	246.1	25,600	40.9	253.8	29,900	160
165	32.1	232.5	20,500	34.7	239.2	24,300	38.4	247.7	28,600	165
170	28.9	223.9	19,700	31.8	231.4	23,100	35.7	240.9	27,300	170
172	27.5	219.9	19,400	30.5	227.9	22,800	34.6	238.0	26,900	172
175	25.4	213.9	19,000	28.6	222.7	22,200	32.9	233.5	26,200	175
180	21.3	202.1	18,400	25.0	212.6	21,300	29.8	225.1	24,900	180
185	16.2	187.0	18,100	20.8	200.5	20,500	26.3	215.6	23,600	185
190	8.5	163.4	16,100	15.6	185.0	19,400	22.4	204.3	22,500	190
191	5.8	154.9	15,200	13.7	178.9	18,700	21.3	200.9	22,100	191
196				3.8	148.4	15,100	15.6	183.8	20,000	196
200							11.0	170.1	18,300	200
203							2.1	142.3	15,400	203
209										209
210										210
220										220
230										230
231										231
240										240
241										241

# MLC250 S-3

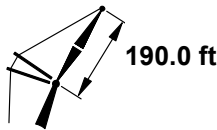
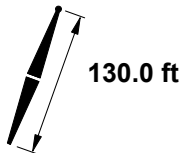
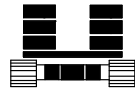
ASME B30.5



	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
57													57
60													60
65													65
68													68
70													70
75													75
80													80
83													83
85													85
90													90
95													95
99	67.8	302.0	55,500										99
100	67.5	301.6	54,800										100
105	65.7	299.4	51,400										105
110	64.0	297.0	48,300										110
115	62.2	294.4	45,400										115
120	60.3	291.6	42,900										120
124	58.9	289.2	41,000	62.9	292.8	37,900							124
125	58.5	288.6	40,500	62.5	292.3	37,500							125
130	56.6	285.4	38,400	60.7	289.5	35,500							130
135	54.6	281.9	36,400	58.9	286.6	33,600							135
140	52.7	278.1	34,600	57.0	283.4	31,900							140
145	50.6	274.1	32,900	55.1	280.0	30,300							145
148	49.4	271.5	32,000	53.9	277.8	29,400	58.0	281.6	26,900				148
150	48.5	269.8	31,300	53.1	276.3	28,800	57.3	280.3	26,400				150
155	46.3	265.1	29,900	51.0	272.3	27,500	55.3	276.9	25,100				155
160	44.1	260.1	28,500	49.0	268.1	26,200	53.4	273.3	23,900				160
165	41.7	254.6	27,200	46.8	263.5	25,000	51.4	269.4	22,700				165
170	39.3	248.7	26,000	44.6	258.5	23,800	49.3	265.1	21,700				170
172	38.2	246.1	25,600	43.6	256.4	23,400	48.4	263.3	21,300	52.7	267.5	19,200	172
175	36.6	242.2	24,900	42.2	253.2	22,800	47.1	260.6	20,700	51.5	265.2	18,700	175
180	33.9	235.0	23,800	39.8	247.3	21,800	44.9	255.7	19,800	49.4	261.0	17,800	180
185	30.8	227.0	22,800	37.2	240.9	20,800	42.6	250.4	18,900	47.3	256.5	17,000	185
190	27.5	217.9	21,800	34.4	233.9	19,900	40.2	244.6	18,000	45.1	251.6	16,200	190
191	26.7	215.5	21,700	33.8	232.2	19,700	39.6	243.3	17,900	44.6	250.5	16,000	191
196	22.7	203.8	20,800	30.7	223.9	18,900	37.0	236.7	17,100	42.2	245.0	15,300	196
200	19.4	194.4	20,000	28.2	217.2	18,200	34.9	231.4	16,500	40.4	240.6	14,700	200
203	14.9	180.5	19,100	25.9	210.4	17,800	33.0	226.5	16,000	38.8	236.7	14,300	203
209	5.8	152.7	17,300	21.2	196.9	16,900	29.4	216.7	15,200	35.6	228.8	13,500	209
210				20.4	194.7	16,700	28.8	215.0	15,100	35.1	227.5	13,400	210
220				5.9	150.4	15,300	21.1	193.1	13,800	29.0	211.3	12,200	220
230							8.0	153.4	12,500	21.4	189.6	11,100	230
231							5.0	144.0	12,400	20.2	185.8	11,000	231
240										8.9	151.7	10,000	240
241										6.4	143.9	9,900	241

# MLC250 S-3

ASME B30.5



	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
59	76.0	322.1	46,800							59
60	75.7	321.8	46,800							60
65	74.1	320.4	46,300							65
70	72.6	318.9	45,700	74.0	320.0	53,000				70
75	71.0	317.2	45,100	72.4	318.4	52,700				75
80	69.4	315.4	44,500	70.8	316.7	52,400				80
85	67.7	313.4	43,900	69.2	314.9	52,100				85
87	67.1	312.5	43,500	68.5	314.1	51,900	70.7	315.9	50,800	87
90	66.1	311.2	43,000	67.6	312.8	51,500	69.8	314.8	50,800	90
95	64.4	308.8	42,100	65.9	310.7	49,500	68.2	312.8	50,700	95
100	62.7	306.3	40,000	64.3	308.3	47,400	66.5	310.7	50,600	100
103	61.7	304.7	38,800	63.2	306.8	46,100	65.5	309.3	50,500	103
105	61.0	303.6	38,000	62.6	305.7	45,300	64.9	308.4	50,500	105
110	59.3	300.7	36,000	60.9	303.0	43,200	63.2	305.9	48,600	110
115	57.5	297.6	34,100	59.1	300.1	41,000	61.5	303.2	46,700	115
120	55.7	294.2	32,400	57.3	296.9	39,000	59.7	300.4	44,600	120
125	53.8	290.6	30,700	55.5	293.6	37,100	58.0	297.3	42,200	125
129	52.3	287.5	29,400	54.0	290.7	35,400	56.5	294.7	40,400	129
130	51.9	286.8	29,100	53.6	290.0	35,000	56.1	294.0	40,000	130
135	50.0	282.7	27,600	51.7	286.1	33,200	54.3	290.5	37,900	135
140	48.0	278.3	26,000	49.8	281.9	31,500	52.4	286.7	36,000	140
145	45.9	273.5	24,700	47.8	277.5	29,900	50.5	282.7	34,300	145
150	43.7	268.4	23,400	45.7	272.7	28,300	48.5	278.3	32,600	150
154	41.9	264.0	22,500	43.9	268.6	27,100	46.8	274.6	31,400	154
155	41.5	262.9	22,300	43.5	267.6	26,800	46.4	273.7	31,100	155
160	39.1	256.9	21,200	41.3	262.0	25,500	44.3	268.7	29,700	160
165	36.7	250.4	20,300	38.9	256.0	24,200	42.1	263.3	28,400	165
170	34.0	243.2	19,400	36.4	249.4	23,000	39.7	257.4	27,100	170
175	31.2	235.3	18,600	33.8	242.2	22,000	37.3	251.1	25,900	175
178	29.3	229.9	18,200	32.1	237.4	21,400	35.7	246.9	25,100	178
180	28.1	226.4	17,900	30.9	234.2	21,000	34.7	244.1	24,600	180
185	24.7	216.1	17,300	27.8	225.2	20,200	31.9	236.4	23,300	185
190	20.7	203.9	16,800	24.3	214.7	19,400	28.9	227.7	22,200	190
200	8.3	164.0	14,200	15.2	186.3	17,200	21.8	206.2	20,000	200
201	5.6	155.3	13,300	13.3	180.0	16,500	20.7	202.7	19,700	201
206				3.7	148.7	13,200	15.1	185.1	17,800	206
210							10.7	171.0	16,200	210
213							2.1	142.5	13,500	213
219										219
220										220
230										230
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241										241
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251										251

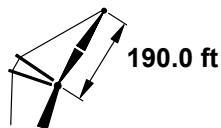
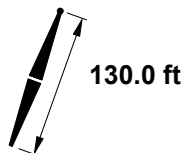


# MLC250 S-3

ASME B30.5



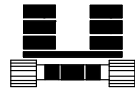
219,600 lb  
+  
80,000 lb



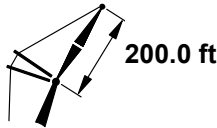
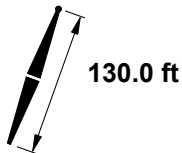
	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
59													59
60													60
65													65
70													70
75													75
80													80
85													85
87													87
90													90
95													95
100													100
103	67.7	311.2	52,500										103
105	67.1	310.3	51,100										105
110	65.4	308.1	48,000										110
115	63.7	305.6	45,200										115
120	62.0	303.0	42,700										120
125	60.3	300.2	40,300										125
129	58.9	297.8	38,600	62.7	301.5	35,600							129
130	58.6	297.3	38,200	62.4	301.0	35,200							130
135	56.8	294.0	36,200	60.7	298.2	33,400							135
140	54.9	290.6	34,400	58.9	295.2	31,700							140
145	53.1	286.9	32,700	57.1	292.1	30,100							145
150	51.1	283.0	31,100	55.3	288.7	28,600							150
154	49.6	279.6	29,900	53.8	285.8	27,500	57.8	289.6	25,100				154
155	49.2	278.7	29,700	53.5	285.0	27,200	57.4	289.0	24,900				155
160	47.1	274.2	28,300	51.5	281.2	25,900	55.6	285.6	23,700				160
165	45.0	269.3	27,000	49.6	277.0	24,700	53.7	282.0	22,500				165
170	42.8	264.1	25,800	47.6	272.5	23,600	51.8	278.2	21,500				170
175	40.6	258.4	24,700	45.5	267.7	22,600	49.9	274.0	20,500				175
178	39.1	254.6	24,000	44.2	264.6	22,000	48.7	271.4	19,900	52.8	275.5	17,900	178
180	38.2	252.2	23,600	43.3	262.5	21,600	47.9	269.6	19,500	52.0	274.0	17,600	180
185	35.6	245.4	22,600	41.0	256.9	20,600	45.8	264.9	18,700	50.0	269.9	16,700	185
190	32.9	238.0	21,600	38.7	250.8	19,700	43.6	259.7	17,800	48.0	265.5	16,000	190
200	26.8	220.3	19,900	33.5	236.9	18,100	39.0	248.2	16,300	43.8	255.6	14,500	200
201	26.0	217.8	19,700	32.9	235.2	17,900	38.5	246.8	16,100	43.3	254.5	14,400	201
206	22.0	205.7	18,900	29.9	226.6	17,200	35.9	240.0	15,400	41.1	248.8	13,700	206
210	18.9	196.0	18,300	27.5	219.7	16,600	33.9	234.5	14,900	39.2	244.2	13,200	210
213	14.5	181.7	17,300	25.2	212.7	16,100	32.1	229.4	14,500	37.7	240.1	12,900	213
219	5.6	153.2	15,300	20.6	198.7	15,300	28.6	219.2	13,700	34.6	231.9	12,100	219
220				19.8	196.4	15,200	28.0	217.5	13,600	34.1	230.6	12,000	220
230				5.7	150.9	13,800	20.5	194.9	12,400	28.2	213.8	10,900	230
240							7.8	154.0	11,300	20.9	191.5	9,900	240
241							4.9	144.4	11,100	19.6	187.6	9,800	241
250										8.7	152.4	8,900	250
251										6.2	144.4	8,800	251

# MLC250 S-3

ASME B30.5



219,600 lb  
+  
80,000 lb



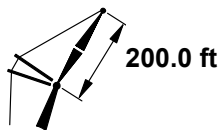
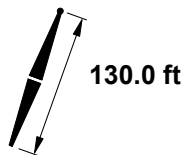
ft	88°			86°			83°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
62	75.8	331.6	42,500							62
65	74.9	330.8	42,300							65
70	73.5	329.4	42,000							70
73	72.5	328.4	41,700	73.9	329.5	48,100				73
75	71.9	327.8	41,500	73.3	328.9	47,900				75
80	70.4	326.0	40,900	71.8	327.3	47,600				80
85	68.9	324.2	40,400	70.3	325.6	47,300				85
90	67.4	322.1	39,700	68.8	323.6	47,000	70.8	325.4	45,900	90
95	65.8	319.9	39,400	67.2	321.6	46,700	69.3	323.6	45,800	95
100	64.2	317.5	38,500	65.6	319.4	45,100	67.8	321.6	45,600	100
105	62.6	315.0	36,700	64.1	317.0	43,300	66.2	319.4	45,500	105
106	62.3	314.4	36,400	63.7	316.5	42,900	65.9	318.9	45,500	106
110	61.0	312.3	34,900	62.4	314.4	41,500	64.6	317.1	45,300	110
115	59.3	309.3	33,200	60.8	311.7	39,600	63.0	314.6	45,200	115
120	57.6	306.2	31,500	59.1	308.7	37,900	61.4	311.9	43,600	120
125	55.9	302.9	30,000	57.5	305.6	36,000	59.7	309.0	41,700	125
130	54.1	299.4	28,500	55.7	302.3	34,300	58.1	306.0	39,500	130
133	53.1	297.1	27,600	54.7	300.1	33,300	57.0	304.0	38,300	133
135	52.3	295.6	27,100	54.0	298.7	32,600	56.3	302.7	37,500	135
140	50.5	291.5	25,700	52.2	294.9	31,000	54.6	299.2	35,600	140
145	48.6	287.2	24,400	50.3	290.8	29,500	52.8	295.5	33,800	145
150	46.7	282.6	23,100	48.4	286.5	28,000	51.0	291.5	32,200	150
155	44.6	277.6	22,000	46.5	281.8	26,700	49.1	287.3	30,700	155
159	43.0	273.4	21,200	44.9	277.8	25,600	47.6	283.6	29,600	159
160	42.6	272.3	21,000	44.5	276.8	25,300	47.2	282.7	29,300	160
165	40.4	266.6	20,000	42.4	271.5	24,000	45.2	277.9	28,000	165
170	38.1	260.4	19,100	40.2	265.7	22,800	43.1	272.6	26,700	170
175	35.7	253.6	18,200	37.9	259.5	21,800	40.9	267.0	25,400	175
180	33.1	246.2	17,500	35.4	252.6	20,800	38.7	260.9	24,000	180
184	30.9	239.7	17,000	33.4	246.7	20,100	36.8	255.7	23,000	184
185	30.4	238.0	16,900	32.9	245.2	19,900	36.3	254.3	22,800	185
190	27.4	228.8	16,200	30.1	236.9	19,100	33.8	247.1	21,600	190
200	20.1	205.7	15,300	23.7	216.8	17,800	28.2	230.2	19,500	200
210	8.0	164.7	12,100	14.8	187.6	14,900	21.2	208.1	17,600	210
211	5.5	155.8	11,400	12.9	181.1	14,300	20.1	204.5	17,300	211
216				3.6	149.0	11,300	14.7	186.4	15,500	216
220							10.4	171.9	14,100	220
223							2.0	142.6	11,600	223
229										229
230										230
240										240
250										250
251										251
260										260
261										261

# MLC250 S-3

ASME B30.5



219,600 lb  
+  
80,000 lb



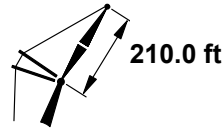
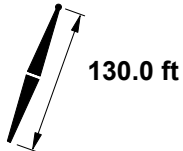
	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
62													62
65													65
70													70
73													73
75													75
80													80
85													85
90													90
95													95
100													100
105													105
106	68.0	320.7	48,100										106
110	66.7	319.0	47,500										110
115	65.2	316.8	44,700										115
120	63.6	314.3	42,200										120
125	61.9	311.7	39,800										125
130	60.3	308.9	37,700										130
133	59.3	307.1	36,500	62.9	310.7	33,600							133
135	58.6	305.9	35,700	62.3	309.6	32,800							135
140	56.9	302.7	33,900	60.6	306.9	31,100							140
145	55.2	299.3	32,200	59.0	303.9	29,600							145
150	53.4	295.7	30,700	57.3	300.8	28,100							150
155	51.6	291.8	29,200	55.6	297.4	26,700							155
159	50.1	288.5	28,100	54.1	294.5	25,700	57.9	298.3	23,300				159
160	49.8	287.6	27,800	53.8	293.8	25,400	57.5	297.6	23,100				160
165	47.8	283.2	26,600	52.0	290.0	24,200	55.8	294.3	22,000				165
170	45.9	278.4	25,400	50.1	285.9	23,100	54.1	290.8	20,900				170
175	43.8	273.4	24,200	48.2	281.5	22,100	52.3	287.0	19,900				175
180	41.7	267.9	23,200	46.3	276.8	21,100	50.4	282.9	19,000				180
184	39.9	263.1	22,400	44.6	272.8	20,300	48.9	279.4	18,300	52.8	283.5	16,300	184
185	39.5	262.0	22,200	44.2	271.8	20,100	48.5	278.6	18,100	52.4	282.8	16,200	185
190	37.1	255.5	21,200	42.1	266.4	19,200	46.6	273.9	17,300	50.6	278.7	15,400	190
200	32.1	240.8	19,500	37.6	254.3	17,600	42.5	263.6	15,800	46.7	269.8	14,000	200
210	26.1	222.6	17,900	32.6	239.9	16,100	38.0	251.7	14,400	42.6	259.6	12,700	210
211	25.3	220.1	17,700	32.0	238.1	16,000	37.5	250.2	14,200	42.2	258.4	12,600	211
216	21.5	207.6	17,000	29.1	229.2	15,300	35.0	243.1	13,600	40.0	252.4	12,000	216
220	18.4	197.6	16,400	26.8	222.0	14,700	33.0	237.4	13,100	38.2	247.7	11,500	220
223	14.1	183.0	15,300	24.5	214.8	14,400	31.3	232.2	12,800	36.7	243.4	11,200	223
229	5.5	153.6	13,200	20.1	200.5	13,600	27.8	221.7	12,100	33.7	235.0	10,500	229
230				19.3	198.1	13,500	27.2	219.9	11,900	33.2	233.5	10,400	230
240				5.6	151.3	12,300	20.0	196.6	10,900	27.5	216.2	9,400	240
250							7.6	154.7	9,800	20.3	193.2	8,300	250
251							4.7	144.8	9,700	19.1	189.2	8,200	251
260										8.5	153.2	7,300	260
261										6.1	144.9	7,200	261

# MLC250 S-3

ASME B30.5



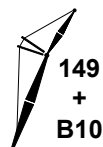
219,600 lb  
+  
80,000 lb



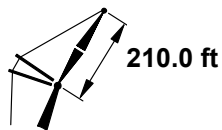
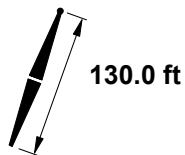
	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
64	76.0	341.4	38,700							64
65	75.7	341.2	38,700							65
70	74.3	339.8	38,300							70
75	72.8	338.3	38,000							75
76	72.5	338.0	37,900	73.8	339.1	43,600				76
80	71.4	336.6	37,700	72.7	337.8	43,400				80
85	70.0	334.9	37,300	71.3	336.2	43,100				85
90	68.5	332.9	36,800	69.8	334.4	42,800				90
93	67.6	331.7	36,500	68.9	333.2	42,600	70.9	335.0	41,500	93
95	67.0	330.8	36,300	68.4	332.4	42,400	70.3	334.2	41,500	95
100	65.5	328.6	35,700	66.9	330.3	42,100	68.9	332.4	41,300	100
105	64.0	326.2	35,300	65.4	328.1	41,300	67.4	330.3	41,100	105
110	62.5	323.7	33,700	63.9	325.7	39,700	65.9	328.1	41,000	110
115	60.9	320.9	32,200	62.3	323.1	38,200	64.4	325.8	40,800	115
120	59.3	318.0	30,700	60.8	320.3	36,500	62.9	323.2	40,600	120
125	57.7	314.9	29,200	59.2	317.4	35,000	61.3	320.6	40,400	125
130	56.1	311.6	27,800	57.6	314.3	33,400	59.8	317.7	39,100	130
135	54.4	308.1	26,600	55.9	311.0	31,900	58.2	314.6	37,100	135
138	53.4	305.8	25,800	54.9	308.8	31,000	57.2	312.7	36,000	138
140	52.7	304.4	25,300	54.3	307.4	30,400	56.5	311.4	35,200	140
145	51.0	300.4	24,100	52.6	303.7	29,000	54.9	307.9	33,500	145
150	49.2	296.1	22,900	50.8	299.7	27,600	53.2	304.3	31,800	150
155	47.4	291.6	21,700	49.0	295.4	26,300	51.4	300.3	30,300	155
160	45.5	286.8	20,700	47.2	290.9	25,100	49.7	296.2	28,900	160
164	43.9	282.7	20,000	45.7	287.0	24,200	48.2	292.6	27,900	164
165	43.5	281.7	19,800	45.3	286.0	23,900	47.8	291.7	27,600	165
170	41.5	276.1	18,900	43.3	280.8	22,800	46.0	287.0	26,300	170
175	39.4	270.2	18,100	41.3	275.3	21,700	44.0	281.9	24,900	175
180	37.1	263.7	17,300	39.1	269.3	20,700	42.0	276.5	23,600	180
185	34.8	256.8	16,600	36.9	262.8	19,800	39.9	270.7	22,300	185
190	32.3	249.1	15,900	34.6	255.8	18,900	37.7	264.4	21,200	190
200	26.7	231.2	14,900	29.3	235.5	17,500	33.0	250.1	19,000	200
210	19.6	207.4	14,100	23.1	218.9	16,000	27.5	232.7	17,100	210
220	7.8	165.4	10,300	14.4	188.8	12,900	20.7	209.9	15,400	220
221	5.3	156.2	9,600	12.6	182.2	12,400	19.6	206.2	15,100	221
226				3.5	149.2	9,600	14.4	187.6	13,500	226
230							10.2	172.8	12,100	230
233							1.9	142.7	9,800	233
239										239
240										240
250										250
260										260
261										261
270										270
271										271

# MLC250 S-3

ASME B30.5



219,600 lb  
+  
80,000 lb



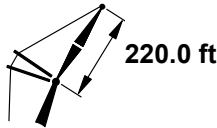
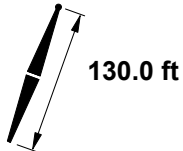
	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
64													64
65													65
70													70
75													75
76													76
80													80
85													85
90													90
93													93
95													95
100													100
105													105
110	67.9	329.9	43,400										110
115	66.4	327.8	43,400										115
120	64.9	325.5	41,800										120
125	63.4	323.0	39,400										125
130	61.9	320.4	37,300										130
135	60.3	317.6	35,300										135
138	59.3	315.8	34,200	62.8	319.3	31,400							138
140	58.7	314.6	33,500	62.2	318.3	30,700							140
145	57.1	311.4	31,800	60.6	315.5	29,100							145
150	55.4	308.0	30,300	59.0	312.6	27,700							150
155	53.8	304.4	28,800	57.4	309.4	26,300							155
160	52.0	300.6	27,500	55.8	306.1	25,000							160
164	50.6	297.3	26,400	54.4	303.2	24,100	58.0	307.0	21,800				164
165	50.3	296.5	26,200	54.1	302.5	23,800	57.7	306.3	21,600				165
170	48.5	292.2	25,000	52.4	298.7	22,700	56.0	303.0	20,500				170
175	46.6	287.5	23,900	50.6	294.7	21,700	54.4	299.5	19,500				175
180	44.7	282.6	22,800	48.8	290.4	20,700	52.7	295.7	18,600				180
185	42.7	277.3	21,800	47.0	285.9	19,700	50.9	291.8	17,700				185
190	40.6	271.6	20,900	45.1	281.0	18,900	49.1	287.5	16,900	52.8	291.5	15,000	190
200	36.2	258.8	19,100	41.1	270.2	17,200	45.4	278.1	15,400	49.3	283.3	13,600	200
210	31.3	243.6	17,500	36.7	257.6	15,700	41.4	267.4	14,000	45.5	274.0	12,300	210
220	25.4	224.8	16,100	31.8	242.7	14,400	37.0	255.0	12,700	41.6	263.4	11,100	220
221	24.7	222.3	15,900	31.2	240.9	14,300	36.5	253.5	12,600	41.1	262.1	11,000	221
226	20.9	209.4	15,300	28.4	231.7	13,600	34.1	246.2	12,000	38.9	256.0	10,400	226
230	17.9	199.2	14,800	26.1	224.3	13,200	32.2	240.3	11,600	37.2	251.0	9,900	230
233	13.7	184.2	13,600	23.9	217.0	12,800	30.5	234.9	11,300	35.8	246.7	9,600	233
239	5.3	154.1	11,400	19.6	202.2	12,100	27.1	224.1	10,600	32.9	237.9	8,900	239
240				18.8	199.7	12,000	26.6	222.3	10,500	32.4	236.5	8,800	240
250				5.4	151.8	10,900	19.5	198.4	9,500	26.8	218.6	7,800	250
260							7.4	155.3	8,600	19.8	195.0	6,800	260
261							4.6	145.2	8,400	18.6	190.9	6,700	261
270										8.2	153.9	5,900	270
271										5.9	145.4	5,800	271

# MLC250 S-3

ASME B30.5



219,600 lb  
+  
80,000 lb



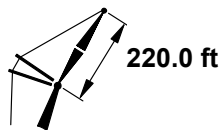
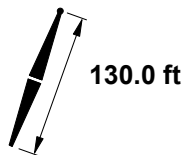
	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
67	75.8	351.0	35,200							67
70	75.0	350.2	35,000							70
75	73.6	348.8	34,700							75
79	72.5	347.5	34,400	73.8	348.6	39,500				79
80	72.3	347.2	34,300	73.5	348.3	39,500				80
85	70.9	345.5	34,000	72.1	346.7	39,200				85
90	69.5	343.7	33,800	70.8	345.0	38,800				90
95	68.1	341.7	33,400	69.4	343.2	38,500				95
96	67.8	341.3	33,300	69.1	342.8	38,500	71.0	344.5	37,500	96
100	66.7	339.6	32,900	68.0	341.2	38,200	69.9	343.1	37,400	100
105	65.3	337.3	32,500	66.6	339.0	37,900	68.5	341.1	37,200	105
110	63.8	334.9	32,100	65.1	336.8	37,600	67.1	339.0	37,000	110
114	62.7	332.8	31,200	64.0	334.8	36,600	65.9	337.3	36,800	114
115	62.4	332.3	31,000	63.7	334.3	36,400	65.6	336.8	36,800	115
120	60.9	329.6	29,600	62.2	331.8	35,000	64.2	334.4	36,600	120
125	59.4	326.7	28,400	60.7	329.0	33,700	62.7	331.9	36,400	125
130	57.8	323.6	27,000	59.2	326.1	32,400	61.3	329.2	36,100	130
135	56.3	320.3	25,800	57.7	323.0	31,000	59.8	326.4	35,900	135
140	54.7	316.8	24,700	56.1	319.7	29,600	58.2	323.3	34,800	140
142	54.0	315.3	24,200	55.5	318.3	29,100	57.6	322.0	34,100	142
145	53.1	313.1	23,600	54.5	316.2	28,300	56.7	320.1	33,000	145
150	51.4	309.2	22,500	52.9	312.4	27,100	55.1	316.6	31,400	150
155	49.7	305.0	21,500	51.3	308.5	25,800	53.5	313.0	29,900	155
160	48.0	300.6	20,500	49.6	304.3	24,700	51.9	309.1	28,500	160
165	46.2	295.9	19,500	47.8	299.9	23,600	50.2	305.0	27,200	165
170	44.4	290.9	18,600	46.0	295.1	22,600	48.4	300.7	25,800	170
175	42.5	285.6	17,800	44.2	290.1	21,500	46.7	296.1	24,400	175
180	40.5	279.8	17,000	42.3	284.7	20,600	44.8	291.1	23,000	180
185	38.4	273.7	16,300	40.3	278.9	19,600	42.9	285.9	21,800	185
190	36.2	267.0	15,700	38.2	272.7	18,800	41.0	280.3	20,600	190
195	34.0	259.8	15,100	36.0	266.1	18,000	38.9	274.2	19,500	195
196	33.5	258.2	15,000	35.6	264.6	17,900	38.5	272.9	19,300	196
200	31.5	251.9	14,500	33.7	258.8	17,200	36.8	267.7	18,500	200
210	26.1	233.5	13,600	28.7	242.1	15,400	32.2	253.0	16,600	210
220	19.2	209.1	12,000	22.5	220.9	13,200	26.8	235.0	14,900	220
230	7.7	166.0	8,600	14.1	190.1	11,000	20.2	211.7	12,900	230
231	5.2	156.6	7,900	12.3	183.3	10,400	19.2	207.9	12,700	231
236				3.4	149.5	7,900	14.0	188.8	11,300	236
240							9.9	173.6	10,300	240
243							1.9	142.9	8,100	243
249										249
250										250
260										260
270										270
271										271

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ASME B30.5



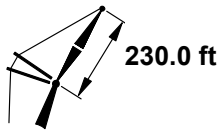
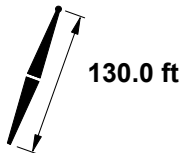
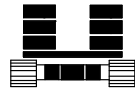
219,600 lb  
+  
80,000 lb



	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
67													67
70													70
75													75
79													79
80													80
85													85
90													90
95													95
96													96
100													100
105													105
110													110
114	67.8	339.1	39,100										114
115	67.6	338.7	39,100										115
120	66.1	336.5	39,000										120
125	64.7	334.2	38,900										125
130	63.2	331.7	36,800										130
135	61.8	329.0	34,900										135
140	60.3	326.2	33,000										140
142	59.7	325.0	32,400	63.0	328.5	29,500							142
145	58.8	323.2	31,400	62.1	326.9	28,600							145
150	57.2	320.1	29,800	60.6	324.2	27,200							150
155	55.7	316.7	28,300	59.1	321.2	25,800							155
160	54.1	313.2	27,000	57.5	318.1	24,500							160
165	52.4	309.4	25,700	56.0	314.8	23,300							165
170	50.8	305.4	24,500	54.4	311.3	22,200	57.8	315.0	20,000				170
175	49.0	301.1	23,400	52.8	307.5	21,200	56.2	311.7	19,000				175
180	47.3	296.6	22,300	51.1	303.6	20,200	54.6	308.2	18,100				180
185	45.5	291.7	21,300	49.4	299.3	19,200	53.0	304.5	17,200				185
190	43.6	286.6	20,400	47.6	294.9	18,400	51.4	300.6	16,400				190
195	41.7	281.1	19,500	45.8	290.1	17,500	49.7	296.4	15,600				195
196	41.3	279.9	19,300	45.5	289.1	17,400	49.3	295.5	15,400	52.8	299.5	13,500	196
200	39.7	275.2	18,700	44.0	285.0	16,700	47.9	292.0	14,800	51.5	296.4	13,000	200
210	35.3	262.0	17,100	40.1	273.8	15,300	44.3	282.2	13,500	48.1	287.8	11,600	210
220	30.5	246.4	15,700	35.8	260.8	13,900	40.4	271.1	12,200	44.4	278.1	10,300	220
230	24.8	227.0	14,300	31.0	245.5	12,700	36.1	258.3	11,100	40.5	267.1	9,200	230
231	24.1	224.4	14,100	30.5	243.6	12,600	35.7	256.8	11,000	40.1	265.8	9,000	231
236	20.4	211.2	13,200	27.7	234.2	12,000	33.3	249.2	10,400	38.0	259.4	8,500	236
240	17.5	200.7	12,500	25.5	226.6	11,600	31.4	243.1	10,000	36.3	254.3	8,100	240
243	13.4	185.3	11,500	23.3	219.0	11,300	29.8	237.6	9,700	34.9	249.8	7,800	243
249	5.2	154.5	9,600	19.1	203.9	10,600	26.5	226.5	9,100	32.1	240.8	7,200	249
250				18.4	201.3	10,500	25.9	224.6	9,000	31.6	239.3	7,100	250
260				5.3	152.2	9,500	19.0	200.0	8,000	26.2	220.9	6,100	260
270							7.2	155.9	7,000	19.3	196.7	5,300	270
271							4.5	145.6	6,800				271

# MLC250 S-3

ASME B30.5

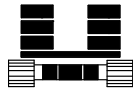


ft	88°			86°			83°			ft
	ft	lb	ft	ft	lb	ft	ft	lb	ft	
69	75.9	360.8	32,600							69
70	75.7	360.5	32,500							70
75	74.4	359.2	32,200							75
80	73.1	357.7	32,000							80
81	72.8	357.4	31,900	74.0	358.4	36,800				81
85	71.8	356.1	31,600	73.0	357.2	36,600				85
90	70.4	354.3	31,200	71.6	355.6	36,400				90
95	69.1	352.5	30,800	70.3	353.8	36,100				95
100	67.8	350.4	30,400	69.0	352.0	35,800	70.8	353.7	35,200	100
105	66.4	348.3	30,000	67.6	349.9	35,500	69.5	351.9	35,100	105
110	65.0	346.0	29,600	66.3	347.8	35,300	68.1	349.9	34,900	110
115	63.7	343.6	29,300	64.9	345.5	34,200	66.8	347.8	34,800	115
117	63.1	342.5	28,800	64.4	344.5	33,700	66.2	346.9	34,700	117
120	62.3	341.0	28,100	63.5	343.0	33,100	65.4	345.5	34,600	120
125	60.8	338.2	27,000	62.1	340.4	31,900	64.0	343.1	34,400	125
130	59.4	335.3	25,800	60.7	337.7	30,600	62.6	340.6	34,200	130
135	57.9	332.2	24,700	59.3	334.7	29,500	61.2	337.9	34,000	135
140	56.4	329.0	23,600	57.8	331.6	28,300	59.8	335.0	33,800	140
145	54.9	325.5	22,600	56.3	328.3	27,100	58.3	332.0	32,700	145
147	54.3	324.1	22,200	55.7	327.0	26,700	57.7	330.7	32,100	147
150	53.4	321.9	21,600	54.8	324.9	26,000	56.8	328.8	31,100	150
155	51.8	318.0	20,600	53.2	321.2	24,800	55.3	325.4	29,600	155
160	50.2	313.9	19,700	51.7	317.3	23,800	53.8	321.8	28,200	160
165	48.6	309.6	18,900	50.1	313.2	22,800	52.2	317.9	26,900	165
170	46.9	305.0	18,000	48.4	308.8	21,800	50.6	313.9	25,400	170
175	45.1	300.1	17,300	46.7	304.2	20,800	49.0	309.6	24,000	175
180	43.3	294.9	16,600	45.0	299.3	20,000	47.3	305.1	22,600	180
185	41.5	289.4	15,900	43.2	294.1	19,100	45.6	300.3	21,400	185
190	39.5	283.4	15,200	41.3	288.5	18,300	43.8	295.2	20,200	190
200	35.4	270.2	14,100	37.3	276.1	16,800	40.0	283.9	18,100	200
202	34.5	267.1	13,900	36.4	273.3	16,400	39.2	281.3	17,700	202
210	30.8	254.7	13,200	33.0	261.8	15,000	36.0	271.0	16,200	210
220	25.5	235.7	12,400	28.0	244.5	13,500	31.4	255.8	14,500	220
230	18.8	210.7	10,600	22.0	222.8	12,000	26.2	237.4	12,900	230
240	7.5	166.7	7,000	13.8	191.2	9,300	19.7	213.4	11,600	240
241	5.1	157.1	6,400	12.0	184.3	8,800	18.7	209.5	11,300	241
246				3.3	149.8	6,400	13.7	190.0	9,800	246
250							9.7	174.5	8,600	250
253							1.8	143.0	6,600	253
259										259
260										260
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270										270
280										280
281										281

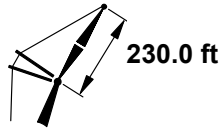
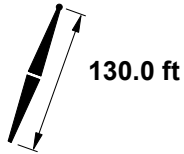


# MLC250 S-3

ASME B30.5



219,600 lb  
+  
80,000 lb



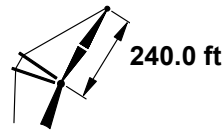
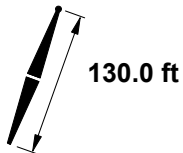
	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
69													69
70													70
75													75
80													80
81													81
85													85
90													90
95													95
100													100
105													105
110													110
115													115
117	68.0	348.7	37,000										117
120	67.2	347.4	37,000										120
125	65.9	345.2	37,000										125
130	64.5	342.8	36,500										130
135	63.1	340.4	34,500										135
140	61.7	337.7	32,700										140
145	60.3	334.9	31,000										145
147	59.7	333.7	30,400	62.8	337.2	27,700							147
150	58.8	331.9	29,500	62.0	335.6	26,800							150
155	57.3	328.8	28,000	60.6	332.8	25,500							155
160	55.8	325.4	26,700	59.1	329.9	24,200							160
165	54.3	321.9	25,400	57.6	326.8	23,000							165
170	52.8	318.1	24,200	56.2	323.5	21,900							170
175	51.2	314.2	23,100	54.6	320.0	20,900	57.9	323.7	18,700				175
180	49.6	310.0	22,000	53.1	316.3	19,900	56.4	320.4	17,700				180
185	47.9	305.6	21,000	51.5	312.4	18,900	54.9	316.9	16,900				185
190	46.2	300.9	20,100	49.9	308.2	18,100	53.3	313.3	16,000				190
200	42.6	290.5	18,400	46.5	299.2	16,400	50.1	305.3	14,500				200
202	41.8	288.2	18,100	45.8	297.2	16,100	49.5	303.5	14,300	52.8	307.5	12,300	202
210	38.7	278.7	16,800	43.0	289.0	15,000	46.8	296.3	13,200	50.3	301.1	11,200	210
220	34.5	265.1	15,400	39.2	277.4	13,600	43.3	286.2	11,900	46.9	292.2	9,900	220
230	29.8	249.0	13,900	35.0	264.0	12,400	39.5	274.7	10,800	43.4	282.1	8,700	230
240	24.3	229.2	12,400	30.3	248.2	11,300	35.3	261.5	9,600	39.6	270.7	7,600	240
241	23.6	226.5	12,300	29.8	246.3	11,200	34.9	259.9	9,500	39.2	269.4	7,500	241
246	20.0	213.0	11,600	27.1	236.6	10,700	32.5	252.1	9,000	37.1	262.8	7,000	246
250	17.1	202.2	11,100	24.9	228.8	10,300	30.7	245.9	8,600	35.5	257.5	6,600	250
253	13.1	186.5	10,100	22.8	221.0	10,000	29.1	240.2	8,300	34.1	252.9	6,400	253
259	5.1	154.9	8,000	18.7	205.5	9,400	25.9	228.7	7,700	31.4	243.6	5,800	259
260				18.0	202.9	9,300	25.3	226.8	7,600	30.9	242.1	5,700	260
265				13.2	184.6	8,800	22.2	215.3	7,100	28.4	233.2	5,300	265
270				5.2	152.6	8,300	18.6	201.6	6,600				270
280							7.0	156.5	5,700				280
281							4.4	145.9	5,600				281

# MLC250 S-3

ASME B30.5



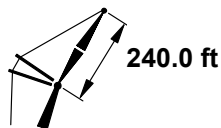
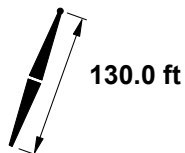
219,600 lb  
+  
80,000 lb



ft	88°			86°			83°			ft
	ft	lb	ft	ft	lb	ft	ft	lb	ft	
73	75.8	370.4	29,000							73
75	75.3	369.9	28,900							75
80	74.1	368.5	28,600							80
85	72.8	367.0	28,300	74.0	368.0	29,500				85
90	71.6	365.3	28,000	72.7	366.5	29,500				90
95	70.3	363.6	27,800	71.5	364.9	29,500				95
100	69.0	361.7	27,600	70.2	363.1	29,500				100
104	68.0	360.1	27,300	69.2	361.6	29,500	70.9	363.3	29,500	104
105	67.8	359.7	27,300	68.9	361.2	29,500	70.7	363.0	29,500	105
110	66.5	357.5	26,900	67.6	359.2	29,500	69.4	361.1	29,500	110
115	65.2	355.3	26,600	66.3	357.0	29,500	68.1	359.1	29,500	115
120	63.8	352.8	26,300	65.0	354.7	29,500	66.8	357.0	29,500	120
122	63.3	351.8	26,100	64.5	353.7	29,500	66.3	356.1	29,500	122
125	62.5	350.3	26,000	63.7	352.3	29,500	65.5	354.8	29,500	125
130	61.1	347.6	25,200	62.4	349.7	29,500	64.2	352.4	29,500	130
135	59.7	344.7	24,300	61.0	347.0	28,500	62.8	349.9	29,500	135
140	58.4	341.6	23,200	59.6	344.1	27,600	61.5	347.2	29,500	140
145	56.9	338.4	22,300	58.2	341.0	26,500	60.1	344.4	29,500	145
150	55.5	335.1	21,300	56.8	337.8	25,500	58.7	341.4	29,400	150
152	54.9	333.6	21,000	56.2	336.5	25,100	58.1	340.1	29,300	152
155	54.0	331.5	20,500	55.4	334.4	24,600	57.3	338.2	29,200	155
160	52.5	327.7	19,600	53.9	330.8	23,600	55.9	334.9	27,800	160
165	51.0	323.7	18,800	52.4	327.0	22,700	54.4	331.3	26,500	165
170	49.4	319.5	18,000	50.9	323.0	21,700	52.9	327.6	25,300	170
175	47.8	315.1	17,300	49.3	318.8	20,800	51.4	323.7	24,100	175
180	46.2	310.4	16,600	47.7	314.3	20,000	49.8	319.5	22,800	180
181	45.9	309.4	16,500	47.4	313.4	19,800	49.5	318.7	22,500	181
185	44.5	305.4	15,900	46.0	309.6	19,200	48.3	315.2	21,500	185
190	42.8	300.1	15,300	44.4	304.6	18,400	46.6	310.5	20,300	190
195	41.0	294.4	14,700	42.6	299.2	17,700	45.0	305.6	19,100	195
200	39.1	288.4	14,100	40.8	293.6	16,700	43.2	300.4	18,000	200
205	37.2	282.0	13,600	38.9	287.5	15,800	41.5	294.8	17,000	205
209	35.5	276.4	13,200	37.4	282.3	15,000	40.0	290.1	16,300	209
210	35.1	275.0	13,100	37.0	281.0	14,900	39.6	288.9	16,100	210
215	33.0	267.6	12,600	34.9	274.1	14,000	37.7	282.6	15,200	215
220	30.7	259.4	12,200	32.8	266.5	13,200	35.7	275.8	14,300	220
230	25.6	240.5	11,200	28.0	249.2	11,800	31.3	260.5	12,700	230
240	19.2	215.8	9,100	22.3	227.6	10,400	26.3	242.1	11,300	240
250	9.3	175.6	6,000	14.7	197.2	8,000	20.2	218.4	10,000	250
257				4.0	152.9	5,100	13.8	192.8	8,200	257
260							11.1	181.9	7,500	260
264							2.9	147.8	5,400	264
270										270
280										280
281										281

# MLC250 S-3

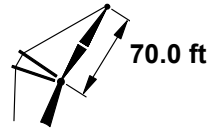
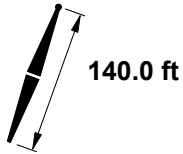
ASME B30.5



	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
73													73
75													75
80													80
85													85
90													90
95													95
100													100
104													104
105													105
110													110
115													115
120													120
122	68.0	357.9	29,500										122
125	67.2	356.6	29,500										125
130	65.9	354.4	29,500										130
135	64.6	352.1	29,500										135
140	63.3	349.6	29,500										140
145	61.9	347.0	29,500										145
150	60.6	344.2	29,100										150
152	60.0	343.0	28,500	63.0	346.5	25,900							152
155	59.2	341.3	27,700	62.2	344.9	25,100							155
160	57.8	338.2	26,300	60.9	342.2	23,800							160
165	56.4	334.9	25,000	59.5	339.3	22,600							165
170	54.9	331.4	23,900	58.1	336.2	21,500							170
175	53.4	327.8	22,700	56.7	332.9	20,400							175
180	51.9	323.9	21,700	55.2	329.5	19,500							180
181	51.6	323.1	21,500	54.9	328.8	19,300	58.0	332.4	17,100				181
185	50.4	319.9	20,700	53.7	325.9	18,500	56.9	329.9	16,400				185
190	48.8	315.6	19,700	52.2	322.1	17,600	55.4	326.5	15,600				190
195	47.2	311.0	18,900	50.7	318.1	16,800	54.0	322.9	14,800				195
200	45.5	306.2	18,000	49.1	313.8	16,000	52.5	319.1	14,100				200
205	43.8	301.1	17,200	47.5	309.3	15,300	50.9	315.1	13,400				205
209	42.4	296.7	16,600	46.2	305.5	14,700	49.7	311.7	12,900	52.9	315.7	10,600	209
210	42.1	295.7	16,400	45.9	304.6	14,600	49.4	310.9	12,700	52.6	314.9	10,500	210
215	40.2	289.9	15,700	44.2	299.5	13,900	47.8	306.4	12,100	51.1	310.9	9,800	215
220	38.3	283.7	15,000	42.4	294.2	13,200	46.1	301.7	11,400	49.5	306.7	9,200	220
230	34.3	269.9	13,700	38.7	282.3	12,000	42.7	291.4	10,200	46.3	297.6	8,000	230
240	29.7	253.7	12,200	34.7	268.8	10,900	39.0	279.7	9,000	42.8	287.3	7,000	240
250	24.4	233.9	10,800	30.2	252.9	9,900	35.0	266.3	8,000	39.2	275.7	6,000	250
257	19.7	215.4	9,900	26.6	239.3	9,200	31.9	255.3	7,300	36.4	266.3	5,400	257
260	17.7	207.5	9,500	25.0	233.5	8,900	30.6	250.6	7,000	35.2	262.4	5,100	260
264	12.8	187.4	8,400	22.4	223.4	8,500	28.5	243.0	6,600				264
270	5.4	157.3	6,600	18.5	208.1	7,900	25.5	231.6	6,000				270
280				7.7	164.0	6,900	19.1	206.8	5,200				280
281				5.5	155.0	6,800							281

# MLC250 S-3

ASME B30.5



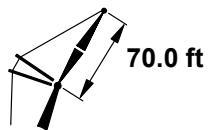
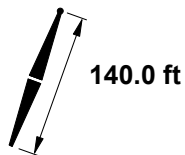
	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
32	74.6	215.2	142,600 d						32	
34	72.9	214.5	140,300 d						34	
36	71.1	213.8	136,200 d						36	
38	69.4	213.1	132,000 d	73.6	214.5	141,100 d			38	
40	67.6	212.3	128,100 c	71.9	213.8	136,800 d			40	
45	63.1	209.8	118,900 b	67.5	211.9	127,000 c			45	
49	59.3	207.5	112,400 b	63.9	209.9	119,900 c	70.4	212.4	131,200 d	
50	58.3	206.9	110,800 b	62.9	209.4	118,100 b	69.5	212.0	129,400 d	
55	53.3	203.4	103,600	58.2	206.5	110,100 b	65.0	209.8	120,500 b	
59	49.0	200.0	98,500	54.2	203.7	104,500 b	61.3	207.6	114,000 b	
60	47.9	199.1	97,300	53.2	202.9	103,100	60.4	207.1	112,400 b	
65	42.0	193.9	90,800	47.8	198.7	96,800	55.5	203.8	104,100	
70	35.3	187.4	83,100	41.9	193.4	91,300	50.3	199.9	94,800	
75	27.2	178.8	77,300	35.1	186.9	86,500	44.7	195.1	86,900	
77	22.4	173.4	73,600	31.9	183.4	84,200	42.1	192.8	84,200	
80	15.3	165.2	68,100	26.9	178.3	80,700	38.3	189.3	80,100	
82	4.8	152.5	55,500	22.1	172.7	76,300	35.4	186.3	77,800	
85				14.9	164.4	69,700	30.9	181.7	74,200	
87				2.5	149.5	55,100	27.1	177.5	72,100	
90							21.3	171.0	69,000	
94							6.4	153.4	62,100	
95									95	
100									100	
101									101	
105									105	
110									110	
113									113	
115									115	
120									120	
125									125	
130									130	
135									135	
136									136	

# MLC250 S-3

ASME B30.5



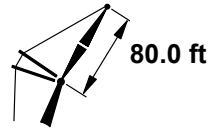
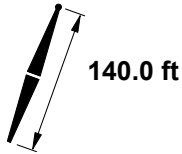
219,600 lb  
+  
80,000 lb



	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
32													32
34													34
36													36
38													38
40													40
45													45
49													49
50													50
55													55
59	68.0	210.1	113,800 c										59
60	67.1	209.6	111,400 c										60
65	62.5	207.2	100,600 b										65
70	57.7	204.2	91,600 b										70
75	52.7	200.5	84,000										75
77	50.5	198.8	81,400	62.4	204.3	76,500 b							77
80	47.2	196.2	77,400	59.6	202.5	72,900 b							80
82	44.8	194.1	75,100	57.6	201.2	70,700 b							82
85	41.3	190.9	71,700	54.6	199.2	67,500							85
87	38.5	188.2	69,700	52.5	197.5	65,600							87
90	34.4	184.2	66,700	49.3	195.1	62,800							90
94	27.7	177.0	63,100	44.7	191.1	59,500	57.2	197.1	55,800				94
95	26.0	175.2	62,300	43.6	190.2	58,700	56.2	196.4	55,000				95
100	13.1	160.3	58,200	37.1	184.1	54,900	51.1	192.6	51,500				100
101	8.2	154.3	57,400	35.6	182.5	54,300	49.9	191.7	50,900				101
105				29.5	176.1	51,600	45.5	188.0	48,400				105
110				19.0	164.4	48,500	39.3	182.3	45,600	52.3	188.7	42,600	110
113				7.3	150.5	46,700	35.0	177.9	44,000	49.1	186.1	41,200	113
115							32.1	175.0	43,000	46.9	184.3	40,200	115
120							22.9	165.0	40,600	40.9	178.9	38,000	120
125							2.0	140.1	38,200	33.9	172.1	35,900	125
130										25.4	163.0	34,000	130
135										11.8	147.1	32,200	135
136										5.6	139.6	31,800	136

# MLC250 S-3

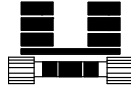
ASME B30.5



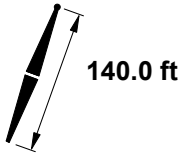
	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
33	75.8	225.3	128,500 d							33
34	75.1	225.0	127,700 d							34
36	73.6	224.4	125,800 d							36
38	72.1	223.7	125,600 d							38
40	70.5	223.0	122,100 c							40
41	69.8	222.6	120,600 c	73.5	224.0	129,700 d				41
45	66.7	221.0	114,900 b	70.5	222.6	122,600 c				45
50	62.7	218.5	107,300	66.6	220.6	114,400 b				50
52	61.0	217.3	104,600	65.0	219.6	111,400 b	70.7	221.9	121,500 c	52
55	58.5	215.6	100,500	62.6	218.1	106,900	68.4	220.8	116,700 b	55
60	54.2	212.1	94,400	58.4	215.2	100,200	64.4	218.5	109,300 b	60
63	51.4	209.7	90,200	55.8	213.1	96,600	62.0	216.8	105,200 b	63
65	49.6	208.1	87,400	54.1	211.7	94,200	60.3	215.8	102,500	65
70	44.6	203.3	79,600	49.5	207.6	88,800	56.1	212.5	94,400	70
75	39.1	197.5	73,000	44.5	202.8	84,000	51.6	208.8	86,500	75
80	32.9	190.4	67,400	39.0	197.0	79,700	46.8	204.3	79,800	80
81	31.4	188.5	66,600	37.7	195.6	78,600	45.8	203.2	78,600	81
85	25.3	181.1	63,300	32.7	189.9	74,100	41.6	199.0	73,900	85
90	14.2	166.4	59,900	25.1	180.5	69,000	35.7	192.5	68,800	90
92	4.4	152.8	49,300	20.6	174.5	65,700	33.0	189.2	66,900	92
95				13.8	165.6	60,800	28.8	184.3	64,200	95
97				2.2	149.5	49,100	25.2	179.7	62,500	97
99							21.6	175.1	60,900	99
100							19.8	172.8	60,100	100
104							5.9	153.9	55,300	104
105										105
110										110
111										111
115										115
116										116
120										120
123										123
125										125
130										130
135										135
140										140
145										145
146										146

# MLC250 S-3

ASME B30.5



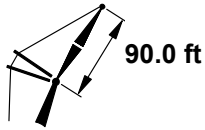
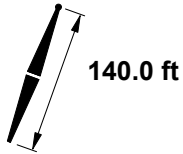
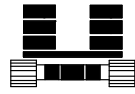
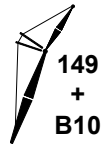
219,600 lb  
+  
80,000 lb



	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
33													33
34													34
36													36
38													38
40													40
41													41
45													45
50													50
52													52
55													55
60													60
63	67.8	219.2	104,100 b										63
65	66.2	218.3	100,100 b										65
70	62.2	215.8	91,100										70
75	58.0	212.8	83,500										75
80	53.6	209.3	77,000										80
81	52.7	208.5	75,800	62.9	213.5	71,200 b							81
85	49.0	205.2	71,300	59.6	211.2	67,000							85
90	44.0	200.3	66,300	55.3	207.9	62,300							90
92	41.8	197.9	64,600	53.5	206.3	60,600							92
95	38.4	194.4	61,900	50.8	204.0	58,100							95
97	35.9	191.4	60,400	48.8	202.1	56,700							97
99	33.4	188.5	58,800	46.9	200.3	55,200	57.6	205.8	51,600				99
100	32.1	187.1	58,000	45.9	199.4	54,500	56.7	205.1	50,900				100
104	25.8	179.3	55,200	41.7	195.0	51,800	53.1	202.2	48,400				104
105	24.3	177.3	54,400	40.6	193.9	51,100	52.3	201.4	47,800				105
110	12.2	161.3	51,200	34.6	187.2	48,100	47.5	197.1	45,000				110
111	7.6	154.9	50,500	33.2	185.5	47,600	46.5	196.0	44,500				111
115				27.4	178.6	45,400	42.3	191.9	42,500				115
116				25.5	176.0	44,900	41.2	190.6	42,000	52.4	196.7	39,100	116
120				17.7	166.0	42,900	36.6	185.6	40,100	48.7	193.3	37,400	120
123				6.8	151.0	41,400	32.6	180.9	38,900	45.7	190.4	36,200	123
125							29.9	177.7	38,000	43.6	188.4	35,400	125
130							21.3	166.8	36,000	38.1	182.4	33,500	130
135							1.7	140.1	34,000	31.6	175.0	31,800	135
140										23.7	165.0	30,200	140
145										10.9	148.0	28,700	145
146										5.1	140.0	28,300	146

# MLC250 S-3

ASME B30.5



	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
36	75.5	234.8	115,000 d							36
38	74.1	234.2	113,500 d							38
40	72.8	233.6	112,000 c							40
43	70.8	232.5	109,800 c	74.0	233.9	118,000 d				43
45	69.4	231.8	108,300 b	72.7	233.2	118,000 c				45
50	65.9	229.7	104,200 b	69.3	231.4	110,900 b				50
55	62.4	227.2	97,700	65.9	229.3	104,000	70.9	231.5	113,100 b	55
60	58.7	224.3	92,000	62.3	226.8	97,700	67.5	229.5	106,300 b	60
65	54.9	220.9	85,500	58.6	223.8	91,900	63.9	227.1	100,000	65
67	53.2	219.3	82,400	57.1	222.5	89,900	62.5	226.0	97,600	67
70	50.8	217.0	77,800	54.8	220.4	86,800	60.3	224.4	94,100	70
75	46.5	212.4	71,200	50.7	216.5	82,200	56.5	221.2	86,300	75
80	41.9	207.1	65,300	46.4	212.0	77,900	52.6	217.6	79,500	80
85	36.8	200.9	60,400	41.8	206.7	72,500	48.4	213.3	73,700	85
86	35.6	199.3	59,600	40.7	205.4	71,300	47.5	212.3	72,700	86
90	30.9	193.2	56,200	36.6	200.4	66,700	43.9	208.4	68,600	90
95	23.8	183.2	53,200	30.8	192.6	61,900	39.1	202.6	64,000	95
100	13.4	167.6	51,800	23.6	182.5	58,100	33.6	195.6	60,000	100
102	4.1	153.1	43,900	19.4	176.2	56,000	31.0	192.0	58,500	102
104				15.1	169.8	53,800	28.4	188.5	57,100	104
105				13.0	166.6	52,700	27.1	186.7	56,300	105
107				2.0	149.6	43,800	23.7	181.8	55,000	107
110							18.6	174.4	53,000	110
114							5.5	154.3	48,900	114
115										115
120										120
121										121
122										122
125										125
130										130
133										133
135										135
140										140
145										145
150										150
155										155
156										156

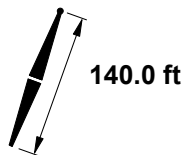


# MLC250 S-3

ASME B30.5



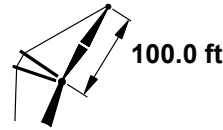
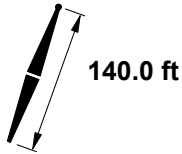
219,600 lb  
+  
80,000 lb



	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
36													36
38													38
40													40
43													43
45													45
50													50
55													55
60													60
65													65
67	67.6	228.4	95,900 b										67
70	65.5	227.0	90,700										70
75	61.9	224.5	83,200										75
80	58.2	221.5	76,700										80
85	54.4	218.1	71,000										85
86	53.6	217.3	70,000	62.6	222.1	65,600							86
90	50.3	214.1	66,100	59.7	219.8	61,900							90
95	46.0	209.5	61,700	55.9	216.6	57,800							95
100	41.3	204.1	57,800	51.9	212.8	54,100							100
102	39.2	201.5	56,400	50.2	211.1	52,800							102
104	37.1	198.9	55,000	48.5	209.3	51,500	57.8	214.5	48,000				104
105	36.1	197.7	54,300	47.6	208.5	50,800	57.1	213.8	47,400				105
107	33.7	194.5	53,000	45.8	206.4	49,700	55.5	212.4	46,300				107
110	30.2	189.8	51,100	43.1	203.4	47,900	53.2	210.2	44,700				110
114	24.3	181.4	48,800	39.1	198.6	45,700	49.8	206.9	42,600				114
115	22.8	179.3	48,200	38.1	197.4	45,200	49.0	206.1	42,100				115
120	11.4	162.2	45,500	32.5	190.1	42,700	44.6	201.2	39,800				120
121	7.1	155.5	44,900	31.2	188.3	42,300	43.6	200.1	39,400				121
122				29.8	186.4	41,800	42.7	199.0	39,000	52.5	204.7	36,200	122
125				25.8	180.8	40,400	39.8	195.6	37,700	50.0	202.3	35,000	125
130				16.7	167.4	38,300	34.4	188.7	35,800	45.7	197.6	33,200	130
133				6.3	151.5	37,000	30.6	183.6	34,700	42.9	194.3	32,200	133
135							28.1	180.2	34,000	41.0	192.2	31,500	135
140							20.0	168.6	32,300	35.8	185.7	30,000	140
145							1.5	140.0	30,500	29.7	177.6	28,500	145
150										22.2	167.0	27,100	150
155										10.3	148.9	25,800	155
156										4.8	140.3	25,400	156

# MLC250 S-3

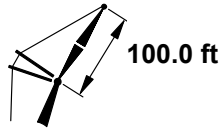
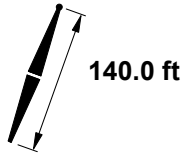
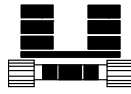
ASME B30.5



	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
38	75.8	244.6	105,100 d							38
40	74.6	244.1	102,500 c							40
45	71.6	242.5	99,500 b							45
46	70.9	242.1	98,900 b	73.9	243.4	112,500 b				46
50	68.5	240.6	96,400	71.5	242.1	107,100 b				50
55	65.4	238.4	93,500	68.4	240.2	100,700				55
59	62.8	236.3	90,100	65.9	238.4	96,000	70.4	240.7	104,100 b	59
60	62.2	235.8	89,300	65.3	238.0	94,800	69.8	240.3	102,900 b	60
65	58.8	232.9	82,400	62.1	235.4	89,400	66.7	238.2	97,100	65
70	55.4	229.6	75,700	58.7	232.5	84,400	63.6	235.8	91,600	70
71	54.7	228.8	74,400	58.1	231.8	83,500	62.9	235.3	90,500	71
75	51.8	225.8	69,300	55.3	229.2	80,000	60.3	233.1	85,800	75
80	48.0	221.5	63,600	51.7	225.4	76,000	56.9	229.9	79,100	80
85	44.0	216.5	58,600	47.9	221.0	71,400	53.4	226.3	73,300	85
90	39.6	210.8	54,300	43.9	216.1	65,400	49.7	222.3	68,100	90
95	34.8	204.0	50,500	39.5	210.3	60,400	45.8	217.6	63,600	95
100	29.3	195.8	47,400	34.7	203.5	56,000	41.5	212.2	59,600	100
105	22.5	185.1	45,000	29.1	195.2	52,200	36.9	205.9	56,000	105
110	12.6	168.6	44,100	22.3	184.5	49,400	31.8	198.4	52,700	110
112	3.8	153.4	39,300	18.3	177.8	47,900	29.3	194.6	51,500	112
115				12.3	167.7	45,800	25.7	189.0	49,700	115
117				1.9	149.6	39,300	22.4	183.8	48,600	117
120							17.6	175.9	47,000	120
124							5.2	154.7	42,700	124
125										125
128										128
130										130
131										131
135										135
140										140
143										143
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155										155
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166										166

# MLC250 S-3

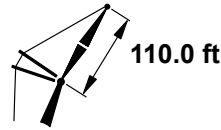
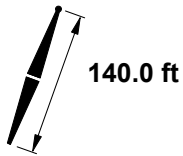
ASME B30.5



	80°			75°			70°			65°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
38													38
40													40
45													45
46													46
50													50
55													55
59													59
60													60
65													65
70													70
71	67.5	237.6	88,600										71
75	65.0	235.7	82,600										75
80	61.8	233.1	76,100										80
85	58.4	230.2	70,500										85
90	55.0	226.8	65,600	63.0	231.3	61,300							90
95	51.3	223.0	61,200	59.7	228.5	57,200							95
100	47.5	218.6	57,300	56.3	225.3	53,600							100
105	43.5	213.5	53,800	52.7	221.6	50,300							105
110	39.1	207.7	50,700	49.0	217.4	47,300	57.4	222.5	44,000				110
112	37.1	204.9	49,600	47.4	215.5	46,300	56.0	221.1	43,000				112
115	34.2	200.7	47,900	45.0	212.7	44,700	53.9	219.0	41,500				115
117	31.9	197.4	46,800	43.3	210.5	43,700	52.4	217.4	40,600				117
120	28.5	192.3	45,200	40.8	207.1	42,200	50.2	215.0	39,200				120
124	23.0	183.4	43,300	37.0	202.0	40,400	47.1	211.3	37,600				124
125	21.6	181.2	42,800	36.1	200.7	40,000	46.3	210.4	37,200				125
128	15.1	170.4	41,500	32.9	196.0	38,800	43.8	207.2	36,000	52.6	212.8	33,300	128
130	10.8	163.1	40,600	30.8	192.9	37,900	42.2	205.1	35,200	51.1	211.1	32,600	130
131	6.7	156.0	40,100	29.5	190.9	37,500	41.2	203.9	34,900	50.3	210.2	32,200	131
135				24.4	183.0	36,000	37.6	199.0	33,500	47.3	206.7	30,900	135
140				15.8	168.8	34,200	32.5	191.7	31,800	43.2	201.6	29,400	140
143				6.0	152.0	33,100	29.0	186.2	30,900	40.5	198.1	28,500	143
145							26.6	182.6	30,300	38.8	195.7	28,000	145
150							18.9	170.2	28,800	33.8	188.7	26,600	150
155							1.3	140.0	27,300	28.1	180.1	25,400	155
160										21.0	168.8	24,200	160
165										9.7	149.7	23,000	165
166										4.5	140.7	22,700	166

# MLC250 S-3

ASME B30.5



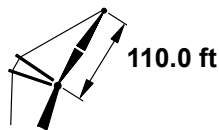
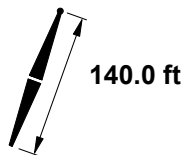
	88°			86°			83°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
40	76.0	254.4	95,200 c						40	
45	73.3	253.0	91,500 b						45	
49	71.1	251.6	89,500 b	73.8	252.9	104,600 b			49	
50	70.5	251.3	89,000	73.2	252.6	103,400 b			50	
55	67.7	249.3	86,500	70.5	250.9	97,500			55	
60	64.9	247.1	84,100	67.7	248.9	92,100			60	
62	63.7	246.0	82,300	66.5	248.0	90,100	70.6	250.2	97,400	
65	62.0	244.5	79,600	64.8	246.7	87,000	69.0	249.1	94,300	
70	58.9	241.6	73,400	61.9	244.1	82,400	66.1	246.9	89,200	
74	56.4	238.9	68,800	59.5	241.8	78,900	63.8	245.0	85,500	
75	55.8	238.3	67,700	58.9	241.2	78,000	63.2	244.5	84,500	
80	52.6	234.6	62,500	55.7	237.9	74,100	60.3	241.7	79,000	
85	49.2	230.4	57,400	52.5	234.2	69,900	57.2	238.6	73,100	
90	45.6	225.7	53,100	49.1	230.0	64,600	54.0	235.1	68,000	
95	41.8	220.4	49,200	45.5	225.3	59,500	50.7	231.1	63,500	
100	37.7	214.2	45,900	41.7	219.9	55,100	47.2	226.7	59,500	
105	33.1	207.0	42,900	37.6	213.7	51,100	43.5	221.6	55,900	
110	27.9	198.3	40,500	33.0	206.5	47,700	39.5	215.8	52,700	
115	21.4	187.0	38,800	27.7	197.7	44,800	35.1	209.1	49,700	
120	12.0	169.6	38,100	21.3	186.4	42,500	30.2	201.1	47,100	
122	3.6	153.6	35,000	17.4	179.3	41,700	27.9	197.1	46,100	
125				11.7	168.7	40,400	24.4	191.1	44,600	
127				1.7	149.7	34,900	21.3	185.6	43,700	
130							16.8	177.3	42,300	
134							4.9	155.0	37,900	
135									135	
140									140	
141									141	
145									145	
150									150	
153									153	
155									155	
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175									175	
176									176	

# MLC250 S-3

ASME B30.5



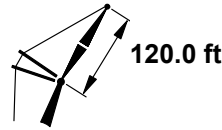
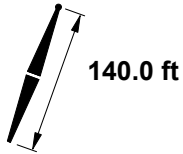
219,600 lb  
+  
80,000 lb



	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
40													40
45													45
49													49
50													50
55													55
60													60
62													62
65													65
70													70
74	68.0	247.1	83,900										74
75	67.4	246.7	82,500										75
80	64.5	244.4	76,000										80
85	61.6	241.8	70,400										85
90	58.6	238.8	65,400										90
95	55.4	235.5	61,100	62.7	240.0	57,000							95
100	52.2	231.8	57,200	59.7	237.2	53,400							100
105	48.8	227.5	53,800	56.6	234.0	50,100							105
110	45.2	222.8	50,600	53.4	230.4	47,200							110
115	41.3	217.3	47,800	50.1	226.4	44,600	57.6	231.2	41,400				115
120	37.1	211.0	45,200	46.6	221.8	42,100	54.5	227.7	39,100				120
122	35.3	208.1	44,300	45.1	219.7	41,200	53.1	226.2	38,300				122
125	32.5	203.7	42,800	42.8	216.6	39,900	51.2	223.8	37,000				125
127	30.4	200.1	42,000	41.2	214.2	39,100	49.8	222.1	36,200				127
130	27.1	194.7	40,600	38.8	210.7	37,900	47.7	219.4	35,100				130
134	21.8	185.3	39,000	35.2	205.1	36,400	44.8	215.5	33,700	52.6	220.8	31,100	134
135	20.5	183.0	38,600	34.3	203.8	36,000	44.0	214.5	33,300	52.0	220.0	30,800	135
140	10.3	164.0	36,700	29.3	195.5	34,200	40.1	208.8	31,700	48.5	215.7	29,200	140
141	6.3	156.5	36,300	28.1	193.4	33,900	39.2	207.5	31,400	47.8	214.7	29,000	141
145				23.2	185.0	32,600	35.8	202.2	30,200	44.9	210.9	27,800	145
150				15.0	170.0	31,000	31.0	194.4	28,800	41.1	205.4	26,500	150
153				5.7	152.4	30,100	27.6	188.7	28,000	38.5	201.6	25,800	153
155							25.3	184.8	27,400	36.9	199.1	25,300	155
160							18.0	171.8	26,200	32.2	191.6	24,100	160
165							1.2	140.0	24,800	26.8	182.5	23,000	165
170										20.0	170.6	22,000	170
175										9.2	150.4	20,900	175
176										4.2	141.0	20,700	176

# MLC250 S-3

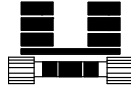
ASME B30.5



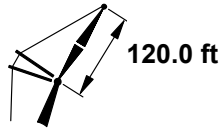
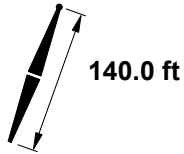
	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
43	75.7	264.0	84,800 b							43
45	74.7	263.4	84,000 b							45
50	72.2	261.9	83,000							50
52	71.2	261.2	81,800	73.7	262.5	97,200				52
55	69.7	260.1	79,900	72.2	261.5	94,100				55
60	67.1	258.1	78,800	69.6	259.7	89,100				60
65	64.5	255.8	76,000	67.1	257.7	84,400	70.8	259.8	91,200	65
70	61.8	253.2	70,900	64.4	255.4	80,100	68.2	257.8	86,500	70
75	59.0	250.2	65,600	61.7	252.8	76,000	65.6	255.6	82,200	75
78	57.3	248.3	62,800	60.1	251.0	73,700	64.0	254.1	79,700	78
80	56.2	247.0	60,800	59.0	249.8	72,200	63.0	253.2	78,000	80
85	53.2	243.4	56,300	56.1	246.6	68,400	60.2	250.4	72,700	85
90	50.2	239.3	52,000	53.2	242.9	63,300	57.4	247.3	67,600	90
95	47.0	234.8	48,300	50.1	238.9	58,800	54.5	243.8	63,100	95
99	44.2	230.8	45,600	47.5	235.3	55,400	52.1	240.8	59,900	99
100	43.6	229.8	44,900	46.9	234.4	54,500	51.5	240.0	59,100	100
105	39.9	224.0	41,900	43.5	229.3	50,500	48.4	235.7	55,500	105
110	36.0	217.5	39,300	39.8	223.5	47,000	45.0	230.9	52,300	110
115	31.6	209.8	37,000	35.9	217.0	43,800	41.5	225.4	49,300	115
120	26.6	200.6	35,100	31.5	209.3	41,100	37.7	219.3	46,700	120
125	20.5	188.8	33,700	26.5	200.0	38,800	33.6	212.1	44,200	125
130	11.5	170.6	33,300	20.3	188.1	37,100	28.9	203.7	42,000	130
132	3.4	153.8	30,800	16.6	180.7	36,500	26.7	199.5	41,100	132
135				11.1	169.6	35,500	23.3	193.2	39,900	135
137				1.6	149.7	30,800	20.4	187.4	39,100	137
140							16.0	178.7	37,900	140
144							4.7	155.4	33,400	144
145										145
150										150
151										151
155										155
160										160
163										163
165										165
170										170
175										175
180										180
185										185
186										186

# MLC250 S-3

ASME B30.5



219,600 lb  
+  
80,000 lb



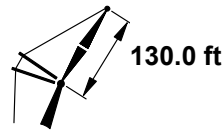
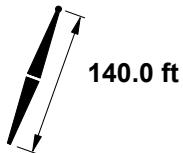
	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
43													43
45													45
50													50
52													52
55													55
60													60
65													65
70													70
75													75
78	67.8	256.3	77,900										78
80	66.8	255.5	75,400										80
85	64.2	253.1	69,800										85
90	61.5	250.5	64,900										90
95	58.7	247.5	60,600										95
99	56.4	244.9	57,500	63.0	249.2	53,500							99
100	55.8	244.2	56,700	62.5	248.7	52,800							100
105	52.9	240.6	53,300	59.7	245.8	49,600							105
110	49.8	236.5	50,100	56.9	242.7	46,600							110
115	46.5	231.9	47,300	54.0	239.1	44,000							115
120	43.1	226.8	44,800	51.0	235.2	41,600	57.8	239.9	38,500				120
125	39.5	220.9	42,400	47.8	230.8	39,400	54.9	236.4	36,400				125
130	35.5	214.3	40,200	44.4	225.9	37,400	51.9	232.7	34,500				130
132	33.7	211.1	39,400	43.0	223.7	36,600	50.7	231.0	33,800				132
135	31.1	206.5	38,200	40.9	220.4	35,500	48.8	228.4	32,800				135
137	29.0	202.7	37,500	39.3	217.8	34,800	47.5	226.5	32,100				137
140	25.9	197.0	36,400	37.0	214.0	33,800	45.5	223.7	31,200	52.7	228.8	28,600	140
144	20.9	187.2	35,000	33.6	208.2	32,500	42.7	219.4	29,900	50.2	225.5	27,500	144
145	19.6	184.7	34,600	32.8	206.7	32,100	42.0	218.4	29,600	49.6	224.6	27,200	145
150	9.8	164.8	33,000	28.0	198.0	30,600	38.3	212.3	28,200	46.3	220.0	25,900	150
151	6.0	157.0	32,600	26.8	195.8	30,300	37.5	210.9	28,000	45.6	219.0	25,700	151
155				22.2	187.0	29,200	34.2	205.3	26,900	42.9	214.8	24,700	155
160				14.3	171.3	27,900	29.6	197.1	25,700	39.2	209.0	23,500	160
163				5.4	152.8	27,000	26.3	191.0	25,000	36.8	204.9	22,900	163
165							24.2	186.9	24,500	35.2	202.2	22,500	165
170							17.2	173.3	23,400	30.8	194.4	21,500	170
175							1.1	140.0	22,200	25.6	184.8	20,500	175
180										19.1	172.2	19,600	180
185										8.8	151.1	18,600	185
186										4.0	141.3	18,400	186

# MLC250 S-3

ASME B30.5



219,600 lb  
+  
80,000 lb

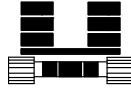


	88°			86°			83°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
45	75.9	273.8	77,200 b						45	
50	73.6	272.4	75,600						50	
54	71.8	271.1	74,900	74.0	272.3	88,500			54	
55	71.3	270.8	74,700	73.6	272.0	88,500			55	
60	69.0	268.9	72,200	71.3	270.4	86,300			60	
65	66.6	266.8	70,500	68.9	268.5	81,900			65	
68	65.1	265.4	69,400	67.5	267.2	79,500	70.9	269.3	85,500	68
70	64.1	264.4	68,700	66.5	266.4	77,900	70.0	268.6	83,900	70
75	61.7	261.8	64,000	64.1	264.0	74,000	67.6	266.6	79,900	75
80	59.1	258.9	59,500	61.6	261.4	70,500	65.2	264.3	76,000	80
82	58.1	257.6	57,900	60.6	260.2	69,200	64.2	263.3	74,500	82
85	56.5	255.7	55,400	59.0	258.5	67,100	62.7	261.8	72,300	85
90	53.8	252.1	51,500	56.4	255.3	62,400	60.2	259.1	67,200	90
95	51.0	248.2	47,800	53.7	251.7	58,100	57.6	256.0	62,700	95
100	48.1	243.8	44,500	50.9	247.8	54,100	55.0	252.6	58,700	100
104	45.6	240.0	42,100	48.6	244.3	51,100	52.8	249.5	55,900	104
105	45.0	239.0	41,500	48.0	243.4	50,400	52.2	248.8	55,200	105
110	41.7	233.6	38,800	44.9	238.5	46,800	49.3	244.6	51,900	110
115	38.3	227.5	36,300	41.7	233.1	43,700	46.3	240.0	49,000	115
120	34.5	220.6	34,300	38.2	227.0	40,800	43.2	234.9	46,400	120
125	30.3	212.5	32,400	34.4	220.1	38,300	39.8	229.1	43,900	125
130	25.5	202.9	31,000	30.2	212.0	36,200	36.2	222.6	41,700	130
135	19.7	190.5	29,900	25.4	202.3	34,300	32.2	215.0	39,600	135
140	11.0	171.5	29,600	19.5	189.8	32,900	27.7	206.1	37,700	140
142	3.2	154.1	27,300	16.0	182.1	32,400	25.6	201.7	37,000	142
145				10.7	170.5	31,500	22.4	195.2	35,900	145
146				6.1	160.1	29,400	21.0	192.1	35,600	146
147				1.5	149.8	27,300	19.6	189.1	35,200	147
150							15.4	180.0	34,200	150
154							4.5	155.7	29,700	154
155										155
160										160
161										161
165										165
170										170
173										173
175										175
180										180
185										185
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195										195
196										196

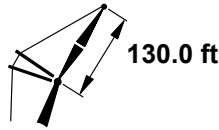
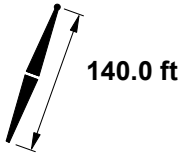


# MLC250 S-3

ASME B30.5



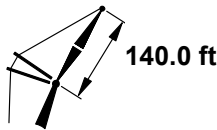
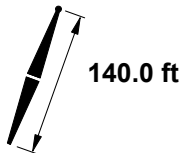
219,600 lb  
+  
80,000 lb



	80°			75°			70°			65°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
45													45
50													50
54													54
55													55
60													60
65													65
68													68
70													70
75													75
80													80
82	67.7	265.5	72,700										82
85	66.3	264.2	69,400										85
90	63.8	261.8	64,500										90
95	61.3	259.1	60,200										95
100	58.8	256.2	56,400										100
104	56.7	253.6	53,600	62.8	257.9	49,800							104
105	56.2	252.9	52,900	62.3	257.3	49,200							105
110	53.4	249.3	49,800	59.8	254.5	46,200							110
115	50.6	245.3	47,000	57.2	251.4	43,600							115
120	47.7	240.9	44,400	54.5	247.9	41,200							120
125	44.6	236.0	42,100	51.7	244.0	39,000	58.0	248.5	36,000				125
130	41.3	230.5	39,900	48.8	239.8	37,000	55.3	245.2	34,100				130
135	37.8	224.4	37,900	45.8	235.1	35,100	52.6	241.4	32,400				135
140	34.0	217.3	36,100	42.6	229.8	33,400	49.7	237.3	30,800				140
142	32.3	214.0	35,400	41.2	227.5	32,800	48.5	235.5	30,200				142
145	29.8	209.1	34,400	39.2	224.0	31,800	46.8	232.8	29,300				145
146	28.8	207.1	34,100	38.4	222.6	31,500	46.1	231.8	29,000	52.7	236.8	26,500	146
147	27.8	205.1	33,700	37.7	221.3	31,200	45.5	230.8	28,700	52.1	235.9	26,300	147
150	24.9	199.2	32,800	35.5	217.3	30,300	43.6	227.7	27,900	50.4	233.5	25,500	150
154	20.0	188.9	31,600	32.3	211.1	29,200	41.0	223.2	26,800	48.1	230.0	24,500	154
155	18.8	186.4	31,300	31.4	209.5	28,900	40.3	222.0	26,600	47.5	229.1	24,300	155
160	9.4	165.6	29,800	26.8	200.3	27,600	36.7	215.6	25,400	44.4	224.1	23,100	160
161	5.8	157.4	29,500	25.7	198.0	27,400	35.9	214.2	25,100	43.7	223.0	22,900	161
165				21.3	188.8	26,400	32.8	208.3	24,200	41.1	218.6	22,100	165
170				13.7	172.4	25,200	28.4	199.6	23,100	37.6	212.4	21,100	170
173				5.2	153.2	24,400	25.3	193.2	22,500	35.3	208.1	20,500	173
175							23.2	189.0	22,100	33.8	205.3	20,100	175
180							16.5	174.7	21,100	29.5	197.0	19,200	180
185							1.0	139.9	20,100	24.5	186.9	18,400	185
190										18.4	173.8	17,600	190
195										8.4	151.8	16,700	195
196										3.8	141.5	16,500	196

# MLC250 S-3

ASME B30.5



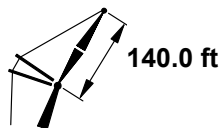
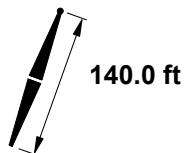
	88°			86°			83°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
48	75.7	283.4	70,900 b						48	
50	74.8	282.8	70,300						50	
55	72.7	281.3	68,100						55	
57	71.8	280.6	67,600	73.9	281.9	82,200			57	
60	70.5	279.6	66,700	72.7	280.9	81,900			60	
65	68.3	277.7	66,100	70.5	279.2	79,200			65	
70	66.1	275.5	64,700	68.3	277.3	75,400			70	
72	65.2	274.6	63,500	67.4	276.4	74,000	70.6	278.5	72	
75	63.9	273.1	61,700	66.1	275.1	71,800	69.3	277.4	75	
80	61.5	270.5	57,700	63.8	272.7	68,500	67.1	275.3	80	
85	59.2	267.6	53,800	61.5	270.1	64,900	64.8	273.0	85	
86	58.7	266.9	53,100	61.0	269.5	64,100	64.4	272.5	86	
90	56.7	264.4	50,200	59.1	267.2	60,900	62.5	270.5	90	
95	54.2	260.9	46,900	56.7	264.0	56,800	60.2	267.7	95	
100	51.7	257.0	43,800	54.2	260.4	53,100	57.8	264.6	100	
105	49.0	252.8	40,800	51.6	256.6	49,600	55.3	261.3	105	
109	46.7	249.1	38,700	49.4	253.2	47,100	53.3	258.3	109	
110	46.2	248.1	38,200	48.9	252.4	46,400	52.8	257.6	110	
115	43.2	243.0	35,800	46.1	247.7	43,400	50.2	253.5	115	
120	40.1	237.3	33,600	43.2	242.5	40,400	47.4	249.1	120	
125	36.8	230.9	31,700	40.1	236.8	37,900	44.5	244.1	125	
130	33.2	223.6	30,000	36.7	230.4	35,700	41.5	238.7	130	
131	32.4	221.9	29,700	36.0	228.9	35,200	40.9	237.5	131	
135	29.2	215.1	28,500	33.1	223.1	33,600	38.3	232.6	135	
140	24.6	205.1	27,300	29.1	214.6	31,800	34.8	225.7	140	
145	18.9	192.2	26,500	24.4	204.4	30,300	31.0	217.8	145	
150	10.6	172.4	26,300	18.7	191.5	29,200	26.7	208.5	150	
152	3.1	154.3	24,000	15.3	183.4	28,600	24.6	203.9	152	
155				10.3	171.4	27,800	21.5	197.0	155	
157				1.4	149.8	24,100	18.8	190.7	157	
160							14.8	181.3	160	
164							4.3	156.0	164	
165									165	
170									170	
171									171	
175									175	
180									180	
183									183	
185									185	
190									190	
195									195	
200									200	
205									205	
206									206	

# MLC250 S-3

ASME B30.5



219,600 lb  
+  
80,000 lb



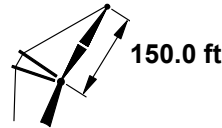
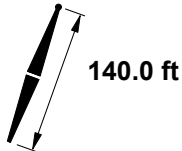
	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
48													48
50													50
55													55
57													57
60													60
65													65
70													70
72													72
75													75
80													80
85													85
86	67.6	274.6	67,900										86
90	65.8	272.9	64,000										90
95	63.6	270.5	59,700										95
100	61.3	267.8	55,800										100
105	58.9	264.8	52,400										105
109	56.9	262.3	49,900	62.6	266.5	46,200							109
110	56.4	261.6	49,300	62.1	266.0	45,700							110
115	53.9	258.1	46,500	59.8	263.2	43,000							115
120	51.3	254.2	43,900	57.4	260.0	40,600							120
125	48.6	249.9	41,600	54.9	256.6	38,400							125
130	45.8	245.2	39,400	52.3	252.9	36,400							130
131	45.2	244.1	39,100	51.8	252.0	36,100	57.7	256.6	33,100				131
135	42.9	240.0	37,500	49.7	248.7	34,600	55.7	253.9	31,800				135
140	39.7	234.2	35,600	46.9	244.2	32,900	53.2	250.2	30,200				140
145	36.4	227.7	33,900	44.0	239.2	31,300	50.5	246.2	28,700				145
150	32.7	220.3	32,400	41.0	233.6	29,800	47.8	241.8	27,300				150
152	31.1	216.8	31,800	39.6	231.1	29,300	46.7	239.9	26,800	52.7	244.8	24,400	152
155	28.7	211.7	30,900	37.7	227.4	28,400	44.9	237.0	26,000	51.2	242.4	23,700	155
157	26.8	207.5	30,300	36.3	224.6	27,900	43.7	234.8	25,500	50.1	240.6	23,200	157
160	24.0	201.3	29,500	34.1	220.3	27,100	41.9	231.6	24,800	48.5	238.1	22,500	160
164	19.3	190.6	28,400	31.0	213.9	26,200	39.4	226.8	23,900	46.2	234.3	21,700	164
165	18.1	187.9	28,200	30.3	212.2	25,900	38.7	225.6	23,700	45.7	233.3	21,500	165
170	9.0	166.3	26,900	25.8	202.6	24,800	35.3	218.8	22,600	42.7	228.1	20,500	170
171	5.5	157.9	26,600	24.7	200.2	24,600	34.5	217.3	22,400	42.1	226.9	20,300	171
175				20.5	190.6	23,700	31.5	211.1	21,600	39.5	222.2	19,600	175
180				13.2	173.6	22,600	27.3	202.0	20,700	36.2	215.7	18,700	180
183				4.9	153.6	22,000	24.3	195.4	20,100	34.0	211.2	18,200	183
185							22.3	190.9	19,800	32.5	208.2	17,900	185
190							15.9	176.1	18,900	28.4	199.5	17,100	190
195							0.9	139.9	17,900	23.6	189.0	16,300	195
200										17.7	175.4	15,600	200
205										8.1	152.5	14,800	205
206										3.7	141.8	14,600	206

# MLC250 S-3

ASME B30.5



219,600 lb  
+  
80,000 lb



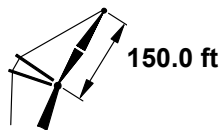
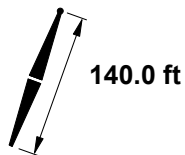
	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
50	75.9	293.2	64,700 b							50
55	73.9	291.8	62,900							55
60	71.9	290.2	61,700	73.8	291.4	74,700				60
65	69.9	288.4	61,200	71.8	289.8	74,300				65
70	67.8	286.4	59,400	69.8	288.0	73,100				70
75	65.7	284.2	58,200	67.8	286.0	69,800	70.7	288.0	73,000	75
80	63.6	281.8	55,700	65.7	283.8	66,200	68.7	286.1	71,600	80
85	61.4	279.1	52,200	63.5	281.4	62,500	66.6	284.0	68,500	85
89	59.7	276.8	49,600	61.8	279.3	59,700	64.9	282.2	66,100	89
90	59.2	276.2	48,900	61.4	278.7	59,000	64.5	281.7	65,500	90
95	57.0	273.1	45,800	59.2	275.8	55,500	62.4	279.2	62,100	95
100	54.6	269.6	43,000	56.9	272.6	52,000	60.2	276.4	58,100	100
105	52.2	265.8	40,200	54.6	269.2	48,800	57.9	273.3	54,500	105
110	49.8	261.7	37,600	52.2	265.4	45,700	55.7	270.0	51,300	110
113	48.2	259.0	36,200	50.7	262.9	44,000	54.2	267.8	49,600	113
115	47.2	257.2	35,300	49.7	261.3	42,800	53.3	266.3	48,400	115
120	44.5	252.3	33,200	47.1	256.8	40,300	50.9	262.4	45,800	120
125	41.7	246.8	31,200	44.5	251.8	37,700	48.3	258.0	43,300	125
130	38.7	240.8	29,500	41.6	246.4	35,300	45.7	253.3	41,100	130
135	35.5	234.1	27,900	38.6	240.3	33,300	42.9	248.1	39,100	135
136	34.8	232.5	27,600	38.0	239.0	32,900	42.3	246.9	38,700	136
140	32.0	226.5	26,500	35.4	233.6	31,400	40.0	242.3	37,200	140
145	28.2	217.7	25,300	31.9	225.9	29,800	36.9	235.9	35,400	145
150	23.7	207.1	24,400	28.1	217.1	28,300	33.6	228.7	33,800	150
155	18.2	193.8	23,700	23.6	206.5	27,100	29.9	220.5	32,300	155
158	13.4	181.5	23,600	20.3	198.4	26,500	27.4	214.7	31,400	158
160	10.2	173.3	23,600	18.1	193.0	26,100	25.7	210.8	30,800	160
162	3.0	154.5	21,400	14.8	184.7	25,600	23.7	206.0	30,300	162
165				9.9	172.2	24,800	20.8	198.9	29,500	165
167				1.3	149.9	21,500	18.2	192.3	28,800	167
170							14.3	182.5	27,700	170
174							4.1	156.4	23,400	174
175										175
180										180
181										181
185										185
190										190
193										193
195										195
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205										205
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216										216

# MLC250 S-3

ASME B30.5



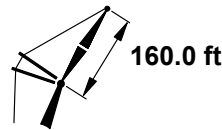
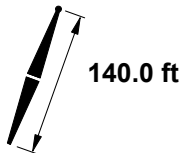
219,600 lb  
+  
80,000 lb



	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
50													50
55													55
60													60
65													65
70													70
75													75
80													80
85													85
89	68.0	284.2	64,700										89
90	67.6	283.8	63,800										90
95	65.5	281.6	59,500										95
100	63.3	279.1	55,600										100
105	61.2	276.4	52,200										105
110	59.0	273.5	49,100										110
113	57.6	271.6	47,400	62.9	275.7	43,900							113
115	56.7	270.3	46,300	62.0	274.7	42,800							115
120	54.4	266.8	43,800	59.8	271.8	40,500							120
125	52.0	263.0	41,400	57.5	268.7	38,300							125
130	49.5	258.8	39,300	55.2	265.3	36,300							130
135	46.9	254.3	37,300	52.9	261.6	34,400							135
136	46.3	253.3	37,000	52.4	260.8	34,100	57.8	265.2	31,200				136
140	44.2	249.3	35,500	50.4	257.6	32,700	56.0	262.6	30,000				140
145	41.3	243.8	33,800	47.9	253.2	31,100	53.6	259.0	28,500				145
150	38.3	237.7	32,200	45.2	248.4	29,700	51.2	255.1	27,100				150
155	35.1	230.9	30,800	42.4	243.1	28,300	48.7	250.8	25,800				155
158	33.0	226.2	29,900	40.7	239.6	27,500	47.1	248.0	25,100	52.8	252.8	22,800	158
160	31.6	223.1	29,400	39.5	237.2	27,000	46.1	246.1	24,700	51.8	251.2	22,400	160
162	30.0	219.5	28,900	38.2	234.6	26,500	45.0	244.0	24,200	50.8	249.5	21,900	162
165	27.7	214.1	28,100	36.3	230.7	25,800	43.3	241.0	23,500	49.3	247.0	21,300	165
167	25.8	209.8	27,600	35.0	227.7	25,300	42.2	238.7	23,100	48.3	245.2	20,900	167
170	23.1	203.3	26,900	32.9	223.3	24,700	40.4	235.3	22,500	46.7	242.4	20,300	170
174	18.6	192.2	25,900	29.9	216.5	23,800	38.0	230.2	21,700	44.5	238.4	19,600	174
175	17.5	189.5	25,700	29.2	214.8	23,600	37.4	229.0	21,500	44.0	237.4	19,400	175
180	8.7	167.1	24,600	24.9	204.8	22,600	34.1	221.9	20,500	41.2	231.9	18,500	180
181	5.3	158.3	24,300	23.9	202.3	22,400	33.3	220.3	20,400	40.5	230.6	18,400	181
185				19.8	192.4	21,600	30.4	213.8	19,600	38.1	225.7	17,700	185
190				12.7	174.7	20,700	26.3	204.4	18,800	34.9	218.8	16,900	190
193				4.8	154.0	20,100	23.5	197.4	18,300	32.8	214.1	16,500	193
195							21.5	192.8	18,000	31.3	211.0	16,200	195
200							15.3	177.4	17,200	27.4	201.9	15,500	200
205							0.8	139.9	16,300	22.8	191.0	14,800	205
210										17.0	176.8	14,100	210
215										7.8	153.1	13,400	215
216										3.5	142.1	13,300	216

# MLC250 S-3

ASME B30.5



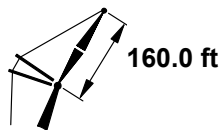
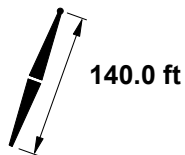
	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
52	76.0	303.0	59,000							52
55	74.9	302.2	58,500							55
60	73.1	300.7	57,000							60
63	71.9	299.7	56,700	73.8	300.9	67,800				63
65	71.2	299.0	56,500	73.0	300.3	67,700				65
70	69.3	297.2	55,500	71.1	298.7	67,400				70
75	67.3	295.2	54,000	69.2	296.8	65,900				75
78	66.2	293.8	53,500	68.1	295.6	64,100	70.9	297.6	66,000	78
80	65.4	292.9	53,100	67.3	294.8	63,000	70.1	296.9	66,000	80
85	63.4	290.5	50,400	65.3	292.5	59,900	68.2	294.9	66,000	85
90	61.3	287.8	47,500	63.3	290.1	56,800	66.2	292.8	63,500	90
93	60.1	286.1	45,700	62.1	288.5	55,000	65.0	291.3	62,000	93
95	59.3	284.9	44,600	61.3	287.4	53,700	64.2	290.4	60,900	95
100	57.2	281.7	41,900	59.2	284.5	50,700	62.2	287.8	57,600	100
105	55.0	278.3	39,500	57.1	281.3	47,700	60.2	285.0	54,100	105
110	52.8	274.6	37,100	54.9	277.9	44,900	58.1	282.0	50,900	110
115	50.5	270.6	34,800	52.7	274.2	42,200	55.9	278.7	48,000	115
118	49.0	268.0	33,500	51.3	271.8	40,700	54.6	276.5	46,400	118
120	48.1	266.2	32,600	50.4	270.1	39,600	53.7	275.1	45,300	120
125	45.6	261.4	30,800	48.0	265.8	37,400	51.5	271.2	42,900	125
130	43.0	256.2	29,000	45.5	261.0	35,200	49.1	267.0	40,700	130
135	40.3	250.5	27,400	43.0	255.8	33,000	46.7	262.4	38,600	135
140	37.4	244.2	26,000	40.2	250.0	31,100	44.2	257.4	36,800	140
141	36.8	242.8	25,700	39.7	248.8	30,800	43.6	256.3	36,400	141
145	34.3	237.2	24,700	37.3	243.7	29,400	41.5	251.9	35,000	145
150	31.0	229.2	23,600	34.2	236.7	27,900	38.7	245.9	33,400	150
155	27.2	220.1	22,700	30.9	228.7	26,500	35.7	239.2	31,900	155
160	22.9	209.2	21,800	27.1	219.5	25,300	32.5	231.6	30,400	160
164	18.7	198.1	21,400	23.7	210.7	24,500	29.6	224.8	29,400	164
165	17.6	195.3	21,300	22.8	208.5	24,300	28.9	223.1	29,100	165
170	9.8	174.1	21,200	17.5	194.5	23,600	24.9	213.0	27,800	170
172	2.9	154.7	18,800	14.3	185.9	22,900	23.0	208.0	27,400	172
175				9.6	173.0	21,900	20.1	200.6	26,600	175
177				1.3	149.9	18,900	17.6	193.9	25,800	177
180							13.8	183.7	24,500	180
184							4.0	156.7	20,700	184
185										185
190										190
191										191
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226										226

# MLC250 S-3

ASME B30.5



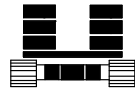
219,600 lb  
+  
80,000 lb



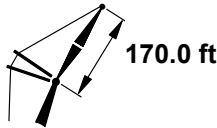
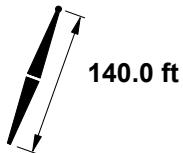
	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
52													52
55													55
60													60
63													63
65													65
70													70
75													75
78													78
80													80
85													85
90													90
93	67.9	293.4	60,600										93
95	67.1	292.5	59,000										95
100	65.1	290.3	55,100										100
105	63.1	287.8	51,700										105
110	61.1	285.1	48,600										110
115	59.0	282.2	45,800										115
118	57.7	280.3	44,300	62.7	284.4	40,800							118
120	56.9	279.0	43,300	61.9	283.3	39,900							120
125	54.7	275.5	40,900	59.8	280.5	37,700							125
130	52.5	271.8	38,800	57.7	277.4	35,700							130
135	50.2	267.7	36,800	55.5	274.0	33,900							135
140	47.8	263.3	35,000	53.3	270.4	32,200							140
141	47.3	262.3	34,700	52.9	269.6	31,900	58.0	273.9	29,100				141
145	45.3	258.5	33,300	51.1	266.4	30,600	56.2	271.3	27,900				145
150	42.7	253.2	31,800	48.7	262.2	29,100	54.0	267.7	26,600				150
155	40.0	247.4	30,300	46.2	257.5	27,800	51.8	263.9	25,300				155
160	37.1	241.0	28,900	43.7	252.4	26,500	49.5	259.7	24,100				160
164	34.6	235.3	27,900	41.5	247.9	25,500	47.5	256.1	23,200	52.8	260.8	20,900	164
165	33.9	233.9	27,700	41.0	246.8	25,300	47.0	255.2	23,000	52.3	260.0	20,700	165
170	30.5	225.8	26,500	38.2	240.7	24,200	44.5	250.2	21,900	50.0	255.9	19,700	170
172	29.0	222.1	26,000	37.0	238.0	23,800	43.5	248.1	21,500	49.1	254.1	19,400	172
175	26.7	216.5	25,300	35.1	233.9	23,100	41.9	244.8	20,900	47.6	251.4	18,800	175
177	25.0	212.0	24,900	33.8	230.8	22,700	40.8	242.4	20,600	46.6	249.5	18,500	177
180	22.4	205.3	24,200	31.9	226.2	22,100	39.1	238.9	20,000	45.1	246.6	18,000	180
184	18.0	193.8	23,400	28.9	219.1	21,400	36.7	233.6	19,300	43.0	242.4	17,300	184
185	16.9	190.9	23,200	28.2	217.4	21,200	36.1	232.3	19,100	42.5	241.3	17,100	185
190	8.4	167.8	22,200	24.1	207.0	20,300	32.9	224.9	18,300	39.8	235.5	16,400	190
191	5.1	158.7	21,900	22.9	203.8	20,100	32.2	223.0	18,100	39.2	234.1	16,200	191
200				12.3	175.7	18,500	25.5	206.6	16,700	33.7	221.9	14,900	200
203				4.6	154.3	18,000	22.3	198.2	16,300	31.5	216.6	14,500	203
210							14.8	178.7	15,300	26.5	204.3	13,600	210
215							0.8	139.8	14,500	22.0	193.0	13,000	215
220										16.5	178.3	12,400	220
226										3.4	142.3	11,600	226

# MLC250 S-3

ASME B30.5



219,600 lb  
+  
80,000 lb

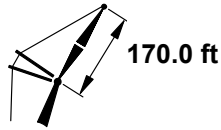
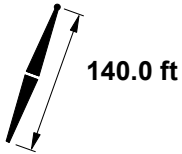
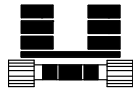


	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
55	75.8	312.5	53,700							55
60	74.1	311.2	52,900							60
65	72.3	309.6	52,100	74.0	310.8	59,000				65
70	70.5	307.9	50,800	72.3	309.2	59,000				70
75	68.7	306.0	50,400	70.5	307.5	59,000				75
80	66.9	303.9	49,600	68.7	305.6	59,000				80
81	66.5	303.4	49,300	68.3	305.2	58,600	71.0	307.1	59,000	81
85	65.1	301.6	48,300	66.9	303.5	57,400	69.5	305.7	59,000	85
90	63.2	299.1	46,200	65.0	301.2	54,800	67.7	303.7	59,000	90
95	61.3	296.5	43,700	63.1	298.7	52,100	65.9	301.5	59,000	95
97	60.5	295.3	42,700	62.4	297.7	51,100	65.1	300.5	58,100	97
100	59.3	293.6	41,200	61.2	296.1	49,500	64.0	299.1	56,800	100
105	57.3	290.4	38,900	59.3	293.2	46,900	62.1	296.5	53,700	105
110	55.3	287.0	36,600	57.3	290.0	44,300	60.2	293.7	50,500	110
115	53.2	283.4	34,500	55.2	286.6	41,800	58.2	290.7	47,600	115
120	51.1	279.4	32,600	53.2	282.9	39,500	56.2	287.4	45,000	120
122	50.2	277.7	31,900	52.3	281.4	38,600	55.3	286.0	44,000	122
125	48.8	275.2	30,700	51.0	279.0	37,200	54.1	283.8	42,500	125
130	46.5	270.5	28,900	48.8	274.7	35,100	52.0	280.0	40,300	130
135	44.2	265.5	27,400	46.5	270.1	33,200	49.8	275.9	38,300	135
140	41.7	260.1	25,900	44.1	265.1	31,300	47.5	271.4	36,400	140
145	39.0	254.1	24,600	41.6	259.6	29,500	45.2	266.6	34,700	145
147	37.9	251.4	24,100	40.5	257.2	28,900	44.2	264.5	34,000	147
150	36.3	247.5	23,400	39.0	253.6	27,900	42.8	261.3	33,000	150
155	33.3	240.2	22,300	36.2	247.0	26,500	40.2	255.6	31,500	155
160	30.0	231.9	21,300	33.2	239.6	25,200	37.5	249.3	30,100	160
165	26.4	222.4	20,500	29.9	231.4	24,000	34.6	242.3	28,800	165
170	22.2	211.1	19,900	26.3	221.8	23,000	31.5	234.5	27,500	170
175	17.1	196.8	19,500	22.1	210.5	22,200	28.0	225.5	26,300	175
180	9.5	174.9	19,000	17.0	196.0	21,500	24.1	215.1	25,200	180
182	2.8	154.9	16,600	13.9	187.1	20,700	22.2	210.0	24,800	182
185				9.3	173.8	19,400	19.5	202.3	24,200	185
187				1.2	150.0	16,600	17.0	195.3	23,200	187
190							13.4	184.9	21,800	190
194							3.8	157.0	18,300	194
195										195
200										200
201										201
205										205
210										210
213										213
220										220
225										225
230										230
236										236



# MLC250 S-3

ASME B30.5



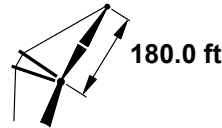
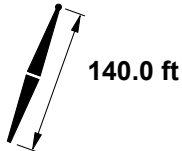
	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
55													55
60													60
65													65
70													70
75													75
80													80
81													81
85													85
90													90
95													95
97	67.8	302.6	57,000										97
100	66.7	301.3	54,700										100
105	64.8	299.0	51,300										105
110	63.0	296.5	48,200										110
115	61.0	293.8	45,400										115
120	59.1	290.8	42,900										120
122	58.3	289.6	42,000	62.9	293.6	38,600							122
125	57.1	287.7	40,600	61.8	292.0	37,300							125
130	55.0	284.3	38,400	59.8	289.1	35,300							130
135	52.9	280.6	36,500	57.8	286.1	33,500							135
140	50.8	276.6	34,700	55.8	282.7	31,800							140
145	48.6	272.3	33,000	53.7	279.1	30,200							145
147	47.6	270.4	32,400	52.9	277.6	29,600	57.7	281.9	26,900				147
150	46.3	267.6	31,400	51.6	275.3	28,700	56.5	280.0	26,100				150
155	43.9	262.5	30,000	49.4	271.1	27,400	54.4	276.5	24,900				155
160	41.4	257.0	28,600	47.1	266.6	26,100	52.3	272.7	23,700				160
165	38.7	251.0	27,300	44.8	261.6	24,900	50.1	268.6	22,600				165
170	35.9	244.3	26,100	42.3	256.3	23,800	47.9	264.2	21,500	52.8	268.8	19,300	170
175	32.9	236.9	25,000	39.7	250.5	22,800	45.5	259.4	20,500	50.7	264.8	18,400	175
180	29.6	228.5	23,900	37.0	244.0	21,800	43.1	254.2	19,600	48.4	260.4	17,500	180
182	28.1	224.6	23,500	35.8	241.2	21,400	42.1	251.9	19,300	47.5	258.5	17,200	182
185	25.9	218.8	22,900	34.0	236.9	20,800	40.6	248.5	18,700	46.1	255.7	16,700	185
187	24.2	214.2	22,500	32.8	233.7	20,500	39.5	246.0	18,400	45.1	253.7	16,400	187
190	21.7	207.2	21,900	30.9	228.9	19,900	37.9	242.3	17,900	43.7	250.6	16,000	190
194	17.4	195.3	21,200	28.1	221.6	19,200	35.6	236.8	17,300	41.7	246.2	15,400	194
195	16.4	192.3	21,000	27.4	219.8	19,100	35.0	235.4	17,100	41.2	245.1	15,200	195
200	8.1	168.4	20,100	23.4	209.0	18,300	31.9	227.7	16,400	38.5	239.0	14,500	200
201	5.0	159.1	19,500	22.4	206.3	18,100	31.2	226.0	16,200	38.0	237.7	14,400	201
205				18.5	195.7	17,500	28.5	219.0	15,700	35.7	232.3	13,900	205
210				11.9	176.7	16,700	24.7	208.8	15,000	32.7	224.8	13,200	210
213				4.4	154.7	16,200	21.6	200.1	14,600	30.6	219.3	12,900	213
220							14.4	179.9	13,700	25.7	206.6	12,100	220
225							0.7	139.8	13,000	21.4	194.8	11,500	225
230										16.0	179.7	11,000	230
236										3.3	142.6	10,200	236

# MLC250 S-3

ASME B30.5



219,600 lb  
+  
80,000 lb



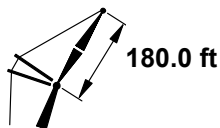
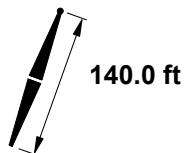
	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
57	76.0	322.3	49,100							57
60	75.0	321.5	48,700							60
65	73.3	320.1	48,000							65
68	72.3	319.1	47,600	74.0	320.3	55,900				68
70	71.7	318.5	47,300	73.3	319.7	55,800				70
75	70.0	316.7	46,600	71.6	318.1	55,500				75
80	68.3	314.7	45,900	69.9	316.3	55,200				80
85	66.5	312.6	45,200	68.2	314.4	54,400	70.7	316.3	53,900	85
90	64.8	310.3	44,400	66.5	312.2	52,200	69.0	314.5	53,900	90
95	63.0	307.8	42,200	64.7	309.9	49,900	67.3	312.4	53,900	95
100	61.2	305.1	39,900	63.0	307.4	47,600	65.5	310.2	53,800	100
101	60.8	304.5	39,500	62.6	306.9	47,100	65.2	309.7	53,600	101
105	59.4	302.2	37,800	61.2	304.7	45,300	63.8	307.8	53,000	105
110	57.5	299.1	35,700	59.3	301.8	43,100	62.0	305.2	50,000	110
115	55.6	295.7	33,800	57.4	298.7	40,800	60.2	302.4	47,100	115
120	53.6	292.1	31,900	55.5	295.3	38,700	58.3	299.3	44,500	120
125	51.6	288.2	30,200	53.6	291.7	36,600	56.4	296.1	42,100	125
127	50.8	286.6	29,600	52.7	290.1	35,800	55.6	294.7	41,200	127
130	49.5	284.1	28,600	51.5	287.8	34,500	54.5	292.6	39,900	130
135	47.4	279.6	27,000	49.5	283.6	32,700	52.5	288.8	37,800	135
140	45.2	274.7	25,600	47.3	279.1	31,000	50.4	284.8	36,000	140
145	42.8	269.5	24,200	45.1	274.3	29,400	48.3	280.4	34,200	145
150	40.4	263.8	23,000	42.8	269.0	27,800	46.1	275.7	32,600	150
152	39.4	261.3	22,600	41.8	266.7	27,200	45.2	273.7	32,000	152
155	37.9	257.5	21,900	40.4	263.3	26,300	43.9	270.6	31,100	155
160	35.2	250.7	20,900	37.8	257.0	24,900	41.5	265.1	29,700	160
165	32.3	243.1	20,000	35.1	250.2	23,800	39.0	259.1	28,400	165
170	29.1	234.5	19,200	32.2	242.5	22,600	36.4	252.6	27,100	170
175	25.6	224.7	18,600	29.1	234.0	21,700	33.6	245.3	25,900	175
176	24.8	222.3	18,500	28.3	232.0	21,500	33.0	243.7	25,700	176
180	21.6	213.0	18,000	25.5	224.1	20,800	30.5	237.2	24,800	180
185	16.6	198.2	17,600	21.5	212.4	20,100	27.2	228.0	23,800	185
190	9.3	175.7	16,500	16.5	197.5	19,600	23.4	217.2	22,800	190
192	2.7	155.1	14,300	12.1	183.9	18,200	21.3	210.9	22,100	192
197				1.2	150.0	14,400	16.1	195.3	20,300	197
200							13.0	186.0	19,200	200
204							3.7	157.3	16,000	204
210										210
211										211
220										220
223										223
230										230
235										235
240										240
246										246

# MLC250 S-3

ASME B30.5



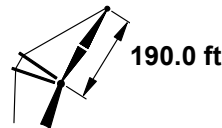
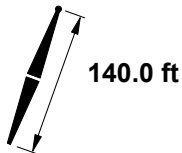
219,600 lb  
+  
80,000 lb



	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
57													57
60													60
65													65
68													68
70													70
75													75
80													80
85													85
90													90
95													95
100													100
101	67.7	311.7	53,500										101
105	66.3	310.0	50,800										105
110	64.6	307.7	47,700										110
115	62.8	305.1	44,900										115
120	61.0	302.4	42,400										120
125	59.1	299.5	40,100										125
127	58.4	298.2	39,200	62.7	302.3	35,900							127
130	57.3	296.4	37,900	61.7	300.6	34,700							130
135	55.3	293.0	36,000	59.8	297.8	32,900							135
140	53.4	289.3	34,200	58.0	294.7	31,200							140
145	51.3	285.4	32,500	56.1	291.4	29,700							145
150	49.3	281.2	30,900	54.1	287.9	28,200							150
152	48.4	279.4	30,400	53.3	286.4	27,700	57.8	290.6	25,000				152
155	47.1	276.7	29,500	52.1	284.1	26,900	56.7	288.6	24,300				155
160	44.9	271.7	28,100	50.0	280.0	25,600	54.7	285.2	23,100				160
165	42.6	266.4	26,900	47.9	275.6	24,400	52.7	281.5	22,000				165
170	40.1	260.7	25,700	45.7	270.8	23,300	50.7	277.5	21,000				170
175	37.6	254.4	24,500	43.4	265.7	22,200	48.6	273.1	20,000				175
176	37.0	253.0	24,300	43.0	264.5	22,000	48.2	272.2	19,800	52.8	276.8	17,600	176
180	34.8	247.4	23,500	41.1	260.1	21,300	46.4	268.5	19,100	51.2	273.6	17,000	180
185	31.9	239.7	22,500	38.5	254.0	20,300	44.2	263.5	18,200	49.1	269.4	16,100	185
190	28.7	231.0	21,500	35.9	247.3	19,400	41.8	258.0	17,400	47.0	264.8	15,400	190
192	27.2	226.6	21,200	34.7	244.2	19,100	40.8	255.6	17,100	46.0	262.7	15,100	192
197	23.3	215.7	20,300	31.7	236.3	18,300	38.3	249.4	16,300	43.8	257.6	14,400	197
200	21.0	209.1	19,800	30.0	231.6	17,800	36.8	245.6	15,900	42.4	254.5	14,000	200
204	15.8	193.1	19,100	27.0	223.4	17,200	34.4	239.6	15,300	40.4	249.7	13,500	204
210	7.9	169.1	18,100	22.7	211.0	16,300	31.0	230.5	14,500	37.4	242.4	12,700	210
211	4.8	159.5	17,100	21.6	207.7	16,200	30.3	228.5	14,400	36.8	240.9	12,600	211
220				11.6	177.7	14,900	24.0	210.9	13,200	31.7	227.7	11,500	220
223				4.3	155.0	14,500	21.0	202.0	12,900	29.7	222.0	11,200	223
230							14.0	181.1	12,000	24.9	208.8	10,500	230
235							0.7	139.8	11,400	20.7	196.7	10,000	235
240										15.5	181.0	9,500	240
246										3.2	142.8	8,800	246

# MLC250 S-3

ASME B30.5



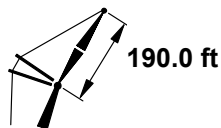
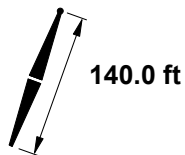
ft	88°			86°			83°			ft
	ft	lb	ft	ft	lb	ft	ft	lb	ft	
60	75.8	331.9	44,800							60
65	74.2	330.5	44,300							65
70	72.7	329.0	43,700							70
71	72.3	328.7	43,600	73.9	329.9	50,800				71
75	71.1	327.3	43,100	72.6	328.6	50,600				75
80	69.5	325.5	42,500	71.0	326.9	50,300				80
85	67.8	323.5	41,800	69.4	325.1	50,100				85
88	66.9	322.2	41,500	68.4	323.9	49,700	70.8	325.9	48,800	88
90	66.2	321.3	41,200	67.8	323.1	49,400	70.2	325.2	48,800	90
95	64.5	319.0	40,400	66.2	320.9	47,600	68.5	323.2	48,800	95
100	62.8	316.5	38,600	64.5	318.6	45,600	66.9	321.1	48,700	100
104	61.5	314.3	37,000	63.1	316.6	44,000	65.6	319.3	48,600	104
105	61.1	313.8	36,600	62.8	316.1	43,600	65.3	318.9	48,600	105
110	59.4	310.9	34,800	61.1	313.4	41,700	63.6	316.4	48,500	110
115	57.6	307.8	33,000	59.3	310.5	39,700	61.9	313.8	46,900	115
120	55.8	304.4	31,200	57.6	307.4	37,700	60.1	311.0	44,300	120
125	54.0	300.9	29,600	55.8	304.0	35,800	58.4	308.0	41,900	125
130	52.1	297.1	28,100	53.9	300.4	34,000	56.6	304.8	39,700	130
131	51.7	296.2	27,800	53.5	299.7	33,600	56.2	304.1	39,200	131
135	50.1	293.0	26,700	52.0	296.6	32,200	54.8	301.3	37,600	135
140	48.1	288.6	25,300	50.1	292.5	30,500	52.9	297.6	35,700	140
145	46.0	283.8	24,000	48.0	288.1	29,000	51.0	293.6	34,000	145
150	43.9	278.8	22,700	46.0	283.4	27,600	49.0	289.3	32,400	150
155	41.6	273.3	21,600	43.8	278.3	26,200	46.9	284.8	30,900	155
157	40.7	270.9	21,200	42.9	276.1	25,600	46.1	282.8	30,300	157
160	39.3	267.3	20,600	41.6	272.8	24,900	44.8	279.9	29,500	160
165	36.8	260.9	19,700	39.2	266.9	23,600	42.6	274.6	28,200	165
170	34.2	253.8	18,800	36.8	260.4	22,500	40.3	268.8	26,900	170
175	31.4	245.9	18,100	34.1	253.2	21,400	37.9	262.6	25,700	175
180	28.3	237.0	17,400	31.3	245.3	20,500	35.4	255.8	24,600	180
182	26.9	232.6	17,200	30.0	241.5	20,200	34.2	252.6	24,200	182
190	21.0	214.8	16,400	24.8	226.3	18,900	29.7	239.8	22,500	190
200	9.0	176.5	14,600	16.0	198.8	17,600	22.8	219.2	20,300	200
202	2.6	155.3	12,500	11.8	184.9	16,200	20.7	212.8	19,700	202
207				1.1	150.1	12,600	15.6	196.7	18,000	207
210							12.6	187.1	17,000	210
214							3.6	157.5	14,100	214
220										220
221										221
230										230
233										233
240										240
245										245
250										250
256										256

# MLC250 S-3

ASME B30.5



219,600 lb  
+  
80,000 lb



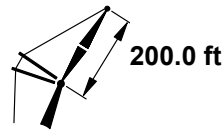
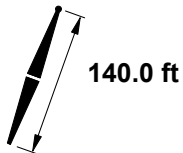
	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
60													60
65													65
70													70
71													71
75													75
80													80
85													85
88													88
90													90
95													95
100													100
104	68.0	321.3	51,200										104
105	67.6	320.9	50,500										105
110	66.0	318.7	47,500										110
115	64.3	316.4	44,700										115
120	62.6	313.8	42,200										120
125	60.9	311.1	39,800										125
130	59.2	308.2	37,700										130
131	58.8	307.5	37,300	62.9	311.4	34,100							131
135	57.4	305.0	35,800	61.6	309.3	32,700							135
140	55.6	301.7	34,000	59.8	306.5	31,000							140
145	53.7	298.1	32,300	58.1	303.4	29,400							145
150	51.8	294.2	30,700	56.3	300.1	28,000							150
155	49.9	290.1	29,300	54.4	296.6	26,600							155
157	49.1	288.3	28,700	53.7	295.1	26,100	57.9	299.3	23,600				157
160	47.9	285.7	27,900	52.5	292.9	25,400	56.8	297.3	22,900				160
165	45.8	280.9	26,700	50.6	288.8	24,200	55.0	293.9	21,800				165
170	43.6	275.8	25,500	48.6	284.5	23,100	53.1	290.2	20,700				170
175	41.4	270.2	24,300	46.6	279.9	22,000	51.2	286.3	19,800				175
180	39.0	264.2	23,300	44.4	274.9	21,100	49.3	282.1	18,900				180
182	38.0	261.5	22,900	43.5	272.7	20,700	48.4	280.2	18,500	52.8	284.8	16,400	182
190	33.9	250.5	21,300	39.9	263.7	19,200	45.1	272.7	17,200	49.7	278.3	15,200	190
200	27.9	233.5	19,600	34.9	250.4	17,600	40.7	261.8	15,700	45.6	269.0	13,800	200
202	26.4	229.0	19,300	33.7	247.2	17,300	39.7	259.2	15,400	44.7	266.9	13,500	202
207	22.7	217.7	18,500	30.9	239.1	16,600	37.2	252.7	14,700	42.5	261.5	12,900	207
210	20.5	210.9	18,000	29.1	234.2	16,100	35.7	248.9	14,300	41.2	258.3	12,500	210
214	15.3	194.4	17,200	26.3	225.7	15,600	33.5	242.6	13,800	39.3	253.3	12,000	214
220	7.7	169.7	16,000	22.1	213.0	14,800	30.1	233.2	13,000	36.4	245.7	11,300	220
221	4.7	159.9	15,100	21.0	209.5	14,700	29.4	231.2	12,900	35.8	244.2	11,200	221
230				11.3	178.7	13,500	23.3	213.0	11,900	30.8	230.4	10,300	230
233				4.2	155.3	13,100	20.4	203.8	11,600	28.9	224.6	10,000	233
240							13.6	182.3	10,800	24.2	210.9	9,200	240
245							0.6	139.7	10,200	20.2	198.4	8,700	245
250										15.1	182.3	8,200	250
256										3.1	143.1	7,500	256

# MLC250 S-3

ASME B30.5



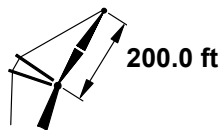
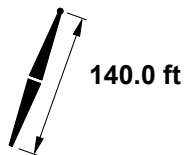
219,600 lb  
+  
80,000 lb



	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
62	75.9	341.7	40,800							62
65	75.0	340.9	40,700							65
70	73.6	339.5	40,300							70
74	72.4	338.2	39,900	73.8	339.4	46,200				74
75	72.1	337.9	39,800	73.5	339.1	46,100				75
80	70.5	336.2	39,200	72.0	337.5	45,800				80
85	69.0	334.3	38,700	70.5	335.8	45,600				85
90	67.5	332.2	38,100	69.0	333.9	45,300				90
91	67.1	331.8	38,000	68.7	333.5	45,200	70.9	335.4	44,200	91
95	65.9	330.1	37,600	67.4	331.9	45,000	69.7	334.0	44,100	95
100	64.3	327.7	37,000	65.9	329.7	43,400	68.1	332.0	44,000	100
105	62.7	325.2	35,300	64.3	327.3	41,700	66.6	329.9	43,900	105
108	61.7	323.5	34,300	63.3	325.8	40,700	65.6	328.5	43,800	108
110	61.1	322.4	33,700	62.7	324.8	40,000	65.0	327.6	43,800	110
115	59.4	319.5	32,000	61.0	322.0	38,300	63.4	325.1	43,600	115
120	57.7	316.4	30,400	59.4	319.1	36,500	61.8	322.5	43,500	120
125	56.0	313.1	28,900	57.7	316.0	34,800	60.1	319.7	41,400	125
130	54.3	309.6	27,400	56.0	312.7	33,200	58.5	316.7	39,200	130
135	52.5	305.8	26,100	54.2	309.2	31,600	56.8	313.4	37,200	135
136	52.1	305.0	25,800	53.9	308.4	31,300	56.4	312.8	36,800	136
140	50.6	301.8	24,800	52.4	305.4	30,100	55.0	310.0	35,300	140
145	48.7	297.5	23,600	50.6	301.4	28,600	53.3	306.3	33,600	145
150	46.8	292.9	22,500	48.7	297.1	27,100	51.4	302.4	31,900	150
155	44.8	288.0	21,400	46.8	292.5	25,800	49.6	298.3	30,400	155
160	42.7	282.7	20,300	44.7	287.5	24,600	47.6	293.8	29,000	160
162	41.8	280.4	19,900	43.9	285.4	24,100	46.8	291.9	28,500	162
165	40.5	277.0	19,400	42.6	282.2	23,400	45.7	289.0	27,700	165
170	38.3	270.8	18,500	40.5	276.5	22,300	43.6	283.9	26,500	170
180	33.3	256.8	17,000	35.8	263.6	20,300	39.3	272.4	24,200	180
188	28.7	242.9	16,100	31.6	251.2	19,000	35.4	261.6	22,400	188
190	27.6	239.5	15,900	30.5	248.1	18,600	34.4	258.9	21,900	190
200	20.4	216.6	15,000	24.2	228.4	17,300	28.9	242.4	19,800	200
210	8.8	177.2	12,500	15.6	200.2	15,300	22.2	221.1	17,800	210
212	2.5	155.5	10,600	11.4	185.9	14,000	20.2	214.5	17,200	212
217				1.1	150.1	10,700	15.2	198.0	15,700	217
220							12.3	188.1	14,800	220
224							3.5	157.8	12,100	224
230										230
231										231
240										240
243										243
250										250
255										255
260										260
266										266

# MLC250 S-3

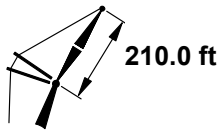
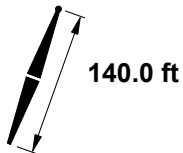
ASME B30.5



	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
62													62
65													65
70													70
74													74
75													75
80													80
85													85
90													90
91													91
95													95
100													100
105													105
108	67.9	330.5	46,400										108
110	67.3	329.6	46,400										110
115	65.7	327.4	44,200										115
120	64.1	325.0	41,600										120
125	62.5	322.5	39,300										125
130	60.9	319.8	37,200										130
135	59.2	316.8	35,300										135
136	58.9	316.2	34,900	62.8	320.1	31,800							136
140	57.5	313.7	33,500	61.5	318.0	30,500							140
145	55.8	310.4	31,800	59.8	315.1	28,900							145
150	54.1	306.8	30,300	58.2	312.1	27,500							150
155	52.3	303.0	28,800	56.5	308.8	26,100							155
160	50.4	299.0	27,500	54.7	305.3	24,900							160
162	49.6	297.2	26,900	54.0	303.9	24,400	58.0	307.9	21,900				162
165	48.5	294.6	26,200	52.9	301.6	23,700	57.0	306.0	21,200				165
170	46.6	290.0	25,000	51.1	297.7	22,600	55.3	302.6	20,200				170
180	42.4	279.7	22,800	47.3	288.9	20,600	51.7	295.1	18,300				180
188	38.9	270.1	21,300	44.1	280.9	19,100	48.7	288.3	17,000	52.9	292.8	14,900	188
190	38.0	267.7	20,900	43.2	278.9	18,700	47.9	286.5	16,600	52.1	291.2	14,600	190
200	33.0	253.5	19,200	38.8	267.3	17,100	43.9	276.7	15,100	48.4	282.8	13,200	200
210	27.2	235.9	17,600	34.0	253.5	15,700	39.6	265.4	13,800	44.4	273.1	11,900	210
212	25.7	231.3	17,300	32.9	250.1	15,400	38.6	262.7	13,500	43.5	270.9	11,700	212
217	22.1	219.6	16,600	30.1	241.8	14,700	36.2	256.0	12,900	41.4	265.3	11,100	217
220	19.9	212.6	16,100	28.4	236.7	14,300	34.8	252.0	12,500	40.1	262.0	10,700	220
224	14.9	195.7	15,300	25.6	228.0	13,800	32.6	245.5	12,100	38.2	256.7	10,200	224
230	7.5	170.4	13,900	21.5	214.8	13,100	29.3	235.8	11,400	35.4	248.9	9,600	230
231	4.6	160.2	13,100	20.4	211.3	13,000	28.7	233.7	11,300	34.9	247.3	9,400	231
240				11.0	179.6	11,900	22.7	215.0	10,400	30.0	233.1	8,500	240
243				4.1	155.7	11,600	19.9	205.5	10,100	28.1	227.1	8,200	243
250							13.2	183.4	9,400	23.6	213.0	7,500	250
255							0.6	139.7	8,800	19.6	200.1	7,000	255
260										14.7	183.6	6,500	260
266										3.0	143.3	5,900	266

# MLC250 S-3

ASME B30.5

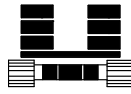


	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
65	75.8	351.3	37,200							65
70	74.4	349.9	36,900							70
75	72.9	348.4	36,700							75
76	72.6	348.1	36,600	74.0	349.2	42,000				76
80	71.5	346.8	36,200	72.9	348.0	41,800				80
85	70.1	345.0	35,800	71.5	346.4	41,600				85
90	68.6	343.1	35,300	70.0	344.6	41,300				90
94	67.4	341.4	34,900	68.8	343.1	41,100	71.0	345.0	40,100	94
95	67.1	341.0	34,800	68.6	342.7	41,000	70.7	344.6	40,100	95
100	65.6	338.8	34,400	67.1	340.6	40,700	69.2	342.8	39,900	100
105	64.1	336.4	33,900	65.6	338.4	39,800	67.8	340.7	39,800	105
110	62.6	333.8	32,400	64.1	336.0	38,300	66.3	338.6	39,600	110
112	62.0	332.7	31,900	63.5	335.0	37,700	65.7	337.7	39,600	112
115	61.0	331.1	31,000	62.5	333.4	36,700	64.8	336.3	39,500	115
120	59.5	328.2	29,500	61.0	330.7	35,300	63.2	333.8	39,300	120
125	57.8	325.1	28,100	59.4	327.8	33,800	61.7	331.2	39,200	125
130	56.2	321.8	26,800	57.8	324.7	32,300	60.1	328.3	38,800	130
135	54.6	318.3	25,500	56.2	321.4	30,900	58.5	325.3	38,800	135
140	52.8	314.6	24,300	54.5	317.9	29,400	56.9	322.1	34,900	140
145	51.1	310.7	23,200	52.8	314.2	28,100	55.3	318.7	33,200	145
150	49.3	306.4	22,100	51.1	310.2	26,800	53.6	315.1	31,600	150
155	47.5	301.9	21,100	49.3	306.0	25,500	51.9	311.2	30,100	155
160	45.6	297.1	20,200	47.4	301.5	24,300	50.1	307.1	28,700	160
165	43.6	292.0	19,100	45.6	296.7	23,200	48.3	302.8	27,400	165
168	42.4	288.7	18,600	44.4	293.6	22,600	47.2	300.0	26,600	168
170	41.6	286.5	18,300	43.6	291.5	22,200	46.4	298.1	26,100	170
175	39.5	280.6	17,500	41.6	286.0	21,200	44.5	293.1	25,000	175
180	37.3	274.2	16,800	39.5	280.1	20,200	42.5	287.8	23,900	180
185	35.0	267.3	16,100	37.2	273.7	19,300	40.4	282.1	22,700	185
190	32.5	259.7	15,400	34.9	266.8	18,400	38.3	275.9	21,500	190
194	30.2	252.6	15,100	32.8	260.3	17,900	36.4	270.3	20,600	194
200	26.9	241.9	14,500	29.7	250.7	17,000	33.6	261.9	19,300	200
210	19.9	218.4	13,800	23.6	230.5	15,900	28.2	244.9	17,400	210
220	8.5	177.9	10,700	15.2	201.5	13,300	21.6	223.0	15,700	220
222	2.4	155.6	8,900	11.1	186.8	12,100	19.7	216.3	15,100	222
227				1.0	150.1	9,000	14.9	199.3	13,700	227
230							12.0	189.1	12,800	230
234							3.4	158.1	10,300	234
240										240
241										241
250										250
253										253
260										260
265										265
270										270

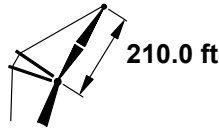
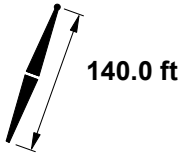


# MLC250 S-3

ASME B30.5



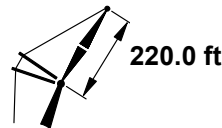
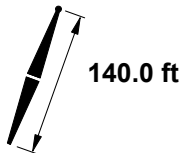
219,600 lb  
+  
80,000 lb



	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
65													65
70													70
75													75
76													76
80													80
85													85
90													90
94													94
95													95
100													100
105													105
110													110
112	67.8	339.6	41,900										112
115	66.9	338.4	41,900										115
120	65.4	336.1	41,300										120
125	63.9	333.7	38,900										125
130	62.4	331.2	36,800										130
135	60.8	328.4	34,900										135
140	59.3	325.5	33,100	63.0	329.3	30,000							140
145	57.7	322.4	31,400	61.4	326.6	28,500							145
150	56.0	319.1	29,900	59.9	323.8	27,000							150
155	54.3	315.5	28,400	58.3	320.7	25,700							155
160	52.6	311.8	27,100	56.6	317.5	24,400							160
165	50.9	307.8	25,800	55.0	314.1	23,300							165
168	49.8	305.3	25,100	54.0	311.9	22,600	57.8	316.0	20,200				168
170	49.1	303.6	24,600	53.3	310.4	22,200	57.2	314.7	19,800				170
175	47.3	299.0	23,500	51.6	306.5	21,100	55.5	311.3	18,800				175
180	45.4	294.2	22,500	49.8	302.3	20,200	53.8	307.7	17,900				180
185	43.4	289.0	21,500	48.0	297.9	19,200	52.1	303.9	17,000				185
190	41.4	283.5	20,500	46.1	293.2	18,400	50.4	299.8	16,200				190
194	39.6	278.5	19,800	44.5	289.0	17,700	48.9	296.3	15,600	52.9	300.8	13,600	194
200	37.0	271.0	18,800	42.1	282.8	16,800	46.7	290.9	14,700	50.8	296.0	12,700	200
210	32.2	256.3	17,200	37.9	270.7	15,300	42.8	280.7	13,400	47.1	287.2	11,400	210
220	26.5	238.3	15,800	33.1	256.5	14,000	38.6	268.9	12,200	43.3	277.1	10,100	220
222	25.1	233.5	15,600	32.0	253.0	13,700	37.6	266.1	11,900	42.4	274.8	9,900	222
227	21.6	221.5	14,900	29.3	244.4	13,100	35.3	259.2	11,400	40.4	269.0	9,300	227
230	19.4	214.3	14,500	27.7	239.2	12,800	33.9	255.1	11,000	39.1	265.5	9,000	230
234	14.6	197.0	13,500	25.0	230.2	12,300	31.8	248.4	10,600	37.3	260.1	8,500	234
240	7.3	171.0	12,000	20.9	216.7	11,600	28.6	238.4	10,000	34.5	252.0	7,900	240
241	4.4	160.6	11,200	19.9	213.1	11,500	28.0	236.2	9,900	34.0	250.4	7,800	241
250				10.7	180.5	10,600	22.1	216.9	9,000	29.3	235.7	6,900	250
253				3.9	156.0	10,200	19.4	207.2	8,600	27.4	229.5	6,700	253
260							12.9	184.5	7,900	23.0	215.0	6,000	260
265							0.5	139.7	7,400	19.2	201.8	5,600	265
270										14.3	184.8	5,100	270

# MLC250 S-3

ASME B30.5



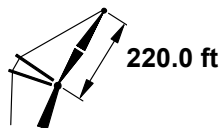
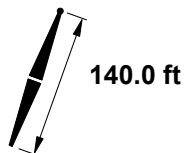
ft	88°			86°			83°			ft
	ft	lb	ft	ft	lb	ft	ft	lb	ft	
67	75.9	361.1	34,000							67
70	75.1	360.3	33,800							70
75	73.7	358.9	33,500							75
79	72.6	357.6	33,200	74.0	358.8	38,200				79
80	72.4	357.3	33,200	73.7	358.5	38,100				80
85	71.0	355.6	33,000	72.3	356.9	37,900				85
90	69.6	353.8	32,600	71.0	355.2	37,600				90
95	68.2	351.8	32,100	69.6	353.4	37,300				95
97	67.6	351.0	32,000	69.0	352.6	37,200	71.0	354.5	36,300	97
100	66.8	349.7	31,700	68.2	351.4	37,000	70.2	353.4	36,200	100
105	65.4	347.5	31,200	66.8	349.3	36,700	68.8	351.5	36,000	105
110	63.9	345.1	31,000	65.3	347.1	36,300	67.4	349.5	35,900	110
115	62.5	342.5	29,800	63.9	344.7	35,100	66.0	347.3	35,700	115
120	61.0	339.8	28,500	62.4	342.1	33,800	64.6	345.0	35,500	120
125	59.5	336.9	27,300	60.9	339.4	32,500	63.1	342.5	35,300	125
130	57.9	333.8	26,100	59.4	336.5	31,200	61.6	339.8	35,100	130
135	56.4	330.5	24,900	57.9	333.4	29,900	60.1	337.0	35,000	135
140	54.8	327.1	23,800	56.4	330.1	28,700	58.6	334.0	34,500	140
145	53.2	323.4	22,700	54.8	326.6	27,400	57.1	330.8	32,700	145
150	51.5	319.5	21,600	53.1	322.9	26,200	55.5	327.4	31,100	150
155	49.8	315.3	20,600	51.5	319.0	25,000	53.9	323.8	29,600	155
160	48.1	310.9	19,800	49.8	314.9	23,900	52.3	320.0	28,200	160
165	46.3	306.2	18,900	48.1	310.5	22,800	50.6	316.0	26,900	165
170	44.5	301.3	18,100	46.3	305.8	21,800	48.9	311.7	25,700	170
173	43.3	298.1	17,600	45.2	302.8	21,200	47.8	309.0	25,000	173
175	42.6	295.9	17,200	44.4	300.8	20,800	47.1	307.1	24,500	175
180	40.6	290.2	16,500	42.5	295.5	20,000	45.3	302.3	23,400	180
185	38.6	284.1	15,800	40.6	289.7	19,200	43.4	297.1	22,100	185
190	36.4	277.5	15,200	38.5	283.6	18,300	41.5	291.6	20,900	190
195	34.1	270.3	14,600	36.3	277.0	17,500	39.5	285.7	19,800	195
200	31.7	262.5	14,100	34.1	269.8	16,800	37.3	279.3	18,800	200
205	29.1	253.9	13,600	31.6	262.0	16,100	35.1	272.4	17,800	205
210	26.3	244.2	13,200	29.0	253.3	15,600	32.8	264.8	16,800	210
220	19.5	220.1	12,000	23.0	232.5	13,300	27.5	247.4	15,100	220
230	8.3	178.6	8,900	14.8	202.8	11,200	21.1	224.9	13,100	230
232	2.4	155.8	7,300	10.9	187.8	10,100	19.2	217.9	12,700	232
237				1.0	150.2	7,400	14.5	200.6	11,600	237
240							11.7	190.1	10,900	240
244							3.3	158.3	8,600	244
250										250
251										251
260										260
263										263
270										270
275										275

# MLC250 S-3

ASME B30.5



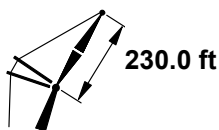
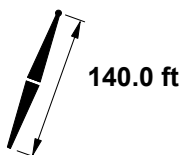
219,600 lb  
+  
80,000 lb



	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
67													67
70													70
75													75
79													79
80													80
85													85
90													90
95													95
97													97
100													100
105													105
110													110
115	68.0	349.2	37,800										115
120	66.6	347.1	37,800										120
125	65.2	344.8	37,800										125
130	63.8	342.4	36,300										130
135	62.3	339.8	34,400										135
140	60.8	337.1	32,600										140
145	59.3	334.2	30,900	62.8	338.0	27,900							145
150	57.8	331.0	29,400	61.4	335.3	26,500							150
155	56.2	327.8	27,900	59.9	332.4	25,200							155
160	54.6	324.3	26,600	58.3	329.4	23,900							160
165	53.0	320.6	25,300	56.8	326.2	22,800							165
170	51.3	316.6	24,200	55.2	322.8	21,700							170
173	50.3	314.1	23,500	54.2	320.6	21,000	57.9	324.7	18,600				173
175	49.6	312.5	23,100	53.6	319.1	20,600	57.3	323.4	18,200				175
180	47.9	308.0	22,000	52.0	315.3	19,600	55.7	320.0	17,300				180
185	46.1	303.3	21,000	50.3	311.2	18,700	54.1	316.5	16,500				185
190	44.3	298.3	20,100	48.6	306.9	17,900	52.5	312.7	15,700				190
195	42.3	292.9	19,200	46.8	302.3	17,000	50.8	308.7	14,900				195
200	40.4	287.2	18,400	45.0	297.4	16,300	49.1	304.4	14,200	52.9	308.8	11,900	200
205	38.3	281.0	17,600	43.1	292.1	15,500	47.4	299.9	13,500	51.2	304.8	11,200	205
210	36.1	274.3	16,800	41.1	286.5	14,800	45.5	295.1	12,900	49.5	300.6	10,600	210
220	31.4	259.2	15,400	37.0	274.0	13,500	41.8	284.5	11,600	46.0	291.4	9,300	220
230	25.9	240.6	14,100	32.3	259.4	12,300	37.6	272.3	10,500	42.2	281.0	8,200	230
232	24.5	235.7	13,800	31.3	255.8	12,100	36.7	269.4	10,200	41.4	278.6	8,000	232
237	21.0	223.3	13,200	28.6	246.9	11,500	34.5	262.3	9,700	39.4	272.6	7,500	237
240	19.0	216.0	12,900	27.0	241.6	11,200	33.1	258.0	9,300	38.2	269.0	7,200	240
244	14.2	198.2	11,800	24.4	232.3	10,800	31.0	251.2	8,900	36.4	263.4	6,800	244
250	7.1	171.6	10,200	20.5	218.5	10,200	27.9	240.8	8,300	33.7	255.0	6,200	250
251	4.3	160.9	9,500	19.4	214.8	10,100	27.3	238.6	8,200	33.2	253.4	6,100	251
260				10.4	181.4	9,200	21.6	218.8	7,300	28.6	238.3	5,300	260
263				3.8	156.3	8,900	18.9	208.9	7,000				263
270							12.6	185.6	6,300				270
275							0.5	139.6	5,800				275

# MLC250 S-3

ASME B30.5



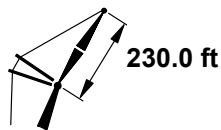
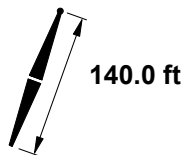
	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
69	76.0	370.9	31,400							69
70	75.8	370.6	31,400							70
75	74.5	369.3	31,200							75
80	73.2	367.8	30,800							80
82	72.6	367.1	30,700	73.9	368.3	35,600				82
85	71.9	366.2	30,400	73.1	367.4	35,400				85
90	70.5	364.4	30,000	71.8	365.8	35,200				90
95	69.2	362.6	29,600	70.5	364.1	34,900				95
100	67.9	360.6	29,200	69.2	362.2	34,700				100
101	67.6	360.2	29,100	68.9	361.8	34,600	70.8	363.7	34,100	101
105	66.5	358.4	28,800	67.8	360.2	34,400	69.8	362.2	34,000	105
110	65.1	356.2	28,400	66.5	358.1	34,100	68.4	360.3	33,800	110
115	63.8	353.7	28,100	65.1	355.8	33,000	67.1	358.2	33,700	115
119	62.6	351.7	27,300	64.0	353.8	32,100	66.0	356.5	33,600	119
120	62.4	351.2	27,100	63.7	353.3	31,900	65.7	356.0	33,500	120
125	60.9	348.4	25,900	62.3	350.8	30,800	64.4	353.7	33,400	125
130	59.5	345.5	24,900	60.9	348.0	29,600	63.0	351.1	33,200	130
135	58.0	342.5	23,800	59.5	345.1	28,500	61.6	348.5	33,000	135
140	56.6	339.2	22,700	58.0	342.0	27,300	60.1	345.7	32,900	140
145	55.0	335.8	21,800	56.5	338.8	26,200	58.7	342.7	32,400	145
149	53.8	332.8	21,000	55.3	336.0	25,400	57.5	340.1	31,100	149
150	53.5	332.1	20,800	55.0	335.3	25,200	57.2	339.5	30,800	150
155	51.9	328.3	19,900	53.5	331.7	24,100	55.7	336.1	29,300	155
160	50.3	324.2	19,000	51.9	327.8	23,100	54.2	332.6	27,900	160
165	48.7	319.9	18,200	50.3	323.8	22,100	52.6	328.8	26,600	165
170	47.0	315.3	17,500	48.6	319.4	21,100	51.0	324.8	25,400	170
178	44.2	307.3	16,300	45.9	311.9	19,700	48.4	317.9	23,500	178
180	43.5	305.3	16,000	45.2	310.0	19,300	47.7	316.2	23,000	180
190	39.7	293.9	14,800	41.6	299.3	17,800	44.2	306.4	20,500	190
200	35.6	280.7	13,700	37.6	287.0	16,400	40.5	295.3	18,400	200
206	32.8	271.5	13,100	35.0	278.5	15,700	38.1	287.7	17,200	206
210	31.0	265.3	12,800	33.3	272.8	15,200	36.5	282.6	16,400	210
220	25.7	246.5	12,000	28.4	255.8	13,600	32.0	267.7	14,700	220
230	19.0	221.8	10,800	22.5	234.5	12,100	26.9	249.8	13,100	230
240	8.1	179.3	7,300	14.5	204.1	9,600	20.6	226.7	11,700	240
242	2.3	156.0	5,800	10.6	188.7	8,600	18.8	219.6	11,200	242
247				1.0	150.2	5,900	14.2	201.8	10,000	247
250							11.4	191.1	9,200	250
254							3.2	158.6	7,100	254
255										255
260										260
261										261
270										270
273										273
280										280

# MLC250 S-3

ASME B30.5



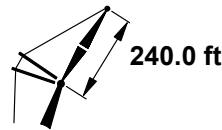
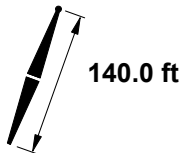
219,600 lb  
+  
80,000 lb



	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
69													69
70													70
75													75
80													80
82													82
85													85
90													90
95													95
100													100
101													101
105													105
110													110
115													115
119	68.0	358.4	35,800										119
120	67.7	358.0	35,800										120
125	66.3	355.8	35,800										125
130	65.0	353.5	35,800										130
135	63.6	351.1	34,100										135
140	62.2	348.5	32,300										140
145	60.8	345.7	30,600										145
149	59.6	343.4	29,400	63.0	347.2	26,500							149
150	59.3	342.8	29,100	62.7	346.6	26,200							150
155	57.9	339.7	27,600	61.3	344.0	24,800							155
160	56.4	336.4	26,300	59.9	341.1	23,600							160
165	54.9	333.0	25,000	58.4	338.1	22,400							165
170	53.3	329.3	23,900	56.9	334.9	21,300							170
178	50.8	322.9	22,100	54.5	329.3	19,700	58.0	333.3	17,400				178
180	50.1	321.3	21,700	53.9	327.9	19,300	57.4	332.0	17,000				180
190	46.8	312.4	19,800	50.7	320.1	17,600	54.4	325.2	15,400				190
200	43.2	302.3	18,100	47.4	311.3	16,000	51.2	317.5	13,900				200
206	41.0	295.4	17,100	45.3	305.4	15,100	49.3	312.3	13,100	52.9	316.8	10,600	206
210	39.4	290.8	16,500	43.9	301.4	14,500	48.0	308.9	12,600	51.6	313.6	10,100	210
220	35.3	277.5	15,100	40.2	290.2	13,200	44.5	299.2	11,200	48.4	305.1	8,900	220
230	30.7	261.9	13,800	36.1	277.3	12,000	40.8	288.2	10,000	44.9	295.6	7,700	230
240	25.3	242.8	12,600	31.6	262.2	10,900	36.8	275.6	8,900	41.2	284.8	6,700	240
242	24.0	237.8	12,400	30.6	258.6	10,700	35.9	272.7	8,700	40.4	282.3	6,500	242
247	20.6	225.1	11,700	28.0	249.4	10,200	33.7	265.3	8,200	38.5	276.1	6,000	247
250	18.5	217.6	11,300	26.4	243.9	9,900	32.4	260.9	7,800	37.3	272.4	5,800	250
254	14.9	203.6	10,700	24.0	235.2	9,500	30.4	254.2	7,400	35.6	266.9	5,400	254
255	14.0	200.1	10,600	23.4	233.0	9,400	29.9	252.6	7,300	35.2	265.5	5,300	255
260	6.9	172.2	8,600	20.0	220.2	8,900	27.3	243.3	6,900				260
261	4.2	161.3	7,900	19.0	216.4	8,800	26.7	241.0	6,800				261
270				10.2	182.3	7,900	21.1	220.7	6,000				270
273				3.8	156.6	7,600	18.5	210.5	5,700				273
280							12.3	186.7	5,100				280

# MLC250 S-3

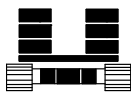
ASME B30.5



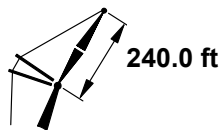
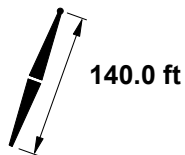
ft	88°			86°			83°			ft
	ft	lb	ft	ft	lb	ft	ft	lb	ft	
73	75.9	380.5	28,100							73
75	75.4	380.0	27,900							75
80	74.2	378.6	27,700							80
85	72.9	377.1	27,400							85
86	72.7	376.7	27,400	73.9	377.9	29,500				86
90	71.7	375.4	27,200	72.9	376.7	29,500				90
95	70.4	373.7	27,000	71.6	375.1	29,500				95
100	69.1	371.8	26,600	70.4	373.3	29,500				100
105	67.9	369.8	26,300	69.1	371.4	29,500	71.0	373.3	29,500	105
110	66.6	367.7	25,900	67.8	369.4	29,500	69.7	371.5	29,500	110
115	65.2	365.4	25,600	66.5	367.3	29,500	68.4	369.5	29,500	115
120	63.9	363.0	25,300	65.2	365.0	29,500	67.1	367.5	29,500	120
124	62.8	361.0	25,000	64.1	363.1	29,500	66.1	365.7	29,500	124
125	62.6	360.5	25,000	63.9	362.6	29,500	65.8	365.3	29,500	125
130	61.2	357.7	24,300	62.5	360.1	28,500	64.5	362.9	29,400	130
135	59.8	354.9	23,400	61.2	357.3	27,600	63.2	360.4	29,200	135
140	58.4	351.9	22,400	59.8	354.5	26,600	61.8	357.8	29,000	140
145	57.0	348.7	21,500	58.4	351.4	25,600	60.4	355.0	28,900	145
150	55.6	345.3	20,700	57.0	348.2	24,700	59.1	352.0	28,700	150
155	54.1	341.7	19,800	55.6	344.9	23,700	57.6	348.9	28,500	155
160	52.6	338.0	18,900	54.1	341.3	22,800	56.2	345.6	27,600	160
165	51.1	334.0	18,100	52.6	337.5	21,900	54.8	342.1	26,300	165
170	49.6	329.8	17,300	51.1	333.6	21,000	53.3	338.5	25,000	170
175	48.0	325.4	16,600	49.5	329.4	20,200	51.8	334.6	23,900	175
180	46.3	320.7	16,000	47.9	324.9	19,400	50.2	330.5	22,800	180
185	44.6	315.7	15,300	46.3	320.2	18,600	48.7	326.2	21,800	185
190	42.9	310.4	14,700	44.6	315.3	17,800	47.0	321.6	20,600	190
195	41.1	304.8	14,100	42.9	310.0	17,100	45.4	316.7	19,400	195
200	39.2	298.8	13,600	41.1	304.3	16,400	43.7	311.6	18,300	200
205	37.3	292.4	13,100	39.2	298.4	15,800	41.9	306.1	17,300	205
210	35.3	285.5	12,600	37.3	291.9	15,000	40.1	300.3	16,300	210
213	34.0	281.1	12,400	36.0	287.8	14,500	38.9	296.6	15,800	213
215	33.1	278.1	12,200	35.2	285.0	14,200	38.2	294.1	15,400	215
220	30.9	270.0	11,800	33.1	277.6	13,400	36.2	287.4	14,500	220
225	28.4	261.1	11,400	30.8	269.5	12,600	34.1	280.2	13,700	225
230	25.8	251.2	10,800	28.4	260.5	11,900	31.9	272.4	12,900	230
240	19.5	226.8	9,300	22.8	239.3	10,500	26.9	254.5	11,500	240
250	9.8	187.7	6,300	15.3	209.8	8,300	21.0	231.6	10,200	250
255				9.7	186.6	6,600	17.3	217.0	9,500	255
260							12.6	197.8	8,000	260
265							3.9	161.8	5,800	265
270										270
272										272
280										280
284										284

# MLC250 S-3

ASME B30.5



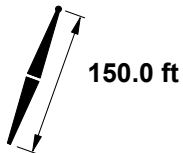
219,600 lb  
+  
80,000 lb



	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
73													73
75													75
80													80
85													85
86													86
90													90
95													95
100													100
105													105
110													110
115													115
120													120
124	68.0	367.6	29,500										124
125	67.7	367.2	29,500										125
130	66.4	365.1	29,500										130
135	65.1	362.8	29,500										135
140	63.8	360.3	29,500										140
145	62.4	357.8	29,500										145
150	61.1	355.1	28,700										150
155	59.7	352.2	27,300	62.9	355.9	24,400							155
160	58.3	349.1	25,900	61.6	353.3	23,200							160
165	56.9	345.9	24,700	60.2	350.4	22,000							165
170	55.4	342.5	23,500	58.8	347.5	20,900							170
175	53.9	338.9	22,400	57.4	344.3	19,900							175
180	52.5	335.1	21,300	56.0	341.0	18,900							180
185	50.9	331.2	20,300	54.5	337.5	18,000	57.8	341.5	15,700				185
190	49.4	326.9	19,400	53.0	333.8	17,100	56.4	338.2	14,900				190
195	47.8	322.5	18,500	51.5	329.8	16,300	55.0	334.7	14,200				195
200	46.1	317.7	17,700	50.0	325.7	15,500	53.5	331.1	13,400				200
205	44.4	312.7	16,900	48.4	321.3	14,800	52.0	327.3	12,600				205
210	42.7	307.4	16,100	46.7	316.7	14,100	50.4	323.2	11,900				210
213	41.6	304.0	15,700	45.7	313.8	13,700	49.5	320.6	11,500	53.0	324.9	9,000	213
215	40.9	301.8	15,400	45.1	311.8	13,400	48.9	318.9	11,200	52.4	323.3	8,800	215
220	39.0	295.7	14,700	43.3	306.6	12,800	47.3	314.4	10,600	50.8	319.3	8,200	220
225	37.1	289.3	14,100	41.6	301.1	12,200	45.6	309.6	10,000	49.3	315.1	7,600	225
230	35.0	282.3	13,500	39.7	295.2	11,600	43.9	304.5	9,400	47.7	310.6	7,100	230
240	30.6	266.6	12,300	35.8	282.2	10,500	40.3	293.3	8,200	44.3	300.9	6,000	240
250	25.4	247.6	11,100	31.5	266.9	9,400	36.4	280.5	7,200	40.8	289.8	5,100	250
255	22.5	236.1	10,400	29.1	258.3	8,900	34.4	273.4	6,700				255
260	19.0	222.7	9,800	26.5	248.6	8,400	32.2	265.7	6,300				260
265	14.9	206.0	9,200	23.6	237.8	7,900	29.8	257.3	5,800				265
270	8.9	181.6	7,500	20.4	225.2	7,400	27.3	248.0	5,400				270
272	4.7	164.0	6,500	18.6	218.1	7,200							272
280				11.5	189.5	6,400							280
284				4.3	159.5	6,000							284

# MLC250 S-3

ASME B30.5

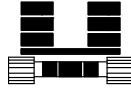


	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
32	74.9	225.3	129,500 d							32
34	73.2	224.6	127,400 d							34
36	71.4	224.0	125,400 d							36
38	69.7	223.2	123,300 d							38
39	68.8	222.8	123,100 d	73.4	224.4	133,300 d				39
40	67.9	222.4	122,900 c	72.5	224.0	131,300 d				40
45	63.4	220.0	114,400 b	68.1	222.1	122,300 c				45
50	58.7	217.1	106,800 b	63.6	219.8	114,100 b	70.6	222.4	125,000 d	50
55	53.7	213.6	100,000	58.9	216.9	106,600 b	66.2	220.3	116,800 b	55
60	48.3	209.4	94,100	53.9	213.5	99,900	61.6	217.7	109,200 b	60
61	47.1	208.4	92,500	52.8	212.6	98,700	60.6	217.1	107,900 b	61
65	42.5	204.3	86,200	48.6	209.3	94,000	56.7	214.6	102,500	65
70	35.8	197.9	79,200	42.7	204.2	88,700	51.6	210.9	94,300	70
75	27.8	189.5	73,800	36.1	197.9	84,100	46.1	206.3	86,500	75
79	18.7	179.1	71,000	29.8	191.3	80,200	41.2	201.9	81,100	79
80	16.4	176.5	70,300	28.2	189.6	79,200	40.0	200.8	79,700	80
82	7.9	166.3	59,300	23.8	184.6	76,900	37.1	197.9	77,400	82
85				17.1	177.0	73,500	32.9	193.7	73,800	85
87				9.3	167.7	62,900	29.3	189.8	71,800	87
90							24.0	184.1	68,600	90
95							8.1	165.4	63,900	95
97										97
100										100
103										103
105										105
110										110
114										114
115										115
116										116
120										120
125										125
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140										140

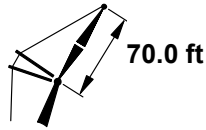
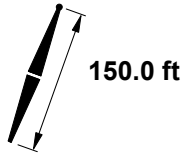


# MLC250 S-3

ASME B30.5



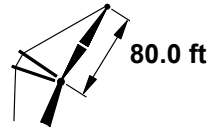
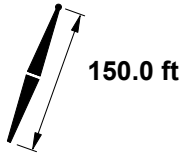
219,600 lb  
+  
80,000 lb



	80°			75°			70°			65°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
32													32
34													34
36													36
38													38
39													39
40													40
45													45
50													50
55													55
60													60
61	67.7	219.8	108,100 c										61
65	64.1	217.9	99,700 b										65
70	59.4	215.1	90,800 b										70
75	54.5	211.7	83,200										75
79	50.2	208.5	78,000	62.9	214.2	72,900 b							79
80	49.2	207.6	76,700	62.0	213.7	71,700 b							80
82	46.9	205.7	74,500	60.1	212.5	69,600 b							82
85	43.4	202.7	71,100	57.2	210.6	66,400							85
87	40.8	200.2	69,100	55.2	209.2	64,600							87
90	36.9	196.5	66,100	52.1	206.9	61,800							90
95	29.2	188.5	61,700	46.6	202.5	57,700							95
97	25.0	183.8	60,100	44.2	200.3	56,200	57.6	206.8	52,300 b				97
100	18.7	176.7	57,700	40.6	197.0	54,000	54.6	204.7	50,300				100
103	6.1	161.7	55,400	36.4	192.9	52,100	51.5	202.3	48,500				103
105				33.6	190.2	50,700	49.4	200.6	47,200				105
110				25.0	180.9	47,700	43.6	195.7	44,500				110
114				13.6	167.6	45,500	38.4	190.8	42,400	52.6	198.0	39,300	114
115				10.8	164.3	44,900	37.1	189.6	41,900	51.5	197.2	38,800	115
116				1.9	153.6	44,300	35.6	188.0	41,500	50.4	196.3	38,400	116
120							29.5	181.7	39,600	46.0	192.6	36,700	120
125							19.1	170.0	37,400	39.9	187.0	34,700	125
128							7.4	156.1	36,100	35.6	182.8	33,600	128
130										32.8	180.0	32,900	130
135										23.8	170.2	31,200	135
140										7.5	151.1	29,500	140

# MLC250 S-3

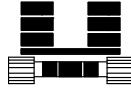
ASME B30.5



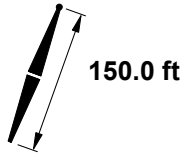
	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
34	75.3	235.1	116,400 d							34
36	73.8	234.5	114,800 d							36
38	72.3	233.8	113,000 d							38
40	70.8	233.1	111,300 c							40
41	70.0	232.7	110,500 c	74.0	234.2	124,400 d				41
45	67.0	231.1	107,200 b	71.0	232.9	118,000 c				45
50	63.0	228.7	103,500 b	67.1	230.9	110,400 b				50
53	60.5	226.9	99,600 b	64.7	229.4	106,200 b	70.8	231.9	116,000 c	53
55	58.8	225.8	97,100	63.1	228.5	103,400 b	69.3	231.2	113,100 b	55
60	54.5	222.4	90,800	59.0	225.6	97,100	65.4	229.0	106,100 b	60
65	49.9	218.4	82,800	54.7	222.2	91,400	61.4	226.4	99,700	65
70	45.0	213.6	75,700	50.1	218.2	86,300	57.1	223.3	93,800	70
75	39.5	208.0	69,700	45.2	213.5	81,700	52.7	219.7	86,100	75
80	33.4	200.9	64,600	39.8	207.9	76,900	48.0	215.4	79,400	80
84	27.4	193.6	61,500	34.9	202.3	72,200	43.9	211.3	74,700	84
85	25.9	191.8	60,800	33.7	200.9	71,000	42.9	210.3	73,500	85
90	15.3	177.8	58,000	26.3	192.0	66,300	37.2	204.2	68,400	90
92	7.3	166.9	52,700	22.1	186.5	65,000	34.6	201.1	66,600	92
95				15.9	178.3	63,000	30.6	196.5	63,800	95
97				8.6	168.4	55,900	27.3	192.3	62,200	97
100							22.3	186.0	59,800	100
102							16.4	178.0	58,200	102
105							7.5	165.9	56,000	105
110										110
113										113
115										115
120										120
125										125
126										126
130										130
135										135
138										138
140										140
145										145
150										150

# MLC250 S-3

ASME B30.5



219,600 lb  
+  
80,000 lb



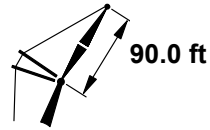
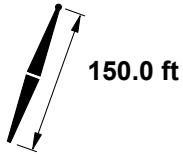
	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
34													34
36													36
38													38
40													40
41													41
45													45
50													50
53													53
55													55
60													60
65	67.6	229.0	99,100 b										65
70	63.6	226.6	90,200 b										70
75	59.5	223.8	82,700										75
80	55.2	220.5	76,200										80
84	51.5	217.3	71,800	62.6	222.9	66,800							84
85	50.6	216.5	70,600	61.8	222.4	65,800							85
90	45.8	211.9	65,700	57.6	219.3	61,200							90
92	43.6	209.7	64,000	55.8	217.9	59,600							92
95	40.4	206.4	61,300	53.2	215.7	57,200							95
97	38.0	203.7	59,800	51.3	214.1	55,700							97
100	34.4	199.7	57,500	48.5	211.5	53,500							100
102	31.5	196.2	56,000	46.4	209.5	52,200	57.9	215.5	48,400				102
105	27.2	191.0	53,900	43.4	206.5	50,300	55.3	213.4	46,600				105
110	17.4	178.2	50,700	37.8	200.5	47,300	50.8	209.5	43,900				110
113	5.7	162.1	48,800	33.9	196.0	45,700	47.9	206.8	42,400				113
115				31.3	193.0	44,600	45.9	204.9	41,400				115
120				23.3	182.9	42,200	40.6	199.5	39,100	52.6	206.0	36,100	120
125				10.0	165.1	39,800	34.6	192.7	37,000	47.9	201.7	34,100	125
126				1.7	153.5	39,300	33.2	191.0	36,600	46.9	200.7	33,800	126
130							27.5	184.1	35,100	42.8	196.6	32,400	130
135							17.8	171.5	33,300	37.1	190.4	30,700	135
138							6.9	156.6	32,100	33.2	185.8	29,800	138
140										30.5	182.7	29,200	140
145										22.2	172.2	27,700	145
150										7.0	151.6	26,200	150

# MLC250 S-3

ASME B30.5



219,600 lb  
+  
80,000 lb



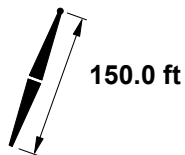
	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
36	75.7	244.9	105,300 d							36
38	74.4	244.3	104,000 d							38
40	73.0	243.7	102,600 c							40
44	70.3	242.3	99,800 c	73.8	243.7	115,300 d				44
45	69.6	241.9	99,100 b	73.2	243.4	113,900 c				45
50	66.2	239.8	95,700 b	69.8	241.7	107,000 b				50
55	62.6	237.4	93,900	66.4	239.6	100,500 b				55
56	61.9	236.8	92,800	65.6	239.1	99,400 b	71.0	241.5	108,100 b	56
60	59.0	234.5	88,200	62.8	237.1	94,600	68.3	239.9	103,200 b	60
65	55.1	231.1	80,800	59.1	234.2	89,200	64.8	237.7	97,200	65
69	51.9	228.0	75,200	56.1	231.6	85,300	61.9	235.6	92,800	69
70	51.1	227.3	73,800	55.3	230.9	84,300	61.2	235.0	91,700	70
75	46.8	222.8	67,700	51.3	227.1	79,900	57.5	232.0	85,800	75
80	42.2	217.5	62,400	47.0	222.6	75,400	53.6	228.4	79,100	80
85	37.2	211.3	57,800	42.4	217.4	69,400	49.5	224.3	73,300	85
88	33.7	206.8	55,500	39.4	213.7	66,200	46.8	221.5	70,200	88
90	31.4	203.8	54,000	37.4	211.3	64,100	45.1	219.6	68,200	90
95	24.4	194.0	51,200	31.7	203.8	59,600	40.3	214.0	63,700	95
100	14.3	179.1	49,800	24.7	194.1	56,100	35.0	207.3	59,600	100
102	6.8	167.4	46,800	20.8	188.3	55,200	32.5	204.0	58,200	102
105				14.9	179.6	53,900	28.8	199.0	56,000	105
107				8.1	169.0	49,300	25.7	194.5	54,700	107
108							24.1	192.3	54,000	108
110							21.0	187.8	52,700	110
115							7.0	166.5	49,600	115
120										120
123										123
125										125
126										126
130										130
135										135
136										136
140										140
145										145
148										148
150										150
155										155
160										160

# MLC250 S-3

ASME B30.5



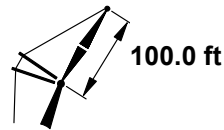
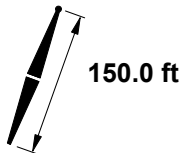
219,600 lb  
+  
80,000 lb



	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
36													36
38													38
40													40
44													44
45													45
50													50
55													55
56													56
60													60
65													65
69	67.4	238.1	91,500 b										69
70	66.7	237.7	89,900 b										70
75	63.2	235.3	82,400										75
80	59.5	232.4	75,900										80
85	55.7	229.2	70,300										85
88	53.3	226.9	67,400	63.0	232.1	62,600							88
90	51.8	225.4	65,400	61.6	231.0	60,900							90
95	47.5	221.0	61,100	57.8	228.0	56,800							95
100	43.0	215.9	57,200	54.0	224.5	53,200							100
102	41.0	213.5	55,800	52.3	222.9	51,900							102
105	38.0	209.9	53,800	49.9	220.5	50,000							105
107	35.7	207.0	52,500	48.1	218.6	48,800							107
108	34.6	205.5	51,900	47.2	217.7	48,200	57.4	223.5	44,500				108
110	32.3	202.6	50,600	45.5	215.8	47,000	55.9	222.1	43,500				110
115	25.6	193.2	47,800	40.8	210.3	44,400	51.9	218.4	41,000				115
120	16.3	179.6	45,100	35.5	203.7	42,000	47.7	214.0	38,800				120
123	5.3	162.5	43,500	31.9	198.9	40,600	44.9	211.0	37,500				123
125				29.5	195.6	39,700	43.1	208.9	36,700				125
126				27.9	193.5	39,300	42.1	207.7	36,300	52.7	214.0	33,400	126
130				21.9	184.8	37,700	38.1	202.9	34,800	49.4	210.7	32,000	130
135				9.4	165.9	35,700	32.5	195.7	33,100	45.0	205.9	30,400	135
136				1.5	153.5	35,200	31.2	193.8	32,700	44.0	204.8	30,100	136
140							25.8	186.4	31,400	40.2	200.3	28,800	140
145							16.7	173.0	29,800	34.9	193.6	27,400	145
148							6.4	157.1	28,900	31.2	188.6	26,600	148
150										28.7	185.3	26,100	150
155										20.9	174.0	24,900	155
160										6.5	152.1	23,600	160

# MLC250 S-3

ASME B30.5



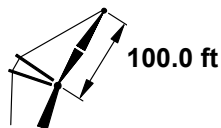
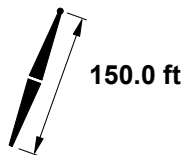
	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
38	76.0	254.7	95,400 d							38
40	74.8	254.2	94,300 c							40
45	71.8	252.6	91,400 b							45
47	70.5	251.8	90,700 b	73.7	253.3	106,900 b				47
50	68.7	250.7	89,700	71.9	252.3	103,200 b				50
55	65.6	248.5	87,000	68.9	250.5	97,300				55
60	62.4	246.0	84,400	65.7	248.3	91,800	70.6	250.7	99,700 b	60
65	59.1	243.1	77,900	62.5	245.8	86,700	67.5	248.7	94,400	65
70	55.6	239.8	71,700	59.2	242.9	82,000	64.3	246.4	89,200	70
72	54.2	238.3	69,300	57.8	241.6	80,300	63.0	245.3	87,300	72
75	52.1	236.1	65,800	55.8	239.6	77,800	61.1	243.7	84,500	75
80	48.3	231.8	60,600	52.2	235.9	73,800	57.7	240.7	78,600	80
85	44.3	226.9	56,100	48.5	231.6	68,100	54.2	237.2	72,800	85
90	39.9	221.2	52,000	44.5	226.8	62,600	50.6	233.2	67,700	90
93	37.1	217.2	49,900	41.9	223.4	59,800	48.3	230.5	65,000	93
95	35.1	214.5	48,500	40.1	221.1	58,000	46.7	228.7	63,200	95
100	29.7	206.4	45,600	35.4	214.5	53,900	42.6	223.5	59,200	100
105	23.1	196.0	43,500	30.0	206.5	50,500	38.1	217.5	55,700	105
110	13.6	180.2	42,400	23.4	196.2	47,700	33.1	210.3	52,400	110
112	6.4	167.9	41,300	19.7	190.0	47,100	30.8	206.8	51,200	112
113				17.8	187.0	46,700	29.6	205.0	50,600	113
115				14.1	180.8	46,100	27.3	201.4	49,500	115
117				7.6	169.6	43,000	24.3	196.7	48,400	117
120							19.9	189.6	46,700	120
125							6.6	167.0	43,800	125
130										130
132										132
133										133
135										135
140										140
145										145
146										146
150										150
155										155
158										158
160										160
165										165
170										170

# MLC250 S-3

ASME B30.5



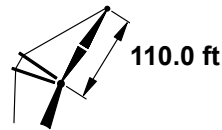
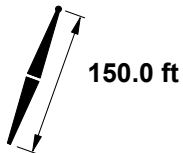
219,600 lb  
+  
80,000 lb



	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
38													38
40													40
45													45
47													47
50													50
55													55
60													60
65													65
70													70
72	68.0	247.7	86,100										72
75	66.1	246.4	81,800										75
80	62.9	243.9	75,400										80
85	59.6	241.1	69,800										85
90	56.2	237.9	64,900										90
93	54.0	235.7	62,300	62.7	240.8	57,700							93
95	52.6	234.2	60,600	61.4	239.7	56,200							95
100	48.9	230.0	56,700	58.1	236.7	52,600							100
105	44.9	225.2	53,300	54.6	233.2	49,400							105
110	40.6	219.7	50,200	51.0	229.3	46,500							110
112	38.7	217.0	49,100	49.4	227.6	45,400							112
113	37.8	215.7	48,500	48.6	226.7	44,900	57.7	232.2	41,300				113
115	35.9	213.1	47,400	47.1	224.9	43,900	56.3	230.8	40,400				115
117	33.8	210.0	46,300	45.5	222.8	42,900	54.9	229.4	39,500				117
120	30.6	205.3	44,800	43.0	219.8	41,500	52.7	227.2	38,200				120
125	24.2	195.3	42,400	38.6	213.8	39,300	49.0	223.0	36,100				125
130	15.4	180.9	40,200	33.6	206.8	37,200	45.0	218.2	34,200				130
132	8.5	168.9	39,300	31.3	203.3	36,500	43.3	216.0	33,600	52.7	222.0	30,700	132
133	5.0	162.9	38,800	30.2	201.6	36,100	42.5	214.9	33,200	52.0	221.2	30,300	133
135				27.9	198.1	35,400	40.8	212.7	32,500	50.5	219.6	29,700	135
140				20.7	186.6	33,600	36.1	206.2	30,900	46.7	215.0	28,200	140
145				8.9	166.6	31,900	30.8	198.4	29,400	42.5	209.8	26,800	145
146				1.3	153.4	31,500	29.5	196.4	29,100	41.6	208.6	26,600	146
150							24.4	188.5	28,000	38.0	203.8	25,600	150
155							15.8	174.3	26,600	33.0	196.6	24,300	155
158							6.0	157.6	25,800	29.5	191.2	23,700	158
160										27.2	187.7	23,200	160
165										19.7	175.7	22,100	165
170										6.1	152.6	21,000	170

# MLC250 S-3

ASME B30.5



	88°			86°			83°			
	ft	ft	lb	ft	lb	ft	lb	ft		
41	75.7	264.3	86,200 c						41	
45	73.5	263.1	85,600 b						45	
50	70.7	261.4	83,100	73.6	262.8	99,500 b			50	
55	67.9	259.5	79,600	70.9	261.2	94,200			55	
60	65.1	257.2	77,400	68.1	259.2	89,100			60	
63	63.3	255.7	75,900	66.4	257.9	86,300	70.8	260.2	93,400	63
65	62.2	254.7	74,900	65.2	257.0	84,400	69.6	259.5	91,500	65
70	59.2	251.8	69,400	62.3	254.4	79,900	66.8	257.4	86,800	70
75	56.0	248.5	64,200	59.3	251.6	75,900	63.9	255.0	82,400	75
76	55.4	247.8	63,100	58.7	250.9	75,100	63.3	254.5	81,500	76
80	52.8	244.9	59,100	56.2	248.3	71,800	61.0	252.4	78,200	80
85	49.4	240.7	54,700	53.0	244.7	66,500	57.9	249.3	72,700	85
90	45.9	236.1	50,800	49.6	240.6	61,700	54.8	245.9	67,600	90
95	42.1	230.8	47,100	46.0	235.9	57,000	51.5	242.1	63,200	95
98	39.6	227.1	45,300	43.8	232.8	54,500	49.4	239.5	60,800	98
100	38.0	224.7	44,100	42.3	230.7	52,800	48.1	237.7	59,200	100
105	33.4	217.5	41,300	38.2	224.6	49,200	44.4	232.8	55,600	105
110	28.2	208.9	39,100	33.6	217.5	46,000	40.5	227.2	52,400	110
115	21.9	197.9	37,400	28.5	209.0	43,300	36.2	220.8	49,400	115
118	16.5	187.9	37,000	24.8	202.5	42,000	33.4	216.2	47,800	118
120	12.9	181.3	36,800	22.3	198.1	41,100	31.5	213.1	46,800	120
122	6.1	168.4	36,600	18.7	191.7	40,600	29.3	209.4	45,800	122
125				13.4	182.0	39,900	25.9	203.7	44,300	125
127				7.2	170.2	38,000	23.1	198.7	43,400	127
130							18.9	191.2	42,000	130
135							6.3	167.5	38,800	135
138										138
140										140
143										143
145										145
150										150
155										155
156										156
160										160
165										165
168										168
170										170
175										175
180										180

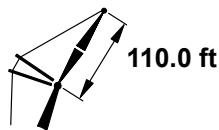
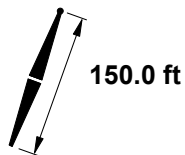


# MLC250 S-3

ASME B30.5



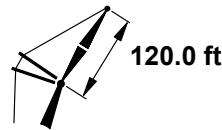
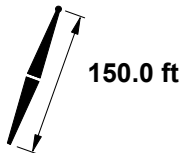
219,600 lb  
+  
80,000 lb



	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
41													41
45													45
50													50
55													55
60													60
63													63
65													65
70													70
75													75
76	67.8	256.9	80,300										76
80	65.5	255.1	75,200										80
85	62.6	252.6	69,600										85
90	59.6	249.8	64,800										90
95	56.5	246.6	60,500										95
98	54.6	244.4	58,200	62.5	249.4	53,800							98
100	53.3	243.0	56,600	61.3	248.3	52,400							100
105	50.0	238.9	53,200	58.2	245.3	49,200							105
110	46.4	234.3	50,100	55.1	242.0	46,300							110
115	42.7	229.1	47,300	51.8	238.2	43,700							115
118	40.3	225.6	45,800	49.8	235.6	42,300	57.9	240.8	38,900				118
120	38.6	223.2	44,700	48.4	233.9	41,300	56.6	239.5	38,000				120
122	36.8	220.4	43,800	46.9	231.9	40,500	55.4	238.1	37,200				122
125	34.2	216.2	42,400	44.8	229.0	39,200	53.4	235.9	36,000				125
127	32.1	212.9	41,500	43.2	226.8	38,400	52.1	234.3	35,200				127
130	29.1	207.9	40,200	40.9	223.5	37,100	50.1	231.9	34,100				130
135	23.0	197.4	38,200	36.7	217.1	35,300	46.6	227.3	32,400				135
138	18.0	188.2	37,100	33.9	212.6	34,300	44.3	224.2	31,400	52.8	230.0	28,600	138
140	14.7	182.1	36,300	32.0	209.6	33,600	42.8	222.2	30,800	51.5	228.4	28,100	140
143	4.7	163.2	35,200	28.7	204.1	32,600	40.4	218.6	29,900	49.4	225.8	27,300	143
145				26.5	200.5	32,000	38.8	216.2	29,300	48.0	224.1	26,700	145
150				19.7	188.3	30,400	34.3	209.3	27,900	44.4	219.1	25,400	150
155				8.4	167.3	29,000	29.3	201.0	26,600	40.4	213.5	24,200	155
156				1.2	153.4	28,600	28.1	198.9	26,400	39.6	212.2	24,000	156
160							23.2	190.6	25,400	36.2	207.1	23,100	160
165							15.0	175.6	24,200	31.4	199.4	22,100	165
168							5.7	158.0	23,500	28.1	193.7	21,400	168
170										25.8	190.0	21,000	170
175										18.8	177.3	20,100	175
180										5.8	153.0	19,100	180

# MLC250 S-3

ASME B30.5



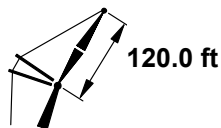
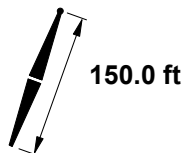
	88°			86°			83°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
43	75.9	274.1	78,500 b						43	
45	74.9	273.5	78,500 b						45	
50	72.4	272.0	75,800						50	
52	71.4	271.3	75,400	74.0	272.7	92,200 b			52	
55	69.9	270.2	74,900	72.5	271.7	90,800			55	
60	67.3	268.2	71,900	70.0	270.0	86,100			60	
65	64.7	265.9	70,100	67.4	268.0	81,800			65	
66	64.1	265.4	69,400	66.9	267.5	81,000	70.9	269.8	87,500	
70	62.0	263.3	66,900	64.8	265.7	77,600	68.9	268.3	84,100	
75	59.2	260.5	62,100	62.1	263.1	73,800	66.3	266.1	79,900	
80	56.4	257.2	57,700	59.4	260.2	69,700	63.6	263.7	76,000	
85	53.4	253.6	53,600	56.5	257.0	64,800	60.9	261.0	72,200	
90	50.4	249.6	49,600	53.6	253.5	60,300	58.1	258.0	67,200	
95	47.2	245.2	46,100	50.5	249.5	56,100	55.2	254.6	62,700	
100	43.8	240.1	43,000	47.3	245.0	52,200	52.3	250.9	58,700	
102	42.3	237.9	41,800	46.0	243.0	50,700	51.0	249.2	57,300	
105	40.2	234.5	40,200	44.0	240.0	48,400	49.1	246.7	55,100	
110	36.3	228.0	37,700	40.4	234.4	45,100	45.9	242.0	51,900	
115	31.9	220.4	35,600	36.5	227.9	42,200	42.4	236.8	49,000	
120	27.0	211.3	33,800	32.1	220.4	39,700	38.7	230.8	46,400	
124	22.2	202.1	32,800	28.2	213.2	38,000	35.4	225.3	44,400	
125	21.0	199.8	32,500	27.2	211.4	37,600	34.6	223.9	43,900	
130	12.3	182.3	32,100	21.3	200.0	35,900	30.1	215.8	41,700	
132	5.8	168.9	32,100	17.9	193.2	35,500	28.0	211.9	40,900	
135				12.8	183.0	34,900	24.8	205.9	39,600	
137				6.9	170.7	33,500	22.1	200.7	38,800	
140							18.1	192.8	37,700	
144							8.4	172.9	34,900	
145							6.0	168.0	34,200	
150									150	
153									153	
155									155	
160									160	
165									165	
166									166	
170									170	
175									175	
178									178	
180									180	
185									185	
190									190	

# MLC250 S-3

ASME B30.5



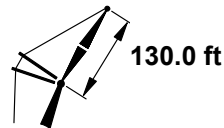
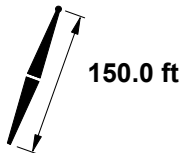
219,600 lb  
+  
80,000 lb



	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
43													43
45													45
50													50
52													52
55													55
60													60
65													65
66													66
70													70
75													75
80	67.7	266.0	74,600										80
85	65.1	263.8	69,100										85
90	62.4	261.3	64,200										90
95	59.7	258.4	59,900										95
100	56.8	255.3	56,100										100
102	55.7	253.8	54,700	62.8	258.6	50,500							102
105	53.9	251.7	52,700	61.2	257.0	48,600							105
110	50.9	247.8	49,600	58.4	254.0	45,800							110
115	47.7	243.4	46,800	55.5	250.7	43,200							115
120	44.3	238.5	44,300	52.5	247.0	40,800							120
124	41.5	234.0	42,400	50.1	243.6	39,000	57.5	248.9	35,700				124
125	40.8	232.9	41,900	49.4	242.8	38,600	56.9	248.2	35,300				125
130	36.9	226.5	39,800	46.2	238.2	36,600	54.0	244.7	33,500				130
132	35.2	223.6	39,000	44.8	236.1	35,900	52.8	243.1	32,800				132
135	32.7	219.2	37,800	42.7	233.0	34,800	51.0	240.8	31,800				135
137	30.7	215.6	37,100	41.3	230.6	34,100	49.7	239.0	31,200				137
140	27.8	210.4	36,000	39.1	227.1	33,100	47.8	236.4	30,200				140
144	23.2	201.5	34,600	35.8	221.7	31,800	45.1	232.4	29,000	52.8	238.0	26,300	144
145	22.0	199.3	34,300	35.0	220.3	31,500	44.4	231.5	28,700	52.2	237.2	26,100	145
150	14.0	183.3	32,600	30.6	212.4	30,000	40.9	225.9	27,400	49.1	233.0	24,800	150
153	4.5	163.6	31,600	27.4	206.6	29,200	38.6	222.1	26,600	47.1	230.2	24,100	153
155				25.3	202.7	28,600	37.0	219.6	26,100	45.8	228.3	23,600	155
160				18.8	190.0	27,300	32.8	212.3	24,900	42.3	223.1	22,500	160
165				8.0	168.0	26,000	28.0	203.5	23,800	38.6	217.1	21,500	165
166				1.0	153.4	25,700	26.8	201.3	23,600	37.8	215.7	21,300	166
170							22.2	192.5	22,700	34.6	210.2	20,500	170
175							14.3	176.8	21,700	30.0	202.1	19,600	175
178							5.4	158.5	21,000	26.8	196.1	19,000	178
180										24.7	192.1	18,700	180
185										17.9	178.9	17,800	185
190										5.5	153.4	16,900	190

# MLC250 S-3

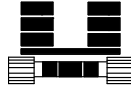
ASME B30.5



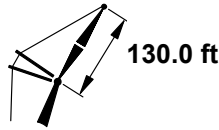
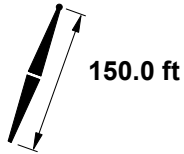
	88°			86°			83°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
46	75.6	283.6	72,500 b							46
50	73.8	282.5	70,200 b							50
55	71.5	280.9	69,500	73.9	282.2	83,900				55
60	69.1	279.0	66,900	71.6	280.6	82,800				60
65	66.7	276.9	66,100	69.2	278.8	79,300				65
69	64.8	275.1	64,200	67.3	277.1	76,300	71.0	279.3	82,200	69
70	64.3	274.6	63,700	66.9	276.7	75,500	70.6	279.0	81,400	70
75	61.8	272.0	60,400	64.4	274.4	72,000	68.2	277.0	77,800	75
80	59.3	269.1	56,300	61.9	271.8	67,800	65.8	274.8	74,100	80
84	57.2	266.6	53,300	59.9	269.5	64,400	63.8	272.9	71,400	84
85	56.7	265.9	52,600	59.4	268.9	63,500	63.3	272.4	70,800	85
90	54.0	262.4	49,000	56.8	265.7	59,300	60.8	269.7	66,800	90
95	51.2	258.5	45,500	54.1	262.2	55,300	58.3	266.7	62,300	95
100	48.3	254.2	42,500	51.3	258.3	51,700	55.6	263.3	58,400	100
105	45.2	249.4	39,700	48.4	254.0	48,200	52.9	259.7	54,800	105
107	43.9	247.2	38,700	47.2	252.1	46,900	51.7	258.0	53,500	107
110	42.0	244.0	37,200	45.3	249.2	44,900	50.0	255.6	51,600	110
115	38.5	238.0	35,000	42.1	243.9	41,900	47.1	251.1	48,700	115
120	34.8	231.1	33,000	38.7	237.9	39,300	44.0	246.1	46,100	120
125	30.6	223.1	31,300	35.0	231.1	36,900	40.6	240.5	43,600	125
129	26.8	215.5	30,100	31.7	224.8	35,300	37.8	235.4	41,900	129
130	25.9	213.6	29,800	30.8	223.2	34,900	37.1	234.2	41,400	130
135	20.1	201.5	28,900	26.1	213.7	33,100	33.2	226.9	39,400	135
140	11.8	183.3	28,500	20.4	201.8	31,800	28.9	218.4	37,500	140
142	5.6	169.3	28,500	17.2	194.7	31,500	26.8	214.2	36,700	142
145				12.3	184.1	31,100	23.8	208.0	35,700	145
147				6.6	171.3	29,700	21.2	202.5	35,000	147
150							17.3	194.3	34,000	150
155							5.7	168.4	30,400	155
160										160
163										163
165										165
170										170
175										175
176										176
180										180
185										185
188										188
190										190
195										195
200										200

# MLC250 S-3

ASME B30.5



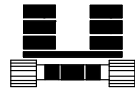
219,600 lb  
+  
80,000 lb



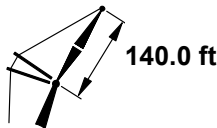
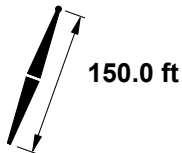
	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
46													46
50													50
55													55
60													60
65													65
69													69
70													70
75													75
80													80
84	67.6	275.2	69,700										84
85	67.1	274.8	68,700										85
90	64.7	272.5	63,800										90
95	62.2	269.9	59,600										95
100	59.7	267.1	55,700										100
105	57.1	263.9	52,300										105
107	56.0	262.5	51,100	62.6	267.3	47,000							107
110	54.4	260.5	49,200	61.1	265.7	45,300							110
115	51.6	256.6	46,500	58.5	262.7	42,700							115
120	48.7	252.4	43,900	55.9	259.4	40,400							120
125	45.7	247.6	41,600	53.2	255.7	38,200							125
129	43.1	243.4	39,900	50.9	252.5	36,600	57.7	257.5	33,400				129
130	42.5	242.4	39,500	50.3	251.7	36,200	57.2	256.9	33,100				130
135	39.1	236.5	37,500	47.4	247.3	34,400	54.5	253.4	31,400				135
140	35.4	229.7	35,700	44.3	242.3	32,700	51.7	249.6	29,800				140
142	33.8	226.6	35,000	42.9	240.1	32,100	50.5	247.9	29,200				142
145	31.3	222.0	34,000	41.0	236.8	31,100	48.8	245.4	28,400				145
147	29.5	218.3	33,400	39.6	234.2	30,600	47.6	243.5	27,800				147
150	26.7	212.7	32,400	37.4	230.5	29,700	45.8	240.6	27,000	52.8	246.0	24,400	150
155	21.1	201.1	30,900	33.6	223.3	28,300	42.6	235.4	25,700	50.0	241.9	23,200	155
160	13.5	184.5	29,500	29.3	215.0	27,000	39.2	229.5	24,500	47.0	237.4	22,100	160
163	4.3	163.9	28,600	26.3	208.9	26,300	37.0	225.5	23,900	45.1	234.4	21,500	163
165				24.3	204.8	25,800	35.5	222.8	23,400	43.9	232.4	21,100	165
170				18.1	191.5	24,700	31.4	215.1	22,400	40.6	226.8	20,100	170
175				7.7	168.6	23,500	26.8	205.9	21,400	37.0	220.4	19,200	175
176				0.9	153.3	23,200	25.7	203.6	21,200	36.2	219.0	19,000	176
180							21.3	194.4	20,400	33.1	213.2	18,300	180
185							13.8	178.0	19,500	28.8	204.6	17,500	185
188							5.2	158.9	18,900	25.7	198.4	17,000	188
190										23.7	194.2	16,700	190
195										17.2	180.4	16,000	195
200										5.3	153.8	15,200	200

# MLC250 S-3

ASME B30.5



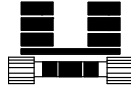
219,600 lb  
+  
80,000 lb



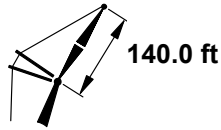
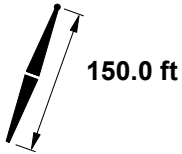
	88°			86°			83°			
	ft	ft	lb	ft	lb	ft	lb	ft		
48	75.8	293.4	66,200 b						48	
50	75.0	292.9	65,700 b						50	
55	72.9	291.4	63,400						55	
58	71.6	290.4	62,600	73.8	291.7	76,400			58	
60	70.7	289.7	62,100	73.0	291.1	76,300			60	
65	68.5	287.8	60,700	70.8	289.4	75,700			65	
70	66.3	285.7	59,300	68.6	287.5	72,700			70	
73	64.9	284.2	58,600	67.3	286.3	70,500	70.7	288.5	74,900	73
75	64.0	283.3	58,100	66.4	285.4	69,000	69.8	287.8	74,900	75
80	61.7	280.7	54,500	64.1	283.0	65,200	67.6	285.8	71,800	80
85	59.3	277.8	51,000	61.8	280.4	61,300	65.4	283.5	68,700	85
87	58.4	276.5	49,700	60.9	279.3	59,900	64.5	282.5	67,500	87
90	56.9	274.6	47,700	59.4	277.6	57,600	63.1	281.1	65,700	90
95	54.4	271.1	44,600	57.0	274.4	54,000	60.8	278.3	61,900	95
100	51.8	267.3	41,700	54.5	270.9	50,500	58.4	275.3	57,900	100
105	49.2	263.1	39,000	52.0	267.1	47,300	55.9	272.0	54,300	105
110	46.4	258.5	36,500	49.3	262.9	44,400	53.4	268.4	51,100	110
111	45.8	257.4	36,100	48.7	262.0	43,800	52.9	267.6	50,600	111
115	43.5	253.4	34,300	46.5	258.3	41,600	50.8	264.5	48,200	115
120	40.4	247.7	32,300	43.6	253.3	38,900	48.1	260.1	45,600	120
125	37.1	241.3	30,400	40.5	247.6	36,500	45.3	255.3	43,200	125
130	33.5	234.1	28,900	37.2	241.3	34,300	42.3	250.0	41,000	130
134	30.3	227.4	27,800	34.3	235.5	32,800	39.7	245.2	39,400	134
135	29.5	225.8	27,500	33.6	234.1	32,400	39.1	244.1	38,900	135
140	24.9	215.8	26,400	29.7	225.8	30,700	35.7	237.4	37,100	140
145	19.4	203.2	25,600	25.1	216.0	29,300	31.9	229.8	35,300	145
150	11.4	184.3	25,400	19.6	203.5	28,200	27.8	220.9	33,700	150
152	5.3	169.7	25,100	16.5	196.1	28,000	25.8	216.5	33,000	152
155				11.8	185.1	27,700	22.9	210.0	32,100	155
156				9.1	178.4	26,900	21.6	207.2	31,800	156
157				6.3	171.8	26,200	20.4	204.3	31,500	157
160							16.7	195.7	30,700	160
165							5.5	168.8	26,900	165
170										170
173										173
175										175
180										180
185										185
186										186
190										190
195										195
198										198
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205										205
210										210

# MLC250 S-3

ASME B30.5



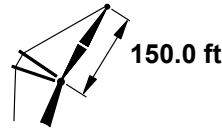
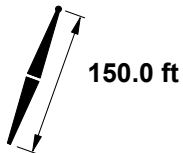
219,600 lb  
+  
80,000 lb



	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
48													48
50													50
55													55
58													58
60													60
65													65
70													70
73													73
75													75
80													80
85													85
87	68.0	284.8	66,100										87
90	66.6	283.5	63,300										90
95	64.4	281.2	59,000										95
100	62.1	278.6	55,200										100
105	59.7	275.7	51,800										105
110	57.3	272.6	48,700										110
111	56.8	271.9	48,200	62.9	276.5	44,200							111
115	54.8	269.2	45,900	61.0	274.3	42,200							115
120	52.3	265.4	43,400	58.6	271.3	39,800							120
125	49.6	261.3	41,100	56.2	268.1	37,700							125
130	46.8	256.7	39,000	53.7	264.5	35,700							130
134	44.5	252.7	37,400	51.6	261.3	34,200	57.9	266.2	31,100				134
135	43.9	251.7	37,000	51.1	260.6	33,900	57.4	265.6	30,800				135
140	40.9	246.1	35,200	48.4	256.2	32,200	54.9	262.2	29,200				140
145	37.6	239.9	33,500	45.5	251.5	30,600	52.3	258.4	27,800				145
150	34.0	232.8	32,000	42.6	246.2	29,200	49.7	254.3	26,400				150
152	32.5	229.6	31,400	41.3	243.9	28,600	48.6	252.4	25,900				152
155	30.1	224.7	30,500	39.4	240.4	27,800	46.9	249.7	25,200				155
156	29.2	222.7	30,200	38.7	239.0	27,600	46.3	248.7	24,900	52.9	254.0	22,300	156
157	28.3	220.8	30,000	38.0	237.7	27,300	45.8	247.7	24,700	52.3	253.2	22,100	157
160	25.7	215.0	29,100	36.0	233.8	26,500	44.0	244.7	24,000	50.8	250.8	21,500	160
165	20.3	202.9	27,800	32.3	226.2	25,400	41.0	239.2	22,900	48.0	246.4	20,500	165
170	12.9	185.6	26,600	28.2	217.5	24,200	37.7	232.9	21,800	45.2	241.6	19,500	170
173	4.1	164.2	25,800	25.3	211.1	23,600	35.6	228.7	21,300	43.4	238.4	19,000	173
175				23.4	206.9	23,200	34.2	225.9	20,900	42.2	236.3	18,600	175
180				17.4	193.0	22,100	30.3	217.8	19,900	39.0	230.3	17,800	180
185				7.4	169.2	21,100	25.8	208.2	19,100	35.6	223.7	17,000	185
186				0.9	153.3	20,900	24.8	205.8	18,900	34.9	222.1	16,800	186
190							20.5	196.2	18,200	31.9	216.0	16,200	190
195							13.2	179.1	17,400	27.7	207.1	15,500	195
198							5.0	159.3	16,900	24.8	200.6	15,000	198
200										22.8	196.2	14,800	200
205										16.6	181.8	14,100	205
210										5.1	154.2	13,400	210

# MLC250 S-3

ASME B30.5



ft	88°			86°			83°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
50	76.0	303.3	60,600 b							50
55	74.0	301.9	59,500							55
60	72.0	300.3	57,600							60
61	71.6	299.9	57,500	73.7	301.3	69,800				61
65	70.0	298.5	57,100	72.1	300.0	69,400				65
70	68.0	296.6	55,900	70.1	298.3	68,400				70
75	65.9	294.4	54,200	68.0	296.3	65,600				75
76	65.4	293.9	53,800	67.6	295.9	65,000	70.8	298.0	68,200	76
80	63.7	292.0	52,600	66.0	294.1	62,400	69.2	296.6	68,200	80
85	61.6	289.3	49,400	63.8	291.7	59,100	67.1	294.5	66,800	85
90	59.4	286.4	46,400	61.7	289.1	55,800	65.0	292.2	64,000	90
91	58.9	285.8	45,800	61.2	288.5	55,100	64.6	291.7	63,400	91
95	57.1	283.3	43,500	59.5	286.2	52,600	62.9	289.7	61,300	95
100	54.8	279.8	40,900	57.2	283.1	49,400	60.7	287.0	57,700	100
105	52.4	276.1	38,300	54.9	279.7	46,400	58.5	284.0	54,200	105
110	50.0	272.0	35,900	52.5	275.9	43,500	56.2	280.7	51,000	110
115	47.4	267.5	33,800	50.1	271.8	41,000	53.9	277.2	48,100	115
116	46.8	266.5	33,400	49.5	270.9	40,500	53.4	276.4	47,600	116
120	44.7	262.6	31,700	47.5	267.4	38,500	51.5	273.3	45,500	120
125	41.9	257.2	29,900	44.8	262.5	36,100	49.0	269.1	43,000	125
130	38.9	251.2	28,300	42.0	257.1	33,900	46.3	264.4	40,800	130
135	35.7	244.6	26,800	39.1	251.2	32,000	43.6	259.3	38,800	135
139	33.0	238.5	25,800	36.5	245.9	30,600	41.3	254.8	37,300	139
140	32.3	237.0	25,500	35.9	244.5	30,200	40.7	253.7	36,900	140
145	28.4	228.3	24,400	32.4	237.0	28,700	37.7	247.5	35,200	145
150	24.0	217.9	23,500	28.6	228.4	27,300	34.4	240.5	33,500	150
155	18.7	204.8	22,800	24.3	218.1	26,200	30.8	232.5	32,000	155
160	11.0	185.2	22,700	19.0	205.1	25,200	26.8	223.2	30,600	160
162	5.1	170.1	22,400	15.9	197.5	25,100	24.9	218.7	30,100	162
165				11.4	186.1	24,900	22.1	212.0	29,300	165
167				6.1	172.3	23,400	19.7	206.0	28,700	167
170							16.1	197.1	28,000	170
175							5.3	169.3	24,000	175
180										180
183										183
185										185
190										190
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220										220

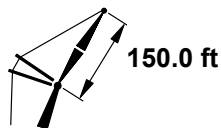
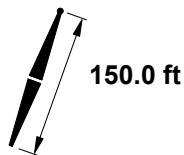


# MLC250 S-3

ASME B30.5



219,600 lb  
+  
80,000 lb



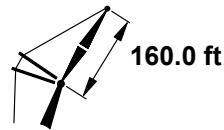
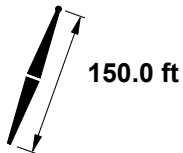
	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
50													50
55													55
60													60
61													61
65													65
70													70
75													75
76													76
80													80
85													85
90													90
91	67.9	294.0	62,200										91
95	66.2	292.2	58,800										95
100	64.1	289.9	55,000										100
105	61.9	287.3	51,600										105
110	59.7	284.4	48,500										110
115	57.5	281.3	45,800										115
116	57.0	280.6	45,300	62.7	285.2	41,500							116
120	55.2	277.9	43,200	60.9	283.0	39,600							120
125	52.8	274.2	40,900	58.7	280.0	37,500							125
130	50.3	270.2	38,800	56.4	276.8	35,500							130
135	47.8	265.8	36,900	54.1	273.2	33,700							135
139	45.7	261.9	35,400	52.2	270.2	32,300	58.0	274.9	29,300				139
140	45.1	260.9	35,100	51.7	269.4	32,000	57.6	274.3	29,000				140
145	42.3	255.6	33,400	49.2	265.2	30,500	55.2	270.9	27,600				145
150	39.4	249.7	31,800	46.6	260.6	29,000	52.9	267.2	26,200				150
155	36.3	243.2	30,400	43.9	255.5	27,700	50.4	263.1	25,000				155
160	32.8	235.8	29,000	41.0	250.0	26,400	47.9	258.7	23,800				160
162	31.3	232.4	28,500	39.8	247.5	25,900	46.8	256.8	23,400	52.9	262.0	20,900	162
165	29.1	227.3	27,700	38.0	243.8	25,200	45.2	253.9	22,700	51.4	259.6	20,300	165
167	27.4	223.2	27,300	36.7	241.0	24,800	44.1	251.8	22,300	50.4	257.9	19,900	167
170	24.8	217.2	26,500	34.7	236.9	24,100	42.4	248.6	21,700	48.9	255.4	19,300	170
175	19.6	204.6	25,400	31.2	229.0	23,000	39.5	242.8	20,700	46.3	250.7	18,400	175
180	12.5	186.7	24,300	27.2	219.9	22,000	36.4	236.2	19,800	43.6	245.6	17,600	180
183	3.9	164.5	23,600	24.4	213.3	21,500	34.3	231.8	19,300	41.8	242.3	17,100	183
185				22.6	208.9	21,100	32.9	228.9	18,900	40.7	240.0	16,800	185
190				16.8	194.5	20,200	29.2	220.4	18,100	37.6	233.8	16,000	190
195				7.1	169.8	19,300	24.9	210.4	17,300	34.4	226.8	15,300	195
196				0.8	153.2	19,000	23.9	207.9	17,200	33.6	225.2	15,200	196
200							19.8	197.9	16,600	30.8	218.8	14,600	200
205							12.8	180.2	15,800	26.7	209.5	14,000	205
208							4.8	159.6	15,300	23.9	202.7	13,600	208
210										22.0	198.2	13,300	210
215										16.0	183.2	12,700	215
220										4.9	154.6	12,100	220

# MLC250 S-3

ASME B30.5



219,600 lb  
+  
80,000 lb



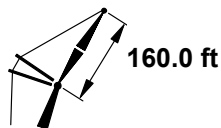
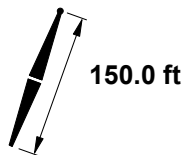
	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
53	75.8	312.8	55,300							53
55	75.1	312.3	54,900							55
60	73.2	310.8	54,000							60
63	72.1	309.8	53,400	74.0	311.1	63,700				63
65	71.3	309.2	53,000	73.3	310.5	63,500				65
70	69.4	307.3	51,400	71.4	308.9	63,200				70
75	67.5	305.3	51,000	69.5	307.1	62,100				75
79	65.9	303.5	49,800	67.9	305.4	59,900	70.9	307.6	62,000	79
80	65.5	303.1	49,500	67.6	305.0	59,400	70.6	307.2	62,000	80
85	63.5	300.6	47,700	65.6	302.8	56,500	68.6	305.3	62,000	85
90	61.5	298.0	44,900	63.6	300.4	53,700	66.7	303.2	62,000	90
95	59.4	295.1	42,200	61.6	297.8	50,900	64.7	300.9	59,500	95
100	57.3	292.0	39,800	59.5	294.9	48,000	62.7	298.4	57,100	100
105	55.1	288.6	37,500	57.4	291.8	45,300	60.7	295.7	53,700	105
110	52.9	284.9	35,300	55.2	288.4	42,700	58.6	292.7	50,500	110
115	50.6	280.9	33,200	53.0	284.7	40,200	56.5	289.4	47,600	115
120	48.2	276.5	31,200	50.7	280.7	37,900	54.3	285.9	45,000	120
125	45.8	271.8	29,400	48.4	276.4	35,700	52.0	282.1	42,600	125
130	43.2	266.6	27,800	45.9	271.6	33,700	49.7	278.0	40,400	130
135	40.5	260.9	26,300	43.3	266.5	31,700	47.3	273.5	38,400	135
140	37.6	254.7	25,000	40.6	260.8	29,900	44.8	268.6	36,500	140
145	34.6	247.7	23,800	37.8	254.6	28,300	42.2	263.2	34,700	145
150	31.2	239.8	22,600	34.7	247.7	26,800	39.4	257.3	33,100	150
155	27.5	230.8	21,800	31.4	239.8	25,600	36.4	250.8	31,600	155
160	23.3	220.0	21,000	27.7	230.8	24,400	33.3	243.5	30,200	160
165	18.1	206.4	20,500	23.5	220.2	23,400	29.8	235.2	28,900	165
168	13.6	194.2	20,500	20.4	212.1	23,000	27.5	229.4	28,100	168
170	10.6	186.1	20,500	18.3	206.7	22,700	25.9	225.5	27,600	170
172	4.9	170.5	19,700	15.4	198.8	22,600	24.1	220.9	27,100	172
175				11.0	187.0	22,400	21.4	213.9	26,400	175
177				5.9	172.8	20,600	19.0	207.7	26,000	177
180							15.6	198.5	25,300	180
185							5.1	169.7	21,200	185
190										190
193										193
195										195
200										200
205										205
206										206
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230										230

# MLC250 S-3

ASME B30.5



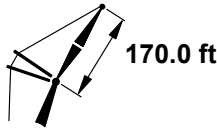
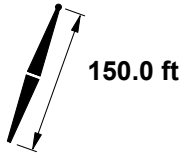
219,600 lb  
+  
80,000 lb



	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
53													53
55													55
60													60
63													63
65													65
70													70
75													75
79													79
80													80
85													85
90													90
95	67.8	303.1	58,300										95
100	65.8	300.9	54,500										100
105	63.8	298.5	51,100										105
110	61.8	295.9	48,000										110
115	59.7	293.1	45,300										115
120	57.6	290.0	42,700	62.9	294.4	39,000							120
125	55.5	286.6	40,400	60.9	291.6	36,900							125
130	53.3	283.0	38,300	58.8	288.7	34,900							130
135	51.0	279.0	36,400	56.7	285.5	33,100							135
140	48.6	274.7	34,600	54.5	282.0	31,500							140
145	46.2	270.0	32,900	52.2	278.2	29,900	57.7	282.9	27,000				145
150	43.6	264.9	31,400	49.9	274.1	28,500	55.6	279.6	25,600				150
155	40.9	259.4	29,900	47.5	269.6	27,100	53.3	275.9	24,400				155
160	38.1	253.2	28,600	45.0	264.8	25,900	51.1	272.0	23,200				160
165	35.0	246.3	27,300	42.4	259.5	24,700	48.7	267.7	22,200				165
168	33.1	241.7	26,600	40.8	255.9	24,000	47.2	264.9	21,500	52.9	270.0	19,100	168
170	31.8	238.6	26,100	39.7	253.6	23,600	46.3	263.0	21,100	52.0	268.4	18,700	170
172	30.3	235.1	25,700	38.5	251.0	23,200	45.2	261.0	20,700	51.0	266.8	18,400	172
175	28.1	229.8	25,000	36.7	247.1	22,600	43.7	258.0	20,200	49.7	264.3	17,800	175
177	26.5	225.6	24,600	35.5	244.3	22,200	42.6	255.7	19,800	48.7	262.5	17,500	177
180	24.0	219.3	23,900	33.6	239.9	21,600	41.0	252.4	19,300	47.2	259.8	17,000	180
185	19.0	206.3	22,900	30.2	231.7	20,600	38.2	246.2	18,400	44.7	254.9	16,200	185
190	12.1	187.7	21,900	26.3	222.2	19,800	35.1	239.4	17,600	42.1	249.5	15,500	190
193	3.8	164.8	21,300	23.6	215.4	19,200	33.2	234.8	17,100	40.4	246.0	15,000	193
195				21.8	210.8	18,900	31.9	231.7	16,800	39.3	243.6	14,800	195
200				16.2	195.9	18,100	28.2	222.9	16,100	36.4	237.1	14,100	200
205				6.9	170.4	17,300	24.1	212.5	15,400	33.2	229.7	13,400	205
206				0.7	153.2	17,000	23.1	209.9	15,200	32.5	228.1	13,300	206
210							19.1	199.6	14,700	29.7	221.4	12,800	210
215							12.3	181.3	14,000	25.8	211.8	12,200	215
218							4.6	160.0	13,600	23.1	204.7	11,900	218
220										21.3	200.0	11,700	220
225										15.4	184.5	11,100	225
230										4.7	155.0	10,500	230

# MLC250 S-3

ASME B30.5



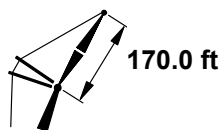
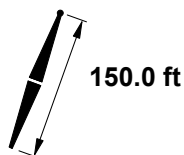
	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
55	76.0	322.6	50,600							55
60	74.2	321.2	49,800							60
65	72.4	319.7	49,000							65
66	72.1	319.4	48,800	73.9	320.7	57,900				66
70	70.7	318.0	48,100	72.5	319.4	57,700				70
75	68.9	316.1	46,800	70.7	317.7	57,400				75
80	67.0	314.0	46,500	68.9	315.8	56,500				80
82	66.3	313.1	46,100	68.2	315.0	55,600	71.0	317.1	56,300	82
85	65.2	311.8	45,600	67.1	313.8	54,200	70.0	316.1	56,300	85
90	63.3	309.3	43,800	65.3	311.5	51,800	68.1	314.1	56,300	90
95	61.4	306.7	41,300	63.4	309.1	49,300	66.3	312.0	56,300	95
99	59.8	304.3	39,500	61.9	307.0	47,400	64.8	310.1	55,700	99
100	59.5	303.8	39,100	61.5	306.4	46,900	64.5	309.6	55,500	100
105	57.5	300.6	36,900	59.5	303.5	44,400	62.6	307.1	53,300	105
110	55.4	297.3	34,800	57.6	300.4	42,100	60.6	304.3	50,100	110
115	53.4	293.6	32,900	55.5	297.1	39,800	58.7	301.3	47,300	115
120	51.2	289.7	31,100	53.4	293.5	37,600	56.7	298.1	44,600	120
125	49.0	285.5	29,300	51.3	289.5	35,500	54.6	294.7	42,200	125
130	46.7	280.9	27,600	49.1	285.3	33,500	52.5	290.9	40,000	130
135	44.3	275.9	26,200	46.8	280.7	31,700	50.3	286.9	38,000	135
140	41.8	270.5	24,800	44.4	275.8	30,000	48.1	282.5	36,100	140
145	39.2	264.5	23,500	42.0	270.4	28,300	45.8	277.7	34,400	145
150	36.5	258.0	22,400	39.3	264.4	26,800	43.4	272.6	32,800	150
155	33.5	250.7	21,400	36.6	257.9	25,500	40.8	267.0	31,300	155
160	30.2	242.5	20,500	33.6	250.7	24,300	38.2	260.8	29,900	160
165	26.7	233.1	19,700	30.4	242.6	23,100	35.3	254.0	28,500	165
170	22.5	222.0	19,100	26.8	233.2	22,200	32.2	246.4	27,300	170
174	18.5	210.7	18,800	23.5	224.4	21,500	29.6	239.5	26,400	174
175	17.5	207.9	18,700	22.7	222.2	21,400	28.9	237.8	26,100	175
180	10.3	187.0	18,700	17.8	208.3	20,800	25.1	227.8	25,000	180
182	4.8	170.9	17,400	14.9	200.1	20,500	23.3	222.9	24,600	182
185				10.7	187.9	20,100	20.7	215.7	24,000	185
187				5.7	173.2	18,300	18.4	209.3	23,500	187
190							15.1	199.8	22,700	190
195							4.9	170.1	18,800	195
200										200
203										203
205										205
210										210
215										215
216										216
220										220
228										228
230										230
240										240

# MLC250 S-3

ASME B30.5



219,600 lb  
+  
80,000 lb



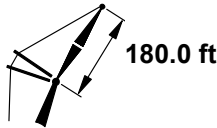
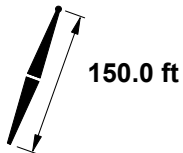
	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
55													55
60													60
65													65
66													66
70													70
75													75
80													80
82													82
85													85
90													90
95													95
99	67.7	312.3	54,800										99
100	67.3	311.9	54,100										100
105	65.5	309.6	50,700										105
110	63.6	307.2	47,600										110
115	61.7	304.6	44,900										115
120	59.8	301.7	42,400										120
125	57.8	298.6	40,100	62.7	303.0	36,500							125
130	55.8	295.3	37,900	60.8	300.3	34,500							130
135	53.7	291.7	36,000	58.9	297.3	32,700							135
140	51.5	287.8	34,200	56.9	294.1	31,100							140
145	49.3	283.6	32,600	54.8	290.7	29,500							145
150	47.1	279.1	31,000	52.7	287.0	28,100	57.8	291.6	25,200				150
155	44.7	274.2	29,600	50.6	283.0	26,700	55.8	288.3	24,000				155
160	42.2	268.8	28,200	48.3	278.6	25,500	53.7	284.7	22,800				160
165	39.6	263.0	27,000	46.0	273.9	24,300	51.6	280.8	21,700				165
170	36.9	256.5	25,800	43.6	268.8	23,200	49.4	276.6	20,700				170
174	34.5	250.8	24,900	41.6	264.3	22,400	47.6	273.0	20,000	52.9	278.0	17,600	174
175	34.0	249.4	24,600	41.1	263.2	22,200	47.1	272.1	19,800	52.5	277.2	17,400	175
180	30.8	241.4	23,600	38.4	257.1	21,200	44.8	267.2	18,900	50.3	273.2	16,600	180
182	29.4	237.7	23,200	37.3	254.4	20,800	43.8	265.1	18,500	49.4	271.4	16,300	182
185	27.2	232.2	22,600	35.6	250.4	20,300	42.3	261.9	18,000	48.1	268.8	15,800	185
187	25.6	227.8	22,200	34.4	247.4	19,900	41.3	259.5	17,700	47.1	266.9	15,500	187
190	23.2	221.4	21,600	32.5	242.9	19,400	39.7	256.0	17,200	45.7	264.0	15,100	190
195	18.4	207.9	20,700	29.2	234.3	18,600	37.0	249.6	16,400	43.3	258.9	14,400	195
200	11.7	188.7	19,800	25.5	224.5	17,800	34.1	242.5	15,700	40.8	253.2	13,700	200
203	3.7	165.1	19,200	22.9	217.4	17,300	32.1	237.7	15,300	39.2	249.5	13,300	203
205				21.2	212.7	17,000	30.9	234.5	15,000	38.1	247.1	13,000	205
210				15.7	197.3	16,300	27.4	225.3	14,300	35.3	240.3	12,400	210
215				6.7	170.9	15,500	23.4	214.6	13,700	32.2	232.6	11,900	215
216				0.6	153.1	15,300	22.4	211.9	13,600	31.5	230.9	11,700	216
220							18.6	201.2	13,100	28.8	224.0	11,300	220
228							4.5	160.3	12,100	22.3	206.3	10,500	228
230										20.6	201.8	10,200	230
240										4.5	155.4	9,100	240

# MLC250 S-3

ASME B30.5



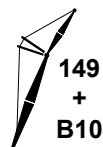
219,600 lb  
+  
80,000 lb



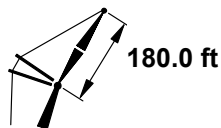
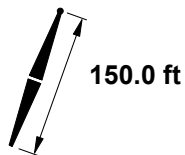
	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
58	75.8	332.2	46,300							58
60	75.1	331.6	46,000							60
65	73.5	330.2	45,300							65
69	72.1	328.9	44,700	73.9	330.2	52,900				69
70	71.8	328.6	44,600	73.5	329.9	52,800				70
75	70.1	326.8	43,900	71.9	328.3	52,500				75
80	68.4	324.9	42,700	70.2	326.5	52,200				80
85	66.7	322.8	42,000	68.5	324.6	51,400				85
86	66.3	322.3	41,900	68.1	324.2	50,900	70.8	326.3	51,100	86
90	64.9	320.5	41,400	66.7	322.5	49,300	69.4	324.9	51,100	90
95	63.1	318.0	39,900	65.0	320.2	47,200	67.7	322.8	51,100	95
100	61.3	315.3	37,800	63.2	317.8	45,100	66.0	320.7	51,000	100
102	60.6	314.2	37,000	62.5	316.7	44,200	65.3	319.7	51,000	102
105	59.5	312.4	35,800	61.4	315.1	42,900	64.2	318.3	51,000	105
110	57.6	309.3	33,900	59.6	312.2	40,900	62.4	315.7	49,700	110
115	55.7	306.0	32,100	57.7	309.1	38,700	60.6	313.0	46,800	115
120	53.7	302.4	30,400	55.8	305.8	36,700	58.8	310.0	44,200	120
125	51.7	298.5	28,800	53.8	302.2	34,800	56.9	306.8	41,800	125
129	50.1	295.2	27,500	52.2	299.1	33,300	55.3	304.0	40,000	129
130	49.7	294.4	27,200	51.8	298.3	33,000	54.9	303.4	39,600	130
135	47.5	289.9	25,700	49.8	294.2	31,200	53.0	299.7	37,500	135
140	45.3	285.1	24,400	47.6	289.7	29,600	50.9	295.7	35,700	140
145	43.0	279.8	23,100	45.4	284.9	28,100	48.8	291.4	33,900	145
150	40.6	274.2	22,000	43.1	279.7	26,600	46.7	286.8	32,300	150
155	38.1	268.0	21,000	40.7	274.1	25,200	44.4	281.8	30,800	155
160	35.4	261.2	20,000	38.2	267.9	24,000	42.1	276.4	29,400	160
165	32.5	253.6	19,200	35.5	261.1	22,800	39.6	270.6	28,100	165
170	29.4	245.1	18,400	32.6	253.6	21,800	37.0	264.2	26,900	170
175	25.9	235.4	17,900	29.5	245.2	20,900	34.3	257.1	25,700	175
180	21.9	223.9	17,300	26.0	235.5	20,000	31.3	249.2	24,600	180
185	17.0	209.4	17,000	22.1	224.1	19,400	28.0	240.3	23,600	185
190	10.0	187.8	16,900	17.2	209.8	18,900	24.4	229.9	22,600	190
192	4.6	171.3	15,100	14.5	201.4	18,400	22.7	224.9	22,200	192
195				10.4	188.8	17,600	20.1	217.4	21,600	195
197				5.5	173.7	15,900	17.9	210.9	21,000	197
200							14.6	201.0	20,000	200
205							4.8	170.4	16,400	205
210										210
213										213
220										220
226										226
230										230
238										238
240										240
250										250

# MLC250 S-3

ASME B30.5



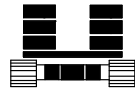
219,600 lb  
+  
80,000 lb



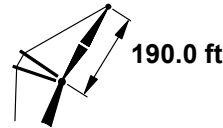
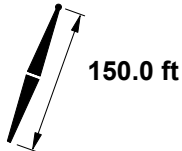
	80°			75°			70°			65°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
58													58
60													60
65													65
69													69
70													70
75													75
80													80
85													85
86													86
90													90
95													95
100													100
102	68.0	321.9	52,100										102
105	66.9	320.6	50,200										105
110	65.2	318.3	47,100										110
115	63.4	315.9	44,300										115
120	61.6	313.2	41,800										120
125	59.8	310.4	39,500										125
129	58.3	307.9	37,900	63.0	312.2	34,300							129
130	57.9	307.3	37,400	62.6	311.7	33,900							130
135	56.0	304.0	35,500	60.8	309.0	32,200							135
140	54.0	300.5	33,700	58.9	306.0	30,500							140
145	52.0	296.6	32,100	57.0	302.8	29,000							145
150	50.0	292.5	30,500	55.1	299.4	27,500							150
155	47.9	288.1	29,100	53.1	295.7	26,200	58.0	300.3	23,400				155
160	45.7	283.3	27,700	51.1	291.8	25,000	56.1	297.0	22,200				160
165	43.4	278.2	26,500	49.0	287.5	23,800	54.1	293.4	21,200				165
170	41.0	272.6	25,300	46.9	283.0	22,700	52.1	289.6	20,100				170
175	38.5	266.5	24,200	44.6	278.0	21,700	50.1	285.5	19,200				175
180	35.8	259.8	23,100	42.3	272.7	20,700	47.9	281.1	18,300	52.9	286.0	16,000	180
185	33.0	252.4	22,200	39.9	266.9	19,800	45.7	276.3	17,500	50.9	282.0	15,200	185
190	29.9	244.0	21,200	37.3	260.5	18,900	43.4	271.2	16,700	48.8	277.7	14,500	190
192	28.5	240.2	20,900	36.2	257.7	18,600	42.5	269.0	16,400	47.9	275.9	14,200	192
195	26.5	234.5	20,300	34.5	253.5	18,100	41.1	265.6	15,900	46.6	273.1	13,800	195
197	24.9	230.0	20,000	33.4	250.4	17,800	40.1	263.2	15,600	45.7	271.1	13,500	197
200	22.6	223.3	19,500	31.6	245.7	17,300	38.6	259.5	15,200	44.4	268.1	13,100	200
205	17.8	209.4	18,600	28.4	236.9	16,600	35.9	252.8	14,500	42.0	262.7	12,500	205
210	11.4	189.7	17,800	24.8	226.7	15,800	33.1	245.5	13,800	39.6	256.9	11,900	210
213	3.5	165.3	16,800	21.9	218.3	15,400	31.1	240.1	13,500	38.0	252.8	11,500	213
220				15.3	198.6	14,500	26.6	227.7	12,600	34.2	243.3	10,700	220
226				0.6	153.0	13,600	21.4	212.7	11,900	30.5	233.2	10,000	226
230							18.0	202.8	11,500	28.0	226.5	9,600	230
238							4.3	160.7	10,500	21.6	208.2	8,700	238
240										20.0	203.6	8,500	240
250										4.4	155.7	7,400	250

# MLC250 S-3

ASME B30.5



219,600 lb  
+  
80,000 lb

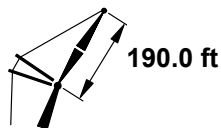
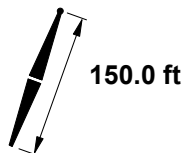


ft	88°			86°			83°			ft
	ft	lb	ft	ft	lb	ft	ft	lb	ft	
60	75.9	342.0	42,400							60
65	74.3	340.6	41,900							65
70	72.8	339.1	41,300							70
72	72.1	338.4	41,100	73.8	339.7	48,300				72
75	71.2	337.4	40,700	72.8	338.8	48,100				75
80	69.6	335.6	40,100	71.3	337.2	47,800				80
85	68.0	333.6	39,500	69.7	335.4	47,500				85
89	66.6	331.9	39,000	68.4	333.8	47,000	70.9	335.9	46,500	89
90	66.3	331.5	38,900	68.0	333.4	46,800	70.6	335.5	46,500	90
95	64.7	329.2	37,900	66.4	331.2	45,000	68.9	333.6	46,500	95
100	63.0	326.7	36,500	64.7	328.9	43,200	67.3	331.6	46,400	100
105	61.3	324.0	34,700	63.0	326.4	41,300	65.7	329.4	46,300	105
106	60.9	323.4	34,400	62.7	325.9	40,900	65.3	328.9	46,300	106
110	59.5	321.1	33,000	61.3	323.7	39,500	64.0	327.0	46,200	110
115	57.7	318.0	31,300	59.6	320.9	37,600	62.3	324.4	46,100	115
120	55.9	314.7	29,600	57.8	317.8	35,800	60.6	321.6	43,900	120
125	54.1	311.1	28,100	56.0	314.5	34,000	58.8	318.7	41,500	125
130	52.2	307.3	26,800	54.2	310.9	32,300	57.0	315.5	39,300	130
134	50.6	304.1	25,600	52.6	307.9	31,000	55.6	312.8	37,700	134
135	50.2	303.2	25,400	52.3	307.1	30,700	55.2	312.1	37,300	135
140	48.2	298.9	24,100	50.3	303.1	29,100	53.3	308.4	35,500	140
145	46.2	294.2	22,800	48.3	298.7	27,600	51.4	304.5	33,700	145
150	44.0	289.1	21,700	46.3	294.0	26,400	49.5	300.3	32,100	150
155	41.8	283.7	20,600	44.1	289.0	25,000	47.4	295.8	30,600	155
160	39.5	277.8	19,700	41.9	283.6	23,900	45.3	291.0	29,200	160
161	39.0	276.5	19,500	41.4	282.4	23,600	44.9	290.0	29,000	161
165	37.0	271.3	18,800	39.6	277.7	22,600	43.2	285.8	27,900	165
170	34.4	264.3	18,000	37.1	271.3	21,600	40.9	280.2	26,700	170
175	31.6	256.5	17,300	34.5	264.3	20,500	38.5	274.1	25,500	175
180	28.6	247.7	16,700	31.7	256.5	19,700	36.0	267.4	24,400	180
186	24.2	234.5	16,200	27.9	245.3	18,800	32.7	258.1	23,200	186
190	21.3	225.8	15,800	25.3	237.8	18,200	30.4	251.9	22,400	190
200	9.7	188.7	14,900	16.8	211.2	17,300	23.7	232.0	20,600	200
202	4.5	171.6	13,200	13.5	200.6	16,300	21.8	226.1	20,000	202
207				5.4	174.1	14,000	17.1	211.2	18,600	207
210							14.2	202.3	17,800	210
215							4.6	170.8	14,500	215
220										220
223										223
230										230
236										236
240										240
248										248
250										250
260										260



# MLC250 S-3

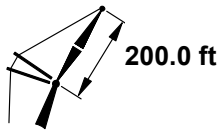
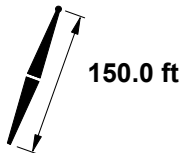
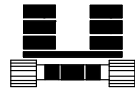
ASME B30.5



	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
60													60
65													65
70													70
72													72
75													75
80													80
85													85
89													89
90													90
95													95
100													100
105													105
106	67.9	331.0	49,000										106
110	66.6	329.3	46,900										110
115	64.9	327.0	44,100										115
120	63.2	324.6	41,600										120
125	61.5	321.9	39,300										125
130	59.8	319.1	37,200										130
134	58.4	316.6	35,700	62.8	320.9	32,300							134
135	58.0	316.0	35,300	62.5	320.4	31,900							135
140	56.2	312.7	33,500	60.7	317.6	30,300							140
145	54.4	309.2	31,800	59.0	314.7	28,700							145
150	52.5	305.4	30,300	57.2	311.5	27,300							150
155	50.6	301.4	28,900	55.4	308.1	26,000							155
160	48.6	297.1	27,500	53.5	304.5	24,700							160
161	48.1	296.1	27,300	53.1	303.7	24,500	57.7	308.3	21,800				161
165	46.5	292.4	26,300	51.6	300.6	23,600	56.3	305.7	20,900				165
170	44.4	287.4	25,100	49.7	296.5	22,500	54.4	302.2	19,900				170
175	42.2	282.1	24,000	47.6	292.0	21,500	52.5	298.4	19,000				175
180	39.8	276.2	22,900	45.5	287.2	20,500	50.6	294.4	18,100				180
186	36.8	268.2	21,800	42.9	280.7	19,400	48.2	289.0	17,100	52.9	294.0	14,800	186
190	34.8	262.9	21,000	41.1	276.4	18,700	46.6	285.4	16,400	51.4	290.8	14,200	190
200	29.0	246.6	19,300	36.2	263.8	17,100	42.2	275.1	15,000	47.4	282.2	12,900	200
202	27.6	242.4	19,000	35.1	260.7	16,800	41.3	272.7	14,700	46.5	280.1	12,600	202
207	24.1	231.7	18,200	32.4	253.0	16,100	38.9	266.6	14,000	44.4	275.1	12,000	207
210	21.9	225.3	17,700	30.7	248.4	15,700	37.5	262.9	13,600	43.1	272.1	11,600	210
215	17.4	211.0	17,000	27.6	239.3	15,000	34.9	256.0	13,000	40.9	266.5	11,000	215
220	11.0	190.6	16,200	24.1	228.8	14,300	32.1	248.3	12,400	38.5	260.4	10,400	220
223	3.4	165.6	14,900	21.3	220.1	14,000	30.2	242.8	12,100	36.9	256.2	10,000	223
230				14.8	199.9	13,100	25.8	230.0	11,300	33.3	246.3	9,200	230
236				0.5	153.0	12,300	20.8	214.6	10,700	29.6	235.9	8,600	236
240							17.5	204.3	10,300	27.2	228.9	8,200	240
248							4.2	161.0	9,400	21.0	210.0	7,400	248
250										19.5	205.3	7,200	250
260										4.3	156.1	6,200	260

# MLC250 S-3

ASME B30.5



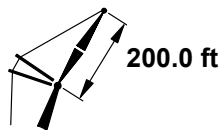
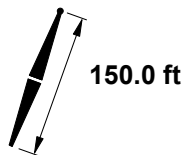
	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
62	76.0	351.8	38,800							62
65	75.2	351.0	38,600							65
70	73.7	349.6	38,200							70
74	72.5	348.3	37,800	74.0	349.6	44,000				74
75	72.2	348.0	37,700	73.7	349.3	44,000				75
80	70.6	346.3	37,100	72.2	347.7	43,700				80
85	69.1	344.4	36,600	70.7	346.0	43,400				85
90	67.6	342.4	36,100	69.2	344.1	43,200				90
92	66.9	341.5	35,800	68.6	343.3	43,000	71.0	345.4	42,200	92
95	66.0	340.2	35,500	67.6	342.1	42,700	70.0	344.3	42,200	95
100	64.4	337.9	35,000	66.1	340.0	41,100	68.5	342.4	42,100	100
105	62.8	335.3	33,400	64.5	337.6	39,600	67.0	340.3	42,000	105
110	61.2	332.6	31,800	62.9	335.1	37,900	65.4	338.1	41,900	110
115	59.5	329.7	30,300	61.3	332.4	36,300	63.8	335.7	41,800	115
120	57.9	326.7	28,900	59.6	329.5	34,700	62.2	333.1	41,600	120
125	56.1	323.4	27,400	57.9	326.5	33,100	60.5	330.3	41,100	125
130	54.4	319.9	26,100	56.2	323.2	31,500	58.9	327.3	38,900	130
135	52.6	316.1	24,800	54.5	319.7	30,100	57.2	324.2	36,900	135
138	51.5	313.7	24,100	53.4	317.4	29,200	56.1	322.1	35,800	138
140	50.8	312.1	23,600	52.7	315.9	28,600	55.5	320.8	35,000	140
145	48.9	307.8	22,500	50.8	311.9	27,200	53.7	317.2	33,300	145
150	46.9	303.2	21,400	49.0	307.7	25,900	51.9	313.3	31,700	150
155	44.9	298.3	20,300	47.0	303.1	24,600	50.0	309.2	30,200	155
160	42.9	293.1	19,400	45.0	298.2	23,500	48.1	304.8	28,800	160
165	40.7	287.4	18,500	42.9	293.0	22,400	46.2	300.1	27,500	165
166	40.2	286.2	18,300	42.5	291.8	22,200	45.7	299.1	27,200	166
170	38.4	281.3	17,700	40.8	287.3	21,400	44.1	295.1	26,300	170
175	36.0	274.6	16,900	38.5	281.2	20,400	42.0	289.7	25,100	175
180	33.5	267.3	16,300	36.1	274.6	19,400	39.8	283.8	24,000	180
190	27.8	250.2	15,100	30.9	259.2	17,800	35.0	270.6	22,000	190
192	26.4	245.6	14,900	29.6	255.4	17,600	34.0	267.4	21,600	192
200	20.7	227.6	14,300	24.7	240.0	16,600	29.6	254.6	20,000	200
210	9.4	189.5	12,800	16.3	212.7	15,700	23.1	234.0	18,100	210
212	4.4	172.0	11,300	13.2	201.8	14,700	21.2	227.9	17,600	212
217				5.2	174.5	12,000	16.6	212.6	16,300	217
220							13.9	203.5	15,500	220
225							4.5	171.2	12,500	225
230										230
233										233
240										240
246										246
250										250
258										258
260										260
265										265

# MLC250 S-3

ASME B30.5



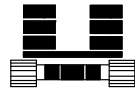
219,600 lb  
+  
80,000 lb



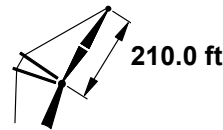
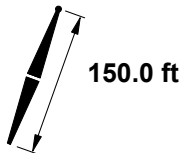
	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
62													62
65													65
70													70
74													74
75													75
80													80
85													85
90													90
92													92
95													95
100													100
105													105
110	67.8	340.2	44,400										110
115	66.3	338.1	43,600										115
120	64.7	335.7	41,100										120
125	63.1	333.2	38,800										125
130	61.4	330.6	36,700										130
135	59.8	327.7	34,800										135
138	58.8	325.9	33,700	63.0	330.1	30,400							138
140	58.1	324.7	33,000	62.3	329.0	29,700							140
145	56.4	321.4	31,400	60.7	326.3	28,200							145
150	54.7	317.9	29,800	59.0	323.3	26,800							150
155	52.9	314.2	28,400	57.3	320.2	25,400							155
160	51.1	310.2	27,100	55.6	316.8	24,200							160
165	49.2	306.0	25,800	53.9	313.2	23,000							165
166	48.8	305.1	25,600	53.5	312.5	22,800	57.8	317.0	20,100				166
170	47.2	301.5	24,600	52.1	309.4	22,000	56.5	314.4	19,300				170
175	45.2	296.6	23,500	50.2	305.3	20,900	54.7	310.9	18,400				175
180	43.2	291.4	22,500	48.3	301.0	20,000	52.9	307.2	17,500				180
190	38.8	279.8	20,600	44.3	291.3	18,200	49.2	299.0	15,900				190
192	37.8	277.0	20,200	43.5	289.1	17,900	48.4	297.1	15,600	52.9	302.0	13,300	192
200	33.9	266.0	18,900	40.0	280.1	16,600	45.3	289.6	14,400	50.0	295.5	12,100	200
210	28.3	249.1	17,300	35.3	267.0	15,200	41.1	278.8	13,100	46.1	286.4	10,800	210
212	26.9	244.7	17,000	34.2	263.8	14,900	40.2	276.3	12,900	45.3	284.3	10,500	212
217	23.4	233.7	16,300	31.5	255.9	14,300	37.9	270.0	12,300	43.2	279.1	9,900	217
220	21.4	227.1	15,900	29.9	251.1	13,900	36.5	266.2	11,900	42.0	276.0	9,600	220
225	16.9	212.4	15,200	26.9	241.7	13,300	34.0	259.1	11,400	39.8	270.1	9,000	225
230	10.7	191.5	14,500	23.4	230.9	12,700	31.3	251.1	10,800	37.5	263.8	8,500	230
233	3.3	165.9	12,900	20.7	221.9	12,300	29.4	245.5	10,500	35.9	259.4	8,200	233
240				14.4	201.1	11,500	25.2	232.2	9,700	32.4	249.2	7,500	240
246				0.5	152.9	10,800	20.3	216.4	9,100	28.9	238.4	6,900	246
250							17.1	205.8	8,700	26.5	231.3	6,500	250
258							4.1	161.3	7,800	20.5	211.8	5,800	258
260										19.0	206.9	5,600	260
265										13.8	189.5	5,200	265

# MLC250 S-3

ASME B30.5



219,600 lb  
+  
80,000 lb



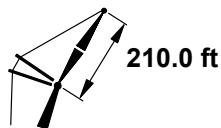
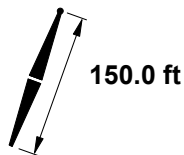
ft	88°			86°			83°			ft
	ft	lb	ft	ft	lb	ft	ft	lb	ft	
65	75.9	361.3	35,500							65
70	74.5	360.0	35,200							70
75	73.0	358.5	34,900							75
77	72.5	357.8	34,700	74.0	359.1	40,200				77
80	71.6	356.9	34,400	73.1	358.2	40,000				80
85	70.2	355.1	33,900	71.7	356.6	39,800				85
90	68.7	353.2	33,500	70.2	354.8	39,500				90
95	67.2	351.1	33,000	68.8	352.9	39,300	71.0	355.0	38,400	95
100	65.7	348.9	32,600	67.3	350.9	39,000	69.6	353.1	38,300	100
105	64.2	346.5	32,100	65.8	348.7	37,700	68.1	351.2	38,200	105
110	62.7	344.0	30,700	64.3	346.3	36,300	66.6	349.1	38,100	110
113	61.8	342.4	29,900	63.4	344.8	35,500	65.7	347.7	38,000	113
115	61.1	341.3	29,400	62.8	343.8	34,900	65.1	346.8	37,900	115
120	59.6	338.4	28,000	61.2	341.1	33,500	63.6	344.3	37,800	120
125	58.0	335.3	26,700	59.6	338.2	32,100	62.1	341.7	37,600	125
130	56.3	332.1	25,500	58.0	335.1	30,700	60.5	339.0	37,500	130
135	54.7	328.6	24,200	56.4	331.9	29,300	58.9	336.0	36,500	135
140	53.0	324.9	23,100	54.7	328.4	27,900	57.3	332.8	34,600	140
143	51.9	322.5	22,500	53.7	326.2	27,200	56.3	330.8	33,600	143
145	51.2	320.9	22,100	53.0	324.7	26,700	55.7	329.5	32,900	145
150	49.5	316.7	21,000	51.3	320.8	25,500	54.0	325.9	31,300	150
155	47.6	312.3	20,100	49.5	316.6	24,300	52.3	322.1	29,800	155
160	45.7	307.5	19,100	47.7	312.1	23,100	50.5	318.1	28,400	160
165	43.8	302.4	18,200	45.8	307.4	22,100	48.7	313.8	27,100	165
170	41.8	296.9	17,400	43.9	302.3	21,100	46.9	309.2	25,900	170
171	41.3	295.7	17,300	43.5	301.2	21,000	46.5	308.2	25,700	171
175	39.7	291.0	16,600	41.9	296.8	20,200	45.0	304.3	24,700	175
180	37.4	284.7	15,900	39.8	290.9	19,200	43.0	299.0	23,700	180
185	35.1	277.8	15,300	37.5	284.6	18,400	40.9	293.4	22,600	185
190	32.7	270.2	14,800	35.2	277.7	17,600	38.8	287.4	21,700	190
195	30.0	261.9	14,300	32.8	270.2	16,900	36.5	280.8	20,600	195
198	28.3	256.3	14,000	31.2	265.2	16,500	35.1	276.5	20,000	198
200	27.1	252.6	13,800	30.1	261.9	16,300	34.2	273.7	19,600	200
210	20.2	229.4	13,200	24.1	242.1	15,300	28.9	257.1	17,600	210
220	9.2	190.2	11,000	15.9	214.1	13,700	22.5	236.0	15,900	220
222	4.3	172.3	9,600	12.8	202.9	12,700	20.7	229.7	15,400	222
227				5.1	174.9	10,200	16.2	214.0	14,200	227
230							13.5	204.6	13,400	230
235							4.4	171.5	10,700	235
240										240
243										243
250										250
256										256
260										260
268										268

# MLC250 S-3

ASME B30.5



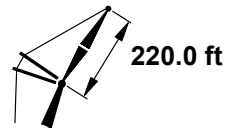
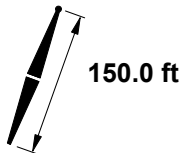
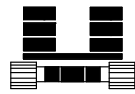
219,600 lb  
+  
80,000 lb



	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
65													65
70													70
75													75
77													77
80													80
85													85
90													90
95													95
100													100
105													105
110													110
113	68.0	349.8	40,200										113
115	67.5	349.0	40,200										115
120	66.0	346.8	40,200										120
125	64.5	344.4	38,400										125
130	62.9	341.9	36,300										130
135	61.4	339.2	34,400										135
140	59.8	336.4	32,600										140
143	58.8	334.5	31,600	62.8	338.8	28,400							143
145	58.2	333.3	31,000	62.2	337.7	27,800							145
150	56.6	330.1	29,400	60.7	334.9	26,300							150
155	54.9	326.6	28,000	59.1	332.0	25,000							155
160	53.2	323.0	26,700	57.5	328.9	23,800							160
165	51.5	319.1	25,400	55.8	325.5	22,600							165
170	49.7	314.9	24,300	54.2	322.0	21,600							170
171	49.4	314.0	24,000	53.8	321.2	21,400	57.9	325.6	18,700				171
175	47.9	310.5	23,200	52.5	318.2	20,500	56.6	323.0	18,000				175
180	46.0	305.8	22,100	50.7	314.2	19,600	55.0	319.6	17,100				180
185	44.1	300.7	21,100	48.9	309.9	18,700	53.3	315.9	16,300				185
190	42.1	295.3	20,200	47.1	305.3	17,800	51.6	312.0	15,500				190
195	40.0	289.5	19,300	45.2	300.5	17,000	49.8	307.9	14,700				195
198	38.7	285.7	18,800	44.0	297.3	16,500	48.7	305.2	14,300	53.0	310.0	11,700	198
200	37.8	283.2	18,500	43.2	295.3	16,200	48.0	303.5	14,000	52.3	308.5	11,500	200
210	33.0	268.9	16,900	39.0	283.7	14,800	44.2	293.7	12,700	48.7	300.1	10,200	210
220	27.6	251.6	15,500	34.4	270.1	13,500	40.1	282.5	11,500	44.9	290.6	9,000	220
222	26.2	247.1	15,300	33.4	266.8	13,300	39.2	279.9	11,300	44.1	288.4	8,700	222
227	22.9	235.8	14,600	30.7	258.6	12,700	36.9	273.4	10,700	42.1	283.0	8,200	227
230	20.8	229.0	14,200	29.2	253.7	12,300	35.6	269.5	10,300	40.9	279.7	7,900	230
235	16.5	213.9	13,600	26.2	244.0	11,800	33.1	262.0	9,700	38.8	273.6	7,400	235
240	10.5	192.4	13,000	22.9	232.9	11,200	30.5	253.9	9,200	36.5	267.1	6,900	240
243				20.2	223.7	10,900	28.7	248.0	8,900	35.0	262.6	6,600	243
250	3.2	166.1	11,100	14.1	202.3	10,200	24.5	234.4	8,200	31.6	252.1	5,900	250
256				0.4	152.8	9,500	19.8	218.1	7,600	28.1	241.0	5,400	256
260							16.6	207.2	7,200	25.8	233.5	5,100	260
268							4.0	161.7	6,400				268

# MLC250 S-3

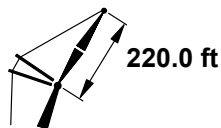
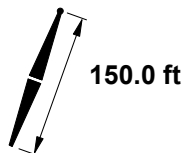
ASME B30.5



	88°			86°			83°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
67	76.0	371.2	32,500							67
70	75.2	370.4	32,300							70
75	73.8	369.0	32,000							75
80	72.5	367.4	31,800	73.9	368.7	36,600				80
85	71.1	365.7	31,400	72.5	367.1	36,300				85
90	69.7	363.9	31,000	71.2	365.5	36,100				90
95	68.3	362.0	30,600	69.8	363.6	35,800				95
99	67.2	360.3	30,200	68.7	362.1	35,600	70.8	364.2	34,800	99
100	66.9	359.9	30,100	68.4	361.7	35,500	70.6	363.8	34,800	100
105	65.5	357.6	29,800	67.0	359.6	35,300	69.2	361.9	34,600	105
110	64.0	355.2	29,400	65.5	357.4	34,500	67.8	359.9	34,500	110
115	62.6	352.7	28,300	64.1	355.0	33,300	66.3	357.8	34,400	115
117	62.0	351.6	27,800	63.5	354.0	32,800	65.8	356.9	34,300	117
120	61.1	350.0	27,000	62.6	352.4	32,100	64.9	355.5	34,200	120
125	59.6	347.1	25,800	61.2	349.7	30,800	63.5	353.0	34,100	125
130	58.1	344.0	24,700	59.7	346.9	29,600	62.0	350.4	33,900	130
135	56.5	340.8	23,600	58.1	343.8	28,400	60.5	347.6	33,700	135
140	54.9	337.3	22,500	56.6	340.5	27,200	59.0	344.7	33,600	140
145	53.3	333.6	21,500	55.0	337.1	26,000	57.4	341.5	32,500	145
147	52.6	332.1	21,100	54.3	335.6	25,600	56.8	340.2	31,800	147
150	51.7	329.7	20,500	53.4	333.5	24,900	55.9	338.2	30,900	150
155	50.0	325.6	19,600	51.7	329.6	23,800	54.3	334.7	29,400	155
160	48.2	321.2	18,800	50.0	325.5	22,800	52.7	330.9	28,000	160
165	46.5	316.6	18,000	48.3	321.1	21,700	51.0	326.9	26,700	165
170	44.6	311.6	17,200	46.5	316.4	20,800	49.3	322.7	25,400	170
175	42.7	306.3	16,400	44.7	311.5	19,900	47.5	318.2	24,300	175
176	42.3	305.2	16,200	44.3	310.4	19,700	47.2	317.3	24,100	176
180	40.8	300.6	15,700	42.8	306.2	19,100	45.7	313.4	23,200	180
185	38.7	294.5	15,000	40.8	300.5	18,300	43.9	308.3	22,200	185
190	36.5	288.0	14,400	38.8	294.5	17,500	42.0	302.9	21,200	190
200	31.9	273.1	13,400	34.4	280.8	16,000	37.9	290.8	19,000	200
204	29.7	265.8	13,100	32.4	274.3	15,600	36.1	285.1	18,300	204
210	26.5	254.9	12,600	29.4	264.6	14,900	33.4	276.7	17,100	210
220	19.7	231.1	11,900	23.5	244.1	13,300	28.2	259.6	15,300	220
230	9.0	191.0	9,200	15.6	215.4	11,200	22.0	238.0	13,300	230
232	4.2	172.7	7,800	12.5	204.0	10,500	20.2	231.5	12,900	232
237				5.0	175.3	8,500	15.8	215.4	11,800	237
240							13.2	205.8	11,200	240
245							4.3	171.9	8,900	245
250										250
253										253
260										260
266										266
270										270
275										275

# MLC250 S-3

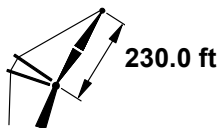
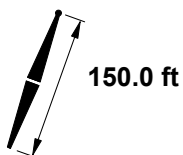
ASME B30.5



	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
67													67
70													70
75													75
80													80
85													85
90													90
95													95
99													99
100													100
105													105
110													110
115													115
117	68.0	359.0	36,300										117
120	67.1	357.7	36,300										120
125	65.7	355.5	36,300										125
130	64.3	353.1	35,800										130
135	62.8	350.6	33,900										135
140	61.3	347.9	32,100										140
145	59.8	345.0	30,500										145
147	59.2	343.8	29,900	63.0	347.9	26,600							147
150	58.3	342.0	28,900	62.1	346.4	25,800							150
155	56.7	338.8	27,500	60.6	343.6	24,500							155
160	55.2	335.3	26,200	59.1	340.7	23,300							160
165	53.6	331.7	24,900	57.6	337.5	22,100							165
170	51.9	327.9	23,800	56.0	334.2	21,000							170
175	50.2	323.8	22,700	54.4	330.7	20,000							175
176	49.9	322.9	22,500	54.1	330.0	19,800	58.0	334.3	17,200				176
180	48.5	319.4	21,600	52.8	327.0	19,100	56.8	331.7	16,500				180
185	46.7	314.8	20,700	51.2	323.0	18,200	55.2	328.3	15,700				185
190	44.9	309.9	19,700	49.5	318.8	17,300	53.6	324.7	14,900				190
200	41.1	299.0	18,000	45.9	309.6	15,700	50.3	316.8	13,500				200
204	39.4	294.0	17,400	44.4	305.4	15,200	48.9	313.2	12,900	53.0	318.0	10,100	204
210	36.9	286.5	16,500	42.1	299.1	14,300	46.8	307.8	12,100	51.0	313.2	9,300	210
220	32.3	271.8	15,100	38.1	287.1	13,000	43.1	297.7	10,700	47.5	304.5	8,200	220
230	26.9	254.0	13,800	33.6	273.1	11,800	39.1	286.1	9,600	43.8	294.6	7,100	230
232	25.6	249.3	13,600	32.6	269.7	11,600	38.2	283.4	9,300	43.1	292.4	6,900	232
237	22.3	237.7	13,000	30.0	261.3	11,100	36.0	276.6	8,800	41.1	286.7	6,400	237
240	20.3	230.8	12,600	28.5	256.2	10,800	34.7	272.6	8,500	39.9	283.4	6,100	240
245	16.1	215.3	12,100	25.6	246.3	10,200	32.3	264.9	7,900	37.8	277.1	5,600	245
250	10.2	193.3	11,100	22.3	234.9	9,800	29.8	256.5	7,400	35.6	270.3	5,200	250
253				19.7	225.5	9,400	28.0	250.5	7,200				253
260	3.2	166.3	9,300	13.8	203.5	8,700	24.0	236.5	6,500				260
266				0.3	152.5	8,000	19.3	219.8	6,000				266
270							16.2	208.7	5,600				270
275							10.5	187.0	5,100				275

# MLC250 S-3

ASME B30.5

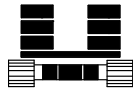


ft	88°			86°			83°			ft
	ft	lb	ft	ft	lb	ft	ft	lb		
70	75.8	380.7	30,100							70
75	74.6	379.4	29,800							75
80	73.3	377.9	29,400							80
83	72.5	376.9	29,100	73.8	378.2	34,000				83
85	71.9	376.3	29,000	73.3	377.6	33,900				85
90	70.6	374.6	28,600	72.0	376.0	33,700				90
95	69.3	372.7	28,200	70.7	374.3	33,500				95
100	68.0	370.7	27,800	69.4	372.4	33,300				100
102	67.4	369.9	27,600	68.8	371.6	33,200	70.9	373.7	32,700	102
105	66.6	368.6	27,400	68.0	370.5	33,000	70.1	372.6	32,600	105
110	65.2	366.3	27,000	66.7	368.3	32,400	68.8	370.7	32,500	110
115	63.9	363.9	26,600	65.3	366.1	31,400	67.4	368.7	32,400	115
120	62.5	361.3	25,600	63.9	363.7	30,300	66.1	366.5	32,300	120
121	62.2	360.8	25,400	63.6	363.2	30,100	65.8	366.0	32,200	121
125	61.0	358.6	24,600	62.5	361.1	29,200	64.7	364.2	32,100	125
130	59.6	355.7	23,600	61.1	358.4	28,100	63.3	361.7	32,000	130
135	58.1	352.7	22,500	59.7	355.5	27,000	61.9	359.1	31,800	135
140	56.7	349.4	21,600	58.2	352.5	26,000	60.5	356.3	31,700	140
145	55.1	346.0	20,600	56.7	349.2	24,900	59.0	353.3	31,500	145
150	53.6	342.4	19,800	55.2	345.8	23,900	57.6	350.2	30,400	150
152	53.0	340.8	19,400	54.6	344.4	23,500	57.0	348.9	29,900	152
155	52.0	338.5	18,900	53.7	342.2	22,900	56.1	346.9	29,000	155
160	50.4	334.5	18,100	52.1	338.4	22,000	54.5	343.4	27,700	160
165	48.8	330.2	17,300	50.5	334.3	21,000	53.0	339.7	26,400	165
170	47.1	325.6	16,500	48.9	330.0	20,100	51.4	335.8	25,100	170
175	45.4	320.8	15,800	47.2	325.5	19,300	49.8	331.6	24,000	175
180	43.6	315.6	15,200	45.4	320.6	18,400	48.1	327.2	22,900	180
182	42.8	313.4	14,900	44.7	318.6	18,100	47.4	325.3	22,500	182
185	41.7	310.1	14,600	43.7	315.5	17,600	46.4	322.5	21,900	185
190	39.8	304.3	14,000	41.8	310.0	16,900	44.7	317.6	20,900	190
195	37.8	298.0	13,500	39.9	304.2	16,300	42.9	312.3	19,700	195
200	35.7	291.2	13,000	37.9	297.9	15,600	41.0	306.6	18,600	200
210	31.1	275.9	12,100	33.6	283.9	14,500	37.0	294.1	16,700	210
220	25.9	257.2	11,400	28.7	267.1	13,500	32.6	279.6	14,900	220
230	19.3	232.8	10,700	23.0	246.2	12,200	27.6	262.1	13,300	230
240	8.8	191.8	7,600	15.2	216.7	9,900	21.5	239.8	11,900	240
242	4.1	173.0	6,400	12.8	207.2	9,200	20.0	234.1	11,600	242
245				9.1	192.9	8,100	17.7	225.6	11,200	245
247				4.8	175.7	7,000	15.8	218.1	10,700	247
250							12.9	206.9	9,800	250
255							4.2	172.2	7,400	255
260										260
263										263
270										270
275										275

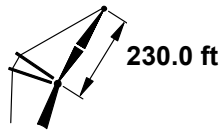
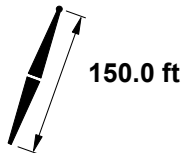


# MLC250 S-3

ASME B30.5



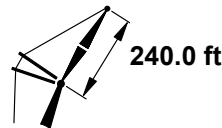
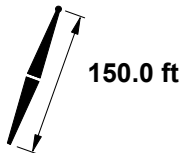
219,600 lb  
+  
80,000 lb



	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
70													70
75													75
80													80
83													83
85													85
90													90
95													95
100													100
102													102
105													105
110													110
115													115
120													120
121	67.9	368.1	34,400										121
125	66.8	366.4	34,400										125
130	65.5	364.2	34,400										130
135	64.1	361.8	33,600										135
140	62.7	359.3	31,800										140
145	61.3	356.6	30,100										145
150	59.8	353.7	28,600										150
152	59.2	352.5	28,100	62.9	356.6	24,900							152
155	58.4	350.7	27,200	62.0	355.0	24,200							155
160	56.9	347.5	25,900	60.6	352.3	22,900							160
165	55.4	344.1	24,600	59.2	349.3	21,800							165
170	53.8	340.5	23,500	57.7	346.2	20,700							170
175	52.3	336.7	22,400	56.2	342.9	19,700							175
180	50.7	332.6	21,300	54.7	339.4	18,700							180
182	50.0	330.9	20,900	54.1	337.9	18,400	57.8	342.4	15,900				182
185	49.0	328.4	20,400	53.1	335.7	17,800	56.9	340.4	15,400				185
190	47.4	323.8	19,400	51.6	331.8	17,000	55.4	337.0	14,600				190
195	45.6	319.0	18,600	49.9	327.7	16,200	53.9	333.4	13,800				195
200	43.9	313.9	17,700	48.3	323.3	15,400	52.3	329.6	13,000				200
210	40.1	302.7	16,200	44.8	313.8	14,000	49.1	321.4	11,600	53.0	326.0	8,900	210
220	36.0	289.8	14,800	41.2	302.9	12,700	45.7	312.1	10,300	49.8	317.9	7,700	220
230	31.5	274.7	13,500	37.2	290.5	11,600	42.1	301.5	9,100	46.4	308.8	6,600	230
240	26.3	256.3	12,400	32.8	276.0	10,500	38.2	289.5	8,000	42.8	298.6	5,600	240
242	25.1	251.9	12,100	31.9	272.7	10,300	37.4	286.9	7,800	42.1	296.3	5,500	242
245	23.3	245.3	11,800	30.4	267.8	9,900	36.1	282.9	7,500	41.0	292.9	5,200	245
247	21.9	240.2	11,600	29.4	264.2	9,700	35.2	280.0	7,300				247
250	19.9	232.5	11,300	27.8	258.7	9,400	33.9	275.6	7,000				250
255	15.7	216.6	10,800	25.0	248.5	8,800	31.6	267.8	6,500				255
260	10.0	194.1	9,500	21.8	236.8	8,300	29.1	259.1	6,100				260
263	3.1	166.6	7,700	19.3	227.1	8,000	27.4	253.0	5,800				263
270				13.4	204.7	7,400	23.4	238.6	5,200				270
275				5.7	173.9	6,900							275

# MLC250 S-3

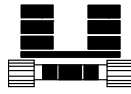
ASME B30.5



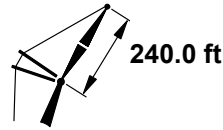
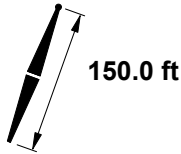
ft	88°			86°			83°			ft
	ft	lb	ft	ft	lb	ft	ft	lb	ft	
73	76.0	390.6	26,900							73
75	75.5	390.0	26,800							75
80	74.3	388.7	26,600							80
85	73.0	387.2	26,400							85
87	72.5	386.5	26,300	73.8	387.8	29,500				87
90	71.8	385.6	26,100	73.1	386.9	29,500				90
95	70.5	383.8	25,700	71.8	385.3	29,500				95
100	69.2	381.9	25,400	70.6	383.5	29,500				100
105	67.9	380.0	25,000	69.3	381.7	29,500				105
106	67.7	379.5	25,000	69.0	381.3	29,400	71.0	383.3	29,100	106
110	66.6	377.8	24,700	68.0	379.7	29,300	70.0	381.9	29,000	110
115	65.3	375.6	24,400	66.7	377.6	29,100	68.7	380.0	28,800	115
120	64.0	373.2	24,100	65.4	375.3	28,900	67.4	377.9	28,700	120
125	62.7	370.6	23,700	64.1	372.9	28,000	66.1	375.7	28,600	125
126	62.4	370.1	23,600	63.8	372.4	27,900	65.9	375.3	28,500	126
130	61.3	367.9	23,000	62.7	370.4	27,200	64.8	373.4	28,400	130
135	59.9	365.1	22,100	61.4	367.7	26,200	63.5	371.0	28,300	135
140	58.5	362.1	21,200	60.0	364.9	25,300	62.1	368.4	28,100	140
145	57.1	358.9	20,400	58.6	361.9	24,400	60.8	365.6	28,000	145
150	55.7	355.5	19,500	57.2	358.7	23,500	59.4	362.7	27,800	150
155	54.2	352.0	18,700	55.8	355.3	22,600	58.0	359.6	27,700	155
158	53.3	349.7	18,200	54.9	353.2	22,000	57.1	357.7	27,500	158
160	52.7	348.2	17,900	54.3	351.8	21,700	56.6	356.4	27,300	160
165	51.2	344.3	17,200	52.8	348.1	20,900	55.1	352.9	26,000	165
170	49.7	340.1	16,500	51.3	344.1	20,000	53.6	349.3	24,800	170
175	48.1	335.7	15,800	49.7	339.9	19,200	52.1	345.5	23,600	175
180	46.4	331.0	15,200	48.1	335.5	18,400	50.6	341.4	22,600	180
185	44.8	326.1	14,600	46.5	330.9	17,700	49.0	337.2	21,500	185
188	43.7	322.9	14,200	45.5	327.9	17,200	48.1	334.5	21,000	188
190	43.0	320.8	13,900	44.8	325.9	17,000	47.4	332.7	20,600	190
195	41.2	315.2	13,400	43.1	320.7	16,300	45.8	327.9	19,700	195
200	39.4	309.3	12,800	41.3	315.1	15,700	44.1	322.8	18,600	200
205	37.4	302.9	12,400	39.5	309.2	15,000	42.3	317.4	17,600	205
210	35.4	296.0	12,000	37.5	302.8	14,500	40.5	311.7	16,600	210
220	31.0	280.6	11,200	33.4	288.6	13,400	36.7	299.0	14,800	220
230	26.0	261.9	10,300	28.7	271.8	12,000	32.4	284.3	13,100	230
240	19.7	237.8	9,100	23.2	251.0	10,600	27.6	266.8	11,600	240
250	10.3	199.7	6,500	15.9	222.3	8,600	21.8	244.7	10,300	250
258				5.2	178.2	5,600	15.4	219.4	8,800	258
260							13.9	213.0	8,500	260
266							4.6	174.9	6,000	266
270										270
274										274
280										280
287										287

# MLC250 S-3

ASME B30.5



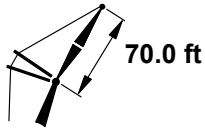
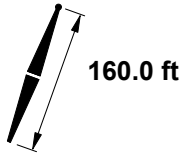
219,600 lb  
+  
80,000 lb



	80°			75°			70°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
73										73
75										75
80										80
85										85
87										87
90										90
95										95
100										100
105										105
106										106
110										110
115										115
120										120
125										125
126	67.9	377.4	29,500							126
130	66.8	375.7	29,500							130
135	65.5	373.4	29,500							135
140	64.2	371.1	29,500							140
145	62.9	368.5	29,500							145
150	61.5	365.9	28,200							150
155	60.2	363.0	26,800							155
158	59.3	361.2	26,000	62.8	365.4	23,000				158
160	58.8	360.1	25,500	62.3	364.3	22,500				160
165	57.4	356.9	24,300	60.9	361.6	21,400				165
170	55.9	353.6	23,100	59.5	358.7	20,300				170
175	54.5	350.0	22,000	58.1	355.6	19,300				175
180	53.0	346.3	21,000	56.7	352.4	18,300				180
185	51.5	342.4	20,000	55.3	349.0	17,400				185
188	50.5	339.9	19,400	54.4	346.8	16,900	58.0	351.1	14,200	188
190	49.9	338.3	19,100	53.8	345.4	16,600	57.4	349.8	13,900	190
195	48.3	333.9	18,200	52.3	341.6	15,800	56.0	346.5	13,100	195
200	46.7	329.3	17,400	50.8	337.5	15,000	54.5	343.0	12,300	200
205	45.0	324.4	16,600	49.2	333.3	14,300	53.0	339.3	11,600	205
210	43.3	319.2	15,800	47.6	328.8	13,600	51.5	335.4	10,900	210
220	39.7	307.7	14,400	44.2	319.0	12,300	48.4	326.9	9,600	220
230	35.7	294.6	13,200	40.7	308.0	11,100	45.1	317.4	8,500	230
240	31.4	279.4	12,000	36.9	295.4	9,900	41.6	306.6	7,400	240
250	26.4	261.0	10,900	32.6	280.8	8,800	37.8	294.5	6,400	250
258	21.5	242.2	10,100	28.8	266.9	8,000	34.5	283.2	5,600	258
260	20.3	237.5	9,900	27.8	263.4	7,800	33.7	280.4	5,500	260
266	14.9	215.9	8,900	24.4	250.3	7,200				266
270	11.3	201.4	8,300	22.1	241.6	6,800				270
274	3.8	169.9	6,400	19.0	229.3	6,400				274
280				14.4	210.7	5,900				280
287				2.5	161.5	5,200				287

# MLC250 S-3

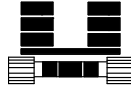
ASME B30.5



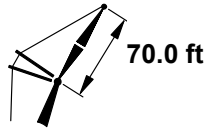
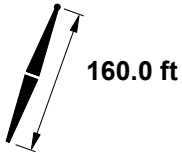
	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
34	73.5	234.7	117,600 d							34
36	71.7	234.1	115,800 d							36
38	70.0	233.3	114,000 d							38
39	69.1	232.9	113,000 d	74.0	234.6	130,800 d				39
40	68.2	232.5	112,100 d	73.1	234.2	129,200 d				40
45	63.7	230.2	107,900 b	68.7	232.4	121,000 d				45
50	59.0	227.3	104,400 b	64.2	230.1	113,300 b				50
51	58.0	226.7	103,400 b	63.3	229.6	111,900 b	70.8	232.4	122,400 d	51
55	54.0	223.9	99,400	59.5	227.3	106,300 b	67.2	230.8	116,500 c	55
60	48.7	219.7	90,700	54.6	224.0	100,100	62.7	228.3	109,500 b	60
63	45.2	216.7	86,200	51.4	221.5	96,700	59.8	226.5	105,600 b	63
65	42.9	214.7	83,200	49.3	219.9	94,400	57.9	225.3	103,000 b	65
70	36.3	208.4	76,700	43.6	215.0	89,400	52.9	221.8	93,800	70
75	28.4	200.2	71,600	37.1	208.9	84,000	47.5	217.4	86,000	75
80	17.5	187.8	68,800	29.4	200.9	77,800	41.5	212.2	79,300	80
82	10.0	178.9	62,100	25.3	196.2	75,600	38.8	209.5	76,900	82
85				19.0	189.2	72,300	34.7	205.5	73,400	85
88				7.3	175.3	61,000	29.7	200.2	70,300	88
90							26.4	196.7	68,300	90
95							13.9	182.3	63,600	95
96							9.4	176.9	62,700	96
100										100
105										105
110										110
115										115
118										118
120										120
125										125
130										130
131										131
135										135
140										140
144										144

# MLC250 S-3

ASME B30.5



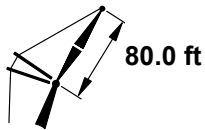
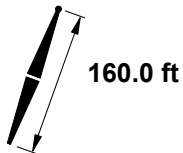
219,600 lb  
+  
80,000 lb



	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
34													34
36													36
38													38
39													39
40													40
45													45
50													50
51													51
55													55
60													60
63	67.5	229.5	102,800 c										63
65	65.7	228.6	98,800 b										65
70	61.1	226.0	89,900 b										70
75	56.2	222.8	82,400										75
80	51.1	219.0	76,000										80
82	48.8	217.1	73,800	62.6	223.7	68,400 b							82
85	45.5	214.4	70,400	59.7	221.9	65,400 b							85
88	41.8	211.0	67,500	56.8	219.9	62,600 b							88
90	39.3	208.7	65,500	54.8	218.6	60,800							90
95	32.1	201.4	61,100	49.5	214.6	56,800							95
96	30.2	199.4	60,400	48.4	213.6	56,100							96
100	22.9	191.4	57,200	43.8	209.7	53,200	58.0	216.5	49,100 b				100
105	2.1	166.6	53,500	37.4	203.6	49,900	53.0	212.9	46,100				105
110				29.8	195.8	47,000	47.6	208.6	43,400				110
115				19.5	184.3	44,300	41.7	203.3	40,900				115
118				8.5	171.3	42,700	37.6	199.4	39,600	52.8	207.2	36,300	118
120							34.9	196.7	38,700	50.7	205.6	35,500	120
125							26.6	188.0	36,600	45.1	200.9	33,600	125
130							14.3	173.8	34,600	38.8	195.1	31,800	130
131							10.0	168.6	34,200	37.4	193.6	31,500	131
135										31.5	187.7	30,200	135
140										22.1	177.4	28,700	140
144										9.0	161.9	27,400	144

# MLC250 S-3

ASME B30.5



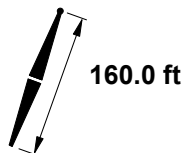
	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
34	75.6	245.2	107,900 d							34
36	74.1	244.6	106,400 d							36
38	72.6	244.0	104,900 d							38
40	71.1	243.3	103,300 c							40
42	69.5	242.5	101,800 c	73.8	244.1	118,000 d				42
45	67.2	241.3	99,500 b	71.5	243.1	116,200 d				45
50	63.3	238.9	96,100 b	67.7	241.1	109,300 b				50
54	59.9	236.6	93,700 b	64.5	239.3	104,100 b	71.0	241.9	113,500 c	54
55	59.1	236.0	93,200	63.7	238.8	102,800 b	70.2	241.6	112,200 c	55
60	54.8	232.6	87,700	59.6	236.0	96,900	66.4	239.5	105,900 b	60
65	50.2	228.7	80,100	55.3	232.7	91,600	62.4	237.0	99,900	65
67	48.3	226.8	77,400	53.5	231.1	89,600	60.7	235.8	97,300	67
70	45.3	224.0	73,500	50.8	228.8	86,800	58.2	234.0	93,300	70
75	39.9	218.4	67,900	45.9	224.2	81,400	53.8	230.5	85,500	75
80	33.8	211.5	63,100	40.6	218.7	74,900	49.2	226.4	78,900	80
85	26.5	202.6	59,400	34.6	212.0	69,500	44.2	221.6	73,100	85
87	22.4	197.2	58,600	31.7	208.5	67,700	42.0	219.2	71,000	87
90	16.2	189.2	57,500	27.4	203.4	65,000	38.7	215.7	68,000	90
92	9.3	179.6	54,700	23.6	198.3	63,800	36.1	212.8	66,200	92
95				17.7	190.8	62,000	32.4	208.4	63,500	95
98				6.8	175.8	53,900	27.7	202.7	61,000	98
100							24.6	198.9	59,400	100
105							12.9	183.3	55,700	105
106							8.7	177.6	55,000	106
110										110
115										115
120										120
124										124
125										125
128										128
130										130
135										135
140										140
141										141
145										145
150										150
154										154

# MLC250 S-3

ASME B30.5



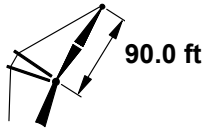
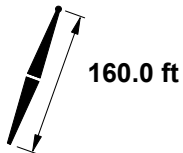
219,600 lb  
+  
80,000 lb



	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
34													34
36													36
38													38
40													40
42													42
45													45
50													50
54													54
55													55
60													60
65													65
67	67.4	238.7	94,500 b										67
70	65.0	237.3	89,400 b										70
75	60.9	234.7	81,900										75
80	56.7	231.5	75,500										80
85	52.3	227.8	69,900										85
87	50.4	226.1	68,000	62.2	232.3	62,900							87
90	47.5	223.5	65,100	59.8	230.6	60,200							90
92	45.4	221.4	63,300	58.0	229.3	58,600							92
95	42.3	218.3	60,700	55.5	227.3	56,200							95
98	38.9	214.5	58,400	52.8	225.0	54,100							98
100	36.6	212.0	56,900	50.9	223.5	52,600							100
105	29.9	204.1	53,400	46.1	218.9	49,400							105
106	28.2	201.9	52,800	45.0	217.8	48,900	57.4	224.5	44,900				106
110	21.3	193.2	50,300	40.8	213.4	46,500	53.9	221.7	42,800				110
115	1.8	166.6	47,200	34.8	206.8	43,900	49.3	217.6	40,400				115
120				27.7	198.2	41,500	44.3	212.7	38,100				120
124				20.1	188.3	39,700	39.9	208.0	36,500	52.9	215.2	33,300	124
125				18.2	185.9	39,200	38.8	206.9	36,100	51.9	214.4	33,000	125
128				7.9	171.9	37,900	35.0	202.5	35,000	49.1	211.8	31,900	128
130							32.5	199.7	34,200	47.2	210.0	31,200	130
135							24.8	190.2	32,500	42.0	204.8	29,600	135
140							13.3	174.9	30,800	36.2	198.4	28,200	140
141							9.3	169.4	30,400	34.8	196.8	27,900	141
145										29.4	190.4	26,800	145
150										20.6	179.2	25,400	150
154										8.3	162.6	24,300	154

# MLC250 S-3

ASME B30.5

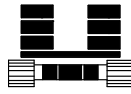


	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
36	75.9	255.0	97,900 d							36
38	74.6	254.4	96,700 d							38
40	73.3	253.8	95,400 c							40
45	69.9	252.1	92,100 b	73.6	253.6	111,900 d				45
50	66.4	250.0	89,000 b	70.3	251.9	105,700 b				50
55	62.9	247.5	86,200	66.8	249.9	99,800 b				55
58	60.7	245.8	84,700	64.7	248.4	96,500 b	70.5	251.1	104,900 b	58
60	59.2	244.7	83,700	63.3	247.5	94,200	69.1	250.4	102,700 b	60
65	55.4	241.4	77,500	59.7	244.7	89,100	65.7	248.2	97,200	65
70	51.4	237.5	71,100	55.9	241.4	84,500	62.1	245.6	92,100	70
75	47.1	233.1	65,500	51.9	237.6	79,100	58.4	242.7	85,300	75
80	42.6	227.9	60,600	47.6	233.3	73,300	54.5	239.3	78,600	80
85	37.5	221.8	56,300	43.1	228.2	67,400	50.5	235.3	72,800	85
90	31.8	214.3	52,700	38.1	222.2	62,400	46.2	230.7	67,700	90
91	30.4	212.4	52,100	37.0	220.7	61,600	45.2	229.7	66,900	91
95	24.9	204.8	50,000	32.5	214.9	58,200	41.5	225.4	63,300	95
100	15.3	190.4	48,000	25.8	205.6	54,800	36.3	219.0	59,300	100
102	8.7	180.3	48,000	22.1	200.3	53,900	34.0	215.9	57,800	102
105				16.7	192.2	52,600	30.4	211.2	55,700	105
108				6.3	176.3	48,300	26.1	205.0	53,700	108
110							23.1	200.9	52,400	110
111							20.9	197.6	51,800	111
115							12.1	184.3	49,400	115
116							8.2	178.3	48,800	116
120										120
125										125
130										130
135										135
138										138
140										140
145										145
150										150
151										151
155										155
160										160
164										164

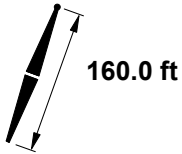


# MLC250 S-3

ASME B30.5



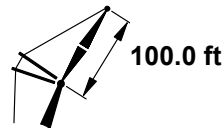
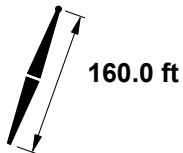
219,600 lb  
+  
80,000 lb



	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
36													36
38													38
40													40
45													45
50													50
55													55
58													58
60													60
65													65
70	67.9	248.3	89,000 b										70
75	64.4	246.0	81,500										75
80	60.8	243.3	75,200										80
85	57.1	240.2	69,600										85
90	53.2	236.6	64,800										90
91	52.3	235.8	63,900	62.7	241.5	59,000							91
95	49.0	232.5	60,500	59.8	239.3	55,800							95
100	44.6	227.6	56,600	56.0	236.0	52,300							100
102	42.7	225.3	55,300	54.4	234.5	51,000							102
105	39.8	221.9	53,200	52.0	232.3	49,100							105
108	36.5	217.9	51,300	49.5	229.7	47,400							108
110	34.4	215.1	50,100	47.8	228.0	46,200							110
111	33.1	213.4	49,500	46.9	226.9	45,700	57.7	233.2	41,900				111
115	28.1	206.6	47,300	43.3	222.9	43,600	54.6	230.4	40,000				115
116	26.5	204.3	46,800	42.3	221.7	43,100	53.8	229.6	39,500				116
120	20.0	195.0	44,700	38.3	216.9	41,200	50.6	226.5	37,800				120
125	1.6	166.6	42,100	32.7	209.7	39,000	46.3	221.9	35,800				125
130				26.1	200.5	37,000	41.6	216.6	33,900	52.9	223.2	30,800	130
135				17.1	187.3	35,100	36.5	210.2	32,200	48.7	219.0	29,300	135
138				7.4	172.5	34,000	32.9	205.5	31,200	46.1	216.1	28,400	138
140							30.6	202.4	30,600	44.3	214.1	27,800	140
145							23.3	192.2	29,100	39.4	208.4	26,400	145
150							12.5	175.9	27,600	34.0	201.5	25,200	150
151							8.7	170.1	27,300	32.7	199.8	24,900	151
155										27.6	192.8	24,000	155
160										19.4	180.9	22,800	160
164										7.8	163.2	21,900	164

# MLC250 S-3

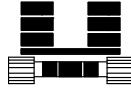
ASME B30.5



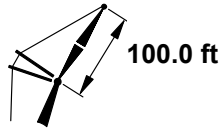
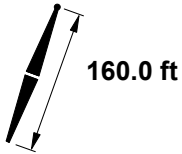
	88°			86°			83°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
39	75.6	264.5	88,400 d						39	
40	75.0	264.3	87,900 d						40	
45	72.0	262.7	85,200 b						45	
48	70.1	261.6	83,600 b	73.5	263.2	102,800 b			48	
50	68.9	260.9	82,500 b	72.3	262.5	101,600 b			50	
55	65.8	258.7	79,900	69.3	260.7	96,300 b			55	
60	62.6	256.2	77,600	66.2	258.6	91,200			60	
61	61.9	255.6	77,000	65.5	258.1	90,200	70.7	260.7	98,000 b	
65	59.3	253.3	74,400	63.0	256.1	86,500	68.2	259.1	94,000	
70	55.9	250.1	68,900	59.7	253.3	82,100	65.1	256.9	89,200	
74	53.0	247.1	64,700	57.0	250.7	77,800	62.5	254.8	85,700	
75	52.3	246.3	63,600	56.3	250.1	76,800	61.9	254.3	84,800	
80	48.6	242.1	58,700	52.7	246.4	71,000	58.6	251.4	78,100	
85	44.6	237.2	54,300	49.0	242.3	65,900	55.1	248.0	72,300	
90	40.2	231.6	50,600	45.0	237.5	60,800	51.5	244.2	67,300	
95	35.5	225.0	47,300	40.8	231.9	56,500	47.7	239.8	62,800	
96	34.4	223.4	46,700	39.8	230.6	55,700	46.9	238.8	62,000	
100	30.1	217.0	44,600	36.1	225.5	52,600	43.6	234.8	58,900	
105	23.6	206.8	42,500	30.8	217.7	49,300	39.2	229.0	55,300	
110	14.4	191.7	41,400	24.4	207.8	46,700	34.4	222.1	52,100	
112	8.2	181.0	41,400	20.9	202.1	46,000	32.1	218.8	50,900	
115				15.8	193.5	45,000	28.8	213.7	49,100	
116				12.5	187.9	44,000	27.4	211.5	48,600	
118				6.0	176.7	42,200	24.7	207.2	47,500	
120							21.9	202.8	46,400	
125							11.5	185.3	43,900	
126							7.7	178.9	43,400	
130									130	
135									135	
136									136	
140									140	
145									145	
148									148	
150									150	
155									155	
160									160	
161									161	
165									165	
170									170	
174									174	

# MLC250 S-3

ASME B30.5



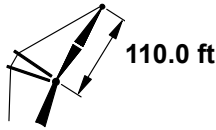
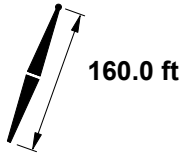
219,600 lb  
+  
80,000 lb



	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
39													39
40													40
45													45
48													48
50													50
55													55
60													60
61													61
65													65
70													70
74	67.8	257.5	82,400										74
75	67.2	257.0	81,000										75
80	64.0	254.7	74,600										80
85	60.7	252.0	69,100										85
90	57.4	248.9	64,200										90
95	53.9	245.4	60,000										95
96	53.1	244.6	59,200	62.4	250.2	54,500							96
100	50.2	241.4	56,100	59.8	247.9	51,700							100
105	46.3	236.8	52,700	56.4	244.7	48,500							105
110	42.2	231.5	49,700	52.9	241.1	45,600							110
112	40.3	229.1	48,500	51.4	239.4	44,600							112
115	37.6	225.4	46,900	49.1	236.9	43,100							115
116	36.6	223.9	46,300	48.3	236.0	42,600	58.0	241.8	38,900				116
118	34.6	221.0	45,300	46.8	234.1	41,600	56.6	240.5	38,000				118
120	32.5	218.1	44,300	45.2	232.2	40,700	55.2	239.1	37,100				120
125	26.6	209.0	42,000	40.9	226.7	38,500	51.6	235.3	35,100				125
126	25.1	206.5	41,500	40.0	225.4	38,100	50.8	234.4	34,800				126
130	19.0	196.6	39,800	36.2	220.2	36,500	47.8	230.9	33,300				130
135	1.5	166.6	37,600	31.0	212.5	34,700	43.7	226.0	31,600				135
136				29.7	210.5	34,400	42.8	224.8	31,300	52.9	231.2	28,300	136
140				24.7	202.7	33,000	39.3	220.2	30,100	49.9	228.0	27,200	140
145				16.1	188.7	31,400	34.5	213.3	28,600	46.0	223.3	25,800	145
148				7.0	173.0	30,400	31.1	208.3	27,800	43.5	220.1	25,100	148
150							28.9	205.0	27,200	41.9	218.0	24,600	150
155							22.1	194.1	25,900	37.3	211.8	23,400	155
160							11.8	176.9	24,700	32.2	204.4	22,300	160
161							8.2	170.7	24,400	31.0	202.5	22,100	161
165										26.1	195.1	21,200	165
170										18.3	182.4	20,200	170
174										7.4	163.8	19,400	174

# MLC250 S-3

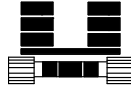
ASME B30.5



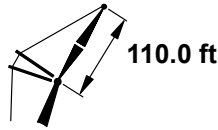
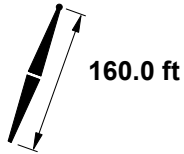
	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
41	75.8	274.4	80,700 c							41
45	73.7	273.2	78,900 b							45
50	70.9	271.5	77,700 b	74.0	273.0	94,000 b				50
55	68.1	269.6	74,400	71.2	271.4	92,500				55
60	65.3	267.4	72,300	68.5	269.5	88,300				60
64	62.9	265.4	70,700	66.2	267.7	84,800	70.9	270.2	91,700	64
65	62.4	264.9	70,300	65.6	267.3	83,900	70.3	269.9	90,900	65
70	59.4	262.0	66,500	62.7	264.8	79,700	67.5	267.9	86,600	70
75	56.3	258.8	61,700	59.7	262.0	74,300	64.7	265.6	82,400	75
78	54.3	256.6	59,100	57.9	260.1	71,200	62.9	264.0	79,800	78
80	53.0	255.1	57,300	56.6	258.8	69,100	61.7	263.0	78,000	80
85	49.7	251.0	52,900	53.4	255.2	64,200	58.7	260.0	72,200	85
90	46.1	246.4	49,200	50.1	251.2	59,700	55.6	256.7	67,200	90
95	42.4	241.2	45,900	46.5	246.6	55,600	52.3	253.0	62,700	95
100	38.3	235.1	42,900	42.8	241.4	51,400	48.9	248.8	58,800	100
105	33.8	228.1	40,400	38.8	235.5	48,000	45.3	244.0	55,200	105
110	28.6	219.6	38,200	34.3	228.6	45,000	41.5	238.6	52,000	110
115	22.4	208.8	36,600	29.3	220.3	42,400	37.3	232.4	49,100	115
120	13.7	192.8	35,900	23.2	209.8	40,300	32.7	225.1	46,400	120
122	7.8	181.6	35,900	19.9	203.8	39,800	30.6	221.5	45,500	122
125				15.0	194.8	39,100	27.4	216.2	44,000	125
128				5.6	177.2	37,400	23.5	209.2	42,700	128
130							20.8	204.6	41,800	130
135							10.9	186.2	39,600	135
136							7.3	179.5	39,200	136
140										140
142										142
145										145
150										150
155										155
158										158
160										160
165										165
170										170
171										171
175										175
180										180
184										184

# MLC250 S-3

ASME B30.5



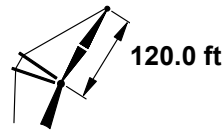
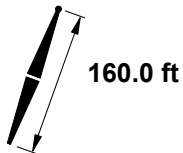
219,600 lb  
+  
80,000 lb



	80°			75°			70°			65°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
41													41
45													45
50													50
55													55
60													60
64													64
65													65
70													70
75													75
78	67.7	266.6	76,900										78
80	66.5	265.7	74,400										80
85	63.6	263.4	68,900										85
90	60.7	260.6	64,100										90
95	57.6	257.6	59,800										95
100	54.5	254.1	56,000	62.8	259.4	51,500							100
105	51.2	250.2	52,600	59.8	256.6	48,300							105
110	47.7	245.8	49,600	56.7	253.4	45,500							110
115	44.0	240.9	46,800	53.5	249.8	42,900							115
120	40.1	235.2	44,200	50.2	245.8	40,600							120
122	38.4	232.6	43,300	48.8	244.0	39,700	57.5	249.9	36,100				122
125	35.8	228.6	41,900	46.7	241.3	38,400	55.6	247.8	35,000				125
128	32.9	223.9	40,600	44.4	238.2	37,200	53.7	245.6	33,900				128
130	31.0	220.8	39,800	42.9	236.1	36,500	52.4	244.1	33,200				130
135	25.3	211.2	37,800	38.9	230.2	34,600	49.0	239.9	31,500				135
136	23.8	208.6	37,400	38.0	228.8	34,300	48.3	239.0	31,200				136
140	18.0	198.2	35,900	34.5	223.3	32,900	45.4	235.2	29,900				140
142	11.3	185.5	35,200	32.5	220.1	32,300	43.9	233.0	29,300	52.9	239.2	26,400	142
145	1.3	166.6	34,100	29.5	215.1	31,400	41.6	229.8	28,500	50.9	236.8	25,700	145
150				23.5	204.8	29,900	37.4	223.6	27,100	47.5	232.4	24,400	150
155				15.4	190.0	28,500	32.8	216.3	25,900	43.8	227.4	23,300	155
158				6.6	173.5	27,600	29.6	211.0	25,200	41.4	224.0	22,600	158
160							27.5	207.4	24,700	39.8	221.7	22,200	160
165							21.0	196.0	23,500	35.5	215.0	21,200	165
170							11.2	177.8	22,400	30.6	207.1	20,200	170
171							7.8	171.4	22,200	29.5	205.2	20,000	171
175										24.9	197.3	19,300	175
180										17.4	183.9	18,400	180
184										7.0	164.3	17,600	184

# MLC250 S-3

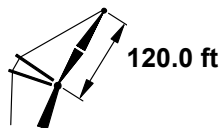
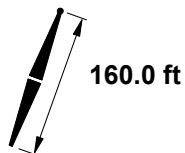
ASME B30.5



	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
44	75.6	283.9	73,300 b							44
45	75.1	283.6	72,900 b							45
50	72.6	282.1	72,100 b							50
53	71.1	281.1	70,300 b	73.9	282.6	85,600 b				53
55	70.1	280.4	69,100	72.9	281.9	85,300				55
60	67.5	278.4	68,200	70.3	280.2	83,700				60
65	64.9	276.1	65,500	67.8	278.2	81,000				65
67	63.8	275.1	65,100	66.7	277.3	79,200	71.0	279.8	84,100	67
70	62.2	273.5	64,300	65.2	276.0	76,500	69.5	278.7	83,400	70
75	59.4	270.7	59,900	62.5	273.5	71,900	66.9	276.6	79,800	75
80	56.6	267.5	55,700	59.7	270.6	67,200	64.3	274.3	76,100	80
82	55.4	266.0	54,300	58.6	269.4	65,500	63.2	273.2	74,400	82
85	53.7	263.9	52,000	56.9	267.5	62,800	61.6	271.6	71,700	85
90	50.6	259.9	48,500	54.0	264.0	58,500	58.8	268.7	66,700	90
95	47.4	255.5	45,000	51.0	260.0	54,500	56.0	265.4	62,300	95
100	44.0	250.5	42,000	47.8	255.6	51,000	53.0	261.8	58,300	100
105	40.4	244.9	39,300	44.4	250.7	47,400	49.9	257.7	54,800	105
110	36.6	238.4	37,000	40.9	245.2	44,300	46.7	253.1	51,600	110
115	32.3	231.0	35,000	37.0	238.9	41,500	43.3	248.0	48,700	115
120	27.4	222.0	33,300	32.8	231.5	39,100	39.6	242.2	46,000	120
125	21.4	210.7	32,100	28.0	222.8	37,000	35.7	235.6	43,600	125
127	18.1	204.0	31,900	25.7	218.4	36,400	33.9	232.5	42,700	127
130	13.1	194.0	31,600	22.2	211.8	35,400	31.2	227.9	41,400	130
132	7.4	182.2	31,600	19.0	205.5	35,000	29.2	224.1	40,600	132
135				14.3	196.1	34,400	26.2	218.5	39,300	135
138				5.4	177.6	33,000	22.4	211.2	38,200	138
140							19.9	206.4	37,400	140
145							10.4	187.1	35,600	145
146							7.0	180.0	35,000	146
148										148
150										150
155										155
160										160
165										165
168										168
170										170
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180										180
181										181
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190										190
194										194

# MLC250 S-3

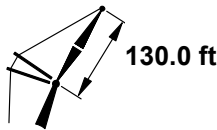
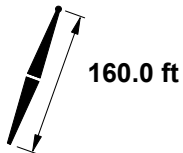
ASME B30.5



	80°			75°			70°			65°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
44													44
45													45
50													50
53													53
55													55
60													60
65													65
67													67
70													70
75													75
80													80
82	67.6	275.8	71,600										82
85	66.0	274.5	68,400										85
90	63.3	272.0	63,500										90
95	60.6	269.3	59,300										95
100	57.8	266.2	55,500										100
105	54.9	262.8	52,100	62.6	268.1	47,700							105
110	51.9	259.0	49,100	59.8	265.3	44,900							110
115	48.8	254.8	46,300	57.0	262.1	42,300							115
120	45.5	250.1	43,800	54.1	258.6	40,000							120
125	42.0	244.7	41,500	51.1	254.7	37,900							125
127	40.5	242.3	40,600	49.8	252.9	37,100	57.7	258.5	33,600				127
130	38.3	238.7	39,300	47.9	250.3	35,900	56.0	256.5	32,500				130
132	36.6	235.9	38,600	46.6	248.4	35,200	54.8	255.1	31,900				132
135	34.2	231.7	37,400	44.6	245.4	34,100	53.1	252.9	30,900				135
138	31.4	226.8	36,300	42.4	242.1	33,100	51.2	250.5	29,900				138
140	29.6	223.5	35,600	41.0	239.9	32,400	50.0	248.8	29,300				140
145	24.2	213.3	33,900	37.2	233.6	30,900	46.8	244.3	27,900				145
146	22.8	210.6	33,500	36.3	232.1	30,600	46.1	243.3	27,600				146
148	20.0	205.1	32,900	34.6	229.2	30,000	44.7	241.2	27,100	52.9	247.2	24,300	148
150	17.2	199.7	32,300	32.9	226.3	29,400	43.3	239.2	26,600	51.7	245.7	23,800	150
155	1.2	166.6	30,600	28.2	217.6	28,100	39.7	233.4	25,300	48.6	241.4	22,600	155
160				22.4	206.7	26,800	35.7	226.8	24,100	45.3	236.6	21,600	160
165				14.7	191.3	25,500	31.3	219.1	23,000	41.8	231.2	20,600	165
168				6.3	174.1	24,800	28.3	213.5	22,400	39.5	227.6	20,000	168
170							26.3	209.8	22,000	38.0	225.1	19,600	170
175							20.1	197.7	21,000	33.9	218.1	18,700	175
180							10.7	178.7	20,000	29.2	209.7	17,900	180
181							7.4	172.0	19,800	28.1	207.7	17,700	181
185										23.8	199.4	17,100	185
190										16.6	185.4	16,300	190
194										6.7	164.9	15,600	194

# MLC250 S-3

ASME B30.5



	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
46	75.8	293.7	68,000 b							46
50	74.0	292.6	66,900 b							50
55	71.6	291.0	65,300							55
56	71.2	290.6	64,800	73.8	292.1	78,400				56
60	69.3	289.2	62,800	71.9	290.8	77,700				60
65	66.9	287.1	62,100	69.6	289.0	76,200				65
70	64.5	284.8	60,500	67.2	287.0	73,100				70
71	64.0	284.3	60,000	66.7	286.5	72,300	70.7	289.0	76,800	71
75	62.0	282.2	58,000	64.8	284.7	69,000	68.8	287.4	76,800	75
80	59.5	279.3	54,100	62.3	282.1	65,000	66.4	285.3	74,000	80
85	56.9	276.1	50,500	59.8	279.3	60,900	63.9	282.9	70,900	85
90	54.2	272.6	47,300	57.2	276.2	57,100	61.5	280.3	66,300	90
95	51.4	268.8	44,200	54.5	272.7	53,400	58.9	277.4	61,900	95
100	48.5	264.5	41,200	51.7	268.9	49,900	56.3	274.1	58,000	100
105	45.4	259.7	38,500	48.8	264.6	46,800	53.6	270.5	54,400	105
109	42.8	255.4	36,700	46.4	260.8	44,400	51.3	267.4	51,900	109
110	42.2	254.4	36,200	45.8	259.9	43,800	50.7	266.6	51,200	110
115	38.8	248.4	34,100	42.6	254.7	40,900	47.8	262.2	48,400	115
120	35.1	241.6	32,200	39.2	248.8	38,400	44.7	257.3	45,700	120
125	30.9	233.7	30,600	35.5	242.1	36,200	41.5	251.8	43,300	125
130	26.3	224.3	29,200	31.4	234.3	34,200	38.0	245.7	41,100	130
132	24.0	219.6	28,800	29.6	230.7	33,500	36.5	242.9	40,300	132
135	20.6	212.5	28,300	26.8	225.2	32,500	34.2	238.7	39,100	135
140	12.6	195.0	27,900	21.3	213.6	31,200	30.0	230.5	37,200	140
142	7.1	182.8	27,900	18.3	207.1	30,900	28.0	226.6	36,500	142
145				13.7	197.2	30,400	25.1	220.7	35,400	145
148				5.1	178.0	29,200	21.5	213.1	34,400	148
150							19.1	208.0	33,800	150
154							11.8	191.9	32,500	154
155							10.0	187.9	32,200	155
156							6.7	180.6	31,000	156
160										160
165										165
170										170
175										175
178										178
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200										200
204										204

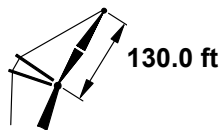
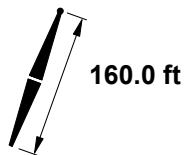


# MLC250 S-3

ASME B30.5



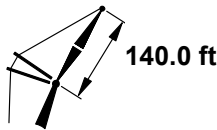
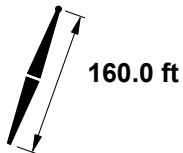
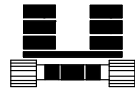
219,600 lb  
+  
80,000 lb



	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
46													46
50													50
55													55
56													56
60													60
65													65
70													70
71													71
75													75
80													80
85	68.0	285.4	67,900										85
90	65.5	283.2	63,100										90
95	63.1	280.7	58,900										95
100	60.6	278.0	55,100										100
105	58.0	274.9	51,700										105
109	55.9	272.2	49,300	62.9	277.3	45,000							109
110	55.3	271.6	48,700	62.4	276.7	44,500							110
115	52.6	267.8	45,900	59.9	273.9	41,900							115
120	49.7	263.7	43,400	57.3	270.8	39,600							120
125	46.8	259.2	41,100	54.6	267.3	37,500							125
130	43.6	254.1	39,000	51.8	263.5	35,500							130
132	42.3	251.8	38,200	50.6	261.8	34,800	57.9	267.2	31,400				132
135	40.3	248.4	37,100	48.9	259.3	33,700	56.3	265.2	30,400				135
140	36.7	242.0	35,300	45.9	254.6	32,100	53.6	261.7	28,900				140
142	35.1	239.1	34,600	44.6	252.5	31,400	52.5	260.1	28,300				142
145	32.8	234.7	33,600	42.7	249.4	30,500	50.8	257.7	27,500				145
148	30.1	229.5	32,600	40.7	245.8	29,600	49.0	255.1	26,700				148
150	28.4	226.0	32,000	39.3	243.5	29,100	47.9	253.3	26,200				150
154	24.2	217.5	30,800	36.4	238.2	28,000	45.4	249.4	25,200	53.0	255.2	22,400	154
155	23.2	215.4	30,500	35.6	236.8	27,700	44.8	248.4	24,900	52.4	254.5	22,200	155
156	21.9	212.5	30,300	34.8	235.3	27,500	44.1	247.4	24,700	51.8	253.6	22,000	156
160	16.5	201.1	29,200	31.6	229.1	26,500	41.5	243.0	23,800	49.5	250.3	21,100	160
165	1.1	166.6	27,700	27.0	220.0	25,300	38.1	236.9	22,700	46.6	245.7	20,100	165
170				21.5	208.6	24,100	34.3	229.9	21,700	43.4	240.6	19,200	170
175				14.1	192.5	23,100	30.1	221.8	20,700	40.1	234.9	18,300	175
178				6.0	174.5	22,400	27.2	215.9	20,100	37.9	231.0	17,800	178
180							25.2	212.0	19,800	36.5	228.4	17,500	180
185							19.2	199.4	18,900	32.5	221.0	16,700	185
190							10.2	179.6	18,000	28.1	212.2	15,900	190
191							7.1	172.6	17,800	27.0	210.1	15,800	191
195										22.8	201.4	15,200	195
200										16.0	186.8	14,500	200
204										6.4	165.4	13,900	204

# MLC250 S-3

ASME B30.5



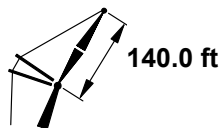
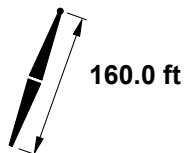
	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
48	76.0	303.5	62,300 b							48
50	75.1	303.0	61,000 b							50
55	73.0	301.5	60,600							55
59	71.3	300.2	59,500	73.7	301.6	71,600				59
60	70.8	299.8	59,200	73.3	301.3	71,500				60
65	68.7	297.9	57,800	71.1	299.7	70,700				65
70	66.4	295.8	56,500	68.9	297.8	69,200				70
74	64.6	293.9	55,500	67.1	296.1	66,500	70.8	298.5	70,100	74
75	64.2	293.5	55,200	66.7	295.7	65,900	70.4	298.1	70,100	75
80	61.9	290.9	52,300	64.4	293.4	62,400	68.2	296.2	70,100	80
85	59.5	288.0	49,000	62.1	290.8	58,800	65.9	294.0	68,700	85
89	57.6	285.5	46,500	60.2	288.5	56,100	64.1	292.1	66,400	89
90	57.1	284.8	45,900	59.8	288.0	55,400	63.7	291.6	65,800	90
95	54.6	281.4	43,100	57.4	284.8	52,000	61.4	289.0	61,400	95
100	52.0	277.6	40,400	54.9	281.4	48,800	59.0	286.0	57,500	100
105	49.4	273.4	37,800	52.3	277.7	45,800	56.5	282.8	53,900	105
110	46.6	268.8	35,400	49.7	273.5	42,900	54.0	279.3	50,800	110
114	44.2	264.7	33,700	47.5	269.9	40,900	52.0	276.2	48,500	114
115	43.7	263.7	33,300	46.9	269.0	40,400	51.4	275.4	47,900	115
120	40.6	258.1	31,400	44.0	264.0	38,000	48.8	271.1	45,300	120
125	37.3	251.8	29,600	40.9	258.4	35,600	46.0	266.4	42,900	125
130	33.7	244.6	28,200	37.7	252.2	33,500	43.0	261.3	40,700	130
135	29.8	236.4	26,900	34.1	245.1	31,700	39.9	255.5	38,600	135
138	27.1	230.5	26,200	31.8	240.3	30,700	37.9	251.6	37,500	138
140	25.3	226.6	25,800	30.2	237.0	30,100	36.5	249.0	36,800	140
145	19.8	214.2	25,000	25.8	227.4	28,800	32.9	241.6	35,000	145
150	12.1	196.1	24,800	20.5	215.4	27,700	28.8	233.1	33,400	150
152	6.8	183.3	24,800	17.6	208.6	27,400	27.0	229.0	32,800	152
155				13.2	198.4	27,100	24.2	222.8	31,900	155
158				4.9	178.4	25,800	20.7	214.9	31,000	158
160							18.4	209.6	30,400	160
165							9.6	188.7	28,800	165
166							6.4	181.1	27,400	166
170										170
175										175
180										180
185										185
188										188
190										190
195										195
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201										201
205										205
210										210
214										214

# MLC250 S-3

ASME B30.5



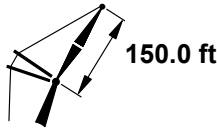
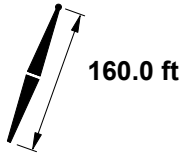
219,600 lb  
+  
80,000 lb



	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
48													48
50													50
55													55
59													59
60													60
65													65
70													70
74													74
75													75
80													80
85													85
89	67.8	294.5	63,500										89
90	67.4	294.1	62,600										90
95	65.2	291.9	58,300										95
100	62.9	289.4	54,600										100
105	60.5	286.6	51,200										105
110	58.1	283.6	48,200										110
114	56.2	280.9	46,000	62.7	285.9	41,800							114
115	55.7	280.3	45,400	62.2	285.4	41,300							115
120	53.2	276.6	42,900	59.9	282.6	39,000							120
125	50.5	272.6	40,600	57.5	279.5	36,900							125
130	47.8	268.2	38,500	55.0	276.1	34,900							130
135	45.0	263.4	36,600	52.4	272.3	33,200							135
138	43.1	260.1	35,500	50.8	269.8	32,200	57.6	275.2	28,900				138
140	41.9	258.0	34,800	49.8	268.2	31,500	56.6	273.9	28,300				140
145	38.7	252.0	33,100	47.0	263.7	30,000	54.1	270.4	26,900				145
150	35.3	245.2	31,600	44.1	258.7	28,500	51.5	266.5	25,600				150
152	33.8	242.1	31,000	42.9	256.5	28,000	50.4	264.8	25,100				152
155	31.5	237.5	30,100	41.1	253.1	27,200	48.8	262.3	24,300				155
158	29.0	232.0	29,300	39.1	249.4	26,500	47.1	259.5	23,600				158
160	27.3	228.4	28,800	37.8	246.9	26,000	46.0	257.6	23,200	53.0	263.2	20,500	160
165	22.3	217.3	27,500	34.3	239.9	24,800	43.1	252.4	22,100	50.3	259.2	19,500	165
166	21.0	214.4	27,200	33.5	238.3	24,600	42.4	251.3	21,900	49.8	258.3	19,300	166
170	15.9	202.5	26,300	30.4	231.9	23,700	39.9	246.7	21,100	47.6	254.8	18,600	170
175	1.0	166.6	25,000	26.0	222.3	22,600	36.6	240.2	20,200	44.8	249.9	17,700	175
180				20.7	210.4	21,600	33.0	232.9	19,300	41.7	244.5	16,900	180
185				13.5	193.7	20,700	28.9	224.3	18,400	38.5	238.4	16,100	185
188				5.8	175.0	20,100	26.1	218.2	17,900	36.4	234.3	15,700	188
190							24.3	214.1	17,600	35.1	231.6	15,400	190
195							18.5	201.0	16,800	31.3	223.8	14,700	195
200							9.8	180.4	16,000	27.0	214.6	14,000	200
201							6.8	173.1	15,800	26.0	212.4	13,900	201
205										21.9	203.4	13,400	205
210										15.4	188.1	12,700	210
214										6.1	165.9	12,200	214

# MLC250 S-3

ASME B30.5



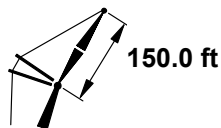
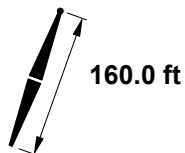
	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
51	75.8	313.1	57,100 b							51
55	74.2	312.0	56,200							55
60	72.2	310.4	55,100							60
61	71.8	310.1	54,800	74.0	311.5	65,700				61
65	70.1	308.7	53,900	72.4	310.2	65,300				65
70	68.1	306.7	52,100	70.4	308.5	64,500				70
75	66.0	304.5	51,600	68.3	306.6	62,600				75
77	65.2	303.6	51,000	67.5	305.7	61,400	70.9	308.1	64,100	77
80	63.9	302.1	49,900	66.3	304.4	59,700	69.7	306.9	64,100	80
85	61.7	299.5	47,500	64.1	302.1	56,600	67.6	304.9	64,100	85
90	59.5	296.6	44,700	62.0	299.5	53,500	65.6	302.7	63,900	90
93	58.2	294.8	43,000	60.7	297.7	51,700	64.3	301.3	62,300	93
95	57.3	293.5	41,900	59.8	296.6	50,600	63.4	300.3	61,200	95
100	55.0	290.1	39,400	57.5	293.5	47,600	61.3	297.6	57,300	100
105	52.6	286.4	37,100	55.2	290.1	44,900	59.0	294.7	53,800	105
110	50.1	282.3	34,900	52.9	286.4	42,100	56.8	291.5	50,600	110
115	47.6	277.8	32,700	50.4	282.4	39,600	54.5	288.0	47,700	115
118	46.0	274.9	31,600	48.9	279.8	38,300	53.0	285.7	46,200	118
120	44.9	273.0	30,800	47.9	278.0	37,400	52.1	284.2	45,100	120
125	42.1	267.6	29,100	45.2	273.2	35,200	49.6	280.1	42,700	125
130	39.1	261.7	27,500	42.4	267.9	33,100	47.0	275.5	40,500	130
135	36.0	255.1	26,100	39.5	262.0	31,300	44.3	270.5	38,500	135
140	32.5	247.6	24,900	36.3	255.5	29,600	41.5	265.1	36,600	140
143	30.2	242.4	24,300	34.3	251.1	28,700	39.7	261.4	35,600	143
145	28.7	239.0	23,800	32.9	248.1	28,100	38.5	259.0	34,900	145
150	24.4	228.7	23,000	29.2	239.6	26,700	35.2	252.2	33,300	150
155	19.1	215.9	22,400	24.9	229.6	25,600	31.7	244.5	31,800	155
160	11.7	197.1	22,200	19.8	217.2	24,800	27.8	235.6	30,400	160
162	6.6	183.8	22,200	17.0	210.1	24,600	26.0	231.3	29,800	162
165				12.7	199.4	24,300	23.3	224.9	29,000	165
166				10.1	192.5	23,900	22.2	222.1	28,800	166
168				4.7	178.7	23,000	20.0	216.7	28,300	168
170							17.7	211.2	27,800	170
175							9.2	189.5	25,700	175
176							6.2	181.6	24,500	176
180										180
185										185
190										190
195										195
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211										211
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224										224

# MLC250 S-3

ASME B30.5



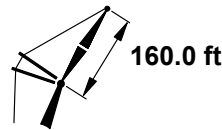
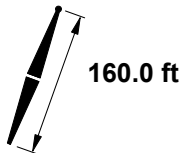
219,600 lb  
+  
80,000 lb



	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
51													51
55													55
60													60
61													61
65													65
70													70
75													75
77													77
80													80
85													85
90													90
93	67.8	303.7	59,800										93
95	66.9	302.8	58,100										95
100	64.8	300.6	54,400										100
105	62.7	298.0	51,000										105
110	60.5	295.3	48,000										110
115	58.3	292.3	45,200										115
118	56.9	290.3	43,700	62.9	295.1	39,700							118
120	56.0	289.0	42,700	62.1	294.1	38,800							120
125	53.6	285.4	40,400	59.9	291.2	36,700							125
130	51.2	281.5	38,300	57.6	288.1	34,800							130
135	48.7	277.2	36,400	55.3	284.8	33,000							135
140	46.1	272.5	34,600	53.0	281.1	31,300							140
143	44.4	269.4	33,600	51.5	278.7	30,400	57.7	283.9	27,200				143
145	43.3	267.4	33,000	50.5	277.1	29,800	56.8	282.6	26,700				145
150	40.4	261.7	31,400	48.0	272.7	28,400	54.5	279.1	25,400				150
155	37.4	255.4	30,000	45.3	267.9	27,000	52.1	275.3	24,200				155
160	34.1	248.3	28,600	42.5	262.6	25,800	49.6	271.2	23,000				160
162	32.6	245.1	28,100	41.4	260.3	25,300	48.6	269.4	22,600				162
165	30.4	240.2	27,400	39.6	256.8	24,600	47.0	266.7	21,900				165
166	29.6	238.3	27,100	39.0	255.4	24,400	46.5	265.7	21,700	53.0	271.2	19,100	166
168	28.0	234.5	26,700	37.7	252.8	24,000	45.4	263.7	21,300	52.0	269.6	18,800	168
170	26.3	230.8	26,200	36.5	250.2	23,500	44.4	261.7	20,900	51.0	268.1	18,400	170
175	21.5	219.2	25,000	33.1	242.9	22,500	41.5	256.2	20,000	48.5	263.7	17,500	175
176	20.3	216.1	24,800	32.3	241.2	22,300	40.9	255.0	19,800	48.0	262.8	17,400	176
180	15.3	203.8	24,000	29.3	234.5	21,500	38.5	250.2	19,100	45.9	259.0	16,700	180
185	1.0	166.6	22,800	25.1	224.5	20,600	35.3	243.4	18,300	43.1	253.9	16,000	185
190				20.0	212.2	19,700	31.8	235.7	17,500	40.2	248.2	15,200	190
195				13.1	194.8	18,800	27.9	226.8	16,700	37.2	241.8	14,500	195
198				5.6	175.4	18,300	25.2	220.4	16,200	35.2	237.5	14,100	198
200							23.4	216.2	16,000	33.8	234.7	13,900	200
210							9.5	181.2	14,500	26.0	216.9	12,600	210
211							6.6	173.7	14,400	24.9	214.2	12,500	211
220										14.8	189.4	11,500	220
224										5.9	166.3	11,000	224

# MLC250 S-3

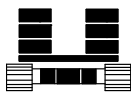
ASME B30.5



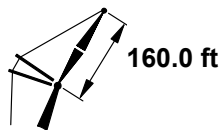
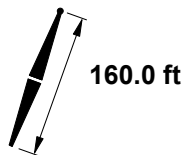
	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
53	75.9	322.9	52,200 b							53
55	75.2	322.4	51,900							55
60	73.3	320.9	51,000							60
64	71.8	319.6	50,200	73.9	321.0	59,000				64
65	71.4	319.3	50,000	73.5	320.7	59,000				65
70	69.5	317.5	49,000	71.7	319.1	59,000				70
75	67.6	315.4	47,400	69.8	317.3	58,700				75
80	65.6	313.2	47,100	67.8	315.3	56,900	71.0	317.6	58,300	80
85	63.7	310.8	46,000	65.9	313.1	54,400	69.1	315.7	58,300	85
90	61.6	308.2	43,500	63.9	310.7	51,800	67.2	313.7	58,300	90
95	59.6	305.3	41,100	61.9	308.1	49,200	65.2	311.4	58,200	95
97	58.7	304.1	40,100	61.0	307.0	48,100	64.4	310.4	57,700	97
100	57.5	302.2	38,600	59.8	305.3	46,500	63.2	309.0	56,800	100
105	55.3	298.8	36,400	57.7	302.2	44,100	61.2	306.3	53,300	105
110	53.1	295.1	34,300	55.5	298.8	41,600	59.1	303.4	50,100	110
115	50.8	291.2	32,400	53.3	295.2	39,300	57.0	300.2	47,200	115
120	48.4	286.8	30,600	51.1	291.3	37,000	54.8	296.7	44,600	120
123	46.9	284.0	29,500	49.6	288.7	35,700	53.5	294.5	43,200	123
125	46.0	282.1	28,800	48.7	287.0	34,900	52.6	293.0	42,300	125
130	43.4	277.0	27,300	46.2	282.3	33,100	50.3	288.9	40,100	130
135	40.7	271.3	25,800	43.7	277.2	31,300	47.9	284.5	38,000	135
140	37.8	265.1	24,500	41.0	271.6	29,500	45.4	279.7	36,200	140
145	34.8	258.2	23,400	38.2	265.5	27,900	42.8	274.5	34,500	145
148	32.8	253.5	22,800	36.3	261.4	27,100	41.2	271.0	33,500	148
150	31.5	250.4	22,300	35.1	258.7	26,500	40.1	268.7	32,800	150
155	27.8	241.4	21,400	31.9	251.0	25,200	37.2	262.4	31,300	155
160	23.6	230.8	20,800	28.2	242.2	24,100	34.1	255.3	29,900	160
165	18.5	217.5	20,300	24.1	231.8	23,200	30.7	247.2	28,600	165
170	11.3	198.0	20,100	19.1	218.8	22,500	26.9	238.0	27,400	170
172	6.3	184.4	20,100	16.4	211.5	22,300	25.2	233.5	26,900	172
175				12.3	200.5	22,100	22.6	226.9	26,200	175
178				4.6	179.1	20,400	19.3	218.3	25,500	178
180							17.2	212.7	25,100	180
185							8.9	190.2	22,900	185
186							6.0	182.1	21,800	186
190										190
195										195
200										200
205										205
208										208
210										210
220										220
221										221
230										230
234										234

# MLC250 S-3

ASME B30.5



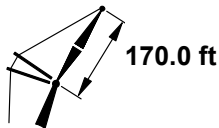
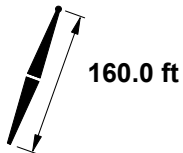
219,600 lb  
+  
80,000 lb



	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
53													53
55													55
60													60
64													64
65													65
70													70
75													75
80													80
85													85
90													90
95													95
97	67.7	312.9	56,000										97
100	66.5	311.6	53,800										100
105	64.5	309.2	50,500										105
110	62.5	306.7	47,400										110
115	60.5	303.9	44,700										115
120	58.4	300.9	42,200										120
123	57.1	299.0	40,800	62.8	303.8	36,900							123
125	56.2	297.7	39,900	61.9	302.7	36,100							125
130	54.0	294.1	37,800	59.9	299.9	34,200							130
135	51.8	290.3	35,900	57.8	296.8	32,400							135
140	49.5	286.1	34,100	55.6	293.5	30,800							140
145	47.0	281.6	32,500	53.4	289.8	29,200							145
148	45.5	278.6	31,600	52.0	287.5	28,400	57.9	292.6	25,300				148
150	44.5	276.6	31,000	51.1	285.9	27,800	57.0	291.3	24,800				150
155	41.9	271.2	29,500	48.8	281.6	26,500	54.9	287.9	23,600				155
160	39.1	265.2	28,200	46.3	277.0	25,300	52.6	284.1	22,400				160
165	36.1	258.6	26,900	43.8	271.9	24,100	50.3	280.1	21,400				165
170	32.9	251.3	25,700	41.1	266.4	23,000	47.9	275.7	20,400				170
172	31.5	247.9	25,300	40.0	263.9	22,600	46.9	273.8	20,000	53.0	279.2	17,400	172
175	29.4	242.8	24,600	38.3	260.2	22,000	45.5	270.9	19,400	51.6	276.9	16,900	175
178	27.1	236.9	24,000	36.5	256.2	21,400	43.9	267.7	18,900	50.2	274.4	16,400	178
180	25.5	233.0	23,600	35.3	253.4	21,000	42.9	265.7	18,500	49.3	272.7	16,100	180
185	20.8	221.1	22,600	32.0	245.8	20,100	40.1	259.9	17,700	46.9	268.1	15,400	185
186	19.6	217.9	22,400	31.2	244.0	20,000	39.6	258.6	17,600	46.4	267.1	15,200	186
190	14.8	205.1	21,600	28.4	237.0	19,300	37.2	253.6	16,900	44.3	263.1	14,600	190
195	0.9	166.6	20,600	24.3	226.7	18,400	34.1	246.5	16,200	41.7	257.7	13,900	195
200				19.3	213.9	17,600	30.8	238.5	15,400	38.9	251.7	13,300	200
205				12.6	195.9	16,900	27.0	229.2	14,800	35.9	245.0	12,700	205
208				5.4	175.9	16,400	24.4	222.6	14,400	34.0	240.6	12,300	208
210							22.7	218.2	14,100	32.7	237.6	12,100	210
220							9.2	182.0	12,800	25.2	219.2	11,000	220
221							6.4	174.2	12,700	24.1	216.3	10,800	221
230										14.3	190.6	9,800	230
234										5.7	166.8	9,400	234

# MLC250 S-3

ASME B30.5



	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
56	75.7	332.4	47,900							56
60	74.3	331.3	47,300							60
65	72.6	329.8	46,500							65
67	71.9	329.1	46,200	73.8	330.6	54,900				67
70	70.8	328.1	45,700	72.8	329.6	54,700				70
75	69.0	326.2	44,800	71.0	327.9	54,400				75
80	67.2	324.2	44,000	69.2	326.1	53,800				80
84	65.7	322.4	42,900	67.7	324.5	52,200	70.8	326.8	53,400	84
85	65.3	321.9	42,700	67.4	324.1	51,800	70.4	326.4	53,400	85
90	63.4	319.5	41,900	65.5	321.8	49,600	68.6	324.5	53,400	90
95	61.5	316.8	39,700	63.7	319.4	47,300	66.8	322.4	53,300	95
100	59.6	314.0	37,600	61.8	316.8	45,000	64.9	320.1	53,200	100
105	57.6	310.9	35,600	59.8	313.9	42,800	63.0	317.6	52,900	105
110	55.6	307.5	33,600	57.8	310.9	40,500	61.1	314.9	49,700	110
115	53.5	303.9	31,700	55.8	307.5	38,400	59.2	312.0	46,900	115
120	51.4	300.0	30,100	53.7	303.9	36,400	57.2	308.9	44,300	120
125	49.2	295.8	28,400	51.6	300.1	34,300	55.1	305.4	41,900	125
127	48.2	293.9	27,800	50.7	298.4	33,600	54.3	304.0	41,000	127
130	46.9	291.2	26,900	49.4	295.9	32,500	53.0	301.8	39,700	130
135	44.5	286.2	25,400	47.1	291.4	30,700	50.9	297.8	37,700	135
140	42.0	280.8	24,100	44.8	286.5	29,200	48.7	293.5	35,800	140
145	39.4	274.9	22,900	42.3	281.1	27,600	46.4	288.8	34,100	145
150	36.7	268.4	21,800	39.7	275.3	26,200	44.0	283.8	32,500	150
153	34.9	264.1	21,200	38.1	271.4	25,400	42.5	280.5	31,600	153
155	33.7	261.2	20,900	37.0	268.9	24,800	41.5	278.3	31,000	155
160	30.5	253.1	20,000	34.0	261.7	23,700	38.8	272.3	29,600	160
165	26.9	243.8	19,300	30.9	253.7	22,600	36.0	265.6	28,300	165
170	22.8	232.8	18,700	27.4	244.6	21,700	33.0	258.2	27,100	170
175	17.9	219.0	18,300	23.4	233.8	20,900	29.7	249.9	25,900	175
178	13.7	207.0	18,300	20.5	225.8	20,600	27.5	244.1	25,200	178
180	10.9	198.9	18,300	18.5	220.5	20,300	26.1	240.3	24,800	180
182	6.1	184.9	18,000	15.9	212.9	20,200	24.4	235.7	24,400	182
185				11.9	201.5	20,100	21.9	228.8	23,800	185
188				4.4	179.4	17,900	18.7	220.0	23,200	188
190							16.6	214.1	22,800	190
196							5.8	182.5	19,200	196
200										200
205										205
210										210
218										218
220										220
230										230
231										231
240										240
244										244

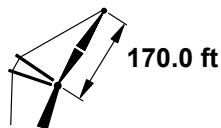
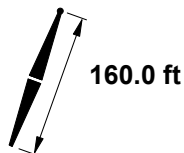


# MLC250 S-3

ASME B30.5



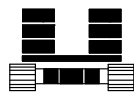
219,600 lb  
+  
80,000 lb



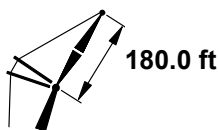
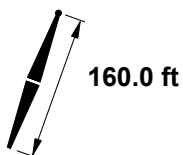
	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
56													56
60													60
65													65
67													67
70													70
75													75
80													80
84													84
85													85
90													90
95													95
100	68.0	322.5	53,400										100
105	66.1	320.3	50,100										105
110	64.3	317.9	47,000										110
115	62.4	315.4	44,300										115
120	60.4	312.6	41,800										120
125	58.5	309.6	39,500										125
127	57.7	308.3	38,700	63.0	313.0	34,900							127
130	56.5	306.3	37,500	61.8	311.4	33,800							130
135	54.4	302.8	35,500	59.9	308.6	32,000							135
140	52.3	299.1	33,800	57.9	305.5	30,300							140
145	50.1	295.0	32,100	55.9	302.2	28,800							145
150	47.9	290.6	30,600	53.8	298.6	27,400							150
153	46.5	287.7	29,700	52.5	296.3	26,600	58.0	301.3	23,600				153
155	45.5	285.8	29,200	51.7	294.7	26,100	57.2	300.0	23,100				155
160	43.1	280.6	27,800	49.5	290.6	24,900	55.2	296.6	22,000				160
165	40.6	274.9	26,600	47.2	286.0	23,700	53.1	292.9	20,900				165
170	37.9	268.7	25,400	44.9	281.1	22,600	50.9	288.9	19,900				170
175	35.0	261.8	24,300	42.4	275.8	21,600	48.7	284.6	19,000				175
178	33.1	257.2	23,700	40.8	272.3	21,100	47.3	281.8	18,500	53.0	287.2	16,000	178
180	31.9	254.1	23,300	39.8	270.0	20,700	46.4	280.0	18,100	52.2	285.7	15,700	180
182	30.5	250.6	22,900	38.7	267.4	20,300	45.4	278.0	17,800	51.3	284.0	15,400	182
185	28.5	245.4	22,300	37.1	263.6	19,800	44.0	275.0	17,300	50.0	281.6	14,900	185
188	26.2	239.3	21,700	35.3	259.3	19,200	42.5	271.7	16,800	48.6	278.9	14,500	188
190	24.7	235.2	21,300	34.2	256.5	18,900	41.5	269.5	16,500	47.7	277.1	14,200	190
196	18.5	217.9	20,300	30.1	246.3	17,900	38.3	261.9	15,600	44.8	271.1	13,400	196
200	14.4	206.3	19,500	27.5	239.5	17,300	36.1	256.8	15,100	42.9	267.1	12,900	200
205	0.9	166.6	18,500	23.5	228.8	16,600	33.1	249.5	14,400	40.4	261.4	12,300	205
210				18.7	215.5	15,800	29.8	241.1	13,700	37.7	255.1	11,700	210
218				5.2	176.3	14,700	23.5	224.3	12,800	32.9	243.4	10,700	218
220							22.0	220.1	12,500	31.7	240.4	10,500	220
230							8.9	182.7	11,400	24.4	221.3	9,300	230
231							6.1	174.7	11,200	23.4	218.4	9,200	231
240										13.9	191.8	8,300	240
244										5.5	167.2	7,800	244

# MLC250 S-3

ASME B30.5



219,600 lb  
+  
80,000 lb



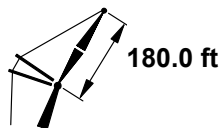
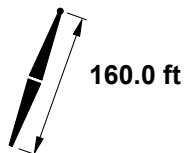
	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
58	75.9	342.3	44,000							58
60	75.2	341.7	43,800							60
65	73.6	340.3	43,100							65
70	71.9	338.7	42,400	73.8	340.1	50,200				70
75	70.2	336.9	41,700	72.1	338.5	49,900				75
80	68.5	335.0	41,000	70.4	336.8	49,600				80
85	66.8	332.9	40,200	68.7	334.9	49,100				85
87	66.1	332.0	40,000	68.0	334.0	48,300	70.9	336.3	48,600	87
90	65.0	330.6	39,600	67.0	332.8	47,200	69.8	335.2	48,600	90
95	63.3	328.2	38,300	65.2	330.5	45,300	68.1	333.3	48,600	95
100	61.5	325.5	36,400	63.5	328.1	43,200	66.4	331.1	48,500	100
104	60.0	323.2	34,800	62.0	326.0	41,700	65.0	329.3	48,500	104
105	59.6	322.6	34,400	61.7	325.4	41,300	64.6	328.8	48,400	105
110	57.7	319.5	32,600	59.8	322.6	39,300	62.9	326.3	48,300	110
115	55.8	316.2	30,900	58.0	319.5	37,400	61.1	323.6	46,400	115
120	53.9	312.6	29,300	56.1	316.2	35,400	59.2	320.7	43,800	120
125	51.9	308.8	27,700	54.1	312.7	33,600	57.3	317.5	41,400	125
130	49.8	304.7	26,400	52.1	308.9	31,900	55.4	314.2	39,200	130
132	48.9	302.9	25,800	51.3	307.2	31,200	54.6	312.7	38,400	132
135	47.7	300.2	25,000	50.0	304.8	30,200	53.4	310.5	37,200	135
140	45.5	295.4	23,600	47.9	300.4	28,600	51.4	306.6	35,400	140
145	43.2	290.2	22,500	45.7	295.6	27,200	49.3	302.4	33,600	145
150	40.8	284.6	21,400	43.4	290.5	25,900	47.2	297.9	32,100	150
155	38.2	278.4	20,400	41.1	284.9	24,600	45.0	293.0	30,600	155
159	36.1	273.0	19,700	39.0	280.0	23,600	43.1	288.8	29,400	159
160	35.6	271.7	19,500	38.5	278.8	23,300	42.7	287.7	29,200	160
165	32.7	264.2	18,700	35.9	272.1	22,300	40.2	282.0	27,900	165
170	29.6	255.8	18,000	33.0	264.7	21,300	37.7	275.7	26,600	170
175	26.1	246.1	17,400	30.0	256.4	20,400	35.0	268.8	25,500	175
180	22.2	234.8	16,900	26.6	246.9	19,600	32.0	261.1	24,400	180
184	17.5	220.8	16,700	23.1	237.0	19,200	29.3	253.7	23,600	184
190	10.6	199.8	16,600	18.0	222.0	18,500	25.3	242.5	22,400	190
192	5.9	185.4	15,600	14.6	211.5	17,800	23.5	237.1	22,000	192
198				4.3	179.8	15,600	18.0	220.9	20,900	198
200							16.1	215.5	20,500	200
206							5.6	183.0	16,800	206
210										210
215										215
220										220
228										228
230										230
240										240
241										241
250										250
254										254

# MLC250 S-3

ASME B30.5



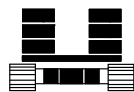
219,600 lb  
+  
80,000 lb



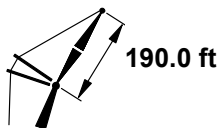
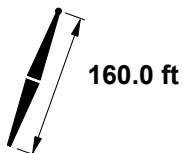
	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
58													58
60													60
65													65
70													70
75													75
80													80
85													85
87													87
90													90
95													95
100													100
104	67.9	331.6	50,200										104
105	67.5	331.2	49,500										105
110	65.8	329.0	46,500										110
115	64.0	326.6	43,800										115
120	62.2	324.0	41,300										120
125	60.4	321.3	39,000										125
130	58.6	318.3	36,900										130
132	57.8	317.0	36,200	62.8	321.7	32,400							132
135	56.7	315.0	35,000	61.7	320.1	31,400							135
140	54.7	311.6	33,300	59.9	317.2	29,800							140
145	52.7	307.8	31,600	58.0	314.2	28,300							145
150	50.7	303.8	30,100	56.1	310.9	26,900							150
155	48.6	299.5	28,700	54.2	307.3	25,600							155
159	46.9	295.8	27,600	52.6	304.3	24,600	57.7	309.3	21,600				159
160	46.4	294.9	27,300	52.2	303.5	24,300	57.4	308.7	21,400				160
165	44.2	289.9	26,100	50.1	299.4	23,200	55.4	305.3	20,300				165
170	41.8	284.4	24,900	48.0	295.0	22,100	53.5	301.7	19,400				170
175	39.4	278.5	23,800	45.8	290.3	21,100	51.5	297.8	18,400				175
180	36.8	272.0	22,800	43.5	285.2	20,200	49.4	293.6	17,600				180
184	34.4	266.0	22,000	41.6	280.5	19,500	47.6	289.8	16,900	53.0	295.2	14,500	184
190	31.0	256.9	20,900	38.6	273.5	18,400	45.0	284.2	16,000	50.6	290.4	13,500	190
192	29.6	253.0	20,500	37.5	270.7	18,100	44.1	282.0	15,700	49.7	288.6	13,300	192
198	25.4	241.2	19,500	34.2	262.3	17,100	41.2	275.3	14,800	47.1	283.2	12,400	198
200	24.0	237.3	19,200	33.2	259.5	16,800	40.3	273.1	14,500	46.3	281.4	12,100	200
206	18.0	219.4	18,200	29.3	248.9	16,000	37.1	265.3	13,700	43.5	275.1	11,300	206
210	14.0	207.5	17,600	26.7	241.8	15,400	35.0	260.0	13,200	41.7	270.9	10,800	210
215	0.8	166.6	16,100	22.8	230.8	14,700	32.1	252.3	12,600	39.2	265.0	10,200	215
220				18.2	217.1	14,100	28.9	243.7	12,000	36.6	258.4	9,700	220
228				5.1	176.7	13,000	22.8	226.3	11,100	31.9	246.2	8,800	228
230							21.3	222.0	10,900	30.8	243.2	8,600	230
240							8.6	183.5	9,900	23.7	223.4	7,500	240
241							6.0	175.2	9,700	22.7	220.4	7,500	241
250										13.5	193.0	6,600	250
254										5.3	167.7	6,200	254

# MLC250 S-3

ASME B30.5



219,600 lb  
+  
80,000 lb



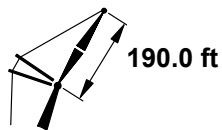
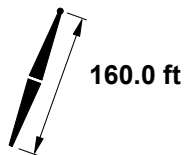
ft	88°			86°			83°			ft
	ft	lb	ft	ft	lb	ft	ft	lb		
60	76.0	352.1	40,400							60
65	74.5	350.7	40,000							65
70	72.9	349.2	39,400							70
72	72.2	348.5	39,100	74.0	349.9	46,100				72
75	71.3	347.6	38,800	73.1	349.0	45,900				75
80	69.7	345.7	38,100	71.5	347.4	45,700				80
85	68.1	343.8	37,500	69.9	345.6	45,300				85
90	66.4	341.6	36,900	68.3	343.6	44,800	70.9	345.9	44,400	90
95	64.8	339.3	36,300	66.6	341.5	43,100	69.3	344.0	44,400	95
100	63.1	336.8	35,100	65.0	339.2	41,400	67.7	342.0	44,300	100
105	61.4	334.2	33,300	63.3	336.8	39,700	66.1	339.9	44,200	105
108	60.3	332.4	32,400	62.3	335.2	38,600	65.1	338.4	44,200	108
110	59.6	331.3	31,700	61.6	334.1	38,000	64.4	337.5	44,100	110
115	57.9	328.2	30,100	59.8	331.3	36,200	62.7	335.0	44,000	115
120	56.1	324.9	28,600	58.1	328.2	34,500	61.0	332.3	43,600	120
125	54.2	321.4	27,100	56.3	324.9	32,800	59.3	329.3	41,200	125
130	52.3	317.6	25,800	54.4	321.4	31,200	57.5	326.2	39,000	130
135	50.4	313.5	24,500	52.5	317.7	29,700	55.7	322.9	37,000	135
136	50.0	312.7	24,300	52.2	316.9	29,400	55.3	322.1	36,600	136
140	48.4	309.2	23,300	50.6	313.6	28,200	53.8	319.3	35,200	140
145	46.3	304.5	22,200	48.6	309.3	26,800	51.9	315.4	33,400	145
150	44.2	299.5	21,000	46.6	304.7	25,500	49.9	311.3	31,800	150
155	42.0	294.1	20,000	44.4	299.7	24,300	47.9	306.9	30,400	155
160	39.6	288.2	19,100	42.2	294.3	23,100	45.9	302.2	29,000	160
164	37.7	283.1	18,400	40.4	289.7	22,200	44.1	298.1	27,900	164
165	37.2	281.8	18,200	39.9	288.5	22,000	43.7	297.0	27,700	165
170	34.6	274.8	17,500	37.5	282.2	20,900	41.5	291.5	26,400	170
175	31.8	267.0	16,800	34.9	275.3	20,000	39.1	285.5	25,300	175
180	28.8	258.3	16,200	32.1	267.6	19,200	36.6	279.0	24,200	180
185	25.4	248.4	15,800	29.1	259.0	18,400	34.0	271.9	23,200	185
190	21.6	236.7	15,400	25.8	249.2	17,800	31.2	263.9	22,200	190
195	16.9	222.0	15,100	22.0	237.8	17,200	28.1	255.0	21,300	195
200	10.3	200.7	15,100	17.5	223.5	16,800	24.6	244.7	20,400	200
202	5.8	185.8	13,700	14.2	212.7	16,100	22.8	239.1	20,000	202
208				4.2	180.1	13,700	17.5	222.4	18,800	208
210							15.7	216.9	18,400	210
216							5.4	183.4	14,900	216
220										220
225										225
230										230
238										238
240										240
250										250
251										251
260										260

# MLC250 S-3

ASME B30.5



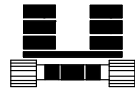
219,600 lb  
+  
80,000 lb



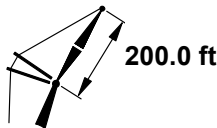
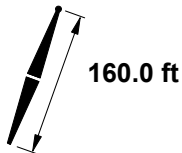
	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
60													60
65													65
70													70
72													72
75													75
80													80
85													85
90													90
95													95
100													100
105													105
108	67.8	340.8	46,800										108
110	67.1	339.9	46,300										110
115	65.5	337.7	43,500										115
120	63.8	335.3	41,100										120
125	62.1	332.7	38,800										125
130	60.4	329.9	36,700										130
135	58.6	326.9	34,800										135
136	58.3	326.3	34,400	63.0	330.9	30,800							136
140	56.8	323.7	33,000	61.6	328.7	29,500							140
145	55.0	320.3	31,400	59.9	325.9	28,000							145
150	53.1	316.6	29,900	58.1	322.8	26,600							150
155	51.2	312.7	28,500	56.3	319.6	25,300							155
160	49.3	308.5	27,100	54.5	316.1	24,100							160
164	47.6	304.8	26,100	53.0	313.1	23,200	57.9	318.0	20,300				164
165	47.2	303.9	25,900	52.6	312.3	23,000	57.5	317.3	20,100				165
170	45.1	299.1	24,700	50.7	308.3	21,900	55.7	314.0	19,100				170
175	42.9	293.8	23,600	48.7	304.0	20,900	53.8	310.4	18,200				175
180	40.7	288.2	22,600	46.6	299.4	19,900	51.9	306.6	17,300				180
185	38.3	282.0	21,600	44.5	294.4	19,000	50.0	302.4	16,500				185
190	35.7	275.3	20,700	42.3	289.1	18,200	48.0	298.0	15,700	53.0	303.2	13,200	190
195	33.0	267.8	19,800	40.0	283.2	17,400	45.9	293.3	15,000	51.1	299.3	12,500	195
200	30.1	259.6	19,000	37.6	276.9	16,600	43.7	288.2	14,300	49.1	295.0	11,800	200
202	28.8	255.5	18,700	36.5	274.0	16,300	42.8	285.9	14,100	48.3	293.2	11,500	202
208	24.7	243.4	17,700	33.3	265.3	15,500	40.1	279.0	13,300	45.8	287.5	10,700	208
210	23.3	239.4	17,400	32.2	262.4	15,200	39.2	276.7	13,000	45.0	285.6	10,500	210
216	17.5	221.0	16,600	28.5	251.4	14,400	36.1	268.5	12,300	42.3	279.0	9,800	216
220	13.6	208.7	16,000	26.0	244.1	13,900	34.0	263.1	11,800	40.5	274.6	9,300	220
225	0.8	166.6	14,300	22.2	232.7	13,300	31.2	255.1	11,300	38.1	268.4	8,800	225
230				17.7	218.6	12,700	28.1	246.2	10,700	35.6	261.7	8,200	230
238				4.9	177.1	11,700	22.2	228.3	9,900	31.0	249.0	7,500	238
240							20.7	223.8	9,700	29.9	245.9	7,300	240
250							8.4	184.2	8,600	23.1	225.4	6,300	250
251							5.8	175.6	8,500	22.1	222.3	6,200	251
260										13.1	194.1	5,400	260

# MLC250 S-3

ASME B30.5



219,600 lb  
+  
80,000 lb



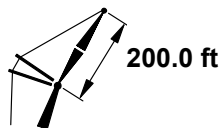
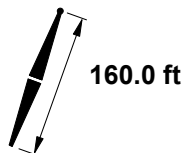
	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
63	75.8	361.6	37,000							63
65	75.3	361.1	36,900							65
70	73.8	359.7	36,500							70
75	72.3	358.1	36,000	73.9	359.5	42,100				75
80	70.8	356.4	35,400	72.4	357.9	41,800				80
85	69.2	354.5	34,900	70.9	356.2	41,500				85
90	67.7	352.5	34,300	69.4	354.4	41,300				90
93	66.7	351.2	34,000	68.5	353.2	41,000	71.0	355.4	40,400	93
95	66.1	350.4	33,800	67.9	352.4	40,900	70.4	354.7	40,400	95
100	64.5	348.0	33,300	66.3	350.2	39,400	68.9	352.8	40,300	100
105	62.9	345.5	32,100	64.7	347.9	37,900	67.3	350.8	40,200	105
110	61.3	342.8	30,600	63.1	345.4	36,400	65.8	348.6	40,100	110
111	61.0	342.2	30,300	62.8	344.9	36,100	65.5	348.1	40,100	111
115	59.7	340.0	29,100	61.5	342.8	34,900	64.2	346.2	40,000	115
120	58.0	336.9	27,700	59.8	339.9	33,400	62.6	343.6	39,900	120
125	56.3	333.6	26,400	58.2	336.9	31,900	60.9	340.9	39,800	125
130	54.5	330.1	25,100	56.5	333.6	30,400	59.3	338.0	38,500	130
135	52.7	326.4	23,900	54.7	330.1	29,000	57.6	334.9	36,500	135
140	50.9	322.4	22,700	52.9	326.4	27,600	55.9	331.6	34,700	140
141	50.5	321.5	22,500	52.6	325.6	27,400	55.5	330.8	34,400	141
145	49.0	318.1	21,700	51.1	322.5	26,300	54.1	328.0	33,000	145
150	47.1	313.6	20,700	49.2	318.3	25,100	52.3	324.2	31,400	150
155	45.1	308.7	19,700	47.3	313.7	23,900	50.5	320.2	29,900	155
160	43.0	303.4	18,800	45.3	308.9	22,700	48.6	315.9	28,500	160
165	40.8	297.8	17,900	43.2	303.7	21,600	46.6	311.2	27,200	165
169	39.0	292.9	17,300	41.5	299.2	20,900	45.0	307.3	26,200	169
170	38.6	291.7	17,100	41.1	298.1	20,700	44.6	306.3	26,000	170
175	36.2	285.1	16,400	38.8	292.1	19,800	42.5	301.0	24,800	175
180	33.7	277.8	15,800	36.5	285.5	18,900	40.4	295.2	23,800	180
190	28.0	260.8	14,700	31.3	270.4	17,400	35.7	282.2	21,800	190
196	23.8	247.4	14,200	27.6	259.0	16,700	32.5	272.9	20,700	196
200	21.0	238.5	13,900	25.2	251.5	16,200	30.3	266.6	20,000	200
210	10.0	201.6	13,100	17.0	225.0	15,400	24.0	246.8	18,300	210
212	5.6	186.3	11,800	13.8	213.9	14,500	22.2	241.1	17,900	212
218				4.0	180.4	11,800	17.0	223.9	16,500	218
220							15.3	218.2	16,100	220
226							5.3	183.9	12,800	226
230										230
235										235
240										240
248										248
250										250
255										255
260										260
261										261

# MLC250 S-3

ASME B30.5



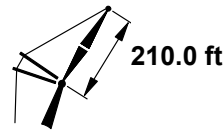
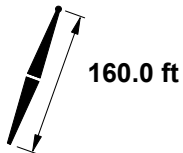
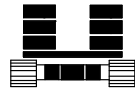
219,600 lb  
+  
80,000 lb



	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
63													63
65													65
70													70
75													75
80													80
85													85
90													90
93													93
95													95
100													100
105													105
110													110
111	68.0	350.4	42,500										111
115	66.8	348.7	42,500										115
120	65.2	346.4	40,500										120
125	63.6	344.0	38,300										125
130	62.0	341.4	36,200										130
135	60.4	338.6	34,300										135
140	58.7	335.6	32,500										140
141	58.4	335.0	32,200	62.9	339.5	28,700							141
145	57.0	332.4	30,900	61.6	337.4	27,500							145
150	55.3	329.0	29,400	59.9	334.5	26,100							150
155	53.5	325.4	28,000	58.2	331.5	24,800							155
160	51.7	321.5	26,600	56.5	328.2	23,600							160
165	49.8	317.4	25,400	54.8	324.8	22,400							165
169	48.3	313.8	24,500	53.3	321.8	21,600	58.0	326.6	18,700				169
170	47.9	312.9	24,200	53.0	321.1	21,400	57.6	326.0	18,500				170
175	45.9	308.2	23,200	51.2	317.1	20,400	55.9	322.7	17,600				175
180	43.9	303.1	22,100	49.3	312.9	19,400	54.2	319.1	16,800				180
190	39.6	291.8	20,200	45.4	303.6	17,700	50.5	311.3	15,200				190
196	36.7	283.7	19,200	42.8	297.1	16,700	48.2	306.0	14,300	53.0	311.2	11,500	196
200	34.8	278.4	18,500	41.2	292.8	16,100	46.7	302.4	13,800	51.6	308.1	10,900	200
210	29.3	262.2	17,000	36.6	280.2	14,700	42.6	292.1	12,500	47.8	299.5	9,700	210
212	28.0	258.0	16,700	35.5	277.2	14,500	41.7	289.7	12,200	47.0	297.5	9,400	212
218	24.0	245.5	15,900	32.4	268.2	13,700	39.0	282.6	11,500	44.6	291.6	8,700	218
220	22.7	241.4	15,600	31.4	265.2	13,400	38.1	280.2	11,200	43.8	289.6	8,500	220
226	17.0	222.4	14,800	27.7	253.9	12,700	35.1	271.7	10,500	41.1	282.8	7,900	226
230	13.2	209.8	14,300	25.3	246.4	12,300	33.2	266.0	10,000	39.4	278.2	7,500	230
235	0.7	166.6	12,300	21.6	234.6	11,700	30.4	257.9	9,500	37.1	271.8	7,000	235
240				17.2	220.1	11,200	27.4	248.7	9,000	34.6	264.8	6,500	240
248				4.8	177.5	10,300	21.6	230.2	8,100	30.2	251.7	5,800	248
250							20.2	225.6	7,900	29.1	248.5	5,600	250
255							15.4	209.6	7,400	26.0	238.7	5,100	255
260							8.2	184.8	6,900				260
261							5.6	176.1	6,800				261

# MLC250 S-3

ASME B30.5



	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
65	76.0	371.4	34,000							65
70	74.6	370.1	33,700							70
75	73.1	368.6	33,400							75
78	72.3	367.6	33,100	73.9	369.0	38,500				78
80	71.7	367.0	32,900	73.3	368.4	38,400				80
85	70.3	365.2	32,400	71.9	366.8	38,200				85
90	68.8	363.3	32,000	70.4	365.1	37,900				90
95	67.3	361.3	31,500	69.0	363.2	37,600				95
97	66.7	360.4	31,300	68.4	362.4	37,500	70.8	364.6	36,800	97
100	65.8	359.1	31,000	67.5	361.1	37,400	69.9	363.5	36,800	100
105	64.3	356.7	30,600	66.0	359.0	36,100	68.5	361.6	36,700	105
110	62.8	354.2	29,600	64.5	356.6	34,800	67.0	359.5	36,600	110
115	61.2	351.5	28,200	63.0	354.1	33,500	65.5	357.3	36,500	115
120	59.7	348.6	27,000	61.4	351.4	32,200	64.0	354.9	36,400	120
125	58.1	345.6	25,700	59.9	348.6	30,800	62.5	352.3	36,200	125
130	56.4	342.3	24,500	58.3	345.5	29,500	60.9	349.6	36,100	130
135	54.8	338.8	23,300	56.6	342.3	28,200	59.3	346.7	35,900	135
140	53.1	335.1	22,200	55.0	338.9	27,000	57.7	343.6	34,300	140
145	51.4	331.2	21,200	53.3	335.2	25,800	56.1	340.3	32,600	145
150	49.6	327.0	20,200	51.6	331.3	24,600	54.4	336.7	31,000	150
155	47.7	322.6	19,400	49.8	327.2	23,500	52.7	333.0	29,500	155
160	45.9	317.8	18,500	48.0	322.7	22,400	51.0	329.0	28,100	160
165	43.9	312.7	17,700	46.1	318.0	21,300	49.2	324.8	26,800	165
170	41.9	307.3	16,800	44.1	313.0	20,400	47.3	320.3	25,600	170
175	39.8	301.4	16,100	42.1	307.6	19,600	45.4	315.4	24,500	175
180	37.6	295.1	15,500	40.0	301.8	18,800	43.5	310.3	23,400	180
185	35.3	288.3	14,900	37.9	295.5	17,900	41.5	304.8	22,400	185
190	32.8	280.8	14,300	35.6	288.7	17,100	39.3	298.8	21,400	190
195	30.2	272.5	13,800	33.1	281.3	16,500	37.1	292.4	20,500	195
200	27.3	263.2	13,400	30.5	273.1	15,800	34.8	285.4	19,600	200
202	26.0	259.0	13,300	29.4	269.5	15,600	33.8	282.3	19,300	202
205	24.1	252.7	13,000	27.7	264.0	15,300	32.3	277.7	18,800	205
210	20.5	240.3	12,800	24.5	253.6	14,800	29.6	269.3	17,900	210
220	9.8	202.4	11,300	16.6	226.5	14,000	23.4	248.9	16,100	220
222	5.5	186.7	10,000	13.4	215.0	13,000	21.7	243.0	15,700	222
228				3.9	180.7	10,000	16.6	225.4	14,400	228
230							14.9	219.5	14,000	230
236							5.2	184.3	11,000	236
240										240
245										245
250										250
258										258
260										260
270										270
271										271

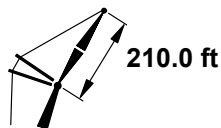
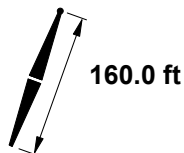


# MLC250 S-3

ASME B30.5



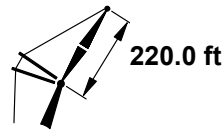
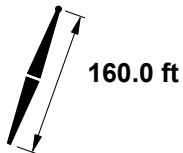
219,600 lb  
+  
80,000 lb



	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
65													65
70													70
75													75
78													78
80													80
85													85
90													90
95													95
97													97
100													100
105													105
110													110
115	68.0	359.5	38,600										115
120	66.5	357.4	38,600										120
125	65.0	355.1	37,900										125
130	63.5	352.7	35,800										130
135	61.9	350.0	33,900										135
140	60.4	347.2	32,100										140
145	58.8	344.3	30,500	63.0	348.7	27,100							145
150	57.2	341.1	29,000	61.5	346.0	25,700							150
155	55.5	337.7	27,600	59.9	343.2	24,400							155
160	53.8	334.1	26,300	58.3	340.2	23,200							160
165	52.1	330.3	25,000	56.7	336.9	22,000							165
170	50.4	326.2	23,900	55.0	333.5	21,000							170
175	48.5	321.9	22,800	53.3	329.8	20,000	57.8	334.7	17,200				175
180	46.7	317.3	21,800	51.6	326.0	19,000	56.1	331.4	16,300				180
185	44.8	312.3	20,800	49.8	321.8	18,100	54.5	327.9	15,500				185
190	42.8	307.1	19,900	48.0	317.4	17,300	52.7	324.1	14,800				190
195	40.7	301.4	19,000	46.2	312.7	16,500	51.0	320.2	14,000				195
200	38.6	295.3	18,200	44.2	307.7	15,700	49.2	315.9	13,300				200
202	37.7	292.6	17,900	43.4	305.5	15,400	48.5	314.1	13,000	53.0	319.2	10,000	202
205	36.3	288.7	17,400	42.2	302.3	15,000	47.4	311.4	12,600	52.0	316.9	9,600	205
210	33.9	281.5	16,600	40.1	296.5	14,300	45.5	306.6	11,900	50.2	312.8	9,000	210
220	28.6	264.7	15,200	35.6	283.5	13,100	41.5	295.9	10,600	46.6	303.8	7,900	220
222	27.3	260.5	15,000	34.6	280.4	12,800	40.6	293.4	10,400	45.8	301.8	7,700	222
228	23.4	247.6	14,200	31.6	271.0	12,100	38.0	286.0	9,700	43.4	295.6	7,100	228
230	22.1	243.3	14,000	30.6	267.9	11,900	37.2	283.6	9,500	42.7	293.6	6,900	230
236	16.6	223.9	13,200	27.0	256.3	11,200	34.3	274.8	8,800	40.1	286.5	6,300	236
240	12.9	210.9	12,800	24.6	248.5	10,800	32.3	268.9	8,400	38.4	281.7	5,900	240
245	0.7	166.6	10,500	21.1	236.5	10,300	29.6	260.5	7,900	36.2	275.1	5,400	245
250				16.8	221.6	9,800	26.7	251.0	7,400				250
258				4.6	177.9	9,000	21.1	232.0	6,600				258
260							19.7	227.3	6,500				260
270							8.0	185.5	5,500				270
271							5.5	176.5	5,400				271

# MLC250 S-3

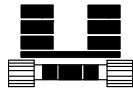
ASME B30.5



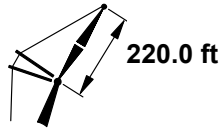
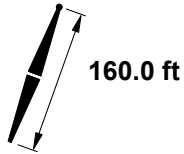
ft	88°			86°			83°			ft
	ft	lb	ft	ft	lb	ft	ft	lb	ft	
68	75.8	381.0	31,100							68
70	75.3	380.5	31,000							70
75	73.9	379.0	30,700							75
80	72.6	377.5	30,500							80
81	72.3	377.2	30,400	73.8	378.6	35,100				81
85	71.2	375.8	30,100	72.7	377.3	34,900				85
90	69.8	374.0	29,600	71.4	375.7	34,700				90
95	68.4	372.1	29,200	70.0	373.9	34,400				95
100	67.0	370.0	28,800	68.6	372.0	34,200	70.9	374.2	33,500	100
105	65.6	367.8	28,400	67.2	369.9	34,000	69.5	372.3	33,400	105
110	64.1	365.4	28,000	65.7	367.7	33,100	68.1	370.4	33,200	110
115	62.7	362.9	27,200	64.3	365.3	32,000	66.7	368.2	33,100	115
119	61.5	360.7	26,200	63.1	363.3	31,100	65.5	366.4	33,000	119
120	61.2	360.1	26,000	62.8	362.8	30,800	65.3	366.0	33,000	120
125	59.7	357.3	24,900	61.4	360.1	29,700	63.8	363.6	32,800	125
130	58.2	354.2	23,800	59.9	357.2	28,500	62.3	361.0	32,700	130
135	56.6	351.0	22,700	58.3	354.2	27,300	60.9	358.2	32,600	135
140	55.0	347.5	21,700	56.8	351.0	26,200	59.4	355.3	32,400	140
145	53.4	343.9	20,700	55.2	347.6	25,100	57.8	352.2	32,000	145
150	51.8	340.0	19,800	53.6	343.9	24,000	56.3	348.9	30,600	150
155	50.1	335.9	18,800	52.0	340.1	22,900	54.7	345.5	29,100	155
160	48.4	331.5	18,000	50.3	336.0	21,900	53.1	341.8	27,700	160
165	46.6	326.9	17,300	48.6	331.7	21,000	51.4	337.8	26,400	165
170	44.7	322.0	16,500	46.8	327.1	20,100	49.7	333.7	25,200	170
175	42.9	316.7	15,800	45.0	322.2	19,200	48.0	329.3	24,000	175
180	40.9	311.0	15,200	43.1	316.9	18,400	46.2	324.6	23,000	180
185	38.8	305.0	14,500	41.1	311.3	17,600	44.3	319.5	21,900	185
190	36.7	298.4	13,900	39.1	305.3	17,000	42.4	314.2	21,000	190
195	34.4	291.4	13,500	37.0	298.9	16,300	40.4	308.5	20,100	195
200	32.0	283.6	13,000	34.7	291.8	15,500	38.4	302.3	19,200	200
205	29.5	275.1	12,600	32.3	284.2	15,000	36.2	295.6	18,300	205
208	27.8	269.4	12,300	30.8	279.1	14,600	34.8	291.3	17,700	208
210	26.7	265.6	12,200	29.8	275.8	14,400	33.9	288.4	17,300	210
215	23.6	254.8	11,900	27.0	266.4	14,000	31.5	280.5	16,400	215
220	20.0	242.1	11,700	23.9	255.7	13,300	28.9	271.8	15,500	220
230	9.6	203.2	9,400	16.2	227.9	11,300	22.8	250.9	13,500	230
232	5.3	187.2	8,200	13.1	216.2	10,600	21.2	244.9	13,000	232
238				3.8	181.1	8,300	16.2	226.8	11,800	238
240							14.6	220.7	11,400	240
246							5.0	184.7	9,200	246
250										250
255										255
260										260
265										265
268										268

# MLC250 S-3

ASME B30.5



219,600 lb  
+  
80,000 lb



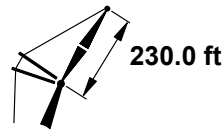
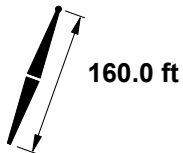
	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
68													68
70													70
75													75
80													80
81													81
85													85
90													90
95													95
100													100
105													105
110													110
115													115
119	67.9	368.7	35,000										119
120	67.6	368.3	35,000										120
125	66.2	366.1	35,000										125
130	64.8	363.8	35,000										130
135	63.3	361.3	33,400										135
140	61.8	358.7	31,600										140
145	60.3	355.9	30,000										145
150	58.8	352.9	28,500	62.9	357.4	25,100							150
155	57.3	349.8	27,100	61.4	354.7	23,800							155
160	55.7	346.4	25,800	59.9	351.9	22,600							160
165	54.1	342.9	24,500	58.4	348.8	21,500							165
170	52.5	339.1	23,400	56.8	345.6	20,400							170
175	50.8	335.1	22,300	55.3	342.2	19,400							175
180	49.1	330.8	21,300	53.7	338.6	18,500	57.9	343.3	15,700				180
185	47.4	326.3	20,300	52.0	334.8	17,600	56.3	340.1	14,900				185
190	45.5	321.5	19,400	50.3	330.7	16,800	54.7	336.6	14,000				190
195	43.7	316.4	18,500	48.6	326.4	16,000	53.1	332.9	13,200				195
200	41.8	310.9	17,700	46.9	321.8	15,200	51.4	329.0	12,500				200
205	39.7	305.0	16,900	45.0	316.9	14,500	49.7	324.8	11,800				205
208	38.5	301.2	16,500	43.9	313.7	14,100	48.7	322.2	11,400	53.0	327.2	8,400	208
210	37.6	298.7	16,200	43.1	311.6	13,800	48.0	320.4	11,100	52.4	325.7	8,200	210
215	35.4	291.9	15,500	41.2	306.1	13,200	46.2	315.7	10,500	50.7	321.7	7,600	215
220	33.1	284.4	14,800	39.2	300.1	12,600	44.4	310.7	9,900	49.0	317.4	7,100	220
230	27.9	267.2	13,500	34.8	286.6	11,400	40.5	299.6	8,700	45.4	308.0	6,000	230
232	26.7	262.8	13,300	33.8	283.4	11,200	39.6	297.1	8,500	44.7	305.9	5,900	232
238	22.9	249.6	12,600	30.9	273.8	10,500	37.1	289.4	7,900	42.4	299.5	5,300	238
240	21.6	245.2	12,400	29.9	270.6	10,300	36.3	286.8	7,600	41.6	297.4	5,100	240
246	16.2	225.3	11,700	26.4	258.6	9,600	33.4	277.8	7,100				246
250	12.6	212.0	11,300	24.1	250.7	9,200	31.6	271.8	6,700				250
255	0.7	166.6	8,800	20.6	238.3	8,700	28.9	263.1	6,200				255
260				16.4	223.0	8,200	26.1	253.3	5,800				260
265				10.7	201.7	7,600	22.9	242.2	5,300				265
268				4.5	178.2	7,300							268

# MLC250 S-3

ASME B30.5



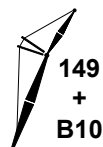
219,600 lb  
+  
80,000 lb



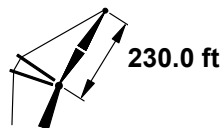
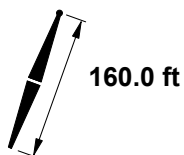
	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
71	76.0	390.8	28,400							71
75	74.9	389.8	28,200							75
80	73.7	388.3	27,900							80
85	72.3	386.8	27,500	73.8	388.1	29,500				85
90	71.0	385.1	27,000	72.5	386.6	29,500				90
95	69.7	383.3	26,600	71.2	384.9	29,500				95
100	68.4	381.3	26,200	69.9	383.1	29,500				100
104	67.3	379.7	25,900	68.8	381.6	29,500	71.0	383.8	29,500	104
105	67.0	379.2	25,900	68.5	381.2	29,500	70.7	383.4	29,500	105
110	65.7	377.0	25,500	67.2	379.1	29,500	69.4	381.6	29,500	110
115	64.3	374.7	25,100	65.8	376.9	29,500	68.1	379.6	29,500	115
120	62.9	372.1	24,800	64.4	374.6	29,300	66.7	377.5	29,500	120
124	61.8	370.0	24,100	63.3	372.6	28,500	65.6	375.7	29,500	124
125	61.5	369.5	24,000	63.0	372.1	28,300	65.4	375.2	29,500	125
130	60.0	366.6	23,100	61.6	369.4	27,400	64.0	372.8	29,500	130
135	58.6	363.6	22,100	60.2	366.6	26,400	62.6	370.3	29,500	135
140	57.1	360.4	21,200	58.8	363.6	25,300	61.2	367.6	29,500	140
145	55.6	357.1	20,200	57.3	360.4	24,400	59.7	364.7	29,500	145
150	54.1	353.5	19,400	55.8	357.1	23,400	58.3	361.6	29,500	150
155	52.5	349.7	18,500	54.3	353.5	22,400	56.8	358.4	28,700	155
156	52.2	348.9	18,400	53.9	352.8	22,300	56.5	357.7	28,400	156
160	50.9	345.7	17,800	52.7	349.8	21,500	55.3	355.0	27,500	160
165	49.3	341.5	17,000	51.1	345.8	20,600	53.7	351.4	26,200	165
170	47.6	337.0	16,200	49.5	341.6	19,800	52.2	347.6	25,000	170
175	45.9	332.3	15,600	47.8	337.2	19,000	50.6	343.5	23,800	175
180	44.1	327.2	15,000	46.1	332.5	18,200	48.9	339.3	22,800	180
185	42.3	321.8	14,300	44.3	327.4	17,500	47.2	334.7	21,700	185
186	41.9	320.7	14,200	44.0	326.4	17,300	46.9	333.7	21,500	186
190	40.4	316.1	13,800	42.5	322.1	16,700	45.5	329.9	20,800	190
195	38.4	309.9	13,200	40.6	316.4	16,000	43.7	324.8	19,900	195
200	36.4	303.3	12,700	38.7	310.3	15,400	41.9	319.3	19,000	200
205	34.2	296.2	12,300	36.6	303.7	14,900	40.0	313.5	18,200	205
210	31.9	288.4	11,900	34.4	296.6	14,300	38.0	307.2	17,400	210
215	29.4	279.8	11,500	32.2	288.9	13,800	35.9	300.5	16,400	215
220	26.7	270.3	11,300	29.7	280.5	13,300	33.7	293.2	15,500	220
230	20.4	247.0	10,400	24.1	260.5	12,200	28.8	276.5	13,900	230
240	11.0	210.7	8,400	16.9	233.3	10,700	23.1	255.7	12,400	240
244	0.7	169.3	5,700	11.3	211.4	9,000	20.0	244.0	11,700	244
249				4.4	183.9	7,000	16.2	229.4	10,900	249
250							15.4	226.5	10,700	250
257							5.4	187.1	7,800	257
260										260
266										266
270										270
279										279

# MLC250 S-3

ASME B30.5



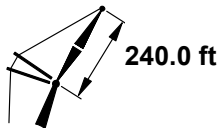
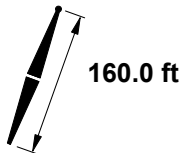
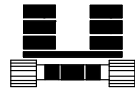
219,600 lb  
+  
80,000 lb



	80°			75°			70°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
71										71
75										75
80										80
85										85
90										90
95										95
100										100
104										104
105										105
110										110
115										115
120										120
124	67.9	377.9	29,500							124
125	67.6	377.5	29,500							125
130	66.2	375.4	29,500							130
135	64.9	373.1	29,500							135
140	63.5	370.6	29,500							140
145	62.1	368.0	29,500							145
150	60.7	365.2	28,300							150
155	59.2	362.3	26,900							155
156	58.9	361.7	26,600	62.8	366.1	23,300				156
160	57.8	359.2	25,600	61.7	364.0	22,400				160
165	56.3	355.9	24,300	60.3	361.2	21,200				165
170	54.7	352.4	23,200	58.8	358.2	20,200				170
175	53.2	348.7	22,100	57.3	355.1	19,200				175
180	51.6	344.8	21,100	55.8	351.7	18,300				180
185	50.0	340.7	20,100	54.3	348.2	17,400				185
186	49.7	339.8	19,900	54.0	347.4	17,200	58.0	352.1	14,300	186
190	48.4	336.4	19,200	52.8	344.4	16,500	56.8	349.5	13,600	190
195	46.7	331.7	18,300	51.2	340.5	15,700	55.3	346.1	12,900	195
200	44.9	326.8	17,500	49.5	336.3	15,000	53.8	342.5	12,100	200
205	43.1	321.6	16,700	47.9	331.9	14,300	52.2	338.7	11,400	205
210	41.2	316.0	16,000	46.2	327.1	13,600	50.6	334.7	10,700	210
215	39.3	310.0	15,300	44.4	322.1	13,000	49.0	330.4	10,100	215
220	37.3	303.6	14,600	42.6	316.8	12,300	47.3	325.9	9,500	220
230	32.9	289.2	13,300	38.7	305.0	11,100	43.8	315.9	8,300	230
240	27.9	271.9	12,200	34.5	291.4	9,900	40.0	304.7	7,300	240
244	25.5	263.2	11,700	32.6	285.0	9,500	38.4	299.5	6,900	244
249	22.5	252.3	11,200	30.3	276.9	9,000	36.3	293.0	6,400	249
250	21.9	250.1	11,100	29.8	275.3	8,900	35.9	291.7	6,300	250
257	16.1	227.8	10,400	25.9	261.4	8,200	32.8	281.0	5,700	257
260	13.6	218.3	10,100	24.2	255.4	7,800	31.4	276.5	5,400	260
266	2.5	174.2	7,700	19.9	239.2	7,300				266
270				17.1	228.4	6,900				270
279				5.0	180.8	6,000				279

# MLC250 S-3

ASME B30.5



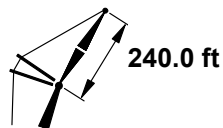
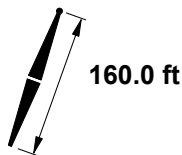
	88°			86°			83°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
74	75.8	400.4	25,900						74	
75	75.6	400.1	25,900						75	
80	74.4	398.8	25,700						80	
85	73.1	397.3	25,400						85	
87	72.6	396.6	25,300	74.0	398.0	29,300			87	
90	71.9	395.7	25,100	73.2	397.1	29,200			90	
95	70.6	393.9	24,700	72.0	395.5	29,000			95	
100	69.3	392.1	24,400	70.7	393.8	28,800			100	
105	68.0	390.1	24,000	69.5	391.9	28,600			105	
108	67.3	388.8	23,800	68.7	390.7	28,400	70.8	393.0	28,000	108
110	66.7	388.0	23,700	68.2	390.0	28,300	70.3	392.2	28,000	110
115	65.4	385.7	23,300	66.9	387.9	28,100	69.0	390.4	27,900	115
120	64.1	383.3	23,000	65.6	385.6	27,800	67.7	388.3	27,800	120
125	62.8	380.8	22,700	64.3	383.2	26,900	66.4	386.2	27,600	125
128	62.0	379.2	22,400	63.4	381.7	26,400	65.7	384.8	27,500	128
130	61.4	378.1	22,100	62.9	380.7	26,100	65.1	383.9	27,500	130
135	60.0	375.3	21,200	61.6	378.1	25,200	63.8	381.5	27,400	135
140	58.6	372.3	20,400	60.2	375.2	24,300	62.5	378.9	27,200	140
145	57.2	369.1	19,600	58.8	372.3	23,400	61.1	376.2	27,100	145
150	55.8	365.8	18,800	57.4	369.1	22,500	59.7	373.3	26,900	150
155	54.3	362.2	18,000	56.0	365.8	21,700	58.3	370.3	26,800	155
160	52.8	358.5	17,300	54.5	362.3	20,900	56.9	367.1	26,500	160
165	51.3	354.6	16,500	53.0	358.6	20,100	55.5	363.7	25,700	165
170	49.8	350.4	15,900	51.5	354.7	19,300	54.0	360.1	24,500	170
175	48.2	346.0	15,200	50.0	350.5	18,500	52.5	356.4	23,400	175
180	46.6	341.3	14,600	48.4	346.1	17,800	51.0	352.4	22,300	180
185	44.9	336.4	13,900	46.7	341.5	17,100	49.4	348.2	21,300	185
190	43.1	331.2	13,400	45.1	336.6	16,400	47.8	343.7	20,300	190
192	42.4	329.0	13,200	44.4	334.5	16,100	47.2	341.8	20,000	192
195	41.4	325.6	12,900	43.3	331.4	15,700	46.2	339.0	19,400	195
200	39.5	319.7	12,400	41.6	325.9	15,100	44.5	334.0	18,600	200
205	37.6	313.3	11,900	39.7	320.0	14,500	42.8	328.7	17,800	205
210	35.6	306.5	11,600	37.8	313.7	13,900	41.0	323.1	16,900	210
215	33.4	299.2	11,100	35.8	307.0	13,500	39.1	317.0	15,900	215
220	31.2	291.2	10,800	33.7	299.7	13,000	37.1	310.6	15,000	220
230	26.2	272.6	9,800	29.1	283.1	11,600	33.0	296.2	13,300	230
240	20.0	248.8	8,600	23.6	262.6	10,300	28.2	279.0	11,800	240
250	10.8	211.7	6,700	16.6	234.8	8,900	22.6	257.7	10,500	250
255				11.5	214.3	7,300	19.2	244.4	9,800	255
259				4.3	184.3	5,400	15.9	231.1	9,100	259
260							15.1	227.8	8,900	260
267							5.3	187.5	6,300	267
270										270
276										276
280										280

# MLC250 S-3

ASME B30.5



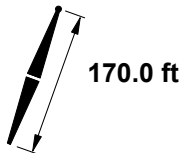
219,600 lb  
+  
80,000 lb



	80°			75°			70°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
74										74
75										75
80										80
85										85
87										87
90										90
95										95
100										100
105										105
108										108
110										110
115										115
120										120
125										125
128	67.8	387.1	29,400							128
130	67.3	386.3	29,400							130
135	66.0	384.1	29,400							135
140	64.7	381.7	29,400							140
145	63.3	379.3	29,300							145
150	62.0	376.7	27,800							150
155	60.6	373.9	26,400							155
160	59.3	371.0	25,100	63.0	375.3	21,800				160
165	57.8	367.9	23,800	61.6	372.7	20,700				165
170	56.4	364.6	22,700	60.2	369.9	19,700				170
175	55.0	361.1	21,600	58.9	366.9	18,700				175
180	53.5	357.5	20,600	57.4	363.7	17,700				180
185	52.0	353.6	19,600	56.0	360.4	16,900				185
190	50.4	349.6	18,700	54.6	356.9	16,000				190
192	49.8	347.9	18,400	54.0	355.4	15,700	57.8	360.2	12,500	192
195	48.9	345.3	17,800	53.1	353.2	15,200	56.9	358.2	12,100	195
200	47.3	340.8	17,000	51.6	349.3	14,500	55.5	354.8	11,300	200
205	45.6	335.9	16,300	50.0	345.2	13,800	54.0	351.3	10,600	205
210	43.9	330.8	15,500	48.4	340.8	13,000	52.5	347.5	10,000	210
215	42.1	325.4	14,800	46.8	336.2	12,300	51.0	343.5	9,300	215
220	40.3	319.7	14,100	45.1	331.3	11,700	49.5	339.3	8,700	220
230	36.4	306.9	12,900	41.6	320.6	10,400	46.2	330.1	7,600	230
240	32.2	292.1	11,700	37.9	308.5	9,200	42.8	319.9	6,500	240
250	27.3	274.3	10,700	33.8	294.4	8,200	39.1	308.2	5,600	250
255	24.6	263.9	10,200	31.5	286.6	7,700	37.2	301.8	5,100	255
259	22.1	254.4	9,800	29.6	279.6	7,300				259
260	21.5	252.0	9,700	29.1	277.9	7,200				260
267	15.8	229.2	9,000	25.3	263.6	6,500				267
270	13.3	219.4	8,700	23.7	257.5	6,300				270
276	2.5	174.4	6,200	19.5	240.9	5,700				276
280				16.7	229.9	5,400				280

# MLC250 S-3

ASME B30.5



	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
34	73.8	244.9	106,500 d							34
36	72.0	244.2	105,000 d							36
38	70.3	243.5	103,500 d							38
40	68.5	242.7	102,000 d	73.7	244.4	118,000 d				40
45	64.0	240.4	98,300 b	69.4	242.7	117,400 d				45
50	59.3	237.6	94,900 b	64.9	240.4	110,400 b				50
52	57.4	236.2	93,700 b	63.0	239.4	107,800 b	71.0	242.4	116,500 d	52
55	54.4	234.2	91,900	60.2	237.7	103,900 b	68.3	241.2	113,000 d	55
60	49.1	230.1	85,200	55.3	234.4	98,100	63.8	238.9	107,300 b	60
65	43.3	225.1	78,400	50.1	230.5	92,600	59.1	236.1	101,200 b	65
70	36.8	218.9	72,600	44.4	225.7	86,100	54.1	232.6	93,200	70
75	29.1	210.9	67,900	38.1	219.8	79,600	48.8	228.5	85,500	75
80	18.4	198.9	65,200	30.6	212.2	74,100	43.0	223.5	78,800	80
83	5.3	183.2	56,900	24.7	205.6	71,700	39.1	219.7	75,300	83
85				20.8	201.3	70,100	36.5	217.2	73,000	85
89				4.3	181.6	57,800	30.2	210.7	68,900	89
90							28.7	209.1	67,900	90
95							17.8	196.8	63,300	95
97							10.6	188.2	61,500	97
100										100
104										104
105										105
106										106
110										110
115										115
120										120
121										121
123										123
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130										130
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140										140
145										145
148										148

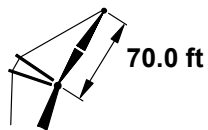
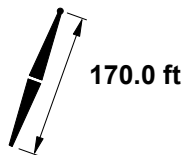


# MLC250 S-3

ASME B30.5



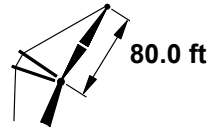
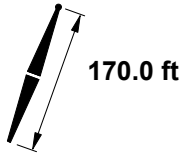
219,600 lb  
+  
80,000 lb



	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
34													34
36													36
38													38
40													40
45													45
50													50
52													52
55													55
60													60
65	67.3	239.3	97,800 c										65
70	62.7	236.8	89,000 b										70
75	57.9	233.8	81,600 b										75
80	52.9	230.3	75,300										80
83	49.6	227.7	71,900										83
85	47.5	225.9	69,700	62.2	233.1	64,300 b							85
89	42.7	221.7	65,800	58.3	230.7	60,700 b							89
90	41.5	220.7	64,900	57.4	230.1	59,800							90
95	34.7	214.0	60,500	52.3	226.4	55,800							95
97	31.4	210.5	59,000	50.1	224.6	54,400							97
100	26.4	205.2	56,700	46.8	222.0	52,300							100
104	16.4	193.6	53,800	42.0	217.7	49,700	57.5	225.5	45,500 b				104
105	13.9	190.8	53,100	40.8	216.6	49,100	56.5	224.8	44,900				105
106	9.4	185.4	52,400	39.4	215.2	48,500	55.4	224.0	44,400				106
110				33.9	209.8	46,200	51.3	221.0	42,300				110
115				25.3	200.6	43,500	45.8	216.4	39,900				115
120				11.6	184.6	41,000	39.6	210.8	37,700				120
121				5.2	176.9	40,500	38.2	209.4	37,300				121
123							35.3	206.5	36,500	52.0	215.7	33,100	123
125							32.5	203.7	35,700	49.9	214.0	32,400	125
130							23.4	193.8	33,800	44.2	209.2	30,700	130
135							6.1	173.3	31,900	37.8	203.2	29,100	135
140										30.3	195.5	27,600	140
145										20.3	184.3	26,200	145
148										10.2	172.5	25,400	148

# MLC250 S-3

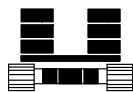
ASME B30.5



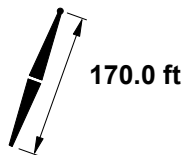
	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
34	75.8	255.3	98,100 d							34
36	74.4	254.7	97,000 d							36
38	72.9	254.1	95,800 d							38
40	71.3	253.4	94,400 d							40
43	69.0	252.2	92,300 d	73.6	254.0	112,500 d				43
45	67.5	251.4	90,900 b	72.0	253.3	111,400 d				45
50	63.5	249.0	87,700 b	68.2	251.4	106,400 b				50
55	59.4	246.2	85,000	64.3	249.1	100,400 b				55
56	58.6	245.5	84,400	63.5	248.6	99,300 b	70.4	251.6	107,800 c	56
60	55.1	242.9	81,900	60.2	246.4	94,900	67.3	250.0	103,700 b	60
65	50.6	239.0	75,000	55.9	243.2	89,800	63.3	247.6	98,200 b	65
68	47.6	236.2	71,500	53.2	240.9	85,900	60.9	245.9	94,900 b	68
70	45.7	234.3	69,100	51.4	239.4	83,300	59.2	244.7	92,700	70
75	40.3	228.8	63,900	46.6	234.9	76,500	54.9	241.4	85,000	75
80	34.3	222.0	59,500	41.4	229.5	70,700	50.3	237.4	78,400	80
85	27.1	213.3	56,100	35.5	223.0	65,700	45.4	232.7	72,600	85
89	19.1	203.0	54,700	29.9	216.4	62,400	41.1	228.3	68,600	89
90	17.2	200.4	54,300	28.5	214.7	61,500	40.1	227.2	67,500	90
93	4.9	183.5	50,600	23.0	207.6	59,800	36.4	223.0	64,900	93
95				19.4	202.9	58,700	34.0	220.3	63,100	95
99				4.0	181.9	51,500	28.2	213.2	59,800	99
100							26.7	211.4	59,000	100
105							16.6	198.2	55,400	105
107							9.8	189.0	54,000	107
109										109
110										110
115										115
116										116
120										120
125										125
129										129
130										130
131										131
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145										145
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155										155
158										158

# MLC250 S-3

ASME B30.5



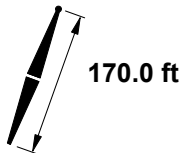
219,600 lb  
+  
80,000 lb



	80°			75°			70°			65°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
34													34
36													36
38													38
40													40
43													43
45													45
50													50
55													55
56													56
60													60
65													65
68	67.9	248.9	91,800 b										68
70	66.4	248.0	88,500 b										70
75	62.4	245.5	81,100										75
80	58.2	242.5	74,700										80
85	53.8	239.0	69,200										85
89	50.1	235.7	65,400	62.7	242.3	60,000 b							89
90	49.2	234.9	64,400	61.9	241.8	59,100							90
93	46.2	232.0	61,800	59.4	240.0	56,800							93
95	44.2	230.0	60,100	57.7	238.8	55,200							95
99	39.8	225.4	57,100	54.2	235.9	52,400							99
100	38.7	224.2	56,300	53.3	235.2	51,700							100
105	32.4	216.9	52,900	48.6	231.0	48,500							105
107	29.3	213.1	51,600	46.6	229.0	47,400							107
109	26.2	209.3	50,400	44.6	227.0	46,300	57.8	234.2	42,100				109
110	24.6	207.4	49,800	43.6	226.0	45,700	56.9	233.5	41,600				110
115	12.9	191.8	46,800	38.0	220.1	43,100	52.5	229.8	39,300				115
116	8.8	186.1	46,300	36.7	218.6	42,600	51.5	229.0	38,800				116
120				31.6	212.6	40,700	47.8	225.5	37,100				120
125				23.6	202.7	38,500	42.6	220.4	35,100				125
129				13.4	188.9	36,900	38.1	215.4	33,600	52.1	223.7	30,400	129
130				10.8	185.5	36,400	36.9	214.2	33,300	51.2	222.9	30,000	130
131				4.8	177.2	36,000	35.6	212.6	32,900	50.3	222.0	29,700	131
135							30.3	206.4	31,600	46.4	218.3	28,500	135
140							21.8	195.7	30,000	41.1	212.9	27,100	140
145							5.6	173.7	28,300	35.2	206.4	25,700	145
150										28.2	198.0	24,500	150
155										18.9	186.0	23,200	155
158										9.5	173.2	22,500	158

# MLC250 S-3

ASME B30.5



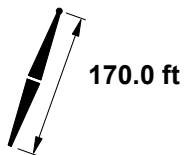
	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
37	75.5	264.8	89,200 d							37
38	74.8	264.5	88,700 d							38
40	73.5	263.9	87,500 d							40
45	70.1	262.2	84,400 b							45
46	69.4	261.8	83,900 b	73.4	263.5	102,600 d				46
50	66.7	260.1	81,500 b	70.8	262.2	100,800 b				50
55	63.1	257.7	78,900	67.3	260.2	97,400 b				55
59	60.2	255.4	77,900	64.5	258.3	93,200 b	70.6	261.1	101,100 b	59
60	59.5	254.9	77,600	63.8	257.8	92,200	70.0	260.8	100,400 b	60
65	55.7	251.6	72,600	60.2	255.0	86,800	66.5	258.7	95,400 b	65
70	51.7	247.8	66,700	56.4	251.9	80,400	63.0	256.2	90,600	70
72	50.0	246.1	64,700	54.8	250.4	78,000	61.5	255.1	88,200	72
75	47.4	243.4	61,600	52.4	248.2	74,500	59.3	253.4	84,700	75
80	42.9	238.3	57,100	48.3	243.9	68,900	55.5	250.1	78,100	80
85	37.9	232.3	53,200	43.8	238.9	63,600	51.5	246.3	72,300	85
90	32.2	224.9	49,900	38.9	233.1	59,100	47.2	241.8	67,300	90
94	26.8	217.4	47,800	34.4	227.4	56,000	43.6	237.7	63,700	94
95	25.5	215.5	47,300	33.3	226.0	55,200	42.7	236.7	62,900	95
100	16.1	201.8	46,000	26.8	217.1	52,000	37.7	230.6	58,900	100
103	4.6	183.9	45,400	21.7	209.5	50,700	34.2	226.1	56,700	103
105				18.2	204.5	49,800	32.0	223.2	55,300	105
109				3.7	182.1	46,300	26.5	215.6	52,700	109
110							25.1	213.7	52,100	110
114							17.5	202.4	49,700	114
115							15.6	199.5	49,100	115
117							9.2	189.8	47,900	117
120										120
125										125
126										126
130										130
135										135
140										140
141										141
145										145
150										150
155										155
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165										165
168										168

# MLC250 S-3

ASME B30.5



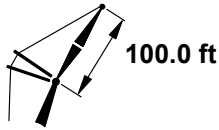
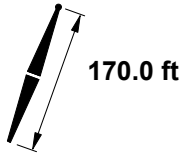
219,600 lb  
+  
80,000 lb



	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
37													37
38													38
40													40
45													45
46													46
50													50
55													55
59													59
60													60
65													65
70													70
72	67.8	258.0	85,000 b										72
75	65.7	256.7	80,700										75
80	62.1	254.1	74,400										80
85	58.4	251.2	68,900										85
90	54.5	247.8	64,100										90
94	51.3	244.6	60,700	62.4	251.0	55,600							94
95	50.5	243.8	59,800	61.7	250.4	54,800							95
100	46.2	239.2	56,000	58.0	247.4	51,300							100
103	43.4	236.0	54,000	55.6	245.3	49,400							103
105	41.5	233.9	52,600	54.1	244.0	48,200							105
109	37.4	228.8	50,200	50.8	240.7	45,900							109
110	36.3	227.5	49,600	50.0	239.9	45,400							110
114	31.6	221.2	47,300	46.5	236.2	43,300	58.0	242.8	39,300				114
115	30.4	219.7	46,800	45.7	235.3	42,800	57.3	242.2	38,900				115
117	27.5	215.6	45,700	43.8	233.1	41,900	55.7	240.8	38,000				117
120	23.1	209.4	44,200	40.9	229.8	40,500	53.4	238.6	36,700				120
125	12.1	192.9	41,800	35.7	223.3	38,300	49.2	234.5	34,700				125
126	8.2	186.8	41,300	34.5	221.7	37,900	48.4	233.5	34,400				126
130				29.7	215.3	36,300	44.8	229.7	32,900				130
135				22.2	204.6	34,500	40.0	224.1	31,300	52.3	231.7	28,100	135
140				10.1	186.4	32,700	34.7	217.3	29,700	48.1	227.4	26,700	140
141				4.5	177.5	32,300	33.4	215.6	29,400	47.2	226.4	26,400	141
145							28.5	208.9	28,300	43.6	222.4	25,400	145
150							20.5	197.5	26,900	38.6	216.5	24,100	150
155							5.2	174.1	25,500	33.1	209.4	23,000	155
160										26.5	200.3	21,900	160
165										17.7	187.5	20,800	165
168										8.9	174.0	20,200	168

# MLC250 S-3

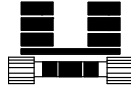
ASME B30.5



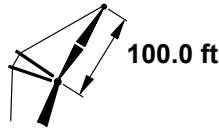
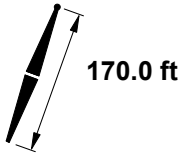
	88°			86°			83°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
39	75.8	274.6	81,400 d							39
40	75.2	274.4	80,900 d							40
45	72.2	272.8	78,300 b							45
48	70.4	271.7	76,800 b	74.0	273.4	94,000 b				48
50	69.1	271.0	75,800 b	72.7	272.7	93,300 b				50
55	66.0	268.9	73,400	69.7	271.0	91,400 b				55
60	62.8	266.4	72,200	66.6	268.9	88,800				60
62	61.5	265.2	71,200	65.3	267.9	86,500	70.8	270.7	92,300 b	62
65	59.5	263.5	69,600	63.4	266.5	83,100	69.0	269.5	91,900	65
70	56.1	260.3	64,500	60.2	263.7	77,500	65.9	267.4	87,700	70
75	52.6	256.6	59,600	56.8	260.5	72,000	62.7	264.9	83,500	75
76	51.8	255.8	58,700	56.1	259.8	70,900	62.0	264.3	82,300	76
80	48.8	252.4	55,200	53.2	256.9	66,700	59.4	262.0	77,600	80
85	44.8	247.6	51,200	49.5	252.8	62,100	56.0	258.8	71,900	85
90	40.6	242.0	47,800	45.6	248.2	57,400	52.4	255.1	66,800	90
95	35.8	235.5	44,800	41.4	242.7	53,500	48.6	250.8	62,400	95
98	32.6	230.8	43,300	38.6	238.9	51,300	46.2	247.9	60,000	98
100	30.5	227.6	42,300	36.8	236.4	49,900	44.7	246.0	58,500	100
105	24.1	217.6	40,300	31.6	228.8	46,800	40.4	240.4	54,900	105
110	15.3	203.1	39,000	25.4	219.3	44,400	35.6	233.8	51,700	110
113	4.3	184.2	39,000	20.5	211.3	43,400	32.4	229.1	50,000	113
115				17.2	206.0	42,700	30.2	225.9	48,800	115
119				3.5	182.3	40,900	25.0	217.8	46,700	119
120							23.8	215.7	46,100	120
125							14.7	200.8	43,600	125
127							8.7	190.5	42,700	127
130										130
135										135
136										136
140										140
141										141
145										145
150										150
151										151
155										155
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165										165
170										170
175										175
178										178

# MLC250 S-3

ASME B30.5



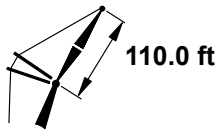
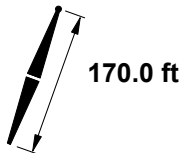
219,600 lb  
+  
80,000 lb



	80°			75°			70°			65°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
39													39
40													40
45													45
48													48
50													50
55													55
60													60
62													62
65													65
70													70
75													75
76	67.6	267.2	78,800										76
80	65.1	265.4	73,800										80
85	61.9	262.8	68,300										85
90	58.6	259.9	63,500										90
95	55.1	256.5	59,300										95
98	52.9	254.2	57,000	62.8	260.2	52,000							98
100	51.5	252.7	55,500	61.5	259.1	50,700							100
105	47.7	248.3	52,100	58.2	256.1	47,600							105
110	43.6	243.3	49,100	54.7	252.7	44,800							110
113	41.0	239.8	47,400	52.5	250.4	43,200							113
115	39.2	237.5	46,300	51.1	248.8	42,200							115
119	35.4	232.0	44,300	48.0	245.2	40,400							119
120	34.4	230.6	43,800	47.3	244.4	39,900	57.6	250.9	36,000				120
125	28.8	222.2	41,500	43.2	239.3	37,800	54.1	247.4	34,100				125
127	26.0	217.9	40,600	41.4	236.9	37,000	52.6	245.8	33,400				127
130	21.9	211.3	39,300	38.7	233.4	35,800	50.4	243.4	32,300				130
135	11.5	193.8	37,300	33.8	226.4	34,000	46.5	238.8	30,700				135
136	7.7	187.4	36,900	32.7	224.6	33,700	45.7	237.8	30,400				136
140				28.1	217.8	32,300	42.4	233.6	29,100				140
141				26.7	215.5	32,000	41.5	232.4	28,900	52.3	239.7	25,700	141
145				21.0	206.4	30,700	37.9	227.5	27,700	49.4	236.3	24,700	145
150				9.6	187.1	29,200	32.8	220.3	26,400	45.4	231.6	23,500	150
151				4.2	177.8	28,900	31.6	218.5	26,100	44.6	230.5	23,300	151
155							26.9	211.3	25,100	41.2	226.2	22,400	155
160							19.4	199.2	23,900	36.5	219.8	21,300	160
165							4.9	174.5	22,700	31.3	212.2	20,300	165
170										25.1	202.5	19,400	170
175										16.8	188.9	18,400	175
178										8.4	174.6	17,800	178

# MLC250 S-3

ASME B30.5



	88°			86°			83°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
41	76.0	284.4	74,500 d						41	
45	73.9	283.3	72,800 b						45	
50	71.1	281.7	71,700 b						50	
51	70.6	281.3	71,300 b	73.8	282.9	85,900 b			51	
55	68.3	279.8	69,500	71.6	281.6	84,900 b			55	
60	65.5	277.6	66,500	68.9	279.7	83,100			60	
65	62.6	275.0	64,700	66.0	277.6	79,700	71.0	280.2	84,300	65
70	59.6	272.2	62,600	63.1	275.1	74,800	68.2	278.3	83,900	70
75	56.5	269.0	58,300	60.1	272.4	69,900	65.4	276.1	81,000	75
80	53.3	265.4	54,200	57.1	269.2	65,200	62.4	273.6	77,400	80
85	49.9	261.3	50,200	53.9	265.7	60,700	59.4	270.7	71,700	85
90	46.4	256.7	46,700	50.6	261.7	56,600	56.3	267.5	66,700	90
95	42.6	251.5	43,600	47.1	257.2	52,800	53.1	263.9	62,300	95
100	38.6	245.6	40,900	43.3	252.2	49,100	49.8	259.8	58,400	100
103	35.9	241.4	39,500	40.9	248.7	47,200	47.6	257.0	56,200	103
105	34.1	238.6	38,500	39.3	246.3	45,900	46.2	255.2	54,800	105
110	29.0	230.2	36,500	35.0	239.6	43,000	42.4	249.9	51,600	110
115	22.9	219.7	35,100	30.0	231.5	40,600	38.4	243.9	48,800	115
120	14.5	204.3	34,100	24.2	221.5	38,700	33.9	236.9	46,100	120
123	4.0	184.5	34,100	19.5	213.0	37,900	30.8	231.8	44,700	123
125				16.4	207.4	37,300	28.8	228.4	43,700	125
129				3.2	182.6	36,400	23.8	219.9	41,900	129
130							22.6	217.7	41,500	130
135							14.0	202.0	39,400	135
137							8.2	191.1	38,500	137
140										140
145										145
146										146
147										147
150										150
155										155
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185										185
188										188

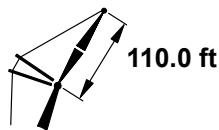
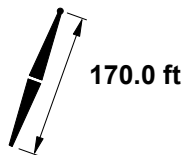


# MLC250 S-3

ASME B30.5



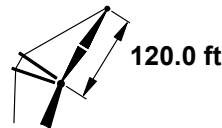
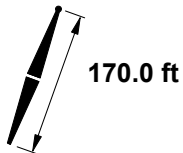
219,600 lb  
+  
80,000 lb



	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
41													41
45													45
50													50
51													51
55													55
60													60
65													65
70													70
75													75
80	67.5	276.4	73,600										80
85	64.7	274.1	68,200										85
90	61.7	271.5	63,400										90
95	58.7	268.5	59,200										95
100	55.6	265.2	55,400										100
103	53.6	263.0	53,400	62.6	268.8	48,600							103
105	52.3	261.5	52,000	61.4	267.8	47,400							105
110	48.9	257.3	49,000	58.4	264.8	44,600							110
115	45.3	252.5	46,200	55.2	261.4	42,100							115
120	41.5	247.1	43,700	51.9	257.6	39,800							120
123	39.0	243.4	42,400	49.9	255.1	38,500							123
125	37.3	240.9	41,400	48.5	253.4	37,700	57.8	259.5	33,900				125
129	33.6	235.0	39,700	45.6	249.5	36,100	55.3	256.8	32,500				129
130	32.7	233.6	39,300	44.9	248.5	35,700	54.6	256.1	32,200				130
135	27.4	224.7	37,400	41.0	243.0	33,900	51.3	252.2	30,500				135
137	24.8	220.0	36,600	39.3	240.5	33,300	49.9	250.5	29,900				137
140	20.8	213.1	35,500	36.8	236.7	32,300	47.9	247.9	29,000				140
145	10.9	194.7	33,800	32.1	229.2	30,700	44.2	242.9	27,600				145
146	7.3	188.0	33,400	31.1	227.4	30,400	43.4	241.8	27,300				146
147				30.0	225.6	30,100	42.6	240.7	27,100	52.4	247.7	24,100	147
150				26.7	220.1	29,300	40.3	237.3	26,300	50.4	245.2	23,300	150
155				20.0	208.2	27,900	36.0	230.8	25,100	46.9	240.7	22,200	155
160				9.1	187.9	26,600	31.2	223.1	23,900	43.2	235.6	21,200	160
161				4.0	178.1	26,300	30.1	221.2	23,700	42.4	234.4	21,000	161
165							25.6	213.6	22,800	39.2	229.8	20,200	165
170							18.5	200.8	21,700	34.8	222.9	19,300	170
175							4.7	174.8	20,700	29.8	214.8	18,400	175
180										23.9	204.6	17,500	180
185										16.0	190.3	16,700	185
188										8.0	175.3	16,200	188

# MLC250 S-3

ASME B30.5



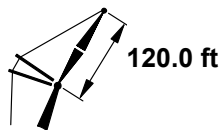
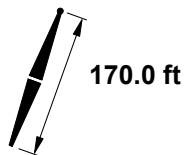
	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
44	75.7	294.0	67,800 c							44
45	75.2	293.7	67,500 b							45
50	72.8	292.2	66,700 b							50
54	70.7	290.8	65,200 b	73.7	292.4	78,600				54
55	70.2	290.5	64,800	73.2	292.1	78,400				55
60	67.7	288.5	62,100	70.7	290.4	77,300				60
65	65.0	286.2	61,300	68.1	288.5	75,500				65
69	62.9	284.2	59,300	66.0	286.7	72,300	70.6	289.4	77,100	69
70	62.4	283.7	58,800	65.5	286.3	71,500	70.1	289.0	77,100	70
75	59.6	280.9	56,200	62.9	283.8	67,200	67.5	287.0	76,800	75
80	56.8	277.7	52,300	60.1	281.0	63,100	64.9	284.8	75,000	80
83	55.0	275.6	50,300	58.4	279.2	60,600	63.3	283.2	72,700	83
85	53.9	274.1	48,900	57.3	277.9	59,000	62.2	282.2	71,200	85
90	50.8	270.2	45,600	54.4	274.4	55,100	59.5	279.4	66,200	90
95	47.6	265.8	42,400	51.4	270.6	51,400	56.7	276.2	61,800	95
100	44.3	260.9	39,700	48.2	266.3	48,100	53.7	272.6	57,900	100
105	40.7	255.3	37,200	44.9	261.4	44,900	50.7	268.7	54,400	105
107	39.2	252.7	36,400	43.5	259.2	43,700	49.4	266.9	53,100	107
110	36.8	248.9	35,100	41.4	256.0	42,000	47.5	264.2	51,200	110
115	32.6	241.5	33,200	37.6	249.8	39,400	44.1	259.3	48,300	115
120	27.7	232.7	31,600	33.4	242.6	37,200	40.5	253.6	45,700	120
125	21.9	221.6	30,500	28.7	234.1	35,200	36.7	247.2	43,300	125
130	13.9	205.5	29,800	23.1	223.5	33,700	32.4	239.8	41,100	130
133	3.8	184.7	29,800	18.6	214.6	33,100	29.4	234.4	39,900	133
135				15.7	208.8	32,600	27.5	230.9	39,100	135
139				3.1	182.8	32,100	22.8	221.9	37,500	139
140							21.6	219.6	37,100	140
145							13.4	203.1	35,300	145
147							7.9	191.8	34,600	147
150										150
153										153
155										155
156										156
160										160
165										165
170										170
171										171
175										175
180										180
185										185
190										190
195										195
198										198

# MLC250 S-3

ASME B30.5



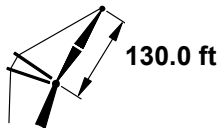
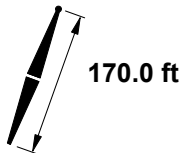
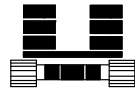
219,600 lb  
+  
80,000 lb



	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
44													44
45													45
50													50
54													54
55													55
60													60
65													65
69													69
70													70
75													75
80													80
83	67.9	285.9	69,700										83
85	66.9	285.1	67,600										85
90	64.3	282.8	62,800										90
95	61.6	280.1	58,600										95
100	58.8	277.2	54,900										100
105	56.0	273.9	51,500										105
107	54.8	272.5	50,300	62.9	278.0	45,600							107
110	53.0	270.3	48,500	61.3	276.4	44,000							110
115	49.9	266.2	45,700	58.5	273.4	41,500							115
120	46.7	261.6	43,200	55.6	270.1	39,200							120
125	43.3	256.5	41,000	52.7	266.4	37,100							125
130	39.6	250.7	38,900	49.6	262.3	35,200	58.0	268.2	31,500				130
133	37.2	246.8	37,700	47.6	259.5	34,100	56.2	266.2	30,500				133
135	35.7	244.1	36,900	46.3	257.7	33,400	55.1	264.8	29,900				135
139	32.1	237.9	35,500	43.6	253.5	32,100	52.7	261.8	28,700				139
140	31.3	236.4	35,100	42.9	252.5	31,700	52.1	261.1	28,400				140
145	26.2	227.0	33,500	39.2	246.6	30,200	49.0	256.8	27,000				145
147	23.7	222.1	32,800	37.6	243.9	29,600	47.7	255.0	26,500				147
150	19.9	214.9	31,900	35.2	239.9	28,800	45.7	252.1	25,700				150
153	14.2	203.3	31,000	32.5	235.2	28,000	43.6	249.0	25,000	52.5	255.7	22,000	153
155	10.4	195.6	30,400	30.7	232.0	27,400	42.2	246.8	24,500	51.3	254.1	21,600	155
156	7.0	188.5	30,000	29.7	230.1	27,200	41.5	245.6	24,300	50.6	253.2	21,400	156
160				25.5	222.4	26,200	38.5	240.8	23,300	48.1	249.8	20,500	160
165				19.1	209.8	25,000	34.4	233.9	22,300	44.8	244.9	19,600	165
170				8.7	188.6	23,800	29.8	225.7	21,300	41.2	239.4	18,700	170
171				3.8	178.4	23,500	28.8	223.7	21,100	40.5	238.2	18,500	171
175							24.5	215.7	20,300	37.4	233.2	17,800	175
180							17.7	202.3	19,400	33.2	225.9	17,000	180
185							4.4	175.1	18,400	28.5	217.4	16,200	185
190										22.8	206.6	15,500	190
195										15.3	191.6	14,700	195
198										7.6	175.9	14,300	198

# MLC250 S-3

ASME B30.5



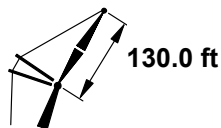
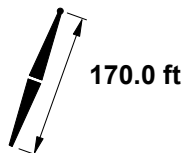
	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
46	76.0	303.8	62,400 c							46
50	74.1	302.7	62,100 b							50
55	71.8	301.1	59,600 b							55
57	70.9	300.4	59,000 b	73.6	302.0	72,200				57
60	69.5	299.3	58,100	72.2	301.0	71,800				60
65	67.1	297.2	57,400	69.9	299.3	70,500				65
70	64.7	294.9	56,000	67.5	297.2	68,300				70
72	63.7	293.9	55,300	66.6	296.3	66,800	70.8	299.0	70,800	72
75	62.2	292.4	54,300	65.1	295.0	64,500	69.4	297.8	70,700	75
80	59.6	289.5	50,800	62.6	292.5	60,900	67.0	295.8	70,500	80
85	57.0	286.4	47,500	60.1	289.7	57,200	64.5	293.5	69,900	85
87	56.0	285.0	46,300	59.1	288.4	55,800	63.5	292.4	68,300	87
90	54.4	282.9	44,500	57.5	286.6	53,700	62.1	290.9	65,900	90
95	51.6	279.0	41,600	54.9	283.2	50,300	59.5	288.0	61,500	95
100	48.7	274.8	38,900	52.1	279.4	47,100	56.9	284.9	57,500	100
105	45.6	270.0	36,400	49.2	275.2	44,200	54.2	281.4	54,000	105
110	42.4	264.8	34,200	46.2	270.6	41,400	51.4	277.5	50,900	110
112	41.1	262.4	33,400	44.9	268.5	40,400	50.3	275.8	49,700	112
115	39.0	258.8	32,300	43.0	265.4	38,800	48.5	273.2	48,000	115
120	35.3	252.1	30,500	39.7	259.6	36,400	45.5	268.5	45,400	120
125	31.2	244.3	29,000	36.0	253.0	34,400	42.3	263.2	43,000	125
130	26.6	235.1	27,700	32.0	245.5	32,500	38.9	257.2	40,800	130
135	21.0	223.4	26,800	27.5	236.5	31,000	35.1	250.4	38,800	135
136	19.5	220.1	26,800	26.4	234.3	30,700	34.3	248.8	38,400	136
140	13.3	206.6	26,500	22.2	225.4	29,700	31.0	242.6	36,900	140
143	3.7	185.0	26,500	17.9	216.2	29,200	28.2	237.0	35,800	143
145				15.0	210.0	28,900	26.4	233.2	35,200	145
149				2.9	183.0	28,400	21.8	223.8	33,800	149
150							20.7	221.4	33,500	150
155							12.8	204.2	31,900	155
157							7.5	192.4	31,300	157
159										159
160										160
165										165
166										166
170										170
175										175
180										180
181										181
185										185
190										190
195										195
200										200
205										205
208										208

# MLC250 S-3

ASME B30.5



219,600 lb  
+  
80,000 lb



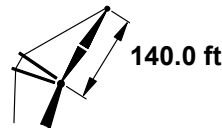
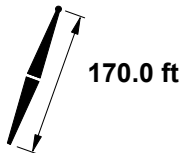
	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
46													46
50													50
55													55
57													57
60													60
65													65
70													70
72													72
75													75
80													80
85													85
87	67.8	295.1	65,200										87
90	66.4	293.8	62,400										90
95	63.9	291.4	58,200										95
100	61.5	288.8	54,500										100
105	58.9	285.9	51,100										105
110	56.3	282.6	48,100										110
112	55.2	281.2	47,000	62.7	286.7	42,500							112
115	53.6	279.0	45,400	61.2	285.1	41,000							115
120	50.7	275.1	42,900	58.6	282.1	38,800							120
125	47.8	270.7	40,600	56.0	278.8	36,700							125
130	44.7	265.8	38,500	53.2	275.2	34,800							130
135	41.5	260.3	36,600	50.4	271.2	33,000							135
136	40.8	259.1	36,200	49.8	270.3	32,700	57.6	276.2	29,100				136
140	38.0	254.2	34,800	47.5	266.7	31,400	55.5	273.5	28,000				140
143	35.7	250.0	33,800	45.6	263.8	30,400	53.8	271.3	27,100				143
145	34.2	247.2	33,200	44.4	261.8	29,800	52.7	269.8	26,600				145
149	30.8	240.7	31,900	41.7	257.4	28,700	50.5	266.6	25,500				149
150	30.0	239.0	31,600	41.1	256.3	28,400	49.9	265.8	25,300				150
155	25.1	229.2	30,200	37.6	250.1	27,100	46.9	261.2	24,100				155
157	22.7	224.1	29,600	36.0	247.2	26,600	45.7	259.2	23,600				157
159	20.3	219.1	29,100	34.5	244.4	26,100	44.4	257.2	23,200	52.5	263.7	20,300	159
160	19.1	216.5	28,800	33.7	242.9	25,900	43.8	256.2	23,000	52.0	262.9	20,100	160
165	10.0	196.4	27,500	29.5	234.6	24,700	40.5	250.6	21,900	49.1	258.7	19,200	165
166	6.7	189.1	27,200	28.5	232.6	24,500	39.8	249.3	21,700	48.5	257.8	19,000	166
170				24.5	224.6	23,600	36.9	244.2	20,900	46.1	254.0	18,200	170
175				18.3	211.4	22,500	33.0	236.9	20,000	42.9	248.8	17,400	175
180				8.3	189.3	21,500	28.6	228.3	19,100	39.5	243.0	16,600	180
181				3.6	178.6	21,300	27.6	226.2	18,900	38.8	241.7	16,400	181
185							23.5	217.8	18,200	35.9	236.4	15,800	185
190							16.9	203.8	17,400	31.8	228.8	15,100	190
195							4.2	175.4	16,500	27.3	219.8	14,400	195
200										21.9	208.6	13,700	200
205										14.6	192.9	13,100	205
208										7.3	176.5	12,700	208

# MLC250 S-3

ASME B30.5



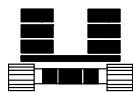
219,600 lb  
+  
80,000 lb



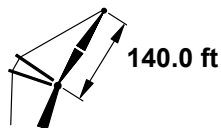
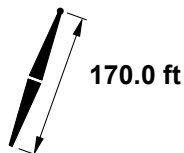
ft	88°			86°			83°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
49	75.7	313.4	57,600 b							49
50	75.3	313.1	57,500 b							50
55	73.2	311.6	55,500 b							55
59	71.4	310.3	54,500 b	74.0	311.8	66,400				59
60	71.0	310.0	54,200	73.5	311.5	66,300				60
65	68.8	308.1	52,900	71.4	309.9	65,600				65
70	66.6	306.0	52,400	69.2	308.0	64,700				70
75	64.3	303.6	51,200	67.0	306.0	61,600	70.9	308.5	64,800	75
80	62.0	301.0	49,000	64.8	303.7	58,400	68.7	306.6	64,800	80
85	59.7	298.2	46,000	62.5	301.1	55,200	66.5	304.5	64,600	85
90	57.3	295.1	43,100	60.1	298.3	52,000	64.2	302.2	64,100	90
91	56.8	294.4	42,600	59.6	297.7	51,400	63.8	301.6	63,500	91
95	54.8	291.6	40,500	57.7	295.3	48,900	61.9	299.6	61,000	95
100	52.2	287.8	38,000	55.2	291.9	46,000	59.6	296.7	57,000	100
105	49.6	283.7	35,700	52.7	288.2	43,200	57.1	293.5	53,500	105
110	46.8	279.1	33,500	50.0	284.1	40,500	54.7	290.1	50,400	110
115	43.9	274.1	31,500	47.3	279.6	38,200	52.1	286.3	47,500	115
116	43.3	273.0	31,100	46.7	278.6	37,700	51.5	285.5	47,000	116
120	40.8	268.5	29,700	44.4	274.7	35,900	49.4	282.1	44,900	120
125	37.5	262.3	28,100	41.4	269.2	33,700	46.7	277.6	42,500	125
130	34.0	255.2	26,700	38.2	263.1	31,800	43.7	272.5	40,400	130
135	30.1	247.0	25,500	34.7	256.2	30,100	40.7	266.9	38,300	135
140	25.6	237.3	24,500	30.8	248.2	28,700	37.4	260.6	36,500	140
141	24.5	234.9	24,400	30.0	246.3	28,400	36.7	259.2	36,100	141
145	20.2	225.2	23,700	26.5	238.9	27,300	33.8	253.5	34,700	145
150	12.8	207.7	23,500	21.3	227.3	26,300	29.9	245.2	33,100	150
153	3.5	185.2	23,500	17.2	217.7	26,000	27.2	239.4	32,200	153
155				14.4	211.3	25,700	25.4	235.5	31,600	155
159				2.8	183.1	25,100	21.0	225.6	30,500	159
160							19.9	223.2	30,200	160
165							12.3	205.3	28,800	165
167							7.2	193.0	27,900	167
170										170
175										175
176										176
180										180
185										185
190										190
191										191
195										195
200										200
205										205
210										210
215										215
218										218

# MLC250 S-3

ASME B30.5



219,600 lb  
+  
80,000 lb



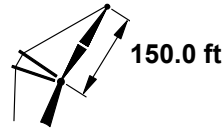
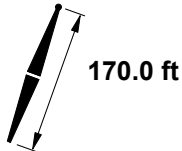
	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
49													49
50													50
55													55
59													59
60													60
65													65
70													70
75													75
80													80
85													85
90													90
91	67.7	304.3	60,900										91
95	65.9	302.5	57,600										95
100	63.7	300.1	53,900										100
105	61.4	297.4	50,600										105
110	59.0	294.5	47,600										110
115	56.5	291.3	44,800										115
116	56.0	290.6	44,300	63.0	295.9	39,900							116
120	54.0	287.8	42,400	61.1	293.7	38,100							120
125	51.5	283.9	40,100	58.7	290.8	36,100							125
130	48.8	279.6	38,000	56.3	287.5	34,200							130
135	46.0	274.9	36,100	53.8	283.9	32,400							135
140	43.0	269.8	34,300	51.2	280.0	30,800							140
141	42.4	268.6	34,000	50.6	279.2	30,500	57.8	284.9	27,000				141
145	39.9	264.0	32,700	48.5	275.7	29,300	55.8	282.2	25,900				145
150	36.5	257.5	31,200	45.6	271.0	27,900	53.3	278.6	24,700				150
153	34.3	253.1	30,300	43.8	267.8	27,100	51.7	276.2	23,900				153
155	32.9	250.1	29,700	42.7	265.7	26,600	50.7	274.6	23,500				155
159	29.7	243.3	28,600	40.1	261.1	25,600	48.5	271.1	22,600				159
160	28.8	241.6	28,400	39.5	259.9	25,300	47.9	270.2	22,400				160
165	24.2	231.3	27,100	36.1	253.3	24,200	45.1	265.4	21,300	52.6	271.7	18,500	165
167	21.8	226.1	26,600	34.7	250.3	23,800	43.9	263.3	20,900	51.5	270.1	18,100	167
170	18.4	218.1	25,900	32.5	245.9	23,100	42.1	260.1	20,300	49.9	267.6	17,600	170
175	9.6	197.2	24,700	28.4	237.1	22,100	38.9	254.1	19,400	47.2	263.1	16,800	175
176	6.4	189.6	24,500	27.4	235.0	21,900	38.2	252.8	19,200	46.6	262.1	16,600	176
180				23.6	226.6	21,100	35.5	247.4	18,500	44.3	258.1	16,000	180
185				17.6	212.9	20,200	31.7	239.7	17,700	41.3	252.6	15,200	185
190				8.0	189.9	19,200	27.5	230.7	16,900	38.0	246.5	14,500	190
191				3.4	178.9	19,000	26.5	228.5	16,700	37.3	245.1	14,400	191
195							22.6	219.8	16,100	34.5	239.5	13,800	195
200							16.3	205.2	15,400	30.6	231.5	13,200	200
205							4.1	175.8	14,600	26.3	222.1	12,600	205
210										21.1	210.4	12,000	210
215										14.1	194.1	11,400	215
218										7.0	177.1	11,000	218

# MLC250 S-3

ASME B30.5



219,600 lb  
+  
80,000 lb

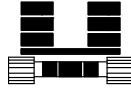


	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
51	75.9	323.2	53,000 b							51
55	74.3	322.1	52,400 b							55
60	72.3	320.5	51,300							60
62	71.5	319.8	50,500	73.9	321.4	59,000				62
65	70.3	318.8	49,400	72.7	320.4	59,000				65
70	68.2	316.8	49,000	70.7	318.7	59,000				70
75	66.2	314.7	47,900	68.6	316.8	58,900				75
78	64.9	313.3	47,300	67.4	315.5	57,200	71.0	318.1	59,000	78
80	64.0	312.3	46,800	66.5	314.7	56,100	70.2	317.3	59,000	80
85	61.9	309.7	44,900	64.4	312.4	53,400	68.1	315.4	59,000	85
90	59.7	306.8	42,300	62.3	309.8	50,600	66.1	313.2	59,000	90
95	57.4	303.7	39,700	60.1	307.0	47,900	63.9	310.8	58,800	95
100	55.1	300.3	37,400	57.9	303.9	45,200	61.8	308.2	56,900	100
105	52.8	296.6	35,200	55.6	300.6	42,600	59.6	305.4	53,400	105
110	50.3	292.6	33,100	53.2	296.9	40,100	57.3	302.2	50,200	110
115	47.8	288.2	31,300	50.8	293.0	37,800	55.0	298.8	47,400	115
120	45.1	283.3	29,400	48.2	288.6	35,600	52.6	295.1	44,800	120
121	44.5	282.3	29,100	47.7	287.7	35,200	52.1	294.3	44,300	121
125	42.3	278.0	27,800	45.6	283.9	33,700	50.2	291.0	42,400	125
130	39.4	272.1	26,300	42.8	278.6	31,800	47.6	286.6	40,200	130
135	36.2	265.5	25,000	39.9	272.9	29,900	45.0	281.7	38,200	135
140	32.8	258.1	23,800	36.8	266.4	28,400	42.2	276.4	36,300	140
145	29.0	249.6	22,800	33.4	259.2	26,900	39.2	270.5	34,600	145
146	28.1	247.6	22,700	32.7	257.5	26,700	38.6	269.1	34,300	146
150	24.7	239.5	22,000	29.7	250.9	25,700	36.0	263.9	33,000	150
155	19.5	226.9	21,400	25.5	241.1	24,600	32.6	256.4	31,500	155
160	12.3	208.8	21,100	20.6	229.1	23,800	28.8	247.8	29,900	160
163	3.4	185.5	21,100	16.6	219.1	23,500	26.2	241.7	29,100	163
165				13.9	212.5	23,300	24.5	237.6	28,500	165
169				2.7	183.3	22,500	20.3	227.4	27,600	169
170							19.2	224.9	27,400	170
171							17.8	221.1	27,200	171
175							11.9	206.3	26,300	175
177							7.0	193.6	25,100	177
180										180
185										185
186										186
190										190
195										195
200										200
201										201
210										210
215										215
220										220
228										228

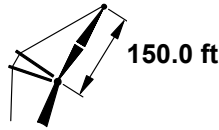
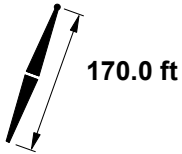


# MLC250 S-3

ASME B30.5



219,600 lb  
+  
80,000 lb



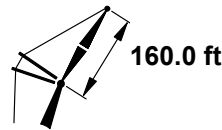
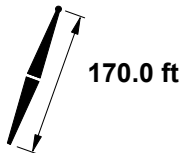
	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
51													51
55													55
60													60
62													62
65													65
70													70
75													75
78													78
80													80
85													85
90													90
95	67.6	313.4	57,400										95
100	65.6	311.2	53,700										100
105	63.4	308.8	50,400										105
110	61.3	306.1	47,400										110
115	59.0	303.2	44,700										115
120	56.8	300.0	42,200										120
121	56.3	299.3	41,700	62.8	304.6	37,500							121
125	54.5	296.5	39,900	61.0	302.4	35,900							125
130	52.1	292.7	37,800	58.8	299.4	34,000							130
135	49.6	288.6	35,900	56.5	296.2	32,200							135
140	47.0	284.0	34,200	54.2	292.7	30,600							140
145	44.3	279.0	32,500	51.8	288.9	29,100							145
146	43.7	277.9	32,200	51.3	288.0	28,800	57.9	293.6	25,500				146
150	41.5	273.6	31,000	49.3	284.7	27,700	56.1	290.9	24,500				150
155	38.5	267.5	29,600	46.7	280.1	26,400	53.8	287.4	23,300				155
160	35.2	260.7	28,300	44.0	275.1	25,200	51.3	283.5	22,200				160
163	33.1	256.1	27,500	42.3	271.7	24,500	49.8	280.9	21,500				163
165	31.7	253.0	27,000	41.1	269.5	24,000	48.8	279.2	21,100				165
169	28.6	245.9	26,100	38.7	264.6	23,200	46.7	275.5	20,400				169
170	27.8	244.1	25,800	38.1	263.4	23,000	46.2	274.5	20,200				170
171	26.9	241.9	25,600	37.5	262.0	22,800	45.7	273.5	20,000	52.6	279.7	17,200	171
175	23.3	233.4	24,700	34.9	256.5	22,000	43.5	269.4	19,200	50.7	276.5	16,600	175
177	21.1	227.9	24,300	33.4	253.3	21,600	42.3	267.2	18,900	49.6	274.7	16,300	177
180	17.7	219.7	23,600	31.3	248.7	21,000	40.6	263.8	18,400	48.1	272.1	15,800	180
185	9.2	198.0	22,600	27.4	239.6	20,100	37.5	257.5	17,500	45.5	267.3	15,100	185
186	6.2	190.1	22,400	26.4	237.4	19,900	36.9	256.1	17,400	44.9	266.3	14,900	186
190				22.8	228.6	19,200	34.2	250.5	16,800	42.7	262.1	14,400	190
195				17.0	214.4	18,400	30.6	242.5	16,000	39.8	256.3	13,700	195
200				7.7	190.6	17,500	26.6	233.1	15,300	36.7	249.8	13,000	200
201				3.3	179.1	17,300	25.5	230.4	15,200	35.9	248.2	12,900	201
210							15.7	206.6	14,000	29.6	234.2	11,900	210
215							3.9	176.0	13,200	25.3	224.3	11,300	215
220										20.3	212.2	10,700	220
228										6.7	177.6	9,700	228

# MLC250 S-3

ASME B30.5



219,600 lb  
+  
80,000 lb



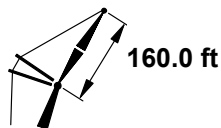
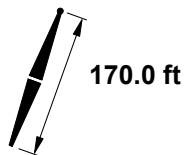
	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
54	75.7	332.7	48,600 b							54
55	75.3	332.4	48,500 b							55
60	73.5	331.0	47,700							60
65	71.6	329.4	46,700	73.8	330.9	55,800				65
70	69.7	327.6	45,700	71.9	329.3	55,400				70
75	67.7	325.6	44,800	70.0	327.5	54,800				75
80	65.8	323.4	43,800	68.1	325.6	53,400				80
82	65.0	322.4	43,500	67.3	324.7	52,400	70.7	327.2	54,400	82
85	63.8	321.0	42,900	66.1	323.4	51,000	69.6	326.1	54,400	85
90	61.8	318.4	40,800	64.2	321.1	48,600	67.7	324.1	54,400	90
95	59.7	315.5	38,500	62.2	318.5	46,200	65.7	321.9	54,200	95
98	58.4	313.6	37,200	60.9	316.8	44,700	64.5	320.5	54,000	98
100	57.6	312.4	36,300	60.1	315.7	43,800	63.7	319.5	53,900	100
105	55.4	309.0	34,200	58.0	312.6	41,400	61.7	316.9	52,600	105
110	53.2	305.4	32,300	55.9	309.3	39,100	59.6	314.0	49,700	110
115	50.9	301.4	30,500	53.6	305.7	36,900	57.5	310.9	46,900	115
120	48.6	297.1	28,800	51.4	301.8	34,900	55.3	307.5	44,300	120
125	46.1	292.5	27,100	49.0	297.6	33,000	53.1	303.9	41,900	125
130	43.6	287.3	25,700	46.6	293.0	31,100	50.8	299.9	39,700	130
135	40.9	281.7	24,400	44.1	287.9	29,600	48.5	295.6	37,700	135
140	38.0	275.6	23,200	41.4	282.4	27,900	46.0	290.9	35,900	140
145	35.0	268.7	22,000	38.6	276.4	26,400	43.5	285.7	34,200	145
150	31.7	261.0	21,100	35.6	269.6	25,100	40.8	280.1	32,600	150
152	30.2	257.4	20,800	34.3	266.6	24,600	39.6	277.6	32,000	152
155	28.1	252.1	20,300	32.3	262.1	23,900	37.9	273.9	31,100	155
160	23.9	241.6	19,600	28.8	253.4	22,900	34.9	267.0	29,700	160
165	18.9	228.5	19,200	24.7	243.3	22,000	31.5	259.2	28,100	165
170	11.9	209.8	19,100	19.9	230.8	21,300	27.9	250.3	26,800	170
173	3.2	185.7	19,100	16.0	220.5	21,100	25.4	243.9	26,100	173
175				13.5	213.6	20,900	23.7	239.7	25,700	175
177				8.0	198.6	20,400	21.7	234.4	25,300	177
179				2.6	183.5	19,800	19.6	229.1	24,900	179
180							18.6	226.5	24,700	180
185							11.5	207.3	23,800	185
187							6.7	194.1	22,200	187
190										190
195										195
196										196
200										200
210										210
211										211
220										220
225										225
230										230
238										238

# MLC250 S-3

ASME B30.5



219,600 lb  
+  
80,000 lb



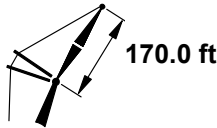
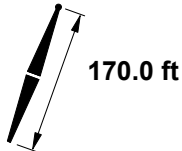
	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
54													54
55													55
60													60
65													65
70													70
75													75
80													80
82													82
85													85
90													90
95													95
98	68.0	323.0	54,600										98
100	67.2	322.2	53,200										100
105	65.2	319.9	49,800										105
110	63.2	317.5	46,800										110
115	61.2	314.8	44,100										115
120	59.1	311.8	41,700										120
125	57.0	308.7	39,400	63.0	313.8	35,300							125
130	54.8	305.2	37,300	61.0	311.1	33,400							130
135	52.6	301.5	35,400	58.9	308.1	31,600							135
140	50.3	297.4	33,700	56.7	304.9	30,000							140
145	47.9	293.0	32,000	54.6	301.4	28,500							145
150	45.4	288.2	30,500	52.3	297.6	27,100							150
152	44.4	286.1	30,000	51.4	296.0	26,600	57.6	301.6	23,400				152
155	42.8	283.0	29,100	50.0	293.6	25,900	56.4	299.6	22,700				155
160	40.1	277.2	27,800	47.6	289.1	24,600	54.2	296.1	21,600				160
165	37.2	270.9	26,500	45.1	284.3	23,500	51.9	292.3	20,500				165
170	34.1	263.8	25,400	42.5	279.0	22,400	49.6	288.1	19,600				170
173	32.0	259.0	24,700	40.9	275.5	21,800	48.1	285.4	19,000				173
175	30.7	255.7	24,300	39.8	273.1	21,400	47.2	283.6	18,700				175
177	29.2	252.0	23,900	38.6	270.6	21,100	46.2	281.6	18,300	52.6	287.7	15,600	177
179	27.7	248.3	23,400	37.4	268.0	20,700	45.2	279.7	18,000	51.7	286.1	15,300	179
180	26.9	246.5	23,200	36.8	266.7	20,500	44.7	278.7	17,800	51.3	285.3	15,200	180
185	22.6	235.4	22,200	33.7	259.5	19,600	42.0	273.3	17,000	48.9	281.1	14,400	185
187	20.4	229.7	21,900	32.3	256.3	19,300	40.9	270.9	16,700	47.9	279.2	14,200	187
190	17.2	221.2	21,300	30.3	251.4	18,700	39.2	267.4	16,200	46.5	276.4	13,700	190
195	8.9	198.8	20,300	26.5	241.9	17,900	36.3	260.8	15,500	43.9	271.4	13,100	195
196	6.0	190.6	20,100	25.6	239.6	17,800	35.6	259.3	15,300	43.4	270.3	12,900	196
200				22.0	230.6	17,200	33.1	253.5	14,800	41.3	265.9	12,400	200
210				7.4	191.2	15,600	25.7	235.4	13,500	35.4	253.0	11,100	210
211				3.2	179.4	15,500	24.6	232.6	13,400	34.7	251.4	11,000	211
220							15.2	207.9	12,300	28.6	236.7	10,000	220
225							3.8	176.3	11,600	24.5	226.5	9,400	225
230										19.7	213.9	8,900	230
238										6.5	178.2	8,000	238

# MLC250 S-3

ASME B30.5



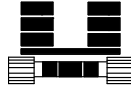
219,600 lb  
+  
80,000 lb



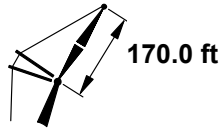
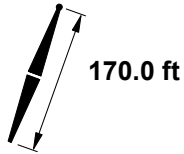
	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
56	75.9	342.5	44,800 b							56
60	74.5	341.4	44,400							60
65	72.7	339.9	43,600							65
68	71.6	338.9	43,100	73.7	340.4	51,400				68
70	70.9	338.2	42,800	73.0	339.8	51,200				70
75	69.1	336.4	41,300	71.2	338.2	50,900				75
80	67.3	334.3	41,100	69.5	336.3	50,300				80
85	65.5	332.1	40,300	67.6	334.3	48,700	70.8	336.8	49,900	85
90	63.6	329.7	39,400	65.8	332.1	46,500	69.0	334.9	49,900	90
95	61.7	327.0	37,300	63.9	329.7	44,500	67.2	332.9	49,900	95
100	59.7	324.2	35,300	62.0	327.1	42,300	65.4	330.6	49,700	100
102	58.9	322.9	34,500	61.2	326.0	41,500	64.6	329.6	49,600	102
105	57.8	321.1	33,400	60.1	324.3	40,200	63.5	328.2	49,500	105
110	55.7	317.7	31,500	58.1	321.3	38,100	61.6	325.5	48,500	110
115	53.6	314.1	29,800	56.1	318.0	36,100	59.6	322.7	46,400	115
120	51.5	310.3	28,300	54.0	314.4	34,200	57.7	319.6	43,900	120
125	49.3	306.1	26,700	51.9	310.6	32,400	55.6	316.2	41,500	125
130	47.0	301.5	25,300	49.7	306.5	30,700	53.6	312.6	39,400	130
135	44.7	296.6	23,900	47.5	302.0	29,000	51.4	308.7	37,400	135
140	42.2	291.2	22,700	45.1	297.1	27,600	49.2	304.5	35,500	140
145	39.6	285.4	21,600	42.7	291.9	26,100	46.9	299.9	33,800	145
150	36.9	278.9	20,600	40.1	286.1	24,700	44.6	295.0	32,200	150
155	33.9	271.8	19,700	37.4	279.8	23,600	42.1	289.6	30,700	155
157	32.6	268.5	19,400	36.2	277.0	23,100	41.0	287.2	30,200	157
160	30.7	263.7	18,900	34.5	272.7	22,400	39.5	283.7	29,300	160
165	27.2	254.5	18,200	31.3	264.9	21,500	36.7	277.2	28,000	165
170	23.2	243.7	17,600	27.9	255.9	20,600	33.8	270.0	26,700	170
175	18.3	230.1	17,300	23.9	245.4	19,800	30.6	262.0	25,300	175
180	11.6	210.8	17,300	19.3	232.5	19,300	27.0	252.7	24,200	180
183	3.1	186.0	17,100	15.5	221.9	19,100	24.6	246.1	23,600	183
185				13.1	214.8	19,000	23.0	241.7	23,200	185
189				2.5	183.7	17,400	19.0	230.8	22,600	189
190							18.0	228.0	22,500	190
195							11.1	208.2	21,300	195
197							6.5	194.6	19,600	197
200										200
205										205
206										206
210										210
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248										248

# MLC250 S-3

ASME B30.5



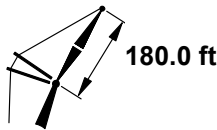
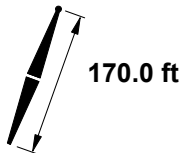
219,600 lb  
+  
80,000 lb



	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
56													56
60													60
65													65
68													68
70													70
75													75
80													80
85													85
90													90
95													95
100													100
102	67.9	332.2	51,400										102
105	66.8	330.9	49,400										105
110	64.9	328.6	46,400										110
115	63.0	326.1	43,700										115
120	61.1	323.4	41,300										120
125	59.2	320.5	39,000										125
130	57.2	317.4	36,900	62.8	322.4	33,000							130
135	55.1	313.9	35,000	60.9	319.7	31,200							135
140	53.0	310.3	33,300	58.9	316.8	29,600							140
145	50.9	306.3	31,700	56.9	313.6	28,100							145
150	48.7	302.0	30,100	54.9	310.1	26,700							150
155	46.4	297.3	28,700	52.8	306.4	25,400							155
157	45.4	295.3	28,200	51.9	304.8	25,000	57.8	310.3	21,800				157
160	44.0	292.3	27,400	50.6	302.4	24,200	56.6	308.3	21,100				160
165	41.5	286.8	26,200	48.4	298.1	23,100	54.5	304.8	20,100				165
170	38.8	280.8	25,000	46.1	293.4	22,100	52.4	301.1	19,100				170
175	36.0	274.1	23,900	43.7	288.3	21,100	50.2	297.0	18,200				175
180	33.0	266.7	22,900	41.2	282.7	20,100	48.0	292.6	17,400				180
183	31.0	261.7	22,300	39.6	279.1	19,600	46.6	289.7	16,900	52.7	295.7	14,200	183
185	29.7	258.4	21,900	38.5	276.7	19,200	45.7	287.8	16,600	51.8	294.1	13,900	185
189	26.8	250.7	21,200	36.3	271.3	18,500	43.7	283.7	16,000	50.1	290.8	13,300	189
190	26.1	248.8	21,000	35.7	269.9	18,400	43.2	282.7	15,800	49.6	290.0	13,100	190
195	21.9	237.3	20,100	32.7	262.5	17,600	40.7	277.0	15,100	47.4	285.5	12,400	195
197	19.8	231.4	19,800	31.3	259.1	17,300	39.6	274.5	14,800	46.4	283.5	12,200	197
200	16.6	222.6	19,200	29.3	254.0	16,800	38.0	270.8	14,400	45.0	280.6	11,800	200
205	8.6	199.5	18,400	25.6	244.2	16,100	35.2	264.0	13,700	42.6	275.3	11,100	205
206	5.8	191.1	18,200	24.8	241.8	15,900	34.5	262.5	13,600	42.0	274.2	11,000	206
210				21.3	232.4	15,400	32.1	256.3	13,100	40.0	269.5	10,500	210
220				7.2	191.8	14,000	24.9	237.6	11,900	34.3	256.1	9,400	220
221				3.1	179.6	13,800	23.9	234.7	11,800	33.7	254.4	9,300	221
230							14.7	209.1	10,800	27.7	239.2	8,300	230
235							3.6	176.6	10,200	23.8	228.6	7,800	235
240										19.1	215.6	7,300	240
248										6.3	178.7	6,500	248

# MLC250 S-3

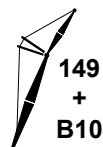
ASME B30.5



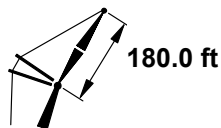
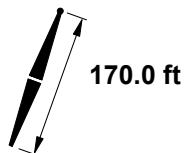
	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
58	76.0	352.3	41,300							58
60	75.3	351.8	41,100							60
65	73.7	350.4	40,600							65
70	72.0	348.8	39,800	74.0	350.3	47,200				70
75	70.3	347.1	39,100	72.3	348.7	46,900				75
80	68.6	345.1	38,400	70.6	347.0	46,600				80
85	66.9	343.1	37,700	68.9	345.1	46,100				85
88	65.9	341.7	37,200	67.9	343.9	45,000	70.9	346.3	45,700	88
90	65.2	340.8	37,000	67.2	343.1	44,300	70.3	345.6	45,700	90
95	63.4	338.3	35,900	65.5	340.8	42,500	68.5	343.7	45,700	95
100	61.6	335.7	34,100	63.7	338.4	40,600	66.8	341.6	45,600	100
105	59.7	332.8	32,300	61.9	335.8	38,700	65.1	339.3	45,500	105
106	59.4	332.2	32,000	61.5	335.2	38,400	64.7	338.8	45,400	106
110	57.9	329.8	30,600	60.1	333.0	36,900	63.3	336.9	45,300	110
115	56.0	326.4	29,000	58.2	329.9	35,100	61.5	334.2	44,500	115
120	54.0	322.9	27,500	56.3	326.7	33,400	59.7	331.3	42,800	120
125	52.0	319.1	26,000	54.4	323.2	31,600	57.8	328.2	41,000	125
130	50.0	315.0	24,800	52.4	319.4	30,000	55.9	324.9	38,900	130
134	48.2	311.4	23,700	50.7	316.2	28,800	54.3	322.1	37,300	134
135	47.8	310.5	23,500	50.3	315.3	28,500	53.9	321.4	36,900	135
140	45.6	305.7	22,300	48.2	311.0	27,000	51.9	317.5	35,100	140
145	43.3	300.6	21,100	46.0	306.3	25,700	49.9	313.4	33,300	145
150	40.9	295.0	20,100	43.8	301.2	24,500	47.7	309.0	31,800	150
155	38.4	288.9	19,200	41.4	295.7	23,300	45.5	304.2	30,300	155
160	35.8	282.1	18,400	38.9	289.6	22,000	43.2	299.0	28,900	160
162	34.6	279.2	18,100	37.8	287.0	21,600	42.3	296.7	28,400	162
165	32.9	274.7	17,600	36.3	283.0	21,100	40.8	293.3	27,600	165
170	29.8	266.4	16,900	33.5	275.8	20,100	38.3	287.2	26,300	170
175	26.4	256.8	16,400	30.4	267.6	19,300	35.6	280.5	25,200	175
180	22.5	245.6	16,000	27.1	258.3	18,600	32.8	273.0	24,100	180
189	12.3	215.1	15,700	19.6	236.6	17,600	26.9	256.8	22,100	189
190	11.2	211.7	15,600	18.7	234.1	17,500	26.2	255.0	21,900	190
193	3.0	186.2	14,800	13.3	217.4	16,700	23.6	247.4	21,400	193
199				2.4	183.8	15,100	18.4	232.1	20,500	199
200							17.5	229.6	20,300	200
207							6.3	195.2	17,100	207
210										210
216										216
220										220
230										230
231										231
240										240
245										245
250										250
255										255

# MLC250 S-3

ASME B30.5



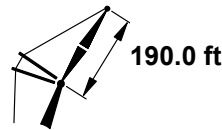
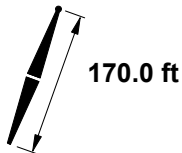
219,600 lb  
+  
80,000 lb



	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
58													58
60													60
65													65
70													70
75													75
80													80
85													85
88													88
90													90
95													95
100													100
105													105
106	67.8	341.4	48,200										106
110	66.4	339.6	45,900										110
115	64.6	337.3	43,200										115
120	62.9	334.8	40,700										120
125	61.1	332.1	38,500										125
130	59.2	329.2	36,400										130
134	57.7	326.7	34,900	63.0	331.6	31,000							134
135	57.3	326.0	34,500	62.7	331.1	30,600							135
140	55.4	322.7	32,800	60.8	328.4	29,000							140
145	53.4	319.0	31,200	59.0	325.4	27,500							145
150	51.4	315.1	29,600	57.1	322.3	26,200							150
155	49.3	310.9	28,200	55.2	318.9	24,900							155
160	47.2	306.4	26,900	53.2	315.2	23,700							160
162	46.3	304.4	26,400	52.4	313.6	23,200	57.9	319.0	20,100				162
165	45.0	301.5	25,700	51.2	311.3	22,600	56.8	317.0	19,500				165
170	42.7	296.2	24,500	49.1	307.0	21,500	54.8	313.6	18,500				170
175	40.2	290.5	23,500	47.0	302.5	20,500	52.9	309.8	17,600				175
180	37.7	284.2	22,400	44.7	297.5	19,600	50.8	305.9	16,800				180
189	32.6	271.1	20,700	40.4	287.5	18,000	47.0	297.8	15,400	52.7	303.7	12,400	189
190	32.0	269.6	20,500	40.0	286.4	17,900	46.5	296.9	15,200	52.3	302.9	12,300	190
193	30.0	264.0	20,000	38.4	282.4	17,400	45.2	293.8	14,800	51.0	300.4	11,900	193
199	26.0	252.9	19,000	35.2	274.4	16,500	42.4	287.6	14,000	48.5	295.3	11,000	199
200	25.3	251.0	18,800	34.6	273.1	16,300	42.0	286.5	13,800	48.1	294.5	10,900	200
207	18.9	232.1	17,700	30.3	261.5	15,300	38.4	277.9	12,900	45.0	287.6	10,000	207
210	16.1	224.0	17,300	28.5	256.5	14,900	36.9	274.2	12,600	43.7	284.6	9,700	210
216	5.6	191.5	16,300	23.8	243.2	14,100	33.4	265.1	11,900	40.7	277.7	9,000	216
220				20.7	234.3	13,600	31.1	259.1	11,400	38.8	273.1	8,500	220
230				7.0	192.4	12,400	24.2	239.7	10,200	33.3	259.1	7,500	230
231				3.0	179.8	12,200	23.2	236.8	10,100	32.7	257.4	7,400	231
240							14.3	210.4	9,100	26.9	241.6	6,600	240
245							3.5	176.9	8,500	23.1	230.6	6,100	245
250										18.5	217.2	5,600	250
255										12.3	198.5	5,200	255

# MLC250 S-3

ASME B30.5



	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
61	75.8	361.9	38,000							61
65	74.6	360.8	37,700							65
70	73.0	359.3	37,100							70
73	72.0	358.3	36,700	73.9	359.8	43,400				73
75	71.4	357.7	36,500	73.3	359.2	43,300				75
80	69.8	355.9	35,800	71.7	357.6	43,000				80
85	68.2	353.9	35,200	70.1	355.8	42,700				85
90	66.5	351.8	34,600	68.5	353.9	42,100				90
91	66.2	351.3	34,500	68.2	353.5	41,800	71.0	355.9	41,900	91
95	64.9	349.5	34,000	66.9	351.8	40,600	69.7	354.4	41,900	95
100	63.2	347.0	32,900	65.2	349.5	38,900	68.1	352.5	41,900	100
105	61.5	344.4	31,300	63.5	347.1	37,300	66.5	350.3	41,700	105
109	60.1	342.1	30,000	62.2	345.0	36,000	65.1	348.5	41,600	109
110	59.8	341.5	29,700	61.8	344.5	35,600	64.8	348.0	41,600	110
115	58.0	338.4	28,200	60.1	341.6	34,100	63.1	345.5	41,400	115
120	56.2	335.1	26,800	58.3	338.6	32,400	61.4	342.9	41,100	120
125	54.3	331.6	25,400	56.5	335.4	30,900	59.7	340.0	39,600	125
130	52.5	327.9	24,200	54.7	331.9	29,400	57.9	336.9	37,900	130
135	50.5	323.8	23,000	52.8	328.2	27,900	56.1	333.6	36,400	135
139	48.9	320.4	22,100	51.3	325.0	26,800	54.6	330.8	35,100	139
140	48.5	319.5	21,900	50.9	324.2	26,600	54.3	330.1	34,700	140
145	46.5	314.8	20,800	48.9	319.9	25,200	52.4	326.3	33,100	145
150	44.3	309.8	19,700	46.9	315.3	24,000	50.4	322.3	31,500	150
155	42.1	304.5	18,800	44.7	310.4	22,800	48.4	317.9	30,100	155
160	39.8	298.6	18,000	42.5	305.1	21,900	46.4	313.3	28,700	160
165	37.4	292.3	17,200	40.2	299.3	20,800	44.2	308.2	27,400	165
167	36.3	289.5	16,900	39.3	296.8	20,400	43.3	306.1	26,900	167
170	34.8	285.3	16,500	37.8	293.1	19,800	42.0	302.8	26,100	170
175	32.0	277.6	15,900	35.3	286.2	18,900	39.7	297.0	24,900	175
180	29.0	269.0	15,300	32.5	278.7	18,200	37.2	290.6	23,700	180
185	25.7	259.1	14,800	29.6	270.2	17,400	34.6	283.6	22,800	185
190	21.9	247.6	14,400	26.3	260.7	16,800	31.9	275.9	21,800	190
195	17.3	233.2	14,200	22.6	249.5	16,300	28.9	267.2	20,800	195
200	10.9	212.7	14,200	18.2	235.7	16,000	25.5	257.3	19,900	200
203	2.9	186.4	13,000	12.9	218.5	15,100	23.0	249.4	19,500	203
209				2.3	184.0	13,300	17.9	233.7	18,700	209
210							17.0	231.1	18,600	210
217							6.1	195.7	15,200	217
220										220
226										226
230										230
240										240
241										241
250										250
255										255

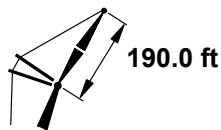
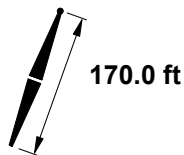


# MLC250 S-3

ASME B30.5



219,600 lb  
+  
80,000 lb



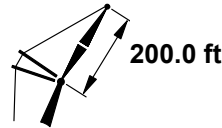
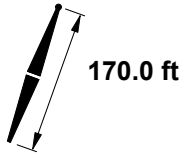
	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
61													61
65													65
70													70
73													73
75													75
80													80
85													85
90													90
91													91
95													95
100													100
105													105
109	68.0	350.9	44,100										109
110	67.7	350.5	44,100										110
115	66.1	348.4	42,900										115
120	64.4	346.0	40,500										120
125	62.7	343.5	38,300										125
130	61.0	340.8	36,200										130
135	59.3	337.8	34,300										135
139	57.8	335.3	32,900	62.9	340.3	29,100							139
140	57.5	334.7	32,600	62.5	339.8	28,800							140
145	55.7	331.4	30,900	60.8	337.0	27,300							145
150	53.8	327.8	29,400	59.1	334.1	25,900							150
155	51.9	323.9	28,000	57.3	330.9	24,700							155
160	49.9	319.8	26,700	55.5	327.6	23,500							160
165	47.9	315.4	25,500	53.6	323.9	22,300							165
167	47.1	313.5	25,000	52.8	322.4	21,900	58.0	327.6	18,900				167
170	45.9	310.6	24,300	51.7	320.1	21,300	56.9	325.7	18,300				170
175	43.7	305.5	23,300	49.7	315.9	20,300	55.1	322.3	17,400				175
180	41.5	300.0	22,200	47.7	311.5	19,400	53.2	318.6	16,600				180
185	39.1	294.0	21,300	45.6	306.7	18,500	51.3	314.7	15,800				185
190	36.6	287.5	20,300	43.5	301.5	17,700	49.4	310.5	15,000				190
195	34.0	280.4	19,500	41.2	296.0	16,900	47.3	306.0	14,300	52.7	311.7	11,200	195
200	31.2	272.4	18,700	38.8	289.9	16,100	45.2	301.1	13,600	50.8	307.7	10,600	200
203	29.2	266.6	18,200	37.3	285.8	15,700	43.9	297.9	13,200	49.6	305.0	10,200	203
209	25.3	255.1	17,300	34.2	277.5	14,900	41.2	291.3	12,500	47.2	299.7	9,500	209
210	24.6	253.2	17,100	33.7	276.1	14,700	40.8	290.3	12,300	46.8	298.8	9,300	210
217	18.4	233.7	16,100	29.5	264.1	13,800	37.3	281.3	11,500	43.7	291.6	8,500	217
220	15.7	225.4	15,700	27.7	259.0	13,400	35.9	277.4	11,100	42.4	288.5	8,200	220
226	5.5	192.0	14,800	23.2	245.2	12,700	32.5	268.1	10,400	39.6	281.3	7,600	226
230				20.1	236.0	12,300	30.3	261.8	9,900	37.7	276.5	7,200	230
240				6.8	192.9	11,100	23.5	241.8	8,900	32.4	262.0	6,300	240
241				2.9	180.0	11,000	22.6	238.8	8,800	31.8	260.2	6,200	241
250							13.9	211.6	7,800	26.2	243.9	5,400	250
255							3.4	177.1	7,300				255

# MLC250 S-3

ASME B30.5



219,600 lb  
+  
80,000 lb



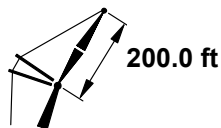
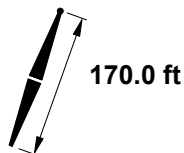
	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
63	76.0	371.7	34,900							63
65	75.4	371.2	34,800							65
70	73.9	369.8	34,500							70
75	72.4	368.2	33,900							75
76	72.1	367.9	33,800	73.8	369.4	39,800				76
80	70.9	366.5	33,400	72.6	368.1	39,500				80
85	69.3	364.7	32,800	71.1	366.5	39,300				85
90	67.8	362.7	32,300	69.6	364.6	39,000				90
95	66.2	360.5	31,800	68.1	362.7	38,400	70.8	365.1	38,300	95
100	64.6	358.2	31,200	66.5	360.5	37,100	69.3	363.2	38,200	100
105	63.0	355.7	30,100	64.9	358.2	35,600	67.7	361.2	38,200	105
110	61.4	353.0	28,700	63.3	355.8	34,200	66.2	359.0	38,000	110
113	60.4	351.3	27,900	62.4	354.2	33,400	65.2	357.6	38,000	113
115	59.8	350.2	27,400	61.7	353.1	32,800	64.6	356.7	37,900	115
120	58.1	347.1	26,000	60.1	350.3	31,400	63.0	354.2	37,800	120
125	56.4	343.8	24,700	58.4	347.3	30,000	61.3	351.5	37,600	125
130	54.6	340.3	23,600	56.7	344.1	28,600	59.7	348.7	36,500	130
135	52.9	336.6	22,400	55.0	340.6	27,200	58.0	345.6	35,100	135
140	51.0	332.7	21,300	53.2	336.9	25,900	56.3	342.3	33,700	140
143	49.9	330.1	20,700	52.1	334.6	25,200	55.3	340.2	32,900	143
145	49.1	328.4	20,300	51.4	333.0	24,700	54.6	338.8	32,400	145
150	47.2	323.9	19,400	49.5	328.8	23,500	52.8	335.1	31,000	150
155	45.2	319.0	18,500	47.6	324.4	22,500	50.9	331.1	29,600	155
160	43.1	313.8	17,600	45.6	319.6	21,400	49.1	326.9	28,200	160
165	41.0	308.2	16,800	43.5	314.4	20,400	47.1	322.3	26,900	165
170	38.7	302.1	16,100	41.4	308.9	19,500	45.1	317.4	25,700	170
173	37.3	298.2	15,700	40.1	305.3	19,000	43.9	314.3	25,100	173
175	36.4	295.5	15,400	39.2	302.9	18,700	43.0	312.2	24,600	175
180	33.9	288.3	14,800	36.8	296.4	17,800	40.9	306.6	23,500	180
185	31.2	280.4	14,300	34.3	289.3	17,100	38.6	300.5	22,500	185
190	28.2	271.5	13,800	31.7	281.5	16,400	36.3	293.9	21,500	190
200	21.3	249.4	13,100	25.6	262.9	15,300	31.0	278.6	19,800	200
201	20.2	245.8	13,100	24.8	260.4	15,200	30.4	276.7	19,600	201
210	10.6	213.6	13,000	17.7	237.3	14,600	24.8	259.5	18,200	210
213	2.8	186.6	11,100	12.6	219.6	13,500	22.4	251.4	17,700	213
219				2.3	184.2	11,400	17.4	235.2	16,800	219
220							16.6	232.5	16,700	220
227							6.0	196.2	13,100	227
230										230
236										236
240										240
250										250
251										251
260										260
265										265

# MLC250 S-3

ASME B30.5



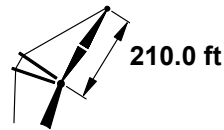
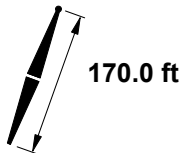
219,600 lb  
+  
80,000 lb



	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
63													63
65													65
70													70
75													75
76													76
80													80
85													85
90													90
95													95
100													100
105													105
110													110
113	68.0	360.1	40,200										113
115	67.3	359.3	40,200										115
120	65.8	357.1	40,000										120
125	64.2	354.7	37,700										125
130	62.6	352.1	35,700										130
135	60.9	349.4	33,800										135
140	59.3	346.5	32,000										140
143	58.3	344.6	31,100	63.0	349.5	27,300							143
145	57.6	343.4	30,400	62.4	348.4	26,700							145
150	55.9	340.1	28,900	60.8	345.7	25,400							150
155	54.1	336.5	27,500	59.1	342.8	24,100							155
160	52.3	332.7	26,200	57.4	339.6	22,900							160
165	50.5	328.7	25,000	55.7	336.3	21,800							165
170	48.6	324.4	23,900	53.9	332.7	20,700							170
173	47.4	321.6	23,200	52.8	330.4	20,200	57.8	335.7	17,200				173
175	46.6	319.7	22,800	52.1	328.9	19,800	57.1	334.4	16,800				175
180	44.6	314.8	21,800	50.3	324.8	18,800	55.4	331.0	16,000				180
185	42.5	309.5	20,800	48.4	320.4	18,000	53.6	327.4	15,200				185
190	40.4	303.7	19,900	46.4	315.8	17,100	51.8	323.5	14,400				190
200	35.7	290.7	18,200	42.3	305.4	15,600	48.0	315.0	12,900				200
201	35.1	289.2	18,100	41.8	304.2	15,500	47.6	314.0	12,800	52.7	319.7	9,600	201
210	30.3	275.1	16,700	37.8	293.4	14,200	44.0	305.2	11,500	49.4	312.3	8,500	210
213	28.4	269.2	16,300	36.3	289.1	13,800	42.7	301.8	11,200	48.2	309.5	8,200	213
219	24.6	257.3	15,400	33.3	280.5	13,100	40.1	295.0	10,400	45.9	304.0	7,500	219
220	24.0	255.3	15,300	32.8	279.0	13,000	39.7	293.9	10,300	45.5	303.0	7,400	220
227	17.9	235.3	14,400	28.7	266.7	12,200	36.3	284.6	9,500	42.6	295.5	6,700	227
230	15.3	226.7	14,000	27.0	261.4	11,800	34.9	280.6	9,200	41.3	292.3	6,400	230
236	5.3	192.4	13,200	22.6	247.2	11,200	31.7	270.9	8,500	38.5	284.8	5,800	236
240				19.6	237.7	10,700	29.5	264.5	8,100	36.7	279.8	5,500	240
250				6.6	193.5	9,700	22.9	243.8	7,100				250
251				2.8	180.2	9,600	22.0	240.7	7,100				251
260							13.5	212.7	6,200				260
265							3.3	177.4	5,700				265

# MLC250 S-3

ASME B30.5



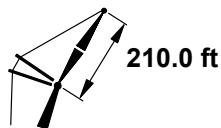
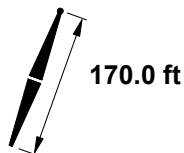
	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
66	75.8	381.3	32,100							66
70	74.7	380.2	31,900							70
75	73.2	378.7	31,600							75
79	72.1	377.4	31,200	73.8	378.9	36,500				79
80	71.8	377.1	31,100	73.5	378.6	36,500				80
85	70.4	375.3	30,600	72.1	377.0	36,200				85
90	68.9	373.5	30,100	70.6	375.3	36,000				90
95	67.4	371.4	29,700	69.2	373.4	35,800				95
98	66.5	370.1	29,400	68.3	372.2	35,500	70.9	374.6	35,000	98
100	65.9	369.2	29,200	67.7	371.4	35,300	70.3	373.9	35,000	100
105	64.4	366.9	28,800	66.2	369.2	34,100	68.8	372.0	34,900	105
110	62.9	364.4	27,700	64.7	366.9	32,800	67.4	370.0	34,800	110
115	61.4	361.7	26,500	63.2	364.4	31,500	65.9	367.8	34,700	115
117	60.7	360.5	26,000	62.6	363.4	31,000	65.3	366.8	34,600	117
120	59.8	358.8	25,300	61.6	361.8	30,200	64.4	365.4	34,600	120
125	58.2	355.8	24,100	60.1	359.0	29,000	62.8	362.9	34,500	125
130	56.6	352.5	22,900	58.5	356.0	27,800	61.3	360.2	34,300	130
135	54.9	349.1	21,900	56.9	352.7	26,600	59.7	357.3	33,800	135
140	53.2	345.4	20,900	55.2	349.3	25,300	58.1	354.3	32,600	140
145	51.5	341.5	19,900	53.5	345.7	24,200	56.5	351.0	31,400	145
148	50.4	339.0	19,300	52.5	343.4	23,600	55.5	348.9	30,600	148
150	49.7	337.3	19,000	51.8	341.8	23,100	54.8	347.5	30,100	150
155	47.9	332.9	18,200	50.0	337.7	22,100	53.1	343.9	29,000	155
160	46.0	328.2	17,300	48.2	333.3	21,100	51.4	339.9	27,800	160
165	44.1	323.1	16,600	46.4	328.7	20,100	49.6	335.8	26,600	165
170	42.0	317.7	15,800	44.4	323.7	19,200	47.8	331.3	25,400	170
175	40.0	311.9	15,100	42.4	318.3	18,300	45.9	326.6	24,200	175
178	38.6	308.1	14,700	41.2	314.9	17,900	44.7	323.5	23,600	178
180	37.8	305.6	14,500	40.3	312.6	17,700	44.0	321.5	23,200	180
190	33.0	291.3	13,400	35.9	299.7	16,200	39.9	310.2	21,200	190
200	27.5	273.9	12,600	30.9	284.3	14,900	35.3	297.1	19,400	200
207	22.8	258.0	12,200	26.8	270.9	14,200	31.8	286.0	18,300	207
210	20.8	251.2	12,000	25.0	265.1	13,900	30.3	281.3	17,800	210
220	10.3	214.4	11,500	17.3	238.8	13,400	24.2	261.6	16,300	220
223	2.8	186.8	9,300	12.3	220.6	12,100	21.8	253.3	15,700	223
229				2.2	184.3	9,600	17.0	236.7	14,700	229
230							16.2	233.9	14,500	230
235							10.0	211.8	12,500	235
237							5.8	196.7	11,300	237
240										240
246										246
250										250
260										260
261										261
265										265

# MLC250 S-3

ASME B30.5



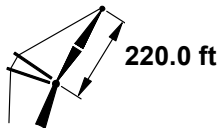
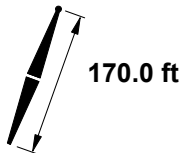
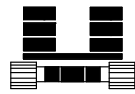
219,600 lb  
+  
80,000 lb



	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
66													66
70													70
75													75
79													79
80													80
85													85
90													90
95													95
98													98
100													100
105													105
110													110
115													115
117	67.9	369.3	36,700										117
120	67.0	368.0	36,700										120
125	65.5	365.8	36,700										125
130	64.0	363.4	35,300										130
135	62.5	360.8	33,400										135
140	60.9	358.1	31,600										140
145	59.3	355.2	30,000										145
148	58.4	353.3	29,100	62.9	358.2	25,500							148
150	57.7	352.1	28,500	62.3	357.1	24,900							150
155	56.1	348.8	27,100	60.7	354.4	23,700							155
160	54.4	345.2	25,800	59.1	351.4	22,500							160
165	52.7	341.5	24,600	57.5	348.3	21,400							165
170	51.0	337.5	23,500	55.9	345.0	20,300							170
175	49.2	333.3	22,400	54.2	341.4	19,400							175
178	48.1	330.6	21,800	53.2	339.2	18,800	57.9	344.3	15,800				178
180	47.3	328.8	21,400	52.5	337.7	18,400	57.2	343.1	15,400				180
190	43.5	318.8	19,500	49.0	329.4	16,700	53.9	336.1	13,800				190
200	39.3	307.3	17,800	45.2	320.0	15,200	50.4	328.2	12,300				200
207	36.1	297.9	16,800	42.4	312.4	14,200	47.9	322.0	11,300	52.8	327.7	8,200	207
210	34.8	293.9	16,300	41.2	309.2	13,800	46.8	319.3	10,900	51.7	325.4	7,800	210
220	29.6	277.8	14,900	36.9	296.7	12,600	42.9	309.1	9,700	48.1	316.8	6,800	220
223	27.7	271.6	14,600	35.4	292.3	12,200	41.6	305.6	9,400	47.0	313.9	6,500	223
229	24.0	259.4	13,800	32.5	283.4	11,600	39.1	298.6	8,700	44.7	308.1	5,900	229
230	23.4	257.4	13,700	32.0	281.9	11,400	38.7	297.4	8,600	44.3	307.1	5,800	230
235	19.6	244.4	13,100	29.3	273.3	10,900	36.4	290.8	8,100	42.3	301.8	5,300	235
237	17.7	237.9	12,800	28.1	269.5	10,700	35.5	287.9	7,900				237
240	14.9	228.0	12,500	26.3	263.7	10,300	34.0	283.6	7,600				240
246				22.0	249.1	9,700	30.9	273.7	7,000				246
250	5.2	192.8	11,700	19.1	239.4	9,200	28.8	267.0	6,600				250
260				6.4	194.0	8,200	22.3	245.8	5,700				260
261				2.7	180.4	8,100	21.5	243.0	5,600				261
265							18.3	232.0	5,300				265

# MLC250 S-3

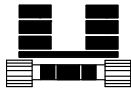
ASME B30.5



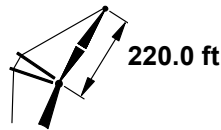
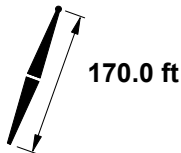
ft	88°			86°			83°			ft
	ft	lb	ft	ft	lb	ft	ft	lb	ft	
69	76.0	391.1	29,100							69
70	75.7	390.9	29,100							70
75	74.3	389.5	28,800							75
80	73.0	388.0	28,600							80
83	72.1	387.0	28,300	73.8	388.5	29,500				83
85	71.6	386.4	28,200	73.2	387.9	29,500				85
90	70.2	384.6	27,800	71.9	386.3	29,500				90
95	68.8	382.7	27,300	70.5	384.5	29,500				95
100	67.4	380.7	26,900	69.1	382.7	29,500				100
102	66.9	379.8	26,800	68.5	381.9	29,500	71.0	384.2	29,500	102
105	66.0	378.5	26,500	67.7	380.6	29,500	70.2	383.1	29,500	105
110	64.6	376.1	26,100	66.3	378.5	29,500	68.8	381.2	29,500	110
115	63.1	373.6	25,700	64.8	376.2	29,500	67.4	379.2	29,500	115
120	61.6	371.0	24,800	63.4	373.7	29,400	65.9	377.0	29,500	120
122	61.0	369.8	24,400	62.8	372.7	28,900	65.4	376.1	29,500	122
125	60.1	368.2	23,800	61.9	371.1	28,300	64.5	374.7	29,500	125
130	58.6	365.2	22,700	60.4	368.3	27,200	63.0	372.2	29,500	130
135	57.1	362.0	21,700	58.9	365.3	26,200	61.6	369.5	29,500	135
140	55.5	358.6	20,800	57.4	362.2	25,100	60.1	366.7	29,500	140
145	53.9	355.0	19,800	55.8	358.8	24,000	58.6	363.7	29,500	145
150	52.3	351.2	18,900	54.2	355.3	23,000	57.0	360.5	29,500	150
154	50.9	348.0	18,200	52.9	352.3	22,200	55.7	357.7	28,700	154
155	50.6	347.2	18,000	52.6	351.5	22,000	55.4	357.1	28,500	155
160	48.9	342.9	17,300	50.9	347.5	21,100	53.8	353.5	27,400	160
165	47.1	338.3	16,500	49.2	343.3	20,200	52.2	349.7	26,200	165
170	45.3	333.5	15,900	47.5	338.8	19,300	50.5	345.6	25,000	170
175	43.4	328.3	15,100	45.6	334.0	18,400	48.8	341.3	23,900	175
180	41.5	322.8	14,500	43.8	328.9	17,700	47.0	336.8	22,800	180
184	39.9	318.0	14,000	42.2	324.5	17,100	45.6	332.9	22,000	184
185	39.5	316.9	13,800	41.9	323.4	16,900	45.2	331.9	21,800	185
190	37.4	310.5	13,300	39.9	317.6	16,200	43.3	326.7	20,800	190
195	35.1	303.6	12,800	37.8	311.3	15,600	41.4	321.2	19,900	195
200	32.8	296.1	12,400	35.6	304.5	15,000	39.4	315.2	19,100	200
205	30.3	287.8	11,900	33.2	297.1	14,400	37.3	308.8	18,300	205
210	27.6	278.6	11,600	30.8	289.0	13,800	35.0	301.9	17,500	210
220	21.2	256.2	11,100	25.1	269.9	12,900	30.2	286.0	15,500	220
230	11.8	221.6	9,700	17.9	244.1	10,900	24.4	266.4	13,100	230
234	3.6	190.5	7,900	12.0	221.9	9,900	21.4	255.5	12,300	234
240				3.2	188.6	8,300	16.9	239.3	11,100	240
249							2.3	184.0	8,700	249
250										250
257										257
260										260
270										270
272										272

# MLC250 S-3

ASME B30.5



219,600 lb  
+  
80,000 lb



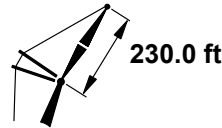
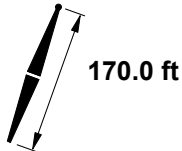
	80°			75°			70°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
69										69
70										70
75										75
80										80
83										83
85										85
90										90
95										95
100										100
102										102
105										105
110										110
115										115
120										120
122	67.9	378.5	29,500							122
125	67.0	377.2	29,500							125
130	65.6	375.0	29,500							130
135	64.2	372.6	29,500							135
140	62.7	370.1	29,500							140
145	61.2	367.4	29,500							145
150	59.7	364.5	28,100							150
154	58.5	362.1	27,000	62.8	366.9	23,500				154
155	58.2	361.5	26,700	62.5	366.4	23,200				155
160	56.6	358.2	25,400	61.0	363.7	22,000				160
165	55.1	354.8	24,200	59.5	360.8	20,900				165
170	53.4	351.1	23,100	58.0	357.7	19,900				170
175	51.8	347.3	22,000	56.5	354.4	18,900				175
180	50.1	343.2	21,000	54.9	351.0	18,000				180
184	48.7	339.7	20,200	53.6	348.1	17,300	58.0	353.1	14,000	184
185	48.4	338.8	20,000	53.3	347.3	17,100	57.7	352.5	13,800	185
190	46.6	334.2	19,100	51.6	343.4	16,300	56.2	349.2	13,000	190
195	44.8	329.2	18,300	49.9	339.3	15,500	54.6	345.7	12,300	195
200	42.9	324.0	17,400	48.2	334.9	14,800	53.0	342.0	11,600	200
205	40.9	318.3	16,700	46.4	330.2	14,100	51.3	338.0	10,900	205
210	38.9	312.3	15,900	44.6	325.3	13,400	49.6	333.9	10,200	210
220	34.5	298.7	14,600	40.7	314.3	12,100	46.1	324.7	9,000	220
230	29.5	282.5	13,300	36.5	301.6	10,900	42.3	314.3	7,900	230
234	27.2	274.3	12,800	34.6	295.6	10,400	40.7	309.5	7,500	234
240	23.6	262.2	12,200	31.8	286.6	9,700	38.3	302.3	6,900	240
249	16.5	236.5	11,200	26.9	270.2	8,800	34.2	289.8	6,000	249
250	15.7	233.7	11,100	26.4	268.4	8,600	33.8	288.4	5,900	250
257	5.5	195.2	10,000	21.6	251.6	7,900	30.2	276.7	5,300	257
260				19.6	244.5	7,600	28.7	271.7	5,100	260
270				8.7	203.8	6,700				270
272				3.5	184.1	6,500				272

# MLC250 S-3

ASME B30.5



219,600 lb  
+  
80,000 lb



	88°			86°			83°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
72	75.8	400.7	27,000						72	
75	75.0	399.9	26,800						75	
80	73.7	398.4	26,400						80	
85	72.4	396.9	26,000	74.0	398.3	29,500			85	
90	71.1	395.2	25,600	72.7	396.8	29,500			90	
95	69.8	393.4	25,200	71.4	395.1	29,500			95	
100	68.5	391.5	24,800	70.0	393.4	29,500			100	
105	67.1	389.4	24,400	68.7	391.4	29,500			105	
106	66.8	388.9	24,300	68.4	391.0	29,500	70.8	393.4	29,500	
110	65.8	387.2	24,000	67.4	389.4	29,500	69.7	392.0	29,400	
115	64.4	384.8	23,700	66.0	387.2	28,600	68.4	390.0	29,300	
120	63.0	382.3	23,300	64.6	384.9	27,700	67.1	387.9	29,200	
125	61.6	379.6	22,600	63.2	382.4	26,700	65.7	385.7	29,100	
126	61.3	379.1	22,400	63.0	381.9	26,500	65.4	385.2	29,100	
130	60.1	376.8	21,600	61.8	379.8	25,700	64.3	383.3	29,000	
135	58.7	373.8	20,700	60.4	377.0	24,800	62.9	380.8	28,900	
140	57.2	370.7	19,800	59.0	374.0	23,800	61.5	378.2	28,800	
145	55.7	367.3	19,000	57.5	370.9	22,900	60.1	375.3	28,600	
150	54.2	363.7	18,200	56.0	367.5	22,000	58.6	372.3	28,000	
155	52.6	360.0	17,400	54.5	364.0	21,100	57.1	369.1	27,000	
158	51.7	357.6	16,900	53.5	361.8	20,500	56.2	367.1	26,500	
160	51.0	356.0	16,600	52.9	360.3	20,200	55.6	365.8	26,100	
165	49.4	351.8	15,900	51.3	356.4	19,400	54.1	362.2	25,200	
170	47.7	347.3	15,200	49.7	352.2	18,600	52.6	358.5	24,200	
175	46.0	342.6	14,600	48.0	347.8	17,900	51.0	354.5	23,300	
180	44.3	337.6	14,000	46.3	343.1	17,100	49.3	350.2	22,400	
185	42.4	332.2	13,400	44.6	338.1	16,400	47.7	345.8	21,500	
190	40.5	326.5	12,900	42.8	332.8	15,700	45.9	341.0	20,500	
195	38.6	320.4	12,400	40.9	327.2	15,100	44.2	336.0	19,600	
200	36.5	313.8	12,000	38.9	321.1	14,500	42.3	330.6	18,800	
205	34.3	306.7	11,500	36.9	314.6	13,900	40.4	324.9	18,000	
210	32.0	298.9	11,100	34.7	307.6	13,400	38.5	318.7	17,200	
215	29.6	290.4	10,800	32.5	300.0	12,900	36.4	312.1	16,400	
220	26.9	281.0	10,500	30.1	291.7	12,500	34.2	305.0	15,600	
230	20.7	258.0	9,900	24.6	272.0	11,700	29.5	288.7	14,000	
240	11.5	222.5	8,600	17.5	245.6	10,400	23.9	268.5	12,500	
244	3.5	190.7	6,400	11.8	222.9	9,000	20.9	257.4	12,000	
250				3.1	188.8	6,800	16.5	240.8	11,100	
255							11.2	220.0	9,500	
259							2.2	184.1	7,100	
260									260	
267									267	
270									270	
280									280	
282									282	

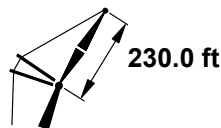
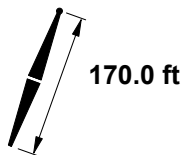


# MLC250 S-3

ASME B30.5



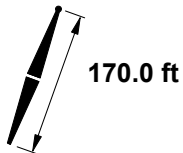
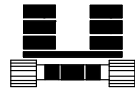
219,600 lb  
+  
80,000 lb



	80°			75°			70°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
72										72
75										75
80										80
85										85
90										90
95										95
100										100
105										105
106										106
110										110
115										115
120										120
125										125
126	67.8	387.7	29,500							126
130	66.7	386.0	29,500							130
135	65.4	383.7	29,500							135
140	64.0	381.3	29,500							140
145	62.6	378.8	29,300							145
150	61.2	376.1	27,800							150
155	59.7	373.2	26,400							155
158	58.8	371.3	25,600	63.0	376.1	22,200				158
160	58.3	370.1	25,100	62.4	375.1	21,700				160
165	56.8	366.9	23,900	61.0	372.3	20,600				165
170	55.3	363.5	22,800	59.6	369.4	19,600				170
175	53.7	359.9	21,700	58.1	366.4	18,600				175
180	52.2	356.1	20,700	56.6	363.1	17,700				180
185	50.6	352.0	19,700	55.1	359.7	16,800				185
190	48.9	347.7	18,800	53.6	356.1	16,000	57.8	361.2	12,500	190
195	47.2	343.2	18,000	52.0	352.2	15,200	56.3	357.9	11,800	195
200	45.5	338.4	17,100	50.4	348.2	14,500	54.8	354.4	11,100	200
205	43.7	333.3	16,400	48.7	343.8	13,700	53.3	350.7	10,400	205
210	41.9	327.8	15,600	47.1	339.3	13,000	51.7	346.9	9,800	210
215	40.0	322.0	14,900	45.3	334.4	12,300	50.1	342.7	9,100	215
220	38.0	315.7	14,300	43.5	329.3	11,700	48.4	338.4	8,500	220
230	33.7	301.7	13,000	39.8	317.9	10,400	45.0	328.9	7,400	230
240	28.8	285.0	11,900	35.7	304.8	9,300	41.3	318.1	6,400	240
244	26.5	276.7	11,500	33.8	298.6	8,900	39.7	313.1	6,100	244
250	23.1	264.2	10,800	31.1	289.4	8,200	37.4	305.7	5,500	250
255	19.6	251.2	10,300	28.5	280.6	7,700	35.3	298.9	5,100	255
259	16.2	238.2	9,900	26.3	272.7	7,300				259
260	15.4	235.0	9,800	25.8	270.7	7,300				260
267	5.4	195.6	8,500	21.2	253.5	6,600				267
270				19.2	246.1	6,300				270
280				8.5	204.6	5,400				280
282				3.5	184.4	5,200				282

# MLC250 S-3

ASME B30.5



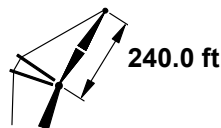
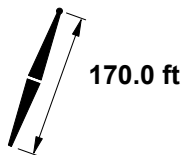
	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
74	75.9	410.5	24,700							74
75	75.7	410.2	24,700							75
80	74.4	408.9	24,500							80
85	73.2	407.4	24,200							85
88	72.4	406.4	24,000	73.9	407.9	28,000				88
90	71.9	405.8	23,800	73.4	407.3	27,900				90
95	70.7	404.1	23,500	72.2	405.7	27,700				95
100	69.4	402.2	23,100	70.9	404.0	27,500				100
105	68.1	400.2	22,700	69.6	402.2	27,300				105
109	67.1	398.5	22,500	68.6	400.6	27,200	70.9	403.0	26,800	109
110	66.8	398.1	22,400	68.4	400.2	27,100	70.6	402.6	26,800	110
115	65.5	395.9	22,100	67.1	398.1	26,900	69.3	400.8	26,700	115
120	64.2	393.5	21,700	65.8	395.9	26,200	68.1	398.8	26,600	120
125	62.9	391.0	21,400	64.4	393.6	25,400	66.8	396.7	26,500	125
129	61.8	388.8	20,900	63.4	391.6	24,700	65.7	394.9	26,400	129
130	61.5	388.3	20,700	63.1	391.1	24,500	65.5	394.4	26,400	130
135	60.1	385.5	19,900	61.8	388.4	23,700	64.1	392.0	26,200	135
140	58.7	382.5	19,100	60.4	385.6	22,800	62.8	389.5	26,100	140
145	57.3	379.3	18,300	59.0	382.7	22,000	61.4	386.8	26,000	145
150	55.9	376.0	17,500	57.6	379.5	21,100	60.1	384.0	25,800	150
155	54.4	372.5	16,800	56.2	376.2	20,300	58.7	381.0	25,700	155
160	52.9	368.8	16,100	54.7	372.8	19,600	57.3	377.8	25,000	160
163	52.0	366.4	15,700	53.8	370.5	19,100	56.4	375.8	24,600	163
165	51.4	364.8	15,400	53.2	369.1	18,800	55.8	374.5	24,200	165
170	49.9	360.7	14,800	51.7	365.2	18,000	54.4	370.9	23,400	170
175	48.3	356.3	14,200	50.2	361.1	17,300	52.9	367.2	22,600	175
180	46.7	351.7	13,600	48.6	356.7	16,700	51.4	363.3	21,800	180
185	45.0	346.8	13,000	47.0	352.2	16,000	49.8	359.1	21,000	185
190	43.3	341.6	12,500	45.3	347.3	15,400	48.2	354.7	20,100	190
195	41.5	336.0	12,000	43.6	342.1	14,700	46.6	350.1	19,200	195
200	39.6	330.1	11,600	41.8	336.7	14,100	44.9	345.2	18,300	200
205	37.7	323.8	11,100	40.0	330.8	13,600	43.2	339.9	17,400	205
210	35.7	317.0	10,700	38.1	324.6	13,000	41.4	334.4	16,600	210
215	33.6	309.7	10,400	36.1	317.9	12,600	39.6	328.5	15,700	215
220	31.3	301.7	10,100	34.0	310.7	12,200	37.6	322.1	15,000	220
225	28.9	293.0	9,700	31.8	302.9	11,700	35.6	315.3	14,200	225
230	26.3	283.3	9,400	29.4	294.3	11,100	33.5	308.0	13,500	230
240	20.2	259.8	8,200	24.0	274.2	9,900	28.8	291.2	12,000	240
245	16.4	244.4	7,700	20.9	261.9	9,300	26.2	281.5	11,300	245
250	11.2	223.5	6,900	17.1	247.1	8,700	23.3	270.5	10,600	250
260				3.1	189.1	5,200	16.2	242.2	9,300	260
269							2.1	184.3	5,600	269
270										270
275										275
277										277

# MLC250 S-3

ASME B30.5



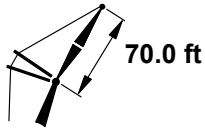
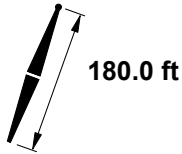
219,600 lb  
+  
80,000 lb



	80°			75°			70°			
	ft	ft	lb	ft	lb	ft	lb	ft		
74									74	
75									75	
80									80	
85									85	
88									88	
90									90	
95									95	
100									100	
105									105	
109									109	
110									110	
115									115	
120									120	
125									125	
129	68.0	397.3	28,100						129	
130	67.7	396.8	28,100						130	
135	66.4	394.7	28,100						135	
140	65.1	392.4	28,100						140	
145	63.8	390.0	28,100						145	
150	62.5	387.4	27,300						150	
155	61.1	384.7	25,900						155	
160	59.7	381.8	24,600						160	
163	58.9	380.0	23,900	62.9	384.8	20,500			163	
165	58.3	378.8	23,400	62.3	383.7	20,000			165	
170	56.9	375.6	22,300	61.0	381.0	19,000			170	
175	55.5	372.2	21,200	59.6	378.1	18,000			175	
180	54.0	368.6	20,200	58.2	375.0	17,100			180	
185	52.5	364.9	19,200	56.8	371.8	16,300			185	
190	51.0	360.9	18,300	55.3	368.4	15,400			190	
195	49.4	356.7	17,500	53.8	364.8	14,600	57.9	369.8	11,000	195
200	47.8	352.2	16,700	52.3	361.0	13,800	56.5	366.6	10,300	200
205	46.2	347.5	15,900	50.8	357.0	13,000	55.0	363.1	9,600	205
210	44.5	342.5	15,200	49.2	352.8	12,300	53.6	359.5	9,000	210
215	42.8	337.2	14,500	47.6	348.3	11,600	52.1	355.7	8,300	215
220	41.0	331.6	13,800	46.0	343.5	10,900	50.5	351.6	7,800	220
225	39.1	325.5	13,200	44.3	338.5	10,300	49.0	347.3	7,200	225
230	37.1	319.1	12,600	42.6	333.2	9,700	47.3	342.8	6,700	230
240	33.0	304.7	11,500	38.9	321.4	8,600	44.0	332.9	5,700	240
245	30.7	296.5	10,900	36.9	314.9	8,000	42.2	327.5	5,200	245
250	28.2	287.5	10,400	34.9	307.9	7,500				250
260	22.6	266.2	9,300	30.4	292.1	6,600				260
269	15.8	239.3	8,400	25.7	274.9	5,800				269
270	15.1	236.3	8,300	25.2	272.9	5,700				270
275	9.2	212.5	7,800	22.2	261.4	5,200				275
277	5.3	196.1	6,900							277

# MLC250 S-3

ASME B30.5



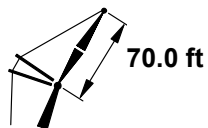
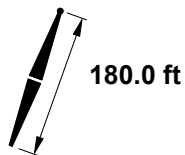
	88°			86°			83°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
34	74.1	255.0	98,000 d							34
36	72.3	254.3	96,600 d							36
38	70.6	253.6	95,300 d							38
40	68.8	252.8	93,900 d							40
41	67.9	252.4	93,200 d	73.4	254.3	113,300 d				41
45	64.4	250.5	90,500 b	70.0	252.9	110,600 d				45
50	59.7	247.8	87,300 b	65.5	250.8	107,000 b				50
54	55.7	245.1	85,000 b	61.8	248.6	103,200 b	70.3	252.0	109,500 d	54
55	54.7	244.4	84,500	60.9	248.1	102,300 b	69.4	251.6	108,400 d	55
60	49.5	240.4	81,500	56.0	244.9	96,800	64.9	249.4	103,100 b	60
65	43.7	235.5	75,200	50.9	241.1	89,900	60.3	246.7	97,900 b	65
66	42.5	234.2	74,200	49.7	240.1	88,500	59.3	246.1	96,900 b	66
70	37.3	229.4	69,800	45.3	236.4	82,800	55.4	243.4	92,600	70
75	29.7	221.5	65,500	39.0	230.7	76,700	50.2	239.5	84,900	75
80	19.4	210.0	62,900	31.8	223.3	71,500	44.5	234.7	78,300	80
83	8.2	196.7	60,300	26.2	217.2	69,200	40.7	231.2	74,800	83
85				22.4	213.1	67,700	38.2	228.8	72,500	85
87				16.1	205.7	66,000	35.2	225.8	70,500	87
89				9.8	198.2	64,200	32.2	222.7	68,400	89
90							30.7	221.2	67,400	90
95							21.0	210.4	62,900	95
99							5.2	191.6	59,500	99
100										100
105										105
107										107
108										108
110										110
115										115
120										120
123										123
125										125
127										127
130										130
135										135
138										138
140										140
145										145
150										150
153										153

# MLC250 S-3

ASME B30.5



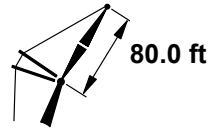
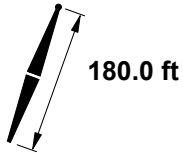
219,600 lb  
+  
80,000 lb



	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
34													34
36													36
38													38
40													40
41													41
45													45
50													50
54													54
55													55
60													60
65													65
66	67.9	249.4	94,900 c										66
70	64.3	247.6	88,100 b										70
75	59.6	244.8	80,800 b										75
80	54.7	241.4	74,500										80
83	51.5	239.0	71,200										83
85	49.4	237.4	69,000										85
87	47.1	235.4	67,100	62.7	243.1	61,300 b							87
89	44.8	233.4	65,100	60.8	241.9	59,600 b							89
90	43.7	232.5	64,200	59.9	241.4	58,700 b							90
95	37.2	226.4	59,900	55.0	238.0	54,800							95
99	31.1	220.0	56,900	50.8	234.8	52,000							99
100	29.6	218.5	56,100	49.7	234.0	51,300							100
105	19.2	206.9	52,600	44.0	229.2	48,200							105
107	11.6	197.8	51,300	41.5	226.8	47,100	57.9	235.2	42,700 b				107
108	7.8	193.3	50,600	40.2	225.6	46,500	56.9	234.5	42,200 b				108
110				37.6	223.2	45,400	54.9	233.1	41,100				110
115				30.1	215.4	42,800	49.6	229.1	38,800				115
120				20.0	204.1	40,400	43.9	224.2	36,700				120
123				9.6	191.8	38,900	40.1	220.6	35,500				123
125							37.5	218.1	34,700				125
127							34.5	215.0	34,000	52.2	224.9	30,500	127
130							29.9	210.3	32,900	49.0	222.4	29,500	130
135							19.7	199.0	31,100	43.2	217.4	28,000	135
138							9.1	186.4	30,100	39.3	213.7	27,100	138
140										36.7	211.2	26,600	140
145										28.9	203.1	25,200	145
150										18.2	191.0	24,000	150
153										4.5	174.5	23,100	153

# MLC250 S-3

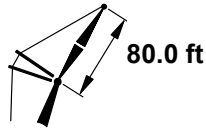
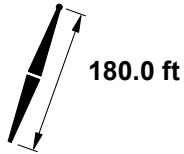
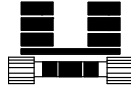
ASME B30.5



	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
35	75.4	265.1	90,000 d							35
36	74.6	264.8	89,500 d							36
38	73.1	264.2	88,400 d							38
40	71.6	263.5	87,200 d							40
44	68.5	261.9	84,900 d	73.3	263.9	103,100 d				44
45	67.8	261.6	84,300 b	72.6	263.5	102,600 d				45
50	63.8	259.2	81,500 b	68.8	261.7	99,700 b				50
55	59.7	256.4	78,900	64.8	259.4	96,800 b				55
57	58.0	255.1	78,000	63.2	258.4	95,100 b	70.6	261.6	101,100 c	57
60	55.4	253.1	76,600	60.8	256.8	92,600	68.3	260.4	99,500 b	60
65	50.9	249.3	71,900	56.5	253.6	85,900	64.3	258.1	94,800 b	65
70	46.0	244.7	66,500	52.1	249.9	79,700	60.2	255.4	90,200	70
75	40.7	239.2	61,700	47.3	245.5	73,600	56.0	252.2	84,400	75
80	34.8	232.5	57,600	42.1	240.3	68,200	51.5	248.4	77,800	80
85	27.6	224.0	54,500	36.4	234.0	63,600	46.7	243.9	72,100	85
90	18.0	211.5	52,600	29.6	226.0	59,600	41.4	238.5	67,100	90
92	11.1	202.0	52,600	26.1	221.6	58,500	39.1	235.9	65,300	92
93	7.6	197.3	52,600	24.4	219.3	57,900	37.9	234.6	64,400	93
95				20.9	214.9	56,800	35.6	232.0	62,600	95
99				9.1	199.0	56,000	30.0	225.4	59,400	99
100							28.6	223.8	58,600	100
105							19.5	212.1	55,000	105
109							4.8	191.9	52,300	109
110										110
113										113
115										115
118										118
120										120
125										125
130										130
133										133
135										135
140										140
145										145
148										148
150										150
155										155
160										160
163										163

# MLC250 S-3

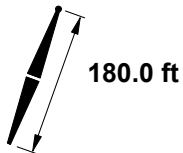
ASME B30.5



	80°		75°		70°		65°						
	ft	lb	ft	lb	ft	lb	ft	lb					
35									35				
36									36				
38									38				
40									40				
44									44				
45									45				
50									50				
55									55				
57									57				
60									60				
65									65				
70	67.7	258.6	87,500 b						70				
75	63.8	256.2	80,200 b						75				
80	59.7	253.5	73,900						80				
85	55.4	250.2	68,500						85				
90	50.8	246.3	63,700						90				
92	48.9	244.4	62,000	62.4	251.8	56,400			92				
93	47.9	243.5	61,200	61.5	251.2	55,700			93				
95	46.0	241.7	59,500	59.9	250.0	54,200			95				
99	41.7	237.3	56,400	56.5	247.4	51,400			99				
100	40.7	236.2	55,700	55.6	246.8	50,700			100				
105	34.7	229.5	52,300	51.1	242.9	47,600			105				
109	29.0	222.6	49,800	47.2	239.3	45,400			109				
110	27.6	220.9	49,200	46.3	238.4	44,800			110				
113	21.8	213.4	47,500	43.1	235.1	43,300	57.3	243.2	39,000	113			
115	17.9	208.4	46,400	41.0	233.0	42,300	55.6	241.8	38,200	115			
118	7.2	193.8	44,700	37.4	229.0	40,900	52.8	239.5	36,900	118			
120				35.0	226.3	40,000	51.0	237.9	36,000	120			
125				28.0	217.9	37,800	46.2	233.4	34,100	125			
130				18.6	205.7	35,800	40.9	228.0	32,300	130			
133				8.9	192.6	34,600	37.3	224.0	31,300	52.4	232.9	27,900	133
135							34.9	221.3	30,700	50.5	231.3	27,300	135
140							27.9	212.8	29,100	45.6	226.6	26,000	140
145							18.4	200.6	27,600	40.3	221.1	24,700	145
148							8.5	187.0	26,700	36.6	217.0	23,900	148
150										34.2	214.3	23,500	150
155										27.0	205.5	22,300	155
160										17.0	192.5	21,200	160
163										4.1	174.8	20,500	163

# MLC250 S-3

ASME B30.5

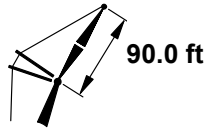
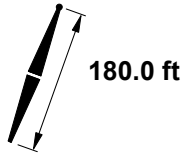
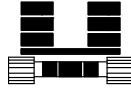


	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
37	75.7	274.9	82,600 d							37
38	75.1	274.6	82,100 d							38
40	73.7	274.0	81,200 d							40
45	70.4	272.3	78,600 c							45
46	69.7	271.9	78,100 c	73.9	273.7	94,800 d				46
50	66.9	270.3	75,900 b	71.2	272.4	93,100 b				50
55	63.4	267.9	73,500 b	67.8	270.4	90,700 b				55
60	59.7	265.1	71,300	64.3	268.1	88,200	70.8	271.1	92,800 b	60
65	55.9	261.8	69,400	60.7	265.4	82,600	67.4	269.1	91,400 b	65
70	52.0	258.1	64,100	56.9	262.3	76,800	63.9	266.8	87,800	70
74	48.6	254.6	60,300	53.8	259.4	72,500	60.9	264.6	84,600	74
75	47.8	253.7	59,400	53.0	258.7	71,400	60.2	264.0	83,800	75
80	43.2	248.7	55,200	48.9	254.5	66,400	56.4	260.9	77,600	80
85	38.3	242.7	51,600	44.4	249.6	61,400	52.5	257.2	71,800	85
90	32.7	235.5	48,400	39.6	243.9	57,200	48.3	252.9	66,800	90
95	26.0	226.3	46,000	34.2	237.1	53,600	43.8	248.0	62,400	95
96	24.2	223.6	45,700	32.9	235.3	53,000	42.8	246.8	61,600	96
100	16.9	213.0	44,600	27.8	228.5	50,600	38.9	242.1	58,500	100
103	7.1	197.8	44,600	22.9	221.4	49,300	35.6	237.9	56,300	103
105				19.6	216.6	48,400	33.4	235.1	54,900	105
109				8.5	199.6	47,900	28.2	227.9	52,400	109
110							26.9	226.2	51,700	110
115							18.4	213.7	48,800	115
118							7.9	197.6	47,000	118
119							4.4	192.2	46,500	119
120										120
125										125
128										128
130										130
135										135
139										139
140										140
143										143
145										145
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173										173



# MLC250 S-3

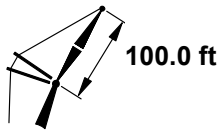
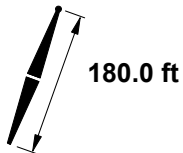
ASME B30.5



	80°			75°			70°			65°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
37													37
38													38
40													40
45													45
46													46
50													50
55													55
60													60
65													65
70													70
74	67.6	267.8	81,200 b										74
75	66.9	267.3	79,800 b										75
80	63.4	264.9	73,600										80
85	59.7	262.1	68,100										85
90	55.9	258.9	63,400										90
95	51.9	255.1	59,200										95
96	51.1	254.2	58,400	62.8	261.0	53,100							96
100	47.7	250.8	55,400	59.9	258.7	50,300							100
103	45.0	247.7	53,400	57.6	256.8	48,500							103
105	43.2	245.7	52,100	56.1	255.5	47,300							105
109	39.2	240.9	49,600	52.9	252.5	45,000							109
110	38.2	239.7	49,000	52.2	251.7	44,500							110
115	32.6	232.4	46,200	48.0	247.4	42,000							115
118	28.6	226.9	44,700	45.2	244.4	40,600	57.6	251.9	36,500				118
119	27.2	225.0	44,200	44.3	243.4	40,100	56.8	251.2	36,000				119
120	25.9	223.2	43,700	43.4	242.4	39,700	56.1	250.5	35,600				120
125	16.8	209.9	41,300	38.5	236.5	37,600	52.1	246.8	33,700				125
128	6.8	194.4	39,900	35.2	232.2	36,400	49.6	244.2	32,700				128
130				32.9	229.3	35,600	47.9	242.5	32,000				130
135				26.3	220.2	33,800	43.4	237.4	30,300				135
139				19.2	209.8	32,400	39.4	232.7	29,100	52.4	240.9	25,800	139
140				17.5	207.2	32,100	38.4	231.5	28,800	51.6	240.1	25,600	140
143				8.3	193.2	31,100	35.1	227.1	28,000	49.1	237.5	24,800	143
145							32.8	224.3	27,400	47.4	235.7	24,300	145
150							26.2	215.1	26,100	42.8	230.6	23,100	150
155							17.3	202.1	24,800	37.8	224.5	22,000	155
158							7.9	187.7	24,000	34.4	220.1	21,400	158
160										32.2	217.2	20,900	160
165										25.4	207.7	19,900	165
170										16.0	193.9	19,000	170
173										3.8	175.0	18,300	173

# MLC250 S-3

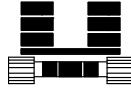
ASME B30.5



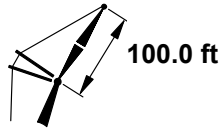
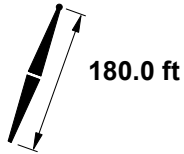
	88°			86°			83°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
39	76.0	284.7	75,700 d						39	
40	75.4	284.4	75,300 d						40	
45	72.4	282.9	73,200 c						45	
49	70.0	281.5	71,300 c	73.8	283.2	86,600 b			49	
50	69.4	281.1	70,800 b	73.2	282.9	86,300 b			50	
55	66.2	279.0	69,500 b	70.1	281.2	84,500 b			55	
60	63.1	276.6	66,500	67.0	279.2	82,500			60	
63	61.1	274.9	65,400	65.1	277.7	80,600	71.0	280.7	84,800 b	
65	59.8	273.7	64,700	63.9	276.8	79,200	69.8	279.9	84,600 b	
70	56.4	270.5	62,300	60.6	274.1	74,200	66.6	277.9	83,400	
75	52.8	266.9	57,800	57.2	271.0	69,300	63.5	275.5	80,600	
78	50.6	264.4	55,300	55.1	268.9	66,400	61.5	273.8	78,500	
80	49.1	262.7	53,600	53.7	267.5	64,500	60.2	272.7	77,000	
85	45.1	258.0	49,900	50.1	263.4	60,000	56.8	269.5	71,400	
90	40.9	252.5	46,600	46.2	258.8	56,100	53.3	266.0	66,400	
95	36.2	246.0	43,800	42.0	253.5	52,100	49.6	261.9	62,000	
100	30.9	238.2	41,400	37.4	247.3	48,800	45.7	257.2	58,000	
101	29.6	236.3	41,000	36.4	245.9	48,300	44.8	256.1	57,300	
105	24.6	228.4	39,500	32.3	240.0	46,000	41.4	251.8	54,500	
110	16.0	214.4	38,500	26.3	230.8	43,600	36.8	245.5	51,300	
113	6.7	198.4	38,500	21.7	223.3	42,600	33.7	240.9	49,600	
115				18.6	218.2	41,900	31.6	237.9	48,400	
119				8.0	200.3	41,500	26.7	230.3	46,300	
120							25.5	228.4	45,800	
123							20.6	220.5	44,300	
125							17.4	215.2	43,300	
129							4.2	192.5	41,400	
130									130	
135									135	
138									138	
140									140	
145									145	
150									150	
153									153	
155									155	
160									160	
165									165	
168									168	
170									170	
175									175	
180									180	
183									183	

# MLC250 S-3

ASME B30.5



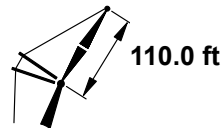
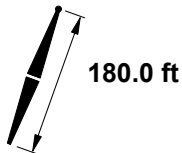
219,600 lb  
+  
80,000 lb



	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
39													39
40													40
45													45
49													49
50													50
55													55
60													60
63													63
65													65
70													70
75													75
78	67.5	276.9	75,300										78
80	66.2	276.0	73,000										80
85	63.0	273.6	67,500										85
90	59.7	270.8	62,800										90
95	56.3	267.6	58,600										95
100	52.8	263.9	54,900										100
101	52.0	263.1	54,200	62.6	269.6	49,000							101
105	49.0	259.7	51,500	59.9	267.4	46,600							105
110	45.1	255.0	48,500	56.5	264.2	43,900							110
113	42.5	251.6	46,900	54.4	262.0	42,400							113
115	40.8	249.4	45,800	53.0	260.5	41,400							115
119	37.1	244.3	43,800	50.0	257.2	39,500							119
120	36.1	243.0	43,300	49.3	256.4	39,100							120
123	33.0	238.3	41,900	46.9	253.6	37,800	57.8	260.5	33,800				123
125	30.8	235.2	41,000	45.3	251.7	37,000	56.5	259.2	33,100				125
129	25.8	227.3	39,300	41.9	247.3	35,500	53.6	256.3	31,700				129
130	24.5	225.4	38,900	41.1	246.2	35,100	52.9	255.6	31,300				130
135	15.9	211.2	36,900	36.4	239.8	33,300	49.2	251.4	29,700				135
138	6.4	194.9	35,700	33.3	235.2	32,300	46.8	248.6	28,800				138
140				31.2	232.1	31,700	45.3	246.7	28,200				140
145				24.9	222.4	30,100	41.0	241.2	26,800	52.5	248.9	23,600	145
150				16.5	208.7	28,600	36.3	234.8	25,600	48.8	244.7	22,400	150
153				7.9	193.9	27,800	33.2	230.1	24,800	46.4	241.8	21,800	153
155							31.1	227.1	24,300	44.8	239.9	21,400	155
160							24.8	217.3	23,200	40.5	234.3	20,300	160
165							16.3	203.5	22,100	35.8	227.8	19,400	165
168							7.5	188.3	21,400	32.6	223.0	18,800	168
170										30.4	219.9	18,500	170
175										24.0	209.8	17,600	175
180										15.1	195.2	16,700	180
183										3.5	175.2	16,100	183

# MLC250 S-3

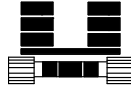
ASME B30.5



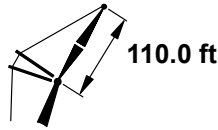
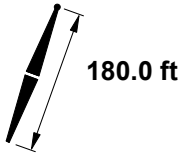
	88°			86°			83°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
42	75.7	294.3	69,300 d						42	
45	74.1	293.4	68,100 c						45	
50	71.3	291.8	66,100 b						50	
52	70.2	291.0	65,300 b	73.7	292.8	79,500 b			52	
55	68.5	289.9	64,100 b	72.0	291.8	78,700 b			55	
60	65.7	287.7	62,200	69.2	290.0	77,200			60	
65	62.8	285.2	61,300	66.4	287.9	75,500			65	
67	61.6	284.1	60,300	65.3	286.9	73,800	70.6	289.9	77,800	
70	59.8	282.4	58,900	63.5	285.5	71,200	68.9	288.7	77,500	
75	56.7	279.2	55,800	60.6	282.7	66,800	66.1	286.6	76,600	
80	53.5	275.7	52,100	57.5	279.7	62,500	63.2	284.1	75,000	
81	52.8	274.8	51,300	56.9	279.0	61,700	62.6	283.6	74,200	
85	50.2	271.6	48,400	54.3	276.2	58,400	60.2	281.4	71,200	
90	46.6	267.1	45,200	51.0	272.3	54,500	57.1	278.2	66,200	
95	42.9	261.9	42,300	47.6	267.9	51,100	53.9	274.7	61,800	
100	38.9	256.0	39,700	43.9	262.9	47,600	50.6	270.7	57,900	
105	34.4	249.1	37,500	39.9	257.2	44,600	47.1	266.3	54,400	
110	29.4	240.9	35,600	35.6	250.6	41,900	43.4	261.2	51,300	
115	23.4	230.5	34,200	30.8	242.7	39,600	39.4	255.4	48,400	
120	15.2	215.7	33,400	25.1	233.0	37,700	35.0	248.6	45,800	
123	6.3	198.9	33,400	20.6	225.0	36,900	32.1	243.8	44,300	
125				17.7	219.8	36,400	30.1	240.6	43,400	
128				10.1	205.6	36,200	26.6	234.6	42,000	
129				7.6	200.9	36,200	25.4	232.6	41,600	
130							24.2	230.6	41,200	
135							16.5	216.6	39,100	
139							3.9	192.8	37,400	
140									139	
145									140	
148									145	
150									148	
151									150	
155									151	
160									155	
163									160	
165									163	
166									165	
170									166	
175									170	
178									175	
180									178	
185									180	
188									185	
190									188	
193									190	

# MLC250 S-3

ASME B30.5



219,600 lb  
+  
80,000 lb



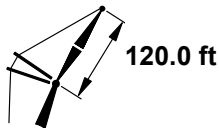
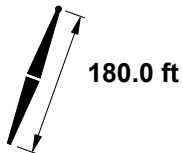
	80°			75°			70°			65°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
42													42
45													45
50													50
52													52
55													55
60													60
65													65
67													67
70													70
75													75
80													80
81	67.9	286.5	71,600										81
85	65.7	284.7	67,400										85
90	62.7	282.3	62,600										90
95	59.8	279.4	58,500										95
100	56.7	276.3	54,800										100
105	53.5	272.7	51,400	62.9	278.8	46,400							105
110	50.1	268.6	48,400	59.9	276.0	43,700							110
115	46.6	264.1	45,700	56.9	272.9	41,200							115
120	42.9	258.9	43,200	53.7	269.3	38,900							120
123	40.4	255.4	41,800	51.6	266.9	37,700							123
125	38.8	253.0	40,900	50.3	265.3	36,900							125
128	36.1	248.8	39,700	48.2	262.6	35,700	58.0	269.2	31,800				128
129	35.3	247.5	39,300	47.5	261.7	35,300	57.4	268.5	31,500				129
130	34.4	246.1	38,800	46.8	260.8	35,000	56.8	267.9	31,100				130
135	29.3	237.8	36,900	43.1	255.6	33,200	53.6	264.3	29,600				135
139	24.5	229.5	35,500	39.9	250.9	31,900	50.9	261.1	28,400				139
140	23.3	227.4	35,100	39.1	249.8	31,600	50.3	260.3	28,100				140
145	15.1	212.5	33,400	34.6	242.9	30,100	46.7	255.8	26,700				145
148	6.0	195.3	32,400	31.6	238.0	29,200	44.5	252.7	25,900				148
150				29.7	234.8	28,600	43.0	250.6	25,400				150
151				28.5	232.7	28,400	42.2	249.5	25,200	52.6	256.9	22,000	151
155				23.7	224.5	27,300	39.0	244.8	24,200	49.9	253.6	21,200	155
160				15.7	210.0	26,000	34.6	237.9	23,100	46.3	249.0	20,200	160
163				7.5	194.5	25,200	31.6	233.0	22,500	44.1	245.9	19,600	163
165							29.6	229.7	22,000	42.6	243.8	19,200	165
170							23.6	219.4	21,000	38.5	237.8	18,300	170
175							15.6	204.8	20,100	34.0	230.9	17,500	175
178							7.1	188.8	19,400	31.0	225.8	17,000	178
180										28.9	222.5	16,700	180
185										22.8	211.8	15,900	185
190										14.4	196.4	15,100	190
193										3.3	175.5	14,600	193

# MLC250 S-3

ASME B30.5



219,600 lb  
+  
80,000 lb



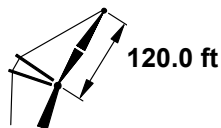
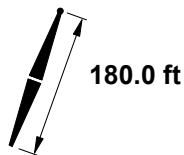
	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
44	75.9	304.1	63,600 d							44
45	75.4	303.8	63,300 c							45
50	72.9	302.3	61,600 b							50
55	70.4	300.6	60,700 b	73.6	302.3	73,000				55
60	67.8	298.6	58,100	71.1	300.7	71,900				60
65	65.2	296.4	57,400	68.5	298.8	70,600				65
70	62.6	293.9	55,900	65.9	296.6	67,900	70.7	299.4	71,400	70
75	59.8	291.1	53,800	63.2	294.2	64,100	68.2	297.5	71,000	75
80	57.0	287.9	50,200	60.5	291.4	60,300	65.6	295.3	70,300	80
85	54.1	284.4	47,100	57.7	288.3	56,600	62.9	292.8	69,300	85
90	51.0	280.5	44,000	54.8	284.9	53,000	60.2	290.0	65,700	90
95	47.9	276.1	41,000	51.8	281.1	49,600	57.4	286.9	61,400	95
100	44.5	271.2	38,500	48.7	276.9	46,400	54.4	283.4	57,500	100
105	41.0	265.7	36,200	45.4	272.1	43,700	51.4	279.6	54,000	105
110	37.1	259.4	34,100	41.9	266.7	40,800	48.3	275.3	50,800	110
115	32.9	252.1	32,400	38.1	260.7	38,400	45.0	270.4	47,900	115
120	28.1	243.4	30,800	34.0	253.6	36,200	41.4	265.0	45,300	120
125	22.4	232.5	29,700	29.4	245.3	34,400	37.6	258.8	43,000	125
130	14.6	216.9	29,200	23.9	235.1	32,900	33.5	251.6	40,800	130
133	6.0	199.3	29,200	19.7	226.8	32,300	30.6	246.5	39,600	133
134				18.3	224.0	32,100	29.7	244.8	39,200	134
135				16.9	221.2	31,900	28.8	243.2	38,700	135
139				7.3	201.5	31,800	24.3	234.7	37,200	139
140							23.2	232.6	36,900	140
145							15.8	218.0	35,100	145
149							3.7	193.1	33,700	149
150										150
155										155
157										157
158										158
160										160
165										165
170										170
173										173
175										175
180										180
185										185
188										188
190										190
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200										200
203										203

# MLC250 S-3

ASME B30.5



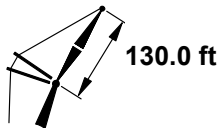
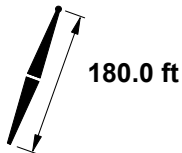
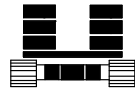
219,600 lb  
+  
80,000 lb



	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
44													44
45													45
50													50
55													55
60													60
65													65
70													70
75													75
80													80
85	67.8	295.7	66,800										85
90	65.2	293.4	62,100										90
95	62.5	290.9	57,900										95
100	59.8	288.1	54,200										100
105	57.0	284.9	50,900										105
110	54.0	281.4	47,900	62.7	287.5	43,100							110
115	51.0	277.5	45,200	59.9	284.7	40,600							115
120	47.8	273.1	42,700	57.1	281.5	38,300							120
125	44.5	268.2	40,400	54.2	278.0	36,300							125
130	40.9	262.7	38,400	51.2	274.1	34,400							130
133	38.6	258.9	37,200	49.3	271.5	33,300							133
134	37.8	257.6	36,800	48.6	270.7	33,000	57.6	277.2	29,200				134
135	37.1	256.4	36,500	48.0	269.8	32,600	57.1	276.6	28,900				135
139	33.7	250.5	35,000	45.3	265.9	31,400	54.7	273.8	27,700				139
140	32.8	249.0	34,700	44.7	264.9	31,000	54.2	273.1	27,400				140
145	28.0	240.3	33,000	41.1	259.4	29,500	51.1	269.2	26,100				145
149	23.4	231.6	31,800	38.1	254.4	28,400	48.6	265.7	25,100				149
150	22.3	229.4	31,500	37.3	253.2	28,100	48.0	264.8	24,800				150
155	14.5	213.7	30,000	33.1	245.9	26,800	44.6	259.9	23,600				155
157	8.6	201.8	29,400	31.2	242.5	26,300	43.2	257.7	23,200	52.6	264.9	20,100	157
158	5.7	195.8	29,100	30.2	240.7	26,100	42.5	256.6	23,000	52.0	264.1	19,900	158
160				28.3	237.3	25,600	41.1	254.4	22,500	50.8	262.5	19,500	160
165				22.7	226.5	24,400	37.2	248.1	21,500	47.6	258.1	18,600	165
170				15.0	211.3	23,300	33.0	240.9	20,500	44.2	253.1	17,700	170
173				7.1	195.0	22,600	30.2	235.7	19,900	42.1	249.8	17,200	173
175							28.3	232.2	19,600	40.7	247.6	16,900	175
180							22.6	221.4	18,700	36.8	241.2	16,100	180
185							14.9	206.1	17,800	32.5	233.8	15,400	185
188							6.7	189.4	17,300	29.6	228.5	14,900	188
190										27.7	224.9	14,600	190
195										21.8	213.8	13,900	195
200										13.7	197.5	13,300	200
203										3.2	175.7	12,800	203

# MLC250 S-3

ASME B30.5

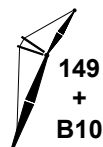


	88°			86°			83°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
47	75.7	313.6	58,300 c						47	
50	74.3	312.8	57,500 b						50	
55	72.0	311.2	56,900 b						55	
57	71.0	310.5	56,300 b	73.9	312.2	67,400			57	
60	69.6	309.4	55,400	72.6	311.2	66,900			60	
65	67.3	307.4	53,900	70.2	309.5	66,000			65	
70	64.8	305.1	52,500	67.9	307.5	64,600			70	
73	63.3	303.6	51,700	66.4	306.2	62,700	70.9	309.0	65,800	73
75	62.4	302.6	51,200	65.4	305.3	61,500	69.9	308.2	65,700	75
80	59.8	299.7	48,700	63.0	302.8	58,100	67.6	306.2	65,400	80
85	57.2	296.6	45,600	60.5	300.1	54,800	65.1	304.0	64,800	85
89	55.1	293.8	43,400	58.4	297.6	52,200	63.2	302.0	64,200	89
90	54.5	293.1	42,800	57.9	297.0	51,500	62.7	301.5	64,000	90
95	51.8	289.3	40,200	55.2	293.6	48,400	60.2	298.7	61,000	95
100	48.9	285.1	37,700	52.5	289.9	45,500	57.6	295.6	57,100	100
105	45.9	280.4	35,300	49.6	285.8	42,600	54.9	292.2	53,600	105
110	42.7	275.2	33,200	46.6	281.2	40,200	52.1	288.4	50,500	110
114	39.9	270.4	31,700	44.1	277.1	38,300	49.8	285.0	48,200	114
115	39.3	269.3	31,300	43.5	276.1	37,800	49.3	284.2	47,600	115
120	35.6	262.6	29,700	40.2	270.4	35,500	46.3	279.6	45,000	120
125	31.5	254.9	28,200	36.6	264.0	33,500	43.1	274.4	42,700	125
130	27.0	245.8	27,100	32.6	256.6	31,700	39.7	268.6	40,500	130
135	21.5	234.3	26,200	28.2	247.8	30,300	36.1	262.1	38,500	135
139	15.5	221.4	25,700	24.0	239.3	29,300	32.9	256.0	37,000	139
140	14.0	218.1	25,600	23.0	237.1	29,000	32.1	254.5	36,600	140
143	5.8	199.8	25,600	18.9	228.4	28,500	29.4	249.2	35,500	143
145				16.2	222.6	28,200	27.6	245.6	34,800	145
149				7.0	202.1	28,200	23.3	236.8	33,600	149
150							22.2	234.5	33,200	150
155							15.1	219.3	31,700	155
159							3.6	193.3	29,900	159
160										160
163										163
165										165
168										168
170										170
175										175
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210										210
213										213

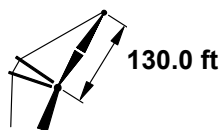
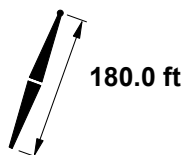


# MLC250 S-3

ASME B30.5



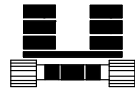
219,600 lb  
+  
80,000 lb



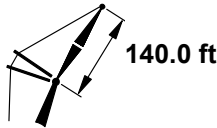
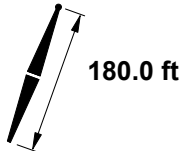
	80°			75°			70°			65°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
47													47
50													50
55													55
57													57
60													60
65													65
70													70
73													73
75													75
80													80
85													85
89	67.7	304.8	62,500										89
90	67.2	304.4	61,700										90
95	64.8	302.1	57,500										95
100	62.3	299.6	53,800										100
105	59.8	296.8	50,500										105
110	57.2	293.6	47,500										110
114	55.0	290.8	45,300	63.0	296.7	40,600							114
115	54.5	290.2	44,800	62.5	296.2	40,200							115
120	51.7	286.3	42,300	59.9	293.3	37,900							120
125	48.8	282.1	40,100	57.3	290.2	35,900							125
130	45.8	277.4	38,000	54.7	286.8	34,000							130
135	42.6	272.1	36,100	51.9	283.0	32,200							135
139	39.9	267.4	34,700	49.6	279.6	31,000	57.8	285.9	27,300				139
140	39.2	266.3	34,400	49.0	278.8	30,600	57.3	285.3	27,000				140
143	37.0	262.3	33,400	47.2	275.9	29,700	55.7	283.2	26,200				143
145	35.5	259.6	32,700	46.0	274.1	29,200	54.6	281.8	25,600				145
149	32.3	253.4	31,500	43.5	269.9	28,000	52.4	278.8	24,600				149
150	31.5	251.9	31,200	42.8	268.9	27,800	51.9	278.0	24,400				150
155	26.9	242.7	29,800	39.4	263.0	26,500	49.0	273.8	23,200				155
159	22.5	233.5	28,700	36.5	257.7	25,500	46.6	270.0	22,300				159
160	21.4	231.2	28,400	35.8	256.4	25,300	46.0	269.1	22,100				160
163	16.9	221.5	27,600	33.4	251.8	24,600	44.0	266.0	21,500	52.7	272.9	18,500	163
165	13.9	214.9	27,100	31.7	248.8	24,100	42.8	263.9	21,100	51.5	271.3	18,100	165
168	5.5	196.2	26,300	29.0	243.3	23,500	40.7	260.4	20,500	49.8	268.8	17,600	168
170				27.2	239.7	23,000	39.4	258.0	20,100	48.6	267.1	17,300	170
175				21.7	228.4	22,000	35.7	251.4	19,200	45.6	262.3	16,500	175
180				14.4	212.5	21,000	31.7	243.7	18,300	42.4	257.1	15,700	180
183				6.8	195.6	20,400	28.9	238.3	17,900	40.3	253.5	15,200	183
185							27.1	234.6	17,500	39.0	251.1	15,000	185
190							21.6	223.3	16,700	35.3	244.4	14,300	190
198							6.5	189.9	15,500	28.3	230.7	13,200	198
200										26.5	227.3	13,000	200
210										13.1	198.7	11,700	210
213										3.0	175.9	11,300	213

# MLC250 S-3

ASME B30.5



219,600 lb  
+  
80,000 lb



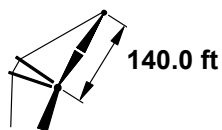
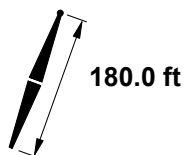
	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
49	75.9	323.4	53,600 b							49
50	75.4	323.2	53,600 b							50
55	73.3	321.7	52,200 b							55
60	71.1	320.1	51,700	73.8	321.7	59,000				60
65	69.0	318.2	50,400	71.7	320.1	59,000				65
70	66.7	316.1	49,200	69.5	318.3	59,000				70
75	64.5	313.8	47,300	67.3	316.3	58,900				75
76	64.0	313.3	47,200	66.9	315.8	58,300	71.0	318.5	59,000	76
80	62.2	311.2	46,900	65.1	314.0	56,000	69.2	317.0	59,000	80
85	59.8	308.4	44,500	62.8	311.5	53,100	67.0	315.0	59,000	85
90	57.4	305.3	41,800	60.4	308.7	50,200	64.8	312.7	59,000	90
93	55.9	303.2	40,300	59.0	306.9	48,500	63.4	311.1	58,900	93
95	54.9	301.9	39,300	58.0	305.7	47,400	62.5	310.1	58,900	95
100	52.4	298.1	37,000	55.6	302.4	44,700	60.1	307.3	56,600	100
105	49.7	294.0	34,900	53.0	298.7	42,000	57.7	304.3	53,100	105
110	47.0	289.5	32,700	50.4	294.7	39,600	55.3	300.9	50,000	110
115	44.1	284.5	30,800	47.7	290.3	37,200	52.7	297.2	47,100	115
119	41.6	280.0	29,500	45.4	286.3	35,600	50.6	293.9	45,100	119
120	41.0	278.9	29,100	44.8	285.4	35,200	50.1	293.1	44,500	120
125	37.8	272.7	27,600	41.8	280.0	33,200	47.3	288.6	42,200	125
130	34.2	265.7	26,300	38.6	274.0	31,300	44.5	283.7	40,000	130
135	30.4	257.6	25,100	35.2	267.2	29,700	41.4	278.2	38,000	135
140	25.9	248.1	24,100	31.4	259.4	28,200	38.2	272.1	36,200	140
144	21.7	238.5	23,500	28.0	252.1	27,200	35.4	266.6	34,800	144
145	20.6	236.1	23,400	27.1	250.3	27,000	34.7	265.2	34,400	145
150	13.4	219.3	23,200	22.1	239.1	26,000	30.9	257.3	32,800	150
153	5.6	200.2	23,200	18.2	230.0	25,600	28.3	251.7	31,900	153
155				15.6	224.0	25,400	26.5	248.0	31,200	155
159				6.7	202.6	25,400	22.4	238.7	30,200	159
160							21.4	236.4	29,900	160
165							14.6	220.5	28,600	165
169							3.4	193.6	26,600	169
170										170
175										175
178										178
180										180
185										185
190										190
193										193
195										195
200										200
208										208
210										210
220										220
223										223

# MLC250 S-3

ASME B30.5



219,600 lb  
+  
80,000 lb



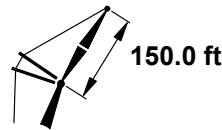
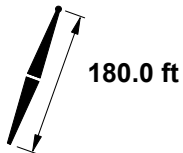
	80°			75°			70°			65°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
49													49
50													50
55													55
60													60
65													65
70													70
75													75
76													76
80													80
85													85
90													90
93	67.6	314.0	58,500										93
95	66.7	313.1	56,900										95
100	64.5	310.8	53,200										100
105	62.2	308.3	49,900										105
110	59.8	305.4	46,900										110
115	57.4	302.3	44,300										115
119	55.4	299.6	42,300	62.8	305.3	37,700							119
120	54.9	298.9	41,800	62.3	304.8	37,300							120
125	52.4	295.1	39,600	59.9	302.0	35,200							125
130	49.7	291.0	37,500	57.5	298.9	33,400							130
135	46.9	286.5	35,600	55.1	295.5	31,700							135
140	44.1	281.5	33,900	52.5	291.8	30,100							140
144	41.6	277.0	32,600	50.4	288.5	28,900	58.0	294.6	25,300				144
145	41.0	275.9	32,200	49.9	287.7	28,600	57.5	293.9	25,000				145
150	37.7	269.7	30,700	47.1	283.2	27,200	55.0	290.5	23,800				150
153	35.6	265.5	29,900	45.4	280.2	26,400	53.5	288.3	23,100				153
155	34.2	262.7	29,300	44.2	278.2	25,900	52.5	286.8	22,600				155
159	31.1	256.2	28,200	41.8	273.8	25,000	50.3	283.5	21,700				159
160	30.3	254.6	28,000	41.2	272.7	24,700	49.8	282.7	21,500				160
165	25.9	245.0	26,700	37.9	266.5	23,600	47.1	278.2	20,500				165
169	21.6	235.4	25,800	35.1	260.9	22,700	44.7	274.2	19,700	52.7	280.9	16,800	169
170	20.6	233.0	25,500	34.4	259.5	22,500	44.2	273.2	19,500	52.2	280.2	16,600	170
175	13.3	216.1	24,400	30.5	251.5	21,500	41.1	267.7	18,600	49.5	276.0	15,800	175
178	5.3	196.6	23,700	27.9	245.8	21,000	39.2	263.9	18,100	47.8	273.3	15,400	178
180				26.2	242.0	20,600	37.9	261.5	17,800	46.7	271.4	15,100	180
185				20.9	230.2	19,700	34.3	254.5	17,000	43.8	266.4	14,300	185
190				13.9	213.7	18,800	30.5	246.4	16,200	40.8	260.8	13,600	190
193				6.5	196.1	18,200	27.8	240.7	15,800	38.8	257.0	13,300	193
195							26.1	236.9	15,500	37.5	254.5	13,000	195
200							20.8	225.1	14,800	33.9	247.4	12,300	200
208							6.2	190.4	13,600	27.2	233.1	11,300	208
210										25.5	229.5	11,100	210
220										12.6	199.7	9,900	220
223										2.9	176.1	9,400	223

# MLC250 S-3

ASME B30.5



219,600 lb  
+  
80,000 lb



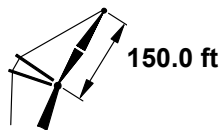
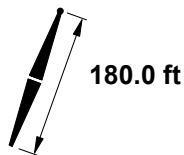
	88°			86°			83°			
	ft	ft	lb	ft	lb	ft	lb	ft		
51	76.0	333.2	49,500 b						51	
55	74.4	332.2	49,200 b						55	
60	72.5	330.6	48,300						60	
63	71.2	329.6	47,700	73.8	331.2	57,000			63	
65	70.4	328.9	47,200	73.0	330.6	56,800			65	
70	68.4	327.0	45,400	70.9	328.9	56,200			70	
75	66.3	324.8	45,100	68.9	327.1	55,300			75	
80	64.2	322.5	43,400	66.8	325.0	53,500	70.7	327.7	55,400	80
85	62.0	319.9	43,000	64.7	322.7	51,000	68.6	325.8	55,400	85
90	59.8	317.0	40,600	62.6	320.2	48,400	66.6	323.7	55,200	90
95	57.6	314.0	38,200	60.4	317.4	45,900	64.5	321.4	54,800	95
96	57.1	313.3	37,700	60.0	316.8	45,400	64.0	320.8	54,700	96
100	55.3	310.6	36,000	58.2	314.4	43,400	62.3	318.8	54,300	100
105	52.9	306.9	33,900	55.9	311.1	41,000	60.1	316.0	52,300	105
110	50.5	302.9	32,000	53.5	307.4	38,600	57.9	312.9	49,800	110
115	47.9	298.5	30,200	51.1	303.5	36,500	55.6	309.6	47,000	115
120	45.3	293.7	28,400	48.6	299.2	34,400	53.2	306.0	44,400	120
123	43.6	290.5	27,500	47.0	296.4	33,300	51.8	303.6	43,000	123
125	42.5	288.4	26,900	46.0	294.5	32,500	50.8	302.0	42,000	125
130	39.6	282.5	25,500	43.2	289.4	30,800	48.3	297.6	39,900	130
135	36.4	276.0	24,300	40.3	283.7	29,100	45.6	292.9	37,900	135
140	33.0	268.7	23,200	37.2	277.3	27,600	42.9	287.7	36,000	140
145	29.3	260.2	22,300	33.9	270.2	26,300	39.9	281.9	34,200	145
150	25.0	250.3	21,400	30.3	262.1	25,000	36.8	275.5	32,400	150
155	19.9	237.9	20,900	26.2	252.6	24,100	33.5	268.2	30,900	155
160	13.0	220.4	20,600	21.3	240.9	23,300	29.8	260.0	29,200	160
163	5.3	200.7	20,600	17.6	231.5	22,900	27.3	254.1	28,500	163
165				15.0	225.3	22,700	25.6	250.2	28,000	165
169				6.4	203.1	22,700	21.6	240.6	27,100	169
170							20.6	238.2	26,900	170
175							14.0	221.7	26,000	175
179							3.3	193.8	23,800	179
180										180
185										185
188										188
190										190
195										195
200										200
203										203
205										205
210										210
218										218
220										220
230										230
233										233

# MLC250 S-3

ASME B30.5



219,600 lb  
+  
80,000 lb



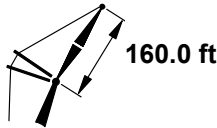
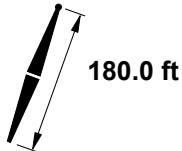
	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
51													51
55													55
60													60
63													63
65													65
70													70
75													75
80													80
85													85
90													90
95													95
96	67.9	323.6	55,900										96
100	66.3	321.9	53,000										100
105	64.2	319.5	49,700										105
110	62.0	316.9	46,800										110
115	59.8	314.1	44,100										115
120	57.6	311.0	41,600										120
123	56.2	308.9	40,300	63.0	314.5	35,800							123
125	55.3	307.6	39,400	62.1	313.5	35,100							125
130	52.9	303.9	37,300	60.0	310.7	33,200							130
135	50.4	299.9	35,400	57.7	307.6	31,500							135
140	47.9	295.5	33,700	55.4	304.2	29,900							140
145	45.3	290.7	32,100	53.0	300.5	28,400							145
150	42.5	285.4	30,600	50.6	296.5	27,000	57.7	302.6	23,600				150
155	39.5	279.5	29,200	48.1	292.2	25,800	55.4	299.2	22,400				155
160	36.4	273.0	27,800	45.4	287.4	24,600	53.0	295.6	21,300				160
163	34.3	268.6	27,100	43.7	284.2	23,900	51.5	293.2	20,700				163
165	33.0	265.6	26,600	42.6	282.1	23,400	50.5	291.6	20,300				165
169	30.0	258.9	25,700	40.3	277.4	22,600	48.5	288.0	19,600				169
170	29.2	257.2	25,400	39.7	276.3	22,400	48.0	287.2	19,400				170
175	25.0	247.2	24,300	36.6	269.8	21,400	45.4	282.4	18,500	52.7	288.9	15,600	175
179	20.9	237.3	23,500	33.9	264.0	20,600	43.1	278.2	17,800	50.8	285.7	15,000	179
180	19.9	234.8	23,300	33.2	262.5	20,400	42.6	277.1	17,600	50.3	284.9	14,900	180
185	12.9	217.2	22,300	29.5	254.1	19,600	39.7	271.3	16,800	47.7	280.5	14,200	185
188	5.1	197.0	21,600	26.9	248.2	19,000	37.8	267.4	16,400	46.1	277.6	13,700	188
190				25.2	244.2	18,700	36.5	264.8	16,100	45.1	275.6	13,400	190
195				20.2	232.0	17,900	33.1	257.5	15,300	42.3	270.3	12,700	195
200				13.4	214.9	17,100	29.4	249.1	14,700	39.3	264.4	12,100	200
203				6.3	196.6	16,600	26.9	243.1	14,300	37.4	260.4	11,700	203
205							25.2	239.2	14,000	36.2	257.8	11,400	205
210							20.1	226.9	13,400	32.7	250.4	10,800	210
218							6.0	190.9	12,300	26.3	235.4	9,900	218
220										24.6	231.7	9,700	220
230										12.2	200.8	8,600	230
233										2.8	176.3	8,200	233

# MLC250 S-3

ASME B30.5



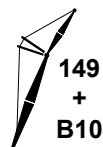
219,600 lb  
+  
80,000 lb



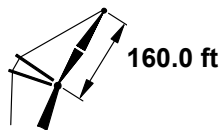
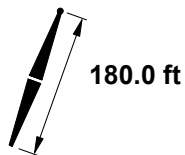
	88°			86°			83°			
	ft	ft	lb	ft	lb	ft	lb	ft		
54	75.8	342.8	45,800 b						54	
55	75.4	342.5	45,700 b						55	
60	73.6	341.1	45,100						60	
65	71.7	339.5	44,100						65	
66	71.3	339.1	43,900	73.7	340.8	52,400			66	
70	69.8	337.7	43,200	72.2	339.5	52,100			70	
75	67.9	335.7	42,200	70.3	337.8	51,600			75	
80	65.9	333.5	41,300	68.4	335.8	50,700			80	
83	64.7	332.1	40,800	67.2	334.6	49,400	70.8	337.2	50,900	83
85	63.9	331.2	40,500	66.4	333.7	48,600	70.0	336.5	50,900	85
90	61.9	328.5	39,100	64.4	331.4	46,400	68.1	334.6	50,900	90
95	59.9	325.7	36,900	62.4	328.8	44,200	66.2	332.4	50,700	95
100	57.8	322.6	34,900	60.4	326.0	41,900	64.2	330.0	50,400	100
105	55.6	319.3	32,900	58.3	323.0	39,800	62.2	327.5	50,000	105
110	53.4	315.7	31,100	56.2	319.7	37,600	60.1	324.7	48,000	110
115	51.1	311.7	29,400	54.0	316.2	35,600	58.0	321.6	45,900	115
120	48.8	307.4	27,800	51.7	312.3	33,700	55.9	318.3	43,800	120
125	46.3	302.8	26,400	49.4	308.2	31,800	53.7	314.7	41,500	125
128	44.8	299.7	25,500	47.9	305.4	30,800	52.3	312.4	40,300	128
130	43.8	297.7	24,900	46.9	303.6	30,100	51.4	310.8	39,400	130
135	41.1	292.1	23,600	44.4	298.6	28,600	49.1	306.6	37,400	135
140	38.2	286.0	22,500	41.8	293.2	27,100	46.6	302.0	35,600	140
145	35.2	279.2	21,500	39.0	287.2	25,600	44.1	297.0	33,700	145
150	31.9	271.5	20,600	36.0	280.6	24,400	41.4	291.5	32,000	150
155	28.3	262.8	19,800	32.8	273.2	23,300	38.6	285.4	30,400	155
160	24.2	252.4	19,200	29.3	264.7	22,300	35.6	278.7	28,800	160
165	19.3	239.6	18,700	25.3	254.8	21,500	32.4	271.1	27,500	165
170	12.5	221.5	18,500	20.6	242.7	20,800	28.8	262.5	26,100	170
173	5.2	201.1	18,500	17.0	233.0	20,600	26.4	256.5	25,500	173
175				14.5	226.5	20,400	24.8	252.4	25,100	175
179				6.2	203.6	20,400	20.9	242.5	24,400	179
180							20.0	240.0	24,200	180
181							18.7	236.6	24,100	181
185							13.6	222.9	23,500	185
189							3.1	194.1	21,000	189
190										190
198										198
200										200
210										210
213										213
220										220
228										228
230										230
240										240
243										243

# MLC250 S-3

ASME B30.5



219,600 lb  
+  
80,000 lb



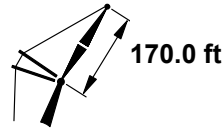
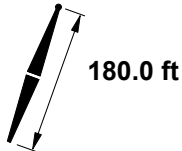
	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
54													54
55													55
60													60
65													65
66													66
70													70
75													75
80													80
83													83
85													85
90													90
95													95
100	67.9	332.8	52,500										100
105	65.9	330.6	49,200										105
110	63.9	328.2	46,200										110
115	61.9	325.6	43,500										115
120	59.8	322.7	41,100										120
125	57.7	319.7	38,900										125
128	56.4	317.6	37,600	62.8	323.2	33,300							128
130	55.6	316.3	36,800	62.0	322.1	32,600							130
135	53.4	312.7	34,900	60.0	319.3	30,900							135
140	51.1	308.7	33,200	57.9	316.2	29,300							140
145	48.7	304.5	31,600	55.7	312.9	27,800							145
150	46.3	299.8	30,100	53.5	309.3	26,500							150
155	43.7	294.7	28,700	51.2	305.4	25,200	57.8	311.3	21,800				155
160	41.0	289.1	27,400	48.9	301.1	24,000	55.7	307.9	20,700				160
165	38.2	283.0	26,100	46.4	296.5	22,900	53.5	304.3	19,700				165
170	35.2	276.2	25,000	43.9	291.4	21,800	51.2	300.4	18,800				170
173	33.2	271.6	24,300	42.3	288.1	21,300	49.8	297.8	18,200				173
175	31.9	268.5	23,900	41.2	285.9	20,900	48.8	296.1	17,900				175
179	29.0	261.5	23,100	38.9	281.0	20,100	46.9	292.4	17,200				179
180	28.3	259.7	22,900	38.4	279.8	19,900	46.4	291.5	17,000				180
181	27.4	257.6	22,700	37.8	278.4	19,800	45.9	290.5	16,900	52.7	296.9	13,900	181
185	24.2	249.3	21,900	35.4	273.0	19,100	43.8	286.4	16,200	50.9	293.7	13,300	185
189	20.2	239.0	21,100	32.7	266.9	18,400	41.7	282.0	15,600	49.0	290.3	12,700	189
190	19.2	236.5	21,000	32.1	265.4	18,200	41.2	280.9	15,500	48.6	289.4	12,500	190
198	4.9	197.4	19,500	25.9	250.2	17,000	36.5	270.6	14,400	44.5	281.6	11,500	198
200				24.4	246.4	16,700	35.3	268.0	14,100	43.5	279.6	11,200	200
210				12.9	216.0	15,200	28.4	251.6	12,800	38.0	267.8	10,000	210
213				6.1	197.1	14,800	25.7	244.7	12,500	36.1	263.5	9,700	213
220							19.4	228.6	11,700	31.6	253.2	8,900	220
228							5.8	191.3	10,700	25.4	237.7	8,100	228
230										23.8	233.8	7,800	230
240										11.8	201.8	6,800	240
243										2.6	176.5	6,500	243

# MLC250 S-3

ASME B30.5



219,600 lb  
+  
80,000 lb



	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
56	76.0	352.6	42,300 b							56
60	74.6	351.5	41,900							60
65	72.8	350.0	41,300							65
68	71.7	349.0	40,800	74.0	350.6	48,400				68
70	71.0	348.4	40,500	73.3	350.0	48,300				70
75	69.2	346.5	39,600	71.5	348.4	47,900				75
80	67.4	344.5	38,800	69.7	346.6	47,500				80
85	65.6	342.3	38,000	67.9	344.6	46,400				85
86	65.2	341.8	37,900	67.5	344.2	46,000	70.9	346.8	46,900	86
90	63.7	339.8	37,300	66.1	342.4	44,400	69.5	345.3	46,900	90
95	61.8	337.2	35,800	64.2	340.1	42,500	67.7	343.3	46,900	95
100	59.9	334.4	33,800	62.3	337.5	40,500	65.8	341.1	46,700	100
104	58.3	331.9	32,400	60.7	335.3	38,900	64.3	339.2	46,500	104
105	57.9	331.3	32,100	60.4	334.7	38,600	63.9	338.7	46,500	105
110	55.9	328.0	30,300	58.4	331.7	36,700	62.1	336.1	46,200	110
115	53.8	324.4	28,700	56.4	328.4	34,800	60.1	333.3	44,400	115
120	51.7	320.5	27,200	54.3	324.9	32,900	58.1	330.3	42,500	120
125	49.5	316.4	25,800	52.2	321.1	31,300	56.1	327.0	40,500	125
130	47.2	311.8	24,500	50.0	317.0	29,600	54.1	323.4	38,600	130
132	46.2	309.9	23,900	49.1	315.3	29,000	53.2	321.9	37,900	132
135	44.8	306.9	23,200	47.8	312.6	28,100	51.9	319.6	36,800	135
140	42.4	301.6	22,000	45.4	307.8	26,600	49.8	315.5	35,000	140
145	39.8	295.8	21,000	43.0	302.6	25,400	47.5	311.0	33,300	145
150	37.0	289.4	20,000	40.5	296.9	24,100	45.1	306.2	31,700	150
155	34.1	282.3	19,200	37.8	290.7	22,900	42.7	300.9	30,100	155
160	30.9	274.3	18,400	34.9	283.7	21,800	40.1	295.1	28,600	160
165	27.4	265.2	17,800	31.8	276.0	20,900	37.4	288.8	27,200	165
170	23.5	254.5	17,200	28.4	267.2	20,000	34.5	281.8	26,000	170
175	18.7	241.2	16,900	24.5	257.0	19,400	31.4	274.0	24,800	175
180	12.1	222.5	16,700	20.0	244.5	18,800	27.9	265.0	23,700	180
183	5.0	201.5	16,700	15.3	231.0	18,700	25.3	258.0	23,100	183
187				9.1	213.1	18,600	21.9	248.7	22,500	187
189				6.0	204.1	18,500	20.2	244.0	22,100	189
190							19.3	241.7	21,900	190
199							3.0	194.3	18,500	199
200										200
208										208
210										210
220										220
223										223
230										230
238										238
240										240
250										250
253										253

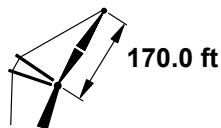
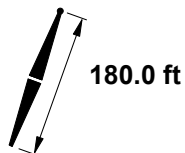


# MLC250 S-3

ASME B30.5



219,600 lb  
+  
80,000 lb



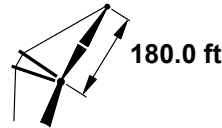
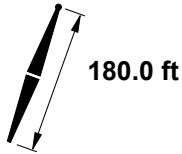
	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
56													56
60													60
65													65
68													68
70													70
75													75
80													80
85													85
86													86
90													90
95													95
100													100
104	67.8	341.9	49,400										104
105	67.4	341.5	48,800										105
110	65.6	339.3	45,800										110
115	63.7	336.9	43,100										115
120	61.8	334.2	40,700										120
125	59.8	331.4	38,500										125
130	57.9	328.3	36,400										130
132	57.1	327.0	35,700	63.0	332.4	31,400							132
135	55.8	325.0	34,500	61.9	330.8	30,400							135
140	53.8	321.4	32,800	60.0	328.0	28,900							140
145	51.6	317.6	31,200	58.0	324.9	27,400							145
150	49.4	313.4	29,700	56.0	321.6	26,000							150
155	47.2	308.8	28,300	53.9	318.0	24,800							155
160	44.8	303.9	27,000	51.8	314.2	23,600	57.9	320.0	20,300				160
165	42.3	298.6	25,800	49.6	310.0	22,500	55.9	316.6	19,300				165
170	39.8	292.8	24,600	47.3	305.5	21,400	53.9	313.1	18,300				170
175	37.0	286.4	23,600	44.9	300.6	20,500	51.7	309.2	17,400				175
180	34.1	279.3	22,500	42.5	295.3	19,500	49.5	305.0	16,600				180
183	32.1	274.1	22,000	40.9	291.7	19,000	48.1	302.2	16,200				183
187	29.4	267.3	21,200	38.8	286.8	18,400	46.3	298.5	15,500	52.8	304.9	12,300	187
189	28.1	263.9	20,800	37.7	284.4	18,000	45.4	296.6	15,200	51.9	303.4	12,000	189
190	27.4	262.1	20,600	37.2	283.2	17,800	44.9	295.7	15,100	51.5	302.6	11,900	190
199	19.5	240.5	19,100	31.7	269.7	16,500	40.4	285.6	13,800	47.4	294.7	10,700	199
200	18.6	238.1	18,900	31.1	268.2	16,300	39.9	284.5	13,700	47.0	293.8	10,600	200
208	4.7	197.8	17,600	25.1	252.4	15,200	35.3	273.7	12,700	43.1	285.6	9,600	208
210				23.7	248.5	14,900	34.2	271.1	12,500	42.2	283.5	9,400	210
220				12.5	217.1	13,600	27.6	254.0	11,300	36.8	271.2	8,300	220
223				5.9	197.6	13,200	24.9	246.9	10,900	35.0	266.6	8,000	223
230							18.8	230.2	10,100	30.7	256.0	7,300	230
238							5.6	191.8	9,200	24.6	239.9	6,500	238
240										23.1	235.8	6,300	240
250										11.4	202.8	5,400	250
253										2.6	176.6	5,100	253

# MLC250 S-3

ASME B30.5



219,600 lb  
+  
80,000 lb



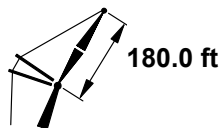
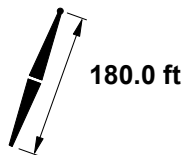
	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
59	75.8	362.2	38,900 b							59
60	75.5	361.9	38,900							60
65	73.8	360.5	38,500							65
70	72.1	358.9	37,800							70
71	71.8	358.6	37,600	73.9	360.2	44,600				71
75	70.4	357.2	37,100	72.6	358.9	44,300				75
80	68.7	355.3	36,300	70.9	357.2	44,000				80
85	67.0	353.2	35,600	69.2	355.4	43,600				85
89	65.6	351.4	35,100	67.8	353.7	42,500	71.0	356.3	43,100	89
90	65.3	351.0	35,000	67.5	353.3	42,300	70.7	356.0	43,100	90
95	63.5	348.5	34,300	65.7	351.1	40,600	69.0	354.1	43,100	95
100	61.7	345.9	32,700	64.0	348.7	38,900	67.2	352.1	43,000	100
105	59.9	343.0	31,000	62.2	346.2	37,100	65.5	349.8	42,900	105
107	59.1	341.8	30,400	61.4	345.0	36,400	64.8	348.9	42,800	107
110	58.0	340.0	29,400	60.3	343.4	35,400	63.7	347.4	42,700	110
115	56.1	336.7	27,900	58.5	340.4	33,700	61.9	344.8	42,400	115
120	54.2	333.1	26,500	56.6	337.1	32,100	60.1	342.0	40,900	120
125	52.2	329.3	25,100	54.7	333.7	30,400	58.2	338.9	39,200	125
130	50.1	325.2	23,800	52.7	329.9	29,000	56.3	335.7	37,500	130
135	48.0	320.8	22,700	50.6	325.9	27,500	54.4	332.2	35,900	135
137	47.1	318.9	22,300	49.8	324.2	26,900	53.6	330.7	35,200	137
140	45.8	316.1	21,600	48.5	321.6	26,100	52.4	328.4	34,200	140
145	43.5	311.0	20,500	46.3	316.9	24,800	50.4	324.4	32,600	145
150	41.1	305.4	19,500	44.1	311.9	23,600	48.3	320.0	31,100	150
155	38.6	299.3	18,600	41.7	306.4	22,600	46.1	315.3	29,600	155
160	36.0	292.6	17,800	39.3	300.5	21,500	43.8	310.2	28,200	160
165	33.1	285.3	17,100	36.6	294.0	20,400	41.4	304.7	26,900	165
166	32.5	283.6	17,000	36.1	292.5	20,200	40.9	303.5	26,600	166
170	30.0	277.0	16,500	33.9	286.8	19,500	38.9	298.7	25,600	170
175	26.6	267.6	15,900	30.9	278.8	18,700	36.3	292.1	24,400	175
180	22.8	256.5	15,500	27.5	269.7	18,000	33.5	284.8	23,400	180
185	18.1	242.8	15,200	23.8	259.1	17,500	30.5	276.7	22,400	185
190	11.8	223.5	15,200	19.4	246.2	17,100	27.1	267.4	21,300	190
193	4.8	201.9	15,200	14.9	232.3	16,800	24.6	260.2	20,900	193
199				5.8	204.6	16,300	19.6	245.7	20,100	199
200							18.8	243.3	20,000	200
209							2.9	194.5	16,200	209
210										210
218										218
220										220
230										230
233										233
240										240
245										245
248										248

# MLC250 S-3

ASME B30.5



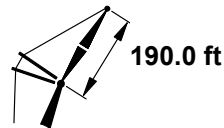
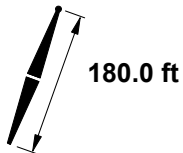
219,600 lb  
+  
80,000 lb



	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
59													59
60													60
65													65
70													70
71													71
75													75
80													80
85													85
89													89
90													90
95													95
100													100
105													105
107	68.0	351.5	45,600										107
110	67.0	350.2	45,200										110
115	65.3	348.0	42,600										115
120	63.5	345.5	40,100										120
125	61.7	342.9	37,900										125
130	59.9	340.1	35,900										130
135	58.0	337.0	34,000										135
137	57.2	335.7	33,300	62.9	341.1	29,200							137
140	56.1	333.7	32,300	61.8	339.5	28,300							140
145	54.1	330.2	30,700	60.0	336.6	26,800							145
150	52.1	326.4	29,200	58.1	333.6	25,500							150
155	50.1	322.3	27,800	56.2	330.3	24,200							155
160	48.0	317.9	26,500	54.2	326.8	23,000							160
165	45.8	313.1	25,300	52.2	323.0	21,900							165
166	45.3	312.1	25,100	51.8	322.2	21,700	57.7	328.0	18,400				166
170	43.5	308.0	24,100	50.2	318.9	20,900	56.2	325.3	17,700				170
175	41.1	302.4	23,100	48.1	314.5	19,900	54.2	321.8	16,800				175
180	38.6	296.3	22,100	45.9	309.8	19,000	52.2	318.0	16,000				180
185	35.9	289.6	21,100	43.6	304.7	18,100	50.2	313.9	15,200				185
190	33.1	282.2	20,200	41.2	299.1	17,300	48.0	309.5	14,500				190
193	31.1	276.9	19,700	39.7	295.3	16,900	46.7	306.6	14,100	52.8	312.9	10,600	193
199	27.2	266.3	18,700	36.6	287.7	16,000	44.0	300.7	13,200	50.3	308.1	9,800	199
200	26.6	264.5	18,500	36.1	286.4	15,800	43.6	299.7	13,100	49.9	307.3	9,700	200
209	18.9	242.1	17,100	30.8	272.4	14,600	39.2	289.2	11,900	46.0	299.0	8,600	209
210	18.1	239.7	17,000	30.2	270.9	14,400	38.7	288.1	11,700	45.6	298.0	8,500	210
218	4.6	198.2	15,700	24.4	254.6	13,400	34.3	276.8	10,800	41.8	289.4	7,700	218
220				23.0	250.5	13,200	33.2	274.0	10,500	40.9	287.3	7,400	220
230				12.2	218.1	12,000	26.8	256.4	9,400	35.7	274.4	6,500	230
233				5.7	198.1	11,600	24.2	249.0	9,100	33.9	269.7	6,200	233
240							18.3	231.8	8,300	29.8	258.6	5,600	240
245							12.0	212.8	7,800	26.3	249.1	5,100	245
248							5.4	192.2	7,500				248

# MLC250 S-3

ASME B30.5



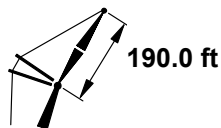
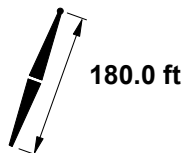
	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
61	75.9	372.0	36,000							61
65	74.7	370.9	35,700							65
70	73.1	369.4	35,300							70
74	71.8	368.1	34,800	73.8	369.7	41,000				74
75	71.5	367.8	34,600	73.5	369.4	41,000				75
80	69.9	366.0	34,000	71.9	367.8	40,700				80
85	68.3	364.0	33,400	70.3	366.1	40,400				85
90	66.7	361.9	32,800	68.7	364.2	40,100				90
93	65.7	360.6	32,400	67.7	362.9	39,200	70.8	365.5	39,600	93
95	65.0	359.7	32,200	67.1	362.1	38,700	70.1	364.8	39,600	95
100	63.3	357.2	31,500	65.4	359.8	37,200	68.5	362.9	39,600	100
105	61.6	354.5	30,000	63.8	357.4	35,600	66.9	360.8	39,500	105
110	59.9	351.7	28,500	62.1	354.8	34,100	65.2	358.5	39,300	110
111	59.5	351.1	28,300	61.7	354.3	33,800	64.9	358.0	39,300	111
115	58.1	348.6	27,100	60.3	352.0	32,600	63.5	356.1	39,200	115
120	56.3	345.4	25,800	58.6	349.0	31,200	61.8	353.5	39,000	120
125	54.5	341.9	24,500	56.8	345.8	29,700	60.1	350.6	37,800	125
130	52.6	338.1	23,300	54.9	342.4	28,300	58.3	347.6	36,300	130
135	50.7	334.1	22,100	53.1	338.7	26,900	56.5	344.4	34,900	135
140	48.7	329.8	21,100	51.2	334.7	25,600	54.7	340.9	33,400	140
142	47.8	327.9	20,700	50.4	333.0	25,100	54.0	339.4	32,800	142
145	46.6	325.2	20,100	49.2	330.5	24,400	52.8	337.2	31,900	145
150	44.5	320.2	19,200	47.1	326.0	23,200	50.9	333.2	30,500	150
155	42.3	314.8	18,200	45.0	321.1	22,100	48.9	328.9	29,200	155
160	40.0	309.0	17,400	42.8	315.8	21,100	46.9	324.4	27,800	160
165	37.5	302.7	16,700	40.6	310.1	20,200	44.8	319.4	26,500	165
170	35.0	295.8	16,000	38.2	304.0	19,300	42.6	314.1	25,300	170
171	34.4	294.3	15,800	37.7	302.6	19,100	42.1	313.0	25,100	171
175	32.2	288.1	15,400	35.6	297.2	18,400	40.3	308.4	24,200	175
180	29.2	279.6	14,900	32.9	289.8	17,600	37.9	302.1	23,100	180
185	25.9	269.9	14,400	30.0	281.5	17,000	35.3	295.3	22,100	185
190	22.2	258.4	14,100	26.8	272.1	16,300	32.6	287.7	21,100	190
199	12.5	227.9	13,800	19.7	250.3	15,600	27.0	271.5	19,600	199
200	11.5	224.5	13,800	18.9	247.8	15,500	26.4	269.7	19,500	200
203	4.7	202.2	13,600	14.5	233.6	15,100	23.9	262.3	19,100	203
209				5.7	205.1	14,400	19.1	247.4	18,300	209
210							18.3	244.9	18,200	210
219							2.8	194.7	14,300	219
220										220
228										228
230										230
240										240
243										243
250										250
258										258

# MLC250 S-3

ASME B30.5



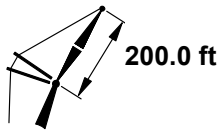
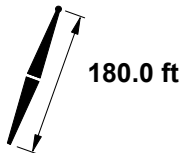
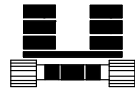
219,600 lb  
+  
80,000 lb



	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
61													61
65													65
70													70
74													74
75													75
80													80
85													85
90													90
93													93
95													95
100													100
105													105
110													110
111	68.0	360.7	41,800										111
115	66.6	359.0	41,800										115
120	65.0	356.7	39,900										120
125	63.3	354.2	37,700										125
130	61.6	351.6	35,700										130
135	59.9	348.7	33,800										135
140	58.1	345.7	32,100										140
142	57.4	344.4	31,400	62.7	349.7	27,400							142
145	56.3	342.4	30,500	61.7	348.1	26,600							145
150	54.5	338.9	29,000	60.0	345.3	25,200							150
155	52.6	335.1	27,600	58.2	342.3	24,000							155
160	50.6	331.1	26,300	56.4	339.0	22,800							160
165	48.6	326.8	25,100	54.6	335.5	21,700							165
170	46.6	322.2	23,900	52.7	331.8	20,700							170
171	46.2	321.2	23,700	52.3	331.0	20,500	57.8	336.7	17,300				171
175	44.5	317.2	22,900	50.7	327.8	19,700	56.4	334.0	16,600				175
180	42.2	311.8	21,900	48.8	323.5	18,800	54.5	330.5	15,800				180
185	39.9	306.0	20,900	46.7	318.9	17,900	52.6	326.8	15,000				185
190	37.5	299.7	20,000	44.6	313.9	17,100	50.7	322.8	14,200				190
199	32.7	286.6	18,500	40.5	303.9	15,700	47.1	314.8	12,900	52.8	320.9	9,500	199
200	32.2	285.1	18,300	40.1	302.8	15,600	46.7	313.9	12,700	52.4	320.2	9,300	200
203	30.3	279.6	17,900	38.6	298.8	15,200	45.4	310.8	12,300	51.2	317.6	9,000	203
209	26.5	268.6	17,000	35.6	290.9	14,400	42.8	304.6	11,500	48.9	312.6	8,300	209
210	25.9	266.8	16,800	35.1	289.6	14,200	42.3	303.6	11,400	48.5	311.8	8,200	210
219	18.4	243.7	15,500	29.9	275.1	13,100	38.1	292.7	10,300	44.7	303.1	7,200	219
220	17.6	241.2	15,400	29.4	273.5	13,000	37.6	291.5	10,200	44.3	302.1	7,100	220
228	4.5	198.5	14,300	23.7	256.7	12,100	33.3	279.8	9,300	40.7	293.1	6,300	228
230				22.3	252.5	11,800	32.3	276.9	9,100	39.8	290.9	6,100	230
240				11.8	219.1	10,700	26.0	258.7	8,000	34.7	277.6	5,200	240
243				5.5	198.5	10,400	23.5	251.1	7,700				243
250							17.8	233.3	7,100				250
258							5.3	192.7	6,300				258

# MLC250 S-3

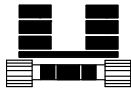
ASME B30.5



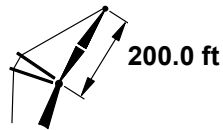
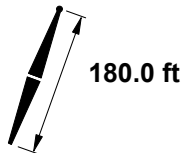
ft	88°			86°			83°			ft
	ft	lb	ft	ft	lb	ft	ft	lb	ft	
64	75.8	381.5	33,100							64
65	75.5	381.3	33,000							65
70	74.0	379.9	32,700							70
75	72.5	378.3	32,300							75
77	71.9	377.6	32,100	73.8	379.2	37,700				77
80	71.0	376.6	31,700	72.9	378.3	37,600				80
85	69.4	374.8	31,200	71.3	376.7	37,300				85
90	67.9	372.8	30,700	69.8	374.9	37,000				90
95	66.3	370.7	30,100	68.3	372.9	36,700				95
96	66.0	370.2	30,000	68.0	372.5	36,400	70.9	375.1	36,300	96
100	64.8	368.3	29,600	66.7	370.8	35,400	69.6	373.6	36,300	100
105	63.2	365.9	28,900	65.2	368.5	34,000	68.1	371.6	36,200	105
110	61.5	363.2	27,500	63.6	366.1	32,700	66.5	369.5	36,100	110
115	59.9	360.4	26,200	62.0	363.5	31,400	65.0	367.2	36,000	115
120	58.2	357.3	25,000	60.3	360.7	30,000	63.4	364.8	35,800	120
125	56.5	354.1	23,800	58.6	357.7	28,800	61.7	362.1	35,700	125
130	54.8	350.6	22,600	56.9	354.5	27,400	60.1	359.3	34,900	130
135	53.0	346.9	21,600	55.2	351.1	26,200	58.4	356.3	33,600	135
140	51.2	342.9	20,500	53.4	347.4	25,000	56.7	353.1	32,400	140
145	49.3	338.7	19,500	51.6	343.6	23,800	55.0	349.6	31,000	145
146	48.9	337.8	19,400	51.2	342.7	23,600	54.6	348.9	30,800	146
150	47.3	334.2	18,600	49.8	339.4	22,700	53.2	346.0	29,800	150
155	45.4	329.4	17,800	47.8	335.0	21,600	51.4	342.0	28,500	155
160	43.3	324.2	17,100	45.9	330.2	20,700	49.5	337.8	27,300	160
165	41.1	318.6	16,200	43.8	325.1	19,700	47.6	333.4	26,100	165
170	38.9	312.6	15,600	41.7	319.7	18,800	45.6	328.6	24,900	170
175	36.5	306.0	14,900	39.5	313.7	18,100	43.6	323.4	23,800	175
176	36.0	304.6	14,800	39.0	312.5	18,000	43.1	322.3	23,600	176
180	34.0	298.9	14,300	37.2	307.3	17,400	41.4	317.9	22,700	180
185	31.4	291.0	13,800	34.7	300.3	16,600	39.2	311.9	21,800	185
190	28.5	282.1	13,400	32.1	292.6	15,900	36.8	305.5	20,800	190
195	25.2	272.1	13,000	29.2	284.1	15,300	34.4	298.4	20,000	195
200	21.6	260.3	12,700	26.1	274.4	14,900	31.7	290.6	19,100	200
205	17.2	245.8	12,500	22.6	263.1	14,400	28.8	281.9	18,500	205
210	11.2	225.4	12,500	18.4	249.4	14,100	25.7	272.0	17,700	210
213	4.6	202.6	11,600	14.1	234.8	13,500	23.3	264.3	17,300	213
219				5.5	205.5	12,400	18.6	249.0	16,400	219
220							17.8	246.4	16,300	220
229							2.8	194.9	12,300	229
230										230
238										238
240										240
250										250
253										253
260										260

# MLC250 S-3

ASME B30.5



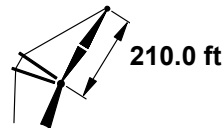
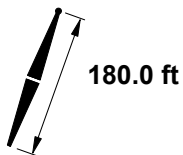
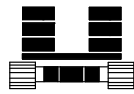
219,600 lb  
+  
80,000 lb



	80°			75°			70°			ft
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
64										64
65										65
70										70
75										75
77										77
80										80
85										85
90										90
95										95
96										96
100										100
105										105
110										110
115	67.9	369.8	38,100							115
120	66.3	367.7	38,100							120
125	64.7	365.4	37,200							125
130	63.1	362.9	35,100							130
135	61.5	360.2	33,300							135
140	59.9	357.4	31,500							140
145	58.2	354.3	29,900							145
146	57.8	353.7	29,700	62.9	358.9	25,700				146
150	56.5	351.1	28,500	61.6	356.8	24,700				150
155	54.7	347.6	27,100	60.0	354.0	23,400				155
160	53.0	343.9	25,800	58.3	350.9	22,200				160
165	51.1	340.0	24,600	56.6	347.7	21,100				165
170	49.3	335.7	23,400	54.8	344.2	20,100				170
175	47.3	331.2	22,400	53.1	340.5	19,200				175
176	46.9	330.2	22,200	52.7	339.7	19,000	57.9	345.3	15,600	176
180	45.3	326.4	21,400	51.2	336.6	18,200	56.6	342.7	14,900	180
185	43.3	321.2	20,400	49.4	332.4	17,400	54.8	339.3	14,100	185
190	41.1	315.6	19,500	47.4	327.9	16,600	53.0	335.6	13,300	190
195	38.9	309.6	18,700	45.4	323.1	15,800	51.2	331.6	12,600	195
200	36.5	303.0	17,900	43.4	317.9	15,100	49.3	327.4	11,900	200
205	34.0	295.8	17,100	41.2	312.3	14,400	47.4	322.9	11,200	205
210	31.3	287.9	16,400	39.0	306.3	13,700	45.4	318.1	10,600	210
213	29.5	282.3	15,900	37.5	302.2	13,400	44.2	314.9	10,200	213
219	25.8	270.9	15,100	34.6	294.0	12,600	41.6	308.4	9,500	219
220	25.2	269.0	15,000	34.2	292.7	12,500	41.2	307.3	9,400	220
229	17.9	245.3	13,800	29.1	277.7	11,500	37.1	296.0	8,400	229
230	17.1	242.7	13,700	28.6	276.0	11,400	36.6	294.8	8,300	230
238				23.1	258.7	10,500	32.5	282.8	7,500	238
240	4.3	198.9	12,700	21.8	254.4	10,200	31.4	279.8	7,300	240
250				11.5	220.1	9,100	25.3	261.0	6,400	250
253				5.4	198.9	8,800	22.9	253.1	6,100	253
260							17.3	234.9	5,500	260

# MLC250 S-3

ASME B30.5

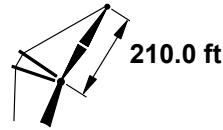
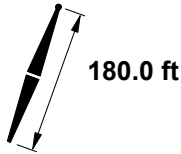
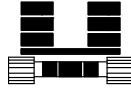


ft	88°			86°			83°			ft
	ft	lb	ft	ft	lb	ft	ft	lb	ft	
66	75.9	391.3	30,600							66
70	74.8	390.3	30,300							70
75	73.3	388.8	30,100							75
79	72.2	387.5	29,700	74.0	389.1	34,800				79
80	71.9	387.2	29,600	73.7	388.8	34,700				80
85	70.5	385.5	29,200	72.3	387.2	34,500				85
90	69.0	383.6	28,700	70.8	385.5	34,300				90
95	67.5	381.6	28,200	69.4	383.7	34,100				95
99	66.3	379.8	27,800	68.2	382.1	33,800	70.9	384.6	33,300	99
100	66.0	379.4	27,800	67.9	381.7	33,700	70.6	384.3	33,300	100
105	64.5	377.0	27,300	66.4	379.5	32,500	69.2	382.4	33,300	105
110	63.0	374.5	26,500	64.9	377.2	31,400	67.7	380.4	33,200	110
115	61.5	371.9	25,400	63.4	374.8	30,100	66.2	378.2	33,100	115
119	60.2	369.6	24,500	62.2	372.7	29,200	65.0	376.4	33,000	119
120	59.9	369.0	24,200	61.9	372.1	29,000	64.7	375.9	32,900	120
125	58.3	366.0	23,100	60.3	369.3	27,800	63.2	373.4	32,800	125
130	56.7	362.7	22,100	58.7	366.4	26,600	61.7	370.8	32,700	130
135	55.0	359.3	21,000	57.1	363.2	25,500	60.1	368.0	32,300	135
140	53.3	355.7	20,000	55.4	359.8	24,300	58.5	364.9	31,200	140
145	51.6	351.8	19,100	53.8	356.2	23,300	56.9	361.7	30,100	145
150	49.8	347.6	18,300	52.0	352.4	22,300	55.2	358.3	28,900	150
151	49.5	346.7	18,100	51.7	351.5	22,100	54.9	357.6	28,700	151
155	48.0	343.2	17,400	50.3	348.3	21,300	53.5	354.7	27,800	155
160	46.1	338.5	16,700	48.5	343.9	20,300	51.8	350.8	26,700	160
165	44.2	333.5	16,000	46.6	339.3	19,400	50.1	346.7	25,600	165
170	42.2	328.1	15,300	44.7	334.4	18,500	48.2	342.4	24,500	170
175	40.1	322.3	14,600	42.7	329.1	17,700	46.4	337.7	23,500	175
180	37.9	316.0	14,000	40.6	323.4	17,000	44.4	332.7	22,500	180
181	37.5	314.7	13,900	40.2	322.1	16,900	44.0	331.6	22,300	181
185	35.6	309.2	13,500	38.5	317.2	16,400	42.5	327.3	21,500	185
190	33.2	301.8	13,000	36.2	310.6	15,700	40.4	321.6	20,600	190
195	30.6	293.7	12,500	33.8	303.4	15,000	38.2	315.4	19,700	195
200	27.7	284.6	12,200	31.3	295.4	14,400	35.9	308.7	18,900	200
210	21.0	262.2	11,600	25.4	276.6	13,500	30.9	293.4	17,400	210
220	10.9	226.4	11,500	17.9	251.0	13,000	25.0	274.2	15,800	220
223	4.4	203.0	9,900	13.7	236.0	12,200	22.7	266.3	15,400	223
229				5.4	206.0	10,600	18.1	250.6	14,500	229
230							17.4	248.0	14,300	230
239							2.7	195.1	10,500	239
240										240
248										248
250										250
255										255
260										260
263										263



# MLC250 S-3

ASME B30.5



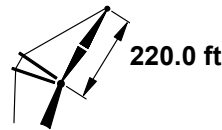
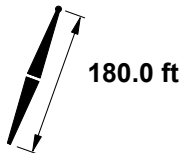
	80°			75°			70°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
66										66
70										70
75										75
79										79
80										80
85										85
90										90
95										95
99										99
100										100
105										105
110										110
115										115
119	67.8	379.0	34,900							119
120	67.5	378.6	34,900							120
125	66.0	376.4	34,900							125
130	64.5	374.1	34,700							130
135	63.0	371.6	32,900							135
140	61.4	368.9	31,100							140
145	59.9	366.0	29,500							145
150	58.3	363.0	28,100							150
151	57.9	362.4	27,800	62.8	367.6	24,000				151
155	56.7	359.8	26,700	61.5	365.5	23,000				155
160	55.0	356.3	25,400	60.0	362.6	21,800				160
165	53.3	352.7	24,200	58.4	359.6	20,700				165
170	51.6	348.8	23,100	56.7	356.4	19,700				170
175	49.8	344.6	22,000	55.1	352.9	18,700				175
180	48.0	340.2	21,000	53.4	349.3	17,800				180
181	47.6	339.3	20,800	53.1	348.5	17,700	58.0	354.0	14,100	181
185	46.1	335.5	20,000	51.7	345.4	17,000	56.7	351.4	13,500	185
190	44.2	330.5	19,100	49.9	341.3	16,200	55.1	348.0	12,700	190
195	42.2	325.1	18,300	48.1	336.9	15,400	53.4	344.3	12,000	195
200	40.1	319.3	17,500	46.2	332.2	14,700	51.7	340.4	11,300	200
210	35.6	306.2	16,000	42.3	321.8	13,300	48.1	331.9	10,000	210
220	30.5	290.7	14,600	38.0	309.8	12,100	44.3	322.2	8,800	220
223	28.7	284.8	14,300	36.6	305.6	11,700	43.0	318.8	8,500	223
229	25.2	273.1	13,500	33.8	297.1	10,900	40.6	312.1	7,800	229
230	24.6	271.2	13,400	33.3	295.7	10,800	40.2	311.0	7,700	230
239	17.5	246.8	12,300	28.4	280.2	9,800	36.1	299.3	6,800	239
240	16.7	244.1	12,200	27.9	278.5	9,700	35.7	298.0	6,700	240
248	4.2	199.2	11,300	22.5	260.7	8,800	31.7	285.6	6,000	248
250				21.2	256.2	8,600	30.7	282.5	5,800	250
255				17.0	241.5	8,100	27.8	273.4	5,400	255
260				11.2	221.1	7,600				260
263				5.2	199.4	7,300				263

# MLC250 S-3

ASME B30.5



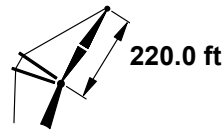
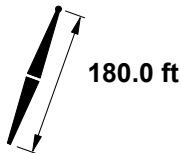
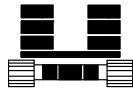
219,600 lb  
+  
80,000 lb



	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
70	75.8	400.9	27,700							70
75	74.4	399.6	27,500							75
80	73.1	398.1	27,300							80
83	72.2	397.1	27,100	74.0	398.7	29,500				83
85	71.7	396.5	26,900	73.4	398.1	29,500				85
90	70.3	394.7	26,500	72.1	396.5	29,500				90
95	68.9	392.8	26,100	70.7	394.8	29,500				95
100	67.5	390.8	25,600	69.3	392.9	29,500				100
104	66.4	389.0	25,300	68.2	391.3	29,500	70.8	393.9	29,500	104
105	66.1	388.6	25,200	67.9	390.9	29,500	70.5	393.5	29,500	105
110	64.7	386.3	24,800	66.5	388.8	29,500	69.1	391.6	29,500	110
115	63.2	383.8	24,500	65.0	386.5	29,100	67.7	389.6	29,500	115
120	61.7	381.2	23,800	63.6	384.0	28,100	66.3	387.5	29,500	120
124	60.5	378.9	23,000	62.4	382.0	27,200	65.1	385.6	29,500	124
125	60.3	378.4	22,800	62.1	381.4	27,000	64.9	385.2	29,500	125
130	58.7	375.4	21,700	60.6	378.7	26,100	63.4	382.7	29,400	130
135	57.2	372.2	20,800	59.1	375.7	25,000	61.9	380.1	29,300	135
140	55.6	368.8	19,900	57.6	372.6	24,000	60.4	377.3	29,200	140
145	54.0	365.3	19,000	56.0	369.3	23,000	58.9	374.3	29,000	145
150	52.4	361.5	18,200	54.4	365.8	22,100	57.4	371.2	28,200	150
155	50.7	357.5	17,300	52.8	362.1	21,100	55.8	367.8	27,300	155
156	50.4	356.6	17,200	52.5	361.3	20,900	55.5	367.1	27,100	156
160	49.0	353.2	16,600	51.1	358.1	20,200	54.2	364.3	26,300	160
165	47.2	348.7	15,800	49.4	353.9	19,400	52.6	360.5	25,300	165
170	45.4	343.8	15,200	47.7	349.4	18,600	50.9	356.6	24,300	170
175	43.6	338.7	14,500	45.9	344.7	17,700	49.2	352.3	23,400	175
180	41.6	333.2	14,000	44.1	339.6	17,000	47.5	347.8	22,500	180
185	39.6	327.3	13,400	42.1	334.2	16,300	45.7	343.0	21,500	185
188	38.4	323.5	13,100	40.9	330.7	15,900	44.6	340.0	21,000	188
190	37.5	320.9	12,800	40.1	328.4	15,600	43.8	337.9	20,600	190
195	35.3	314.1	12,400	38.1	322.2	15,000	41.9	332.5	19,700	195
200	33.0	306.6	11,900	35.9	315.5	14,500	39.9	326.6	18,800	200
205	30.5	298.4	11,600	33.6	308.1	14,000	37.8	320.3	17,900	205
210	27.8	289.3	11,200	31.1	300.1	13,400	35.6	313.5	17,000	210
215	24.8	279.0	11,000	28.5	291.3	12,900	33.3	306.2	16,200	215
220	21.4	267.1	10,700	25.6	281.3	12,600	30.8	298.1	15,400	220
225	17.4	252.6	10,500	22.3	269.9	11,900	28.1	289.1	14,500	225
230	12.2	233.2	9,600	18.5	256.2	11,000	25.2	279.0	13,400	230
234	4.9	205.6	8,300	13.4	237.0	10,200	22.3	268.7	12,500	234
240				5.7	208.3	9,000	18.0	253.2	11,300	240
250							3.5	198.8	9,000	250
259										259
260										260
270										270
274										274

# MLC250 S-3

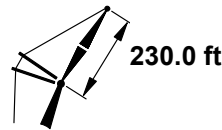
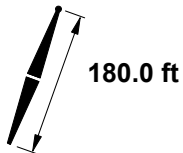
ASME B30.5



	80°			75°			70°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
70										70
75										75
80										80
83										83
85										85
90										90
95										95
100										100
104										104
105										105
110										110
115										115
120										120
124	67.8	388.2	29,500							124
125	67.5	387.8	29,500							125
130	66.1	385.7	29,500							130
135	64.7	383.3	29,500							135
140	63.2	380.8	29,500							140
145	61.7	378.2	29,100							145
150	60.2	375.4	27,700							150
155	58.7	372.4	26,300							155
156	58.4	371.8	26,000	63.0	376.9	22,300				156
160	57.2	369.2	25,000	61.8	374.8	21,300				160
165	55.6	365.9	23,800	60.3	372.0	20,200				165
170	54.0	362.3	22,600	58.8	369.0	19,200				170
175	52.4	358.5	21,600	57.3	365.8	18,300				175
180	50.7	354.5	20,600	55.7	362.5	17,400				180
185	49.0	350.2	19,600	54.1	358.9	16,500				185
188	47.9	347.5	19,100	53.1	356.6	16,000	57.9	362.1	12,200	188
190	47.2	345.7	18,700	52.5	355.1	15,700	57.2	360.9	11,900	190
195	45.4	340.8	17,900	50.8	351.1	14,900	55.7	357.5	11,200	195
200	43.5	335.7	17,100	49.1	346.9	14,200	54.1	353.9	10,500	200
205	41.6	330.2	16,300	47.3	342.3	13,400	52.4	350.2	9,900	205
210	39.6	324.3	15,600	45.5	337.5	12,700	50.8	346.1	9,200	210
215	37.5	317.9	14,900	43.7	332.4	12,000	49.1	341.9	8,600	215
220	35.3	311.0	14,300	41.7	326.9	11,400	47.3	337.4	8,100	220
225	32.9	303.6	13,600	39.7	321.0	10,800	45.5	332.5	7,500	225
230	30.4	295.4	13,000	37.6	314.7	10,200	43.6	327.4	7,000	230
234	28.1	287.6	12,600	35.8	309.0	9,700	42.0	322.8	6,600	234
240	24.7	275.9	11,900	33.1	300.4	9,100	39.7	316.0	6,000	240
250	17.4	249.5	10,800	27.9	283.2	8,000	35.4	302.8	5,100	250
259	4.7	201.9	9,800	22.2	263.3	7,100				259
260				21.6	261.1	7,100				260
270				12.5	227.8	6,100				270
274				5.6	201.7	5,700				274

# MLC250 S-3

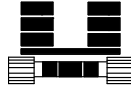
ASME B30.5



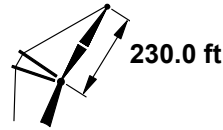
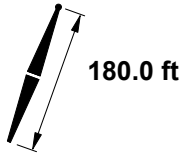
	88°			86°			83°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
72	75.9	410.8	25,800						72	
75	75.1	410.0	25,600						75	
80	73.8	408.5	25,300						80	
85	72.5	407.0	24,900						85	
86	72.3	406.7	24,800	73.9	408.2	29,300			86	
90	71.2	405.3	24,500	72.9	407.0	29,200			90	
95	69.9	403.5	24,100	71.6	405.4	29,000			95	
100	68.6	401.6	23,700	70.2	403.6	28,800			100	
105	67.2	399.5	23,300	68.9	401.7	28,500			105	
107	66.7	398.6	23,100	68.4	400.9	28,400	70.9	403.4	28,200	107
110	65.8	397.3	22,900	67.6	399.7	28,200	70.1	402.3	28,100	110
115	64.5	395.0	22,500	66.2	397.5	27,300	68.7	400.4	28,100	115
120	63.1	392.5	22,200	64.8	395.2	26,500	67.4	398.4	28,000	120
125	61.7	389.8	21,500	63.4	392.7	25,500	66.0	396.2	27,900	125
127	61.1	388.7	21,200	62.9	391.7	25,200	65.5	395.3	27,800	127
130	60.2	387.0	20,700	62.0	390.1	24,700	64.6	393.9	27,800	130
135	58.8	384.0	19,800	60.6	387.3	23,700	63.3	391.4	27,600	135
140	57.3	380.9	19,000	59.2	384.4	22,900	61.9	388.7	27,500	140
145	55.8	377.5	18,200	57.7	381.3	21,900	60.4	386.0	27,400	145
150	54.3	374.0	17,400	56.2	378.0	21,100	59.0	383.0	26,700	150
155	52.7	370.3	16,700	54.7	374.5	20,200	57.5	379.9	25,900	155
160	51.1	366.3	16,000	53.1	370.8	19,400	56.0	376.5	25,000	160
161	50.8	365.5	15,800	52.8	370.0	19,300	55.7	375.8	24,800	161
165	49.5	362.1	15,300	51.6	366.9	18,600	54.5	373.0	24,100	165
170	47.9	357.7	14,600	49.9	362.8	17,900	52.9	369.3	23,300	170
175	46.1	352.9	14,000	48.3	358.4	17,100	51.4	365.4	22,400	175
180	44.4	347.9	13,400	46.6	353.8	16,500	49.7	361.2	21,600	180
185	42.6	342.6	12,900	44.8	348.8	15,800	48.1	356.8	20,800	185
190	40.7	336.9	12,400	43.0	343.6	15,100	46.4	352.1	20,000	190
193	39.5	333.2	12,100	41.9	340.2	14,800	45.3	349.1	19,500	193
195	38.7	330.8	11,900	41.2	338.0	14,600	44.6	347.2	19,200	195
200	36.7	324.3	11,400	39.2	332.0	13,900	42.8	341.9	18,400	200
205	34.5	317.2	11,100	37.2	325.6	13,500	40.9	336.2	17,500	205
210	32.2	309.5	10,700	35.1	318.6	12,900	39.0	330.2	16,600	210
215	29.8	301.1	10,400	32.8	311.1	12,400	36.9	323.7	15,800	215
220	27.1	291.7	10,100	30.4	302.9	12,100	34.8	316.7	15,000	220
230	20.9	268.9	9,600	25.0	283.5	11,200	30.1	300.7	13,600	230
240	11.9	234.3	8,400	18.1	257.8	10,000	24.6	281.1	12,200	240
244	4.8	206.0	6,800	14.3	243.3	9,500	22.0	271.6	11,700	244
245				13.4	239.7	9,400	21.4	269.2	11,600	245
250				5.6	208.7	7,400	17.6	254.8	11,000	250
260							3.4	199.1	7,500	260
269										269
270										270
275										275

# MLC250 S-3

ASME B30.5



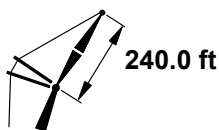
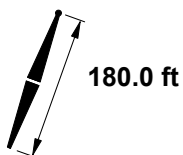
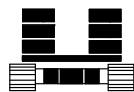
219,600 lb  
+  
80,000 lb



	80°			75°			70°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
72										72
75										75
80										80
85										85
86										86
90										90
95										95
100										100
105										105
107										107
110										110
115										115
120										120
125										125
127	68.0	397.8	29,500							127
130	67.2	396.6	29,500							130
135	65.8	394.4	29,500							135
140	64.5	392.0	29,500							140
145	63.1	389.5	28,800							145
150	61.7	386.9	27,300							150
155	60.2	384.0	26,000							155
160	58.8	381.1	24,700							160
161	58.5	380.4	24,400	62.9	385.6	20,800				161
165	57.3	377.9	23,500	61.7	383.4	19,900				165
170	55.8	374.6	22,300	60.3	380.6	18,900				170
175	54.3	371.0	21,300	58.9	377.6	17,900				175
180	52.7	367.3	20,300	57.4	374.5	17,000				180
185	51.1	363.3	19,300	55.9	371.2	16,200				185
190	49.5	359.1	18,400	54.4	367.6	15,300				190
193	48.5	356.4	17,900	53.4	365.4	14,800	58.0	370.8	11,000	193
195	47.8	354.7	17,600	52.8	363.9	14,500	57.4	369.5	10,700	195
200	46.1	349.9	16,800	51.2	360.0	13,700	55.9	366.2	10,000	200
205	44.4	344.9	16,000	49.6	355.8	13,000	54.3	362.7	9,400	205
210	42.5	339.6	15,300	47.9	351.3	12,300	52.8	358.9	8,800	210
215	40.6	333.9	14,600	46.2	346.6	11,600	51.2	355.0	8,200	215
220	38.7	327.8	14,000	44.5	341.6	10,900	49.6	350.8	7,600	220
230	34.5	314.2	12,700	40.8	330.6	9,700	46.2	341.6	6,500	230
240	29.7	298.0	11,600	36.8	318.0	8,600	42.6	331.3	5,600	240
244	27.6	290.5	11,200	35.0	312.4	8,200	41.1	326.8	5,200	244
245	27.1	288.6	11,100	34.6	311.0	8,100	40.7	325.6	5,100	245
250	24.2	278.1	10,600	32.3	303.3	7,600				250
260	17.0	251.0	9,500	27.3	285.6	6,600				260
269	4.6	202.3	8,400	21.7	265.3	5,800				269
270				21.1	263.0	5,800				270
275				17.2	248.3	5,300				275

# MLC250 S-3

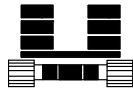
ASME B30.5



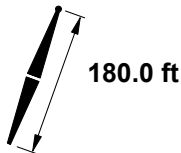
ft	88°			86°			83°			ft
	ft	lb	ft	ft	lb	ft	ft	lb	ft	
74	76.0	420.6	23,700							74
75	75.8	420.3	23,600							75
80	74.5	418.9	23,400							80
85	73.3	417.5	23,100							85
89	72.3	416.2	22,900	73.8	417.8	26,800				89
90	72.0	415.9	22,800	73.6	417.5	26,800				90
95	70.8	414.2	22,400	72.3	415.9	26,600				95
100	69.5	412.3	22,100	71.1	414.2	26,400				100
105	68.2	410.4	21,700	69.8	412.4	26,200				105
110	66.9	408.3	21,400	68.5	410.5	26,000	70.9	413.0	25,700	110
115	65.6	406.0	21,000	67.2	408.4	25,800	69.7	411.1	25,600	115
120	64.3	403.7	20,700	65.9	406.2	25,000	68.4	409.2	25,500	120
125	63.0	401.2	20,400	64.6	403.9	24,300	67.1	407.1	25,400	125
130	61.6	398.5	19,800	63.3	401.4	23,400	65.8	404.9	25,300	130
131	61.3	397.9	19,700	63.0	400.9	23,300	65.5	404.4	25,300	131
135	60.2	395.7	19,100	61.9	398.8	22,700	64.5	402.6	25,200	135
140	58.8	392.7	18,300	60.6	396.0	21,800	63.1	400.1	25,100	140
145	57.4	389.6	17,500	59.2	393.1	21,100	61.8	397.4	24,900	145
150	56.0	386.2	16,800	57.8	390.0	20,300	60.4	394.6	24,800	150
155	54.5	382.7	16,100	56.4	386.7	19,500	59.0	391.7	24,700	155
160	53.1	379.0	15,400	54.9	383.2	18,800	57.6	388.5	23,900	160
165	51.5	375.1	14,800	53.4	379.6	18,000	56.2	385.2	23,200	165
170	50.0	371.0	14,200	51.9	375.7	17,300	54.7	381.8	22,400	170
175	48.4	366.6	13,500	50.4	371.6	16,600	53.2	378.1	21,700	175
180	46.8	362.0	13,000	48.8	367.3	16,000	51.7	374.2	20,900	180
185	45.1	357.1	12,500	47.2	362.8	15,300	50.2	370.1	20,200	185
190	43.4	351.9	12,000	45.5	358.0	14,800	48.6	365.8	19,500	190
195	41.6	346.4	11,500	43.8	352.9	14,200	47.0	361.2	18,700	195
198	40.5	342.9	11,300	42.8	349.6	13,800	46.0	358.3	18,100	198
200	39.8	340.5	11,100	42.1	347.4	13,600	45.3	356.3	17,700	200
205	37.9	334.2	10,700	40.2	341.7	13,000	43.6	351.2	16,800	205
210	35.8	327.5	10,300	38.3	335.5	12,600	41.8	345.7	16,000	210
215	33.7	320.2	9,900	36.4	328.8	12,200	40.0	339.9	15,200	215
220	31.5	312.3	9,600	34.3	321.7	11,700	38.1	333.6	14,400	220
225	29.1	303.6	9,400	32.1	314.0	11,300	36.1	327.0	13,700	225
230	26.5	294.0	9,000	29.7	305.5	10,700	34.0	319.7	13,000	230
235	23.7	283.2	8,400	27.2	296.2	10,000	31.8	311.9	12,300	235
240	20.5	270.7	7,900	24.4	285.7	9,400	29.4	303.4	11,600	240
245	16.7	255.5	7,300	21.3	273.7	8,800	26.9	293.9	11,000	245
250	11.7	235.3	6,800	17.7	259.3	8,300	24.1	283.3	10,400	250
254	4.7	206.3	5,300	14.0	244.5	7,800	21.5	273.5	9,900	254
255				13.1	240.8	7,700	20.9	271.0	9,800	255
260				5.5	209.2	5,900	17.2	256.3	9,300	260
270							3.4	199.4	6,000	270
279										279

# MLC250 S-3

ASME B30.5



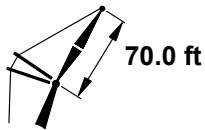
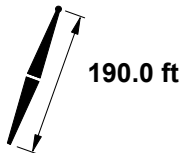
219,600 lb  
+  
80,000 lb



	80°			75°			70°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
74										74
75										75
80										80
85										85
89										89
90										90
95										95
100										100
105										105
110										110
115										115
120										120
125										125
130										130
131	67.9	407.0	26,900							131
135	66.9	405.3	26,900							135
140	65.6	403.1	26,900							140
145	64.3	400.7	26,900							145
150	62.9	398.2	26,800							150
155	61.6	395.5	25,500							155
160	60.2	392.7	24,200							160
165	58.8	389.7	23,000	63.0	394.7	19,400				165
170	57.4	386.6	21,800	61.7	392.1	18,300				170
175	56.0	383.3	20,800	60.3	389.3	17,300				175
180	54.5	379.7	19,800	58.9	386.3	16,300				180
185	53.0	376.0	18,900	57.5	383.2	15,400				185
190	51.5	372.1	18,000	56.1	379.9	14,500				190
195	50.0	368.0	17,100	54.6	376.4	13,700				195
198	49.0	365.4	16,600	53.7	374.1	13,300	58.0	379.5	9,500	198
200	48.4	363.6	16,300	53.1	372.7	12,900	57.5	378.2	9,200	200
205	46.8	359.0	15,600	51.6	368.8	12,200	56.0	374.9	8,600	205
210	45.1	354.1	14,800	50.1	364.7	11,500	54.6	371.4	8,000	210
215	43.4	348.9	14,200	48.5	360.3	10,800	53.1	367.7	7,400	215
220	41.6	343.4	13,500	46.9	355.7	10,200	51.6	363.8	6,800	220
225	39.8	337.5	12,900	45.2	350.8	9,600	50.0	359.7	6,300	225
230	37.8	331.2	12,300	43.5	345.6	9,000	48.5	355.3	5,800	230
235	35.8	324.5	11,700	41.7	340.1	8,400	46.8	350.7	5,300	235
240	33.7	317.2	11,100	39.9	334.3	7,900				240
245	31.5	309.3	10,500	37.9	328.0	7,400				245
250	29.1	300.6	10,000	35.9	321.3	6,900				250
254	27.0	292.9	9,500	34.3	315.5	6,500				254
255	26.5	291.0	9,400	33.8	314.0	6,400				255
260	23.7	280.2	8,900	31.6	306.2	6,000				260
270	16.6	252.4	7,900	26.7	288.0	5,100				270
279	4.5	202.6	6,800							279

# MLC250 S-3

ASME B30.5

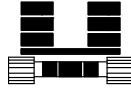


	88°			86°			83°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
34	74.4	265.1	89,100 d						34	
36	72.6	264.4	87,800 d						36	
38	70.9	263.7	86,600 d						38	
40	69.2	262.9	85,300 d						40	
41	68.3	262.5	84,700 d	74.0	264.5	102,800 d			41	
45	64.7	260.7	82,200 b	70.6	263.2	100,300 d			45	
50	60.0	258.0	79,200 b	66.1	261.1	97,000 b			50	
55	55.1	254.7	76,700	61.5	258.5	93,800 b	70.5	262.0	99,700 d	
60	49.9	250.7	74,500	56.7	255.4	88,700	66.0	259.9	96,900 b	
65	44.2	245.8	69,000	51.6	251.6	82,200	61.4	257.4	92,200 b	
68	40.3	242.2	66,200	48.3	248.9	78,400	58.5	255.5	89,500 b	
70	37.8	239.9	64,300	46.1	247.1	75,900	56.6	254.2	87,700	
75	30.3	232.1	60,300	39.9	241.5	70,400	51.5	250.5	81,400	
80	20.3	221.0	57,800	32.9	234.5	65,800	45.9	245.9	75,300	
83	10.2	209.1	57,500	27.5	228.7	63,600	42.2	242.5	72,100	
85				23.9	224.8	62,200	39.8	240.3	69,900	
90				8.0	206.0	58,400	32.7	233.2	65,200	
95							23.7	223.5	61,000	
100							7.2	204.0	57,100	
105									105	
110									110	
111									111	
115									115	
120									120	
125									125	
126									126	
130									130	
131									131	
135									135	
140									140	
142									142	
145									145	
150									150	
155									155	
157									157	

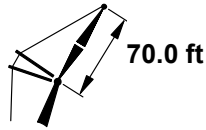
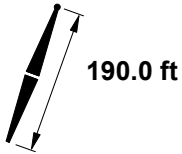


# MLC250 S-3

ASME B30.5



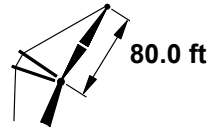
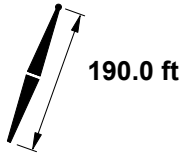
219,600 lb  
+  
80,000 lb



	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
34													34
36													36
38													38
40													40
41													41
45													45
50													50
55													55
60													60
65													65
68	67.7	259.2	90,400 c										68
70	65.9	258.3	87,200 b										70
75	61.3	255.7	79,900 b										75
80	56.4	252.5	73,700										80
83	53.3	250.2	70,400										83
85	51.3	248.7	68,200										85
90	45.7	244.1	63,500	62.3	252.5	57,500 b							90
95	39.6	238.5	59,300	57.6	249.5	53,700 b							95
100	32.4	231.3	55,500	52.5	245.9	50,300							100
105	23.3	221.4	52,100	47.0	241.5	47,200							105
110	5.6	200.5	48,800	41.0	236.1	44,500							110
111				39.7	234.8	44,000	57.3	244.2	39,400				111
115				34.2	229.4	41,900	53.3	241.3	37,600				115
120				25.7	220.3	39,600	47.9	237.0	35,500				120
125				12.4	204.9	37,400	42.0	231.8	33,600				125
126				6.9	198.2	36,900	40.6	230.5	33,300				126
130							35.3	225.3	31,800				130
131							33.6	223.6	31,500	52.5	234.2	27,900	131
135							27.1	216.7	30,200	48.2	230.7	26,700	135
140							15.2	203.0	28,600	42.3	225.6	25,400	140
142							4.3	189.9	27,900	39.6	223.0	24,900	142
145										35.6	219.1	24,100	145
150										27.5	210.7	22,900	150
155										15.9	197.4	21,700	155
157										6.8	186.4	21,200	157

# MLC250 S-3

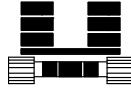
ASME B30.5



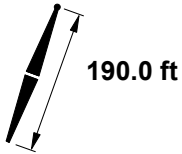
	88°			86°			83°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
35	75.6	275.2	82,100 d						35	
36	74.9	274.9	81,600 d						36	
38	73.4	274.3	80,500 d						38	
40	71.9	273.6	79,500 d						40	
44	68.8	272.1	77,300 d	73.8	274.0	93,800 d			44	
45	68.0	271.7	76,800 c	73.1	273.7	93,300 d			45	
50	64.1	269.4	74,200 b	69.3	271.9	90,700 b			50	
55	60.0	266.6	71,800	65.4	269.8	87,900 b			55	
58	57.4	264.7	70,500	63.0	268.2	85,800 b	70.7	271.6	91,400 c	
60	55.7	263.4	69,600	61.3	267.1	84,400	69.2	270.8	90,800 b	
65	51.2	259.5	66,000	57.1	264.1	78,600	65.3	268.6	88,700 b	
70	46.4	255.0	61,100	52.7	260.4	73,100	61.3	266.0	85,000	
72	44.3	252.9	59,400	50.8	258.7	70,900	59.6	264.8	83,200	
75	41.1	249.6	56,800	48.0	256.1	67,600	57.0	262.9	80,600	
80	35.2	243.0	53,200	42.9	251.1	62,800	52.6	259.3	74,600	
85	28.2	234.6	50,200	37.2	244.9	58,600	47.9	255.0	69,200	
90	18.9	222.6	48,400	30.6	237.2	55,000	42.8	249.9	64,500	
93	9.5	209.9	48,400	25.6	230.9	53,400	39.3	246.2	62,000	
94				24.0	228.8	52,800	38.2	244.9	61,200	
95				22.3	226.7	52,300	37.1	243.7	60,400	
100				7.4	206.6	50,600	30.5	235.9	56,600	
105							22.1	225.4	53,200	
110							6.7	204.5	50,000	
115									115	
116									116	
120									120	
125									125	
130									130	
135									135	
136									136	
137									137	
140									140	
145									145	
150									150	
152									152	
155									155	
160									160	
165									165	
167									167	

# MLC250 S-3

ASME B30.5



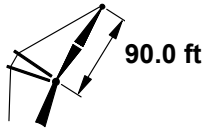
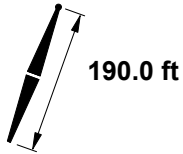
219,600 lb  
+  
80,000 lb



	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
35													35
36													36
38													38
40													40
44													44
45													45
50													50
55													55
58													58
60													60
65													65
70													70
72	67.5	268.3	83,500 b										72
75	65.2	267.0	79,300 b										75
80	61.1	264.3	73,100										80
85	56.9	261.2	67,700										85
90	52.4	257.5	63,000										90
93	49.6	254.9	60,500										93
94	48.7	254.1	59,600	62.9	261.7	53,800 b							94
95	47.7	253.2	58,800	62.0	261.2	53,100							95
100	42.6	248.1	55,100	57.9	258.2	49,700							100
105	36.9	241.9	51,700	53.5	254.7	46,600							105
110	30.2	234.0	48,700	48.8	250.5	43,900							110
115	21.7	223.3	45,900	43.8	245.6	41,400							115
116	18.4	218.8	45,300	42.7	244.4	41,000	57.7	252.8	36,500				116
120	5.2	200.8	43,200	38.2	239.6	39,100	54.2	250.0	34,900				120
125				31.8	232.2	37,000	49.5	246.0	33,000				125
130				23.9	222.4	35,100	44.6	241.2	31,300				130
135				11.5	205.8	33,200	39.1	235.4	29,700				135
136				6.4	198.7	32,800	37.9	234.0	29,400				136
137							36.6	232.5	29,100	52.6	242.2	25,500	137
140							32.9	228.3	28,200	49.8	239.7	24,700	140
145							25.3	218.9	26,700	44.8	234.9	23,500	145
150							14.1	204.2	25,400	39.4	229.2	22,300	150
152							3.9	190.1	24,800	36.9	226.4	21,900	152
155										33.2	222.1	21,200	155
160										25.7	212.9	20,200	160
165										14.8	198.7	19,100	165
167										6.3	186.9	18,700	167

# MLC250 S-3

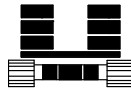
ASME B30.5



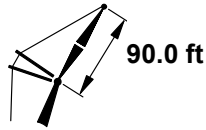
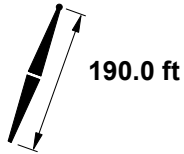
	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
37	75.9	285.0	75,400 d							37
38	75.3	284.7	75,000 d							38
40	74.0	284.1	74,200 d							40
45	70.6	282.5	72,000 c							45
47	69.2	281.6	71,100 c	73.7	283.6	86,000 d				47
50	67.2	280.4	69,800 b	71.7	282.6	84,800 b				50
55	63.6	278.1	67,700 b	68.3	280.7	82,600 b				55
60	60.0	275.3	65,700	64.8	278.4	80,300				60
61	59.2	274.6	65,300	64.1	277.9	79,400	70.9	281.1	83,900 b	61
65	56.2	272.1	63,800	61.2	275.8	75,800	68.2	279.6	82,900 b	65
70	52.3	268.4	59,200	57.5	272.7	70,700	64.7	277.3	81,300	70
75	48.1	264.1	55,000	53.6	269.2	65,800	61.1	274.7	78,300	75
76	47.1	263.1	54,300	52.7	268.4	65,000	60.4	274.1	77,500	76
80	43.6	259.1	51,200	49.4	265.1	61,400	57.4	271.6	74,400	80
85	38.6	253.2	47,900	45.1	260.3	57,000	53.5	268.0	69,000	85
90	33.1	246.0	45,100	40.3	254.8	53,200	49.4	263.9	64,300	90
95	26.5	237.0	42,800	35.0	248.1	49,900	45.0	259.2	60,100	95
99	19.5	226.7	41,800	30.0	241.4	47,600	41.1	254.7	57,100	99
100	17.7	224.2	41,500	28.8	239.8	47,000	40.2	253.6	56,400	100
103	8.9	210.6	41,500	24.1	233.0	45,800	37.0	249.5	54,400	103
105				21.0	228.6	44,900	34.8	246.8	53,000	105
110				6.9	207.1	44,200	28.6	238.5	49,900	110
115							20.8	227.2	47,100	115
120							6.2	204.9	44,500	120
121										121
125										125
130										130
135										135
140										140
143										143
145										145
146										146
150										150
155										155
160										160
162										162
165										165
170										170
175										175
177										177

# MLC250 S-3

ASME B30.5



219,600 lb  
+  
80,000 lb



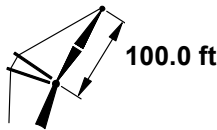
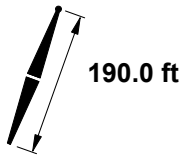
	80°			75°			70°			65°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
37													37
38													38
40													40
45													45
47													47
50													50
55													55
60													60
61													61
65													65
70													70
75													75
76	67.4	277.5	77,600 b										76
80	64.6	275.6	72,700										80
85	61.0	273.0	67,300										85
90	57.2	269.9	62,600										90
95	53.3	266.3	58,500										95
99	50.0	263.0	55,500	62.5	270.4	49,900							99
100	49.2	262.2	54,800	61.8	269.8	49,300							100
103	46.5	259.3	52,800	59.6	268.0	47,500							103
105	44.8	257.4	51,400	58.1	266.9	46,200							105
110	40.0	251.8	48,400	54.2	263.4	43,500							110
115	34.6	245.0	45,700	50.2	259.4	41,100							115
120	28.4	236.6	43,200	45.8	254.8	38,800							120
121	26.8	234.3	42,700	44.9	253.7	38,400	57.9	261.5	34,100				121
125	20.4	225.1	40,900	41.1	249.3	36,700	54.8	258.8	32,600				125
130	4.8	201.2	38,600	35.9	242.9	34,800	50.8	254.9	30,900				130
135				29.9	234.9	33,100	46.5	250.3	29,300				135
140				22.5	224.4	31,400	41.9	245.0	27,800				140
143				15.5	213.8	30,400	38.8	241.3	27,000	52.6	250.2	23,500	143
145				10.8	206.7	29,800	36.7	238.8	26,500	51.0	248.5	23,100	145
146				5.9	199.2	29,500	35.6	237.2	26,200	50.1	247.6	22,800	146
150							30.9	231.0	25,200	46.7	244.0	21,900	150
155							23.7	221.0	24,000	42.1	238.8	20,900	155
160							13.3	205.3	22,800	37.0	232.6	19,900	160
162							3.6	190.4	22,200	34.7	229.5	19,500	162
165										31.2	224.9	18,900	165
170										24.1	215.0	18,000	170
175										13.9	199.9	17,100	175
177										5.9	187.3	16,700	177

# MLC250 S-3

ASME B30.5



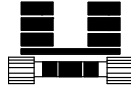
219,600 lb  
+  
80,000 lb



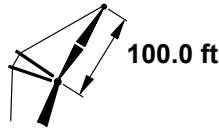
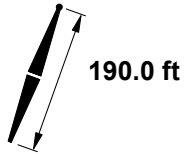
	88°			86°			83°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
40	75.6	294.5	69,000 d						40	
45	72.6	293.0	67,200 c						45	
50	69.6	291.3	65,300 b	73.6	293.1	78,900 b			50	
55	66.5	289.2	63,200 b	70.6	291.4	77,200 b			55	
60	63.3	286.7	61,300	67.5	289.4	75,300			60	
65	60.0	283.9	59,600	64.3	287.1	72,300	70.5	290.3	77,000 b	
70	56.6	280.8	57,100	61.1	284.5	67,800	67.4	288.3	75,900	
75	53.1	277.2	53,200	57.7	281.4	63,400	64.3	286.0	74,600	
79	50.1	273.8	50,100	54.9	278.6	60,100	61.7	283.9	73,100	
80	49.4	273.0	49,400	54.2	277.9	59,200	61.0	283.3	72,700	
85	45.4	268.3	46,000	50.6	274.0	55,400	57.6	280.3	68,300	
90	41.2	262.9	43,000	46.7	269.5	51,700	54.2	276.8	63,600	
95	36.5	256.5	40,500	42.6	264.3	48,200	50.5	272.8	59,400	
100	31.3	248.8	38,300	38.1	258.2	45,100	46.6	268.3	55,700	
103	27.6	243.1	37,200	35.1	253.9	43,500	44.1	265.2	53,700	
105	25.1	239.2	36,600	33.1	251.1	42,500	42.5	263.1	52,300	
110	16.8	225.6	35,600	27.2	242.2	40,300	38.0	257.0	49,300	
113	8.4	211.3	35,600	22.8	235.0	39,300	35.0	252.7	47,600	
115				19.8	230.3	38,600	33.0	249.8	46,500	
120				6.5	207.6	38,200	27.1	240.9	43,900	
125							19.7	228.9	41,600	
127							14.1	219.5	40,700	
130							5.9	205.4	39,400	
135									135	
140									140	
145									145	
149									149	
150									150	
155									155	
156									156	
160									160	
165									165	
170									170	
172									172	
175									175	
180									180	
185									185	
187									187	

# MLC250 S-3

ASME B30.5



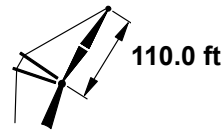
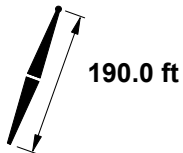
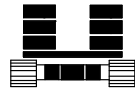
219,600 lb  
+  
80,000 lb



	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
40													40
45													45
50													50
55													55
60													60
65													65
70													70
75													75
79	67.9	287.1	73,300										79
80	67.3	286.7	72,100										80
85	64.1	284.3	66,700										85
90	60.9	281.6	62,100										90
95	57.5	278.6	57,900										95
100	54.0	275.1	54,200										100
103	51.8	272.7	52,200	62.9	279.6	46,800							103
105	50.4	271.1	50,900	61.6	278.5	45,600							105
110	46.5	266.5	47,900	58.3	275.5	42,900							110
113	44.0	263.4	46,300	56.2	273.5	41,400							113
115	42.3	261.3	45,200	54.8	272.1	40,400							115
120	37.8	255.2	42,800	51.2	268.3	38,200							120
125	32.9	247.9	40,500	47.4	263.9	36,200							125
127	30.4	244.3	39,700	45.8	261.8	35,400	57.4	269.6	31,200				127
130	26.9	238.9	38,400	43.3	258.8	34,300	55.4	267.5	30,200				130
135	19.3	226.8	36,400	38.9	252.9	32,500	51.8	263.7	28,600				135
140	4.5	201.5	34,500	34.0	245.9	30,900	48.0	259.4	27,200				140
145				28.3	237.4	29,400	43.9	254.4	25,900				145
149				22.7	228.5	28,300	40.5	249.8	24,900	52.7	258.2	21,500	149
150				21.3	226.2	28,000	39.6	248.7	24,600	51.9	257.4	21,200	150
155				10.2	207.6	26,600	34.8	241.9	23,400	48.2	253.1	20,200	155
156				5.6	199.6	26,300	33.6	240.2	23,200	47.4	252.1	20,000	156
160							29.2	233.7	22,300	44.1	248.1	19,200	160
165							22.5	223.0	21,300	39.8	242.4	18,300	165
170							12.5	206.4	20,200	35.0	235.7	17,400	170
172							3.4	190.6	19,700	32.8	232.5	17,100	172
175										29.5	227.6	16,600	175
180										22.8	217.1	15,800	180
185										13.2	201.0	15,000	185
187										5.5	187.7	14,600	187

# MLC250 S-3

ASME B30.5



	88°			86°			83°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
42	75.9	304.3	63,600 d						42	
45	74.2	303.5	62,800 d						45	
50	71.5	301.9	61,100 b						50	
52	70.4	301.1	60,300 b	74.0	303.0	72,900 b			52	
55	68.7	300.0	59,200 b	72.4	302.0	72,100 b			55	
60	65.9	297.9	57,400	69.6	300.2	70,600			60	
65	63.0	295.4	56,600	66.8	298.2	69,000			65	
68	61.2	293.7	55,600	65.1	296.7	66,600	70.7	299.9	71,000	68
70	60.0	292.6	54,900	63.9	295.8	65,100	69.6	299.1	70,800	70
75	56.9	289.5	51,200	61.0	293.1	61,200	66.8	297.1	69,800	75
80	53.7	285.9	47,900	57.9	290.1	57,300	63.9	294.7	68,700	80
83	51.7	283.5	46,000	56.0	288.0	55,100	62.1	293.1	67,900	83
85	50.4	281.9	44,600	54.8	286.7	53,600	60.9	292.0	67,400	85
90	46.9	277.4	41,700	51.5	282.8	50,100	57.9	289.0	63,400	90
95	43.2	272.3	39,000	48.0	278.5	47,000	54.7	285.5	59,200	95
100	39.2	266.4	36,700	44.4	273.6	43,900	51.4	281.7	55,500	100
105	34.8	259.6	34,700	40.5	268.0	41,200	48.0	277.3	52,100	105
108	31.8	254.7	33,600	37.9	264.1	39,700	45.8	274.4	50,300	108
110	29.8	251.5	32,900	36.2	261.5	38,700	44.3	272.4	49,100	110
115	23.9	241.3	31,500	31.5	253.9	36,600	40.4	266.8	46,300	115
120	16.0	227.0	30,800	25.9	244.5	34,900	36.1	260.3	43,800	120
123	8.0	211.9	30,800	21.7	237.0	34,100	33.3	255.7	42,400	123
125				18.9	231.9	33,600	31.4	252.6	41,500	125
130				6.2	208.1	33,300	25.8	243.2	39,300	130
132							22.9	238.1	38,500	132
135							18.7	230.5	37,300	135
140							5.5	205.8	35,400	140
145										145
150										150
155										155
160										160
165										165
166										166
170										170
175										175
180										180
182										182
185										185
190										190
195										195
197										197

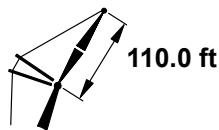
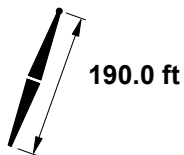


# MLC250 S-3

ASME B30.5



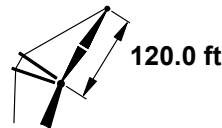
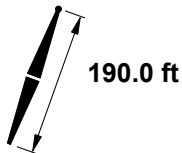
219,600 lb  
+  
80,000 lb



	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
42													42
45													45
50													50
52													52
55													55
60													60
65													65
68													68
70													70
75													75
80													80
83	67.8	296.3	68,600										83
85	66.7	295.4	66,600										85
90	63.8	293.0	61,900										90
95	60.8	290.3	57,800										95
100	57.8	287.2	54,100										100
105	54.6	283.8	50,800										105
108	52.6	281.5	49,000	62.7	288.3	43,800							108
110	51.3	279.9	47,800	61.5	287.2	42,700							110
115	47.8	275.6	45,100	58.5	284.2	40,300							115
120	44.2	270.6	42,700	55.3	280.9	38,100							120
123	41.8	267.3	41,300	53.4	278.6	36,800							123
125	40.3	265.0	40,400	52.1	277.1	36,000							125
130	36.0	258.5	38,300	48.6	272.8	34,200							130
132	34.0	255.4	37,600	47.2	270.9	33,500	57.7	278.2	29,400				132
135	31.2	250.7	36,400	45.0	268.0	32,400	55.8	276.2	28,500				135
140	25.6	241.2	34,700	41.2	262.6	30,800	52.6	272.5	27,000				140
145	18.4	228.4	33,000	37.0	256.3	29,300	49.2	268.3	25,700				145
150	4.3	201.8	31,300	32.3	248.8	28,000	45.6	263.6	24,500				150
155				26.9	239.8	26,700	41.8	258.3	23,300	52.7	266.2	20,000	155
160				20.3	228.0	25,400	37.6	252.1	22,200	49.3	262.0	19,000	160
165				9.7	208.4	24,200	33.1	244.9	21,200	45.8	257.3	18,100	165
166				5.3	200.0	23,900	32.0	243.1	21,000	45.0	256.3	18,000	166
170							27.8	236.1	20,200	42.0	252.0	17,300	170
175							21.4	224.9	19,300	37.8	245.9	16,500	175
180							11.9	207.4	18,400	33.3	238.7	15,700	180
182							3.2	190.8	17,900	31.2	235.3	15,400	182
185										28.1	230.1	15,000	185
190										21.7	219.0	14,300	190
195										12.5	202.0	13,500	195
197										5.2	188.1	13,200	197

# MLC250 S-3

ASME B30.5



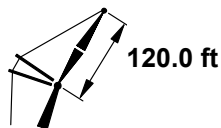
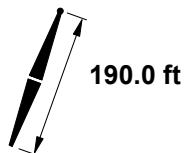
	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
45	75.6	313.9	58,400 d							45
50	73.1	312.4	57,000 b							50
55	70.6	310.7	55,400 b	73.9	312.5	67,100 b				55
60	68.0	308.8	54,500	71.4	310.9	66,000				60
65	65.4	306.6	53,100	68.9	309.0	64,700				65
70	62.7	304.1	51,800	66.3	306.9	62,100				70
71	62.2	303.5	51,300	65.7	306.4	61,400	70.8	309.4	65,300	71
75	60.0	301.3	49,300	63.6	304.5	58,600	68.8	307.9	65,000	75
80	57.2	298.1	46,100	60.9	301.8	55,200	66.2	305.8	64,200	80
85	54.3	294.7	43,300	58.1	298.8	51,900	63.6	303.4	63,300	85
87	53.1	293.1	42,200	57.0	297.4	50,600	62.5	302.3	62,700	87
90	51.3	290.8	40,500	55.2	295.4	48,700	60.8	300.7	61,800	90
95	48.1	286.4	37,800	52.2	291.6	45,600	58.0	297.6	58,500	95
100	44.8	281.6	35,500	49.1	287.5	42,700	55.2	294.3	54,800	100
105	41.2	276.1	33,400	45.9	282.8	40,200	52.2	290.5	51,400	105
110	37.4	269.8	31,500	42.4	277.5	37,700	49.1	286.3	48,400	110
112	35.7	266.9	30,900	40.9	275.1	36,800	47.7	284.4	47,300	112
115	33.2	262.6	29,900	38.7	271.5	35,500	45.8	281.6	45,700	115
120	28.5	254.0	28,500	34.6	264.7	33,500	42.3	276.3	43,100	120
125	22.8	243.3	27,500	30.1	256.6	31,800	38.6	270.3	40,800	125
130	15.2	228.3	26,900	24.8	246.7	30,400	34.5	263.4	38,600	130
133	7.6	212.6	26,900	20.7	238.8	29,800	31.8	258.5	37,300	133
135				18.0	233.5	29,400	30.0	255.3	36,500	135
137				13.2	223.5	29,300	27.8	251.3	35,700	137
140				5.9	208.6	29,200	24.6	245.4	34,700	140
145							17.9	232.1	33,200	145
150							5.3	206.2	31,500	150
155										155
160										160
161										161
165										165
170										170
175										175
176										176
180										180
185										185
190										190
192										192
195										195
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205										205
207										207

# MLC250 S-3

ASME B30.5



219,600 lb  
+  
80,000 lb



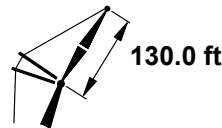
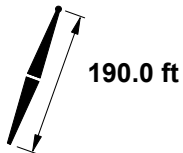
	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
45													45
50													50
55													55
60													60
65													65
70													70
71													71
75													75
80													80
85													85
87	67.7	305.4	64,000										87
90	66.1	304.1	61,300										90
95	63.5	301.7	57,200										95
100	60.7	299.0	53,500										100
105	57.9	295.9	50,200										105
110	55.1	292.5	47,300										110
112	53.9	291.0	46,200	63.0	297.5	41,100							112
115	52.1	288.8	44,600	61.4	295.8	39,600							115
120	48.9	284.5	42,100	58.6	292.9	37,400							120
125	45.7	279.8	39,900	55.7	289.6	35,400							125
130	42.2	274.5	37,900	52.8	285.9	33,600							130
133	39.9	270.9	36,700	50.9	283.4	32,500							133
135	38.4	268.5	36,000	49.7	281.8	31,800							135
137	36.8	265.7	35,300	48.4	279.9	31,200	57.9	286.9	27,200				137
140	34.4	261.6	34,200	46.4	277.2	30,300	56.2	284.9	26,400				140
145	29.8	253.4	32,600	43.0	272.0	28,800	53.2	281.3	25,100				145
150	24.4	243.4	31,000	39.3	266.2	27,400	50.1	277.2	23,800				150
155	17.6	229.9	29,600	35.3	259.5	26,100	46.9	272.7	22,700				155
160	4.1	202.1	28,100	30.9	251.6	24,900	43.5	267.7	21,600				160
161				29.9	249.7	24,700	42.8	266.5	21,400	52.8	274.2	18,200	161
165				25.7	242.1	23,800	39.9	261.9	20,600	50.3	270.9	17,500	165
170				19.4	229.7	22,700	36.0	255.4	19,700	47.1	266.4	16,600	170
175				9.2	209.1	21,600	31.6	247.7	18,800	43.7	261.4	15,800	175
176				5.0	200.4	21,400	30.6	245.9	18,600	43.0	260.3	15,700	176
180							26.6	238.5	17,900	40.1	255.7	15,100	180
185							20.4	226.6	17,100	36.2	249.2	14,400	185
190							11.4	208.3	16,300	31.8	241.6	13,700	190
192							3.0	191.0	15,900	29.8	237.9	13,400	192
195										26.8	232.4	13,000	195
200										20.8	220.8	12,400	200
205										12.0	203.0	11,700	205
207										5.0	188.5	11,400	207

# MLC250 S-3

ASME B30.5



219,600 lb  
+  
80,000 lb



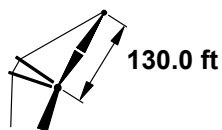
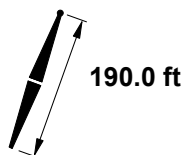
	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
47	75.8	323.7	54,000 d							47
50	74.4	322.9	53,300 b							50
55	72.1	321.3	52,400 b							55
58	70.7	320.3	51,700 b	73.8	322.0	59,000				58
60	69.8	319.5	51,300	72.9	321.4	59,000				60
65	67.4	317.5	49,900	70.6	319.7	59,000				65
70	65.0	315.3	47,900	68.2	317.8	59,000				70
74	63.0	313.2	47,000	66.3	316.0	57,000	71.0	319.0	59,000	74
75	62.5	312.7	46,700	65.8	315.6	56,600	70.5	318.6	59,000	75
80	60.0	309.9	45,100	63.3	313.2	53,600	68.1	316.7	59,000	80
85	57.4	306.8	42,300	60.8	310.4	50,600	65.7	314.5	59,000	85
90	54.7	303.4	39,700	58.3	307.4	47,700	63.3	312.0	58,400	90
91	54.2	302.6	39,200	57.7	306.8	47,100	62.8	311.5	58,100	91
95	52.0	299.6	37,300	55.6	304.1	44,900	60.8	309.3	56,800	95
100	49.1	295.4	35,100	52.9	300.4	42,200	58.2	306.3	54,100	100
105	46.1	290.7	32,900	50.0	296.4	39,600	55.6	303.0	51,200	105
110	42.9	285.5	31,000	47.1	291.9	37,400	52.8	299.3	48,200	110
115	39.5	279.7	29,200	43.9	286.8	35,200	50.0	295.2	45,400	115
117	38.1	277.1	28,600	42.6	284.6	34,400	48.8	293.4	44,400	117
120	35.9	273.1	27,700	40.6	281.2	33,100	47.0	290.7	42,900	120
125	31.8	265.5	26,400	37.1	274.9	31,300	43.9	285.7	40,500	125
130	27.3	256.5	25,300	33.2	267.6	29,600	40.6	280.0	38,300	130
135	21.9	245.2	24,500	28.8	259.1	28,200	37.0	273.7	36,400	135
140	14.6	229.5	24,000	23.8	248.8	27,100	33.1	266.4	34,300	140
143	7.3	213.1	24,000	19.9	240.5	26,600	30.5	261.3	33,200	143
145				17.3	235.0	26,300	28.7	257.9	32,500	145
150				5.6	209.0	26,200	23.6	247.4	31,000	150
155							17.1	233.6	29,800	155
160							5.0	206.6	28,300	160
165										165
167										167
170										170
175										175
180										180
185										185
186										186
190										190
195										195
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# MLC250 S-3

ASME B30.5



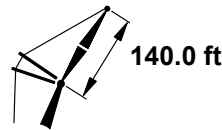
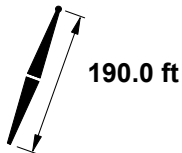
219,600 lb  
+  
80,000 lb



	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
47													47
50													50
55													55
58													58
60													60
65													65
70													70
74													74
75													75
80													80
85													85
90													90
91	67.6	314.6	59,000										91
95	65.6	312.8	56,800										95
100	63.2	310.4	53,100										100
105	60.7	307.6	49,800										105
110	58.1	304.6	46,900										110
115	55.5	301.2	44,200										115
117	54.4	299.8	43,200	62.8	306.1	38,300							117
120	52.7	297.6	41,800	61.3	304.5	37,000							120
125	49.9	293.5	39,600	58.7	301.5	35,000							125
130	46.9	288.9	37,500	56.1	298.3	33,100							130
135	43.8	283.9	35,600	53.3	294.6	31,400							135
140	40.4	278.2	33,900	50.5	290.7	29,900							140
143	38.3	274.4	32,900	48.8	288.0	29,000	57.5	294.9	25,100				143
145	36.9	271.9	32,300	47.6	286.2	28,400	56.5	293.6	24,600				145
150	33.0	264.5	30,800	44.5	281.3	27,100	53.8	290.0	23,400				150
155	28.6	255.9	29,300	41.2	275.8	25,800	51.0	286.1	22,300				155
160	23.4	245.4	28,000	37.7	269.6	24,600	48.0	281.7	21,200				160
165	16.9	231.4	26,700	33.9	262.5	23,500	45.0	276.9	20,200				165
167	11.7	219.8	26,200	32.2	259.2	23,100	43.7	274.7	19,800	52.8	282.2	16,700	167
170	3.9	202.4	25,500	29.6	254.3	22,400	41.7	271.5	19,300	51.1	279.8	16,200	170
175				24.7	244.3	21,400	38.2	265.4	18,400	48.2	275.4	15,400	175
180				18.6	231.3	20,500	34.5	258.5	17,500	45.1	270.6	14,700	180
185				8.9	209.9	19,500	30.3	250.4	16,800	41.9	265.2	14,000	185
186				4.8	200.7	19,300	29.3	248.5	16,600	41.2	264.0	13,800	186
190							25.5	240.7	16,000	38.4	259.2	13,200	190
195							19.6	228.3	15,300	34.7	252.3	12,600	195
200							10.9	209.3	14,500	30.5	244.3	11,900	200
202							2.9	191.2	14,200	28.6	240.5	11,600	202
205										25.7	234.7	11,300	205
210										19.9	222.5	10,700	210
215										11.5	204.0	10,000	215
217										4.7	188.9	9,700	217

# MLC250 S-3

ASME B30.5



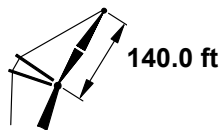
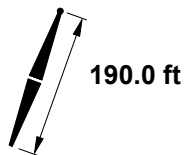
	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
49	76.0	333.5	49,900 c							49
50	75.6	333.3	49,700 c							50
55	73.5	331.8	48,900 b							55
60	71.3	330.2	47,300							60
61	70.9	329.8	47,100	73.7	331.6	57,000				61
65	69.1	328.3	46,100	72.0	330.3	56,400				65
70	66.9	326.3	45,600	69.8	328.5	55,700				70
75	64.6	324.0	43,900	67.6	326.5	53,800				75
78	63.3	322.4	43,600	66.3	325.2	52,300	70.7	328.2	55,400	78
80	62.4	321.4	43,400	65.4	324.3	51,200	69.8	327.4	55,400	80
85	60.0	318.6	40,800	63.1	321.8	48,600	67.6	325.4	55,100	85
90	57.6	315.5	38,400	60.8	319.1	46,000	65.3	323.2	54,600	90
94	55.6	312.8	36,600	58.9	316.7	43,900	63.5	321.2	54,100	94
95	55.1	312.1	36,100	58.4	316.1	43,400	63.1	320.7	54,000	95
100	52.6	308.4	34,100	55.9	312.8	41,000	60.7	318.0	52,000	100
105	49.9	304.3	32,100	53.4	309.2	38,600	58.3	315.0	49,600	105
110	47.2	299.8	30,200	50.8	305.2	36,400	55.9	311.7	47,100	110
115	44.3	294.8	28,400	48.1	300.9	34,300	53.4	308.0	44,600	115
120	41.2	289.3	26,800	45.2	296.1	32,400	50.7	304.1	42,200	120
121	40.6	288.1	26,600	44.6	295.0	32,100	50.2	303.2	41,700	121
125	38.0	283.2	25,500	42.3	290.7	30,700	48.0	299.7	39,800	125
130	34.5	276.2	24,200	39.1	284.8	28,900	45.2	294.9	37,700	130
135	30.6	268.2	23,200	35.7	278.1	27,400	42.2	289.5	35,700	135
140	26.3	258.8	22,200	31.9	270.5	26,100	39.0	283.6	33,700	140
145	21.1	247.1	21,600	27.8	261.6	24,900	35.6	276.9	32,000	145
148	16.9	237.3	21,400	24.8	255.1	24,400	33.3	272.3	31,000	148
150	14.1	230.7	21,300	22.9	250.8	24,000	31.8	269.3	30,300	150
153	7.0	213.7	21,300	19.1	242.2	23,600	29.3	263.9	29,400	153
155				16.7	236.4	23,300	27.7	260.3	28,800	155
160				5.4	209.4	23,300	22.8	249.4	27,600	160
165							16.5	235.0	26,500	165
170							4.8	207.0	25,200	170
173										173
175										175
180										180
185										185
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195										195
196										196
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227										227

# MLC250 S-3

ASME B30.5



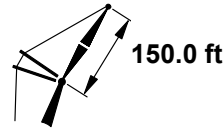
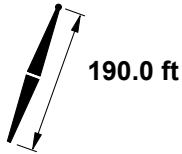
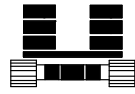
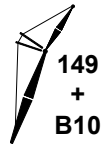
219,600 lb  
+  
80,000 lb



	80°			75°			70°			65°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
49													49
50													50
55													55
60													60
61													61
65													65
70													70
75													75
78													78
80													80
85													85
90													90
94	67.9	324.2	56,900										94
95	67.5	323.7	56,200										95
100	65.3	321.5	52,500										100
105	63.0	319.0	49,300										105
110	60.6	316.3	46,300										110
115	58.2	313.3	43,700										115
120	55.8	310.0	41,200										120
121	55.3	309.2	40,800	63.0	315.3	35,900							121
125	53.3	306.3	39,000	61.2	313.1	34,400							125
130	50.6	302.3	37,000	58.8	310.2	32,500							130
135	47.9	297.9	35,100	56.4	307.0	30,800							135
140	45.1	293.1	33,400	53.8	303.4	29,300							140
145	42.1	287.8	31,800	51.2	299.5	27,800							145
148	40.2	284.2	30,900	49.6	296.9	27,000	57.7	303.6	23,200				148
150	38.9	281.8	30,300	48.6	295.2	26,500	56.7	302.3	22,700				150
153	36.8	277.7	29,400	46.9	292.4	25,700	55.2	300.2	22,100				153
155	35.5	275.1	28,900	45.7	290.5	25,200	54.2	298.8	21,600				155
160	31.7	267.4	27,600	42.8	285.2	24,000	51.6	294.9	20,600				160
165	27.5	258.4	26,300	39.6	279.4	22,900	49.0	290.7	19,600				165
170	22.6	247.4	25,200	36.3	272.9	21,900	46.2	286.0	18,700				170
173	18.8	238.6	24,500	34.1	268.4	21,300	44.4	283.0	18,100	52.8	290.2	14,900	173
175	16.2	232.8	24,000	32.6	265.5	20,900	43.2	280.9	17,800	51.8	288.6	14,500	175
180	3.7	202.7	22,900	28.5	256.8	20,000	40.1	275.2	17,000	49.1	284.4	13,800	180
185				23.8	246.4	19,100	36.8	268.8	16,200	46.3	279.8	13,000	185
190				17.9	232.8	18,200	33.2	261.5	15,400	43.4	274.6	12,300	190
195				8.5	210.6	17,400	29.2	253.0	14,700	40.3	268.9	11,700	195
196				4.6	201.1	17,200	28.2	251.0	14,600	39.6	267.7	11,500	196
200							24.5	242.9	14,100	37.0	262.6	11,000	200
205							18.9	230.0	13,400	33.3	255.3	10,400	205
210							10.5	210.1	12,700	29.4	246.9	9,800	210
212							2.7	191.4	12,400	27.3	242.4	9,600	212
220										19.2	224.2	8,700	220
227										4.5	189.2	7,900	227

# MLC250 S-3

ASME B30.5

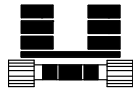


	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
52	75.8	343.1	46,000 b							52
55	74.6	342.3	45,400 b							55
60	72.6	340.7	44,900							60
63	71.4	339.7	43,900	74.0	341.4	52,800				63
65	70.6	339.0	43,300	73.2	340.8	52,600				65
70	68.5	337.1	42,900	71.2	339.2	52,000				70
75	66.5	335.0	41,300	69.2	337.3	51,200				75
80	64.3	332.6	40,900	67.1	335.3	48,900				80
81	63.9	332.1	40,600	66.7	334.8	48,500	70.8	337.7	51,200	81
85	62.2	330.1	39,400	65.0	333.0	46,700	69.1	336.2	51,100	85
90	60.0	327.2	37,200	62.9	330.5	44,300	67.1	334.1	50,800	90
95	57.8	324.2	35,000	60.7	327.8	42,100	65.0	331.9	50,400	95
98	56.4	322.2	33,800	59.4	326.0	40,700	63.7	330.4	50,100	98
100	55.5	320.8	33,000	58.5	324.8	39,800	62.8	329.4	49,900	100
105	53.1	317.2	31,200	56.2	321.5	37,600	60.7	326.6	47,800	105
110	50.6	313.2	29,400	53.9	317.9	35,500	58.4	323.6	45,600	110
115	48.1	308.8	27,800	51.4	314.1	33,600	56.2	320.4	43,400	115
120	45.5	304.0	26,200	48.9	309.8	31,700	53.8	316.8	41,200	120
125	42.7	298.8	24,800	46.3	305.2	29,900	51.4	312.9	39,100	125
126	42.1	297.6	24,500	45.8	304.2	29,600	50.9	312.1	38,700	126
130	39.8	293.0	23,500	43.6	300.1	28,400	48.9	308.7	37,100	130
135	36.7	286.5	22,400	40.7	294.5	26,800	46.3	304.0	35,100	135
140	33.3	279.2	21,400	37.7	288.2	25,400	43.6	298.9	33,200	140
145	29.6	270.9	20,500	34.4	281.2	24,200	40.7	293.3	31,500	145
150	25.3	261.0	19,800	30.8	273.3	23,000	37.6	287.0	29,800	150
153	22.3	253.7	19,400	28.4	267.7	22,500	35.6	282.8	29,000	153
155	20.3	248.9	19,200	26.8	264.0	22,200	34.3	280.0	28,500	155
160	13.6	231.9	19,000	22.1	252.7	21,300	30.7	272.0	27,000	160
163	6.7	214.3	19,000	18.5	243.8	21,100	28.3	266.4	26,200	163
165				16.1	237.8	20,900	26.7	262.7	25,700	165
170				5.2	209.9	20,900	22.0	251.4	24,700	170
175							15.9	236.4	23,900	175
179							6.9	213.2	23,000	179
180							4.7	207.4	22,800	180
185										185
190										190
195										195
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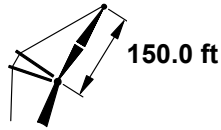
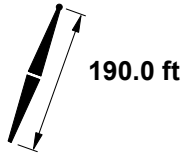


# MLC250 S-3

ASME B30.5



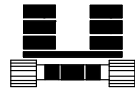
219,600 lb  
+  
80,000 lb



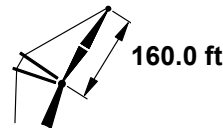
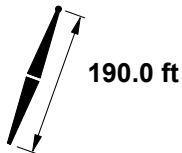
	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
52													52
55													55
60													60
63													63
65													65
70													70
75													75
80													80
81													81
85													85
90													90
95													95
98	67.8	333.3	53,700										98
100	67.0	332.5	52,300										100
105	64.9	330.2	49,100										105
110	62.8	327.7	46,100										110
115	60.6	324.9	43,500										115
120	58.4	321.9	41,000										120
125	56.1	318.7	38,800										125
126	55.6	317.9	38,400	62.8	324.0	33,800							126
130	53.7	315.1	36,800	61.1	321.8	32,300							130
135	51.3	311.2	34,900	58.9	318.9	30,600							135
140	48.8	306.9	33,200	56.6	315.6	29,100							140
145	46.2	302.2	31,600	54.3	312.1	27,600							145
150	43.5	297.1	30,100	51.9	308.3	26,300							150
153	41.7	293.7	29,300	50.4	305.8	25,500	57.9	312.3	21,900				153
155	40.6	291.5	28,700	49.4	304.1	25,000	56.9	311.0	21,400				155
160	37.5	285.2	27,400	46.8	299.6	23,900	54.6	307.5	20,400				160
163	35.5	281.0	26,700	45.2	296.6	23,200	53.2	305.2	19,800				163
165	34.2	278.1	26,200	44.1	294.6	22,800	52.2	303.7	19,400				165
170	30.6	270.1	25,100	41.2	289.0	21,700	49.8	299.6	18,500				170
175	26.5	260.7	24,000	38.2	282.9	20,800	47.2	295.1	17,600				175
179	22.7	251.6	23,100	35.6	277.4	20,000	45.0	291.1	17,000	52.8	298.2	13,600	179
180	21.8	249.3	22,900	35.0	276.1	19,900	44.5	290.2	16,800	52.3	297.4	13,500	180
185	15.6	234.1	21,900	31.4	268.3	19,000	41.7	284.7	16,000	49.9	293.3	12,700	185
190	3.6	202.9	20,900	27.5	259.2	18,100	38.7	278.7	15,300	47.3	288.8	12,000	190
195				22.9	248.4	17,400	35.5	272.0	14,600	44.6	283.9	11,400	195
200				17.2	234.3	16,600	32.0	264.3	13,900	41.8	278.5	10,800	200
205				8.2	211.2	15,800	28.1	255.5	13,300	38.8	272.5	10,200	205
206				4.4	201.4	15,600	27.2	253.4	13,200	38.2	271.1	10,000	206
210							23.7	245.0	12,700	35.6	265.8	9,600	210
220							10.1	211.0	11,500	28.3	249.4	8,500	220
222							2.6	191.5	11,200	26.4	244.7	8,300	222
230										18.5	225.8	7,500	230
237										4.4	189.6	6,700	237

# MLC250 S-3

ASME B30.5



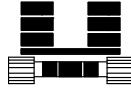
219,600 lb  
+  
80,000 lb



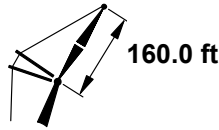
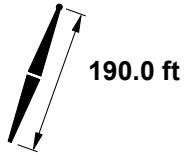
ft	88°			86°			83°			ft
	ft	lb	ft	ft	lb	ft	ft	lb		
54	75.9	352.9	42,500 b							54
55	75.6	352.6	42,400 b							55
60	73.7	351.2	41,900 b							60
65	71.8	349.6	41,200							65
66	71.5	349.3	41,000	73.9	351.0	48,700				66
70	69.9	347.8	40,200	72.4	349.7	48,300				70
75	68.0	345.9	39,300	70.6	348.0	47,800				75
80	66.1	343.7	37,900	68.6	346.1	46,500				80
84	64.5	341.8	37,700	67.1	344.4	44,900	70.9	347.3	47,200	84
85	64.1	341.3	37,600	66.7	344.0	44,600	70.5	346.9	47,200	85
90	62.1	338.7	35,800	64.7	341.7	42,500	68.6	345.0	47,100	90
95	60.0	335.9	33,900	62.7	339.2	40,500	66.7	342.9	46,900	95
100	57.9	332.8	32,000	60.7	336.4	38,400	64.7	340.6	46,500	100
102	57.0	331.5	31,300	59.8	335.2	37,600	63.9	339.6	46,200	102
105	55.8	329.5	30,300	58.6	333.4	36,400	62.7	338.0	45,800	105
110	53.5	325.9	28,600	56.5	330.2	34,500	60.6	335.3	43,900	110
115	51.3	322.0	27,000	54.3	326.7	32,700	58.5	332.3	42,000	115
120	48.9	317.7	25,600	52.0	322.9	30,900	56.4	329.1	40,000	120
125	46.5	313.1	24,300	49.7	318.7	29,300	54.2	325.5	38,100	125
130	43.9	308.1	22,900	47.3	314.2	27,700	52.0	321.7	36,200	130
131	43.4	307.0	22,600	46.8	313.3	27,400	51.5	320.9	35,900	131
135	41.3	302.5	21,700	44.8	309.3	26,200	49.6	317.6	34,400	135
140	38.4	296.5	20,700	42.1	304.0	25,000	47.2	313.1	32,700	140
145	35.4	289.7	19,700	39.4	298.1	23,600	44.7	308.1	31,000	145
150	32.2	282.1	18,900	36.4	291.5	22,500	42.1	302.8	29,400	150
155	28.6	273.4	18,200	33.3	284.2	21,400	39.3	296.9	28,000	155
158	26.1	267.3	17,900	31.2	279.3	20,900	37.5	292.9	27,100	158
160	24.5	263.2	17,600	29.8	275.9	20,500	36.4	290.3	26,500	160
165	19.7	250.6	17,200	25.9	266.3	19,700	33.2	283.0	25,400	165
170	13.1	233.0	17,000	21.3	254.6	19,200	29.7	274.7	24,100	170
173	6.5	214.8	17,000	17.9	245.3	18,900	27.4	268.8	23,500	173
175				15.5	239.2	18,700	25.8	265.0	23,100	175
180				5.0	210.3	18,700	21.2	253.2	22,200	180
185							15.4	237.7	21,200	185
190							4.5	207.7	20,200	190
195										195
200										200
205										205
210										210
216										216
220										220
230										230
232										232
240										240
247										247

# MLC250 S-3

ASME B30.5



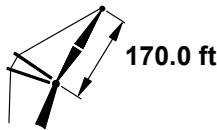
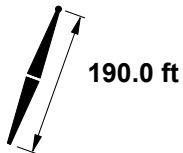
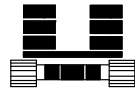
219,600 lb  
+  
80,000 lb



	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
54													54
55													55
60													60
65													65
66													66
70													70
75													75
80													80
84													84
85													85
90													90
95													95
100													100
102	67.8	342.5	50,200										102
105	66.6	341.2	48,500										105
110	64.6	338.9	45,600										110
115	62.6	336.4	42,900										115
120	60.6	333.6	40,500										120
125	58.5	330.6	38,300										125
130	56.3	327.3	36,300										130
131	55.9	326.6	35,900	62.7	332.7	31,400							131
135	54.1	323.8	34,400	61.0	330.5	30,000							135
140	51.9	320.0	32,700	58.9	327.5	28,500							140
145	49.6	315.8	31,100	56.8	324.3	27,000							145
150	47.1	311.3	29,600	54.6	320.9	25,700							150
155	44.6	306.4	28,200	52.4	317.1	24,500							155
158	43.0	303.1	27,500	51.0	314.7	23,800	58.0	321.0	20,200				158
160	42.0	301.0	26,900	50.1	313.0	23,300	57.1	319.7	19,700				160
165	39.2	295.1	25,700	47.7	308.6	22,200	55.0	316.2	18,800				165
170	36.3	288.5	24,600	45.2	303.8	21,200	52.7	312.5	17,900				170
173	34.3	284.1	23,900	43.6	300.6	20,600	51.4	310.1	17,300				173
175	33.1	281.1	23,500	42.6	298.5	20,200	50.4	308.5	17,000				175
180	29.6	272.8	22,500	39.9	292.7	19,300	48.1	304.1	16,200				180
185	25.7	263.0	21,500	36.9	286.3	18,500	45.6	299.3	15,400	52.9	306.2	11,800	185
190	21.1	251.2	20,600	33.8	279.1	17,600	43.0	294.1	14,700	50.6	302.2	11,100	190
195	15.1	235.4	19,700	30.4	271.0	16,900	40.3	288.4	14,000	48.2	297.8	10,500	195
200	3.4	203.2	18,800	26.6	261.6	16,100	37.4	282.1	13,400	45.7	293.1	9,900	200
205				22.2	250.3	15,400	34.3	275.1	12,700	43.1	287.9	9,300	205
210				16.7	235.8	14,700	30.9	267.1	12,100	40.4	282.2	8,700	210
216				4.3	201.8	13,900	26.1	255.0	11,300	36.8	274.2	8,100	216
220							22.9	247.0	10,900	34.5	268.9	7,700	220
230							9.8	211.8	9,700	27.4	251.9	6,700	230
232							2.5	191.7	9,400	25.5	247.0	6,500	232
240										17.9	227.3	5,800	240
247										4.2	189.9	5,100	247

# MLC250 S-3

ASME B30.5



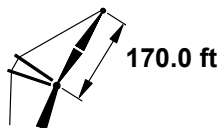
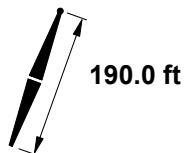
	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
57	75.7	362.4	39,400 b							57
60	74.7	361.6	39,100 b							60
65	72.9	360.1	38,600							65
69	71.5	358.8	38,000	73.9	360.5	45,100				69
70	71.2	358.5	37,800	73.5	360.2	45,000				70
75	69.4	356.6	37,000	71.7	358.6	44,600				75
80	67.6	354.6	36,200	70.0	356.8	44,100				80
85	65.7	352.4	35,500	68.1	354.9	42,500				85
87	65.0	351.4	35,100	67.4	354.0	41,800	71.0	356.8	43,600	87
90	63.8	350.0	34,500	66.3	352.7	40,700	69.9	355.7	43,600	90
95	61.9	347.4	32,800	64.4	350.4	38,900	68.1	353.7	43,500	95
100	60.0	344.6	31,100	62.6	347.8	37,100	66.3	351.6	43,300	100
105	58.0	341.5	29,400	60.6	345.1	35,300	64.4	349.3	43,000	105
110	56.0	338.2	27,900	58.7	342.1	33,500	62.5	346.7	42,200	110
115	53.9	334.7	26,400	56.7	338.9	31,900	60.6	344.0	40,500	115
120	51.8	330.8	24,900	54.6	335.4	30,300	58.6	341.0	38,900	120
125	49.6	326.7	23,700	52.5	331.7	28,700	56.6	337.7	37,100	125
130	47.4	322.2	22,500	50.3	327.6	27,200	54.6	334.3	35,500	130
135	45.0	317.3	21,300	48.1	323.2	25,800	52.5	330.5	33,800	135
140	42.5	312.0	20,200	45.8	318.5	24,500	50.3	326.4	32,100	140
145	40.0	306.2	19,200	43.4	313.3	23,300	48.1	322.1	30,600	145
150	37.2	299.8	18,300	40.8	307.7	22,200	45.7	317.3	29,000	150
155	34.3	292.8	17,600	38.1	301.5	21,000	43.3	312.1	27,600	155
160	31.2	284.9	16,900	35.3	294.7	20,100	40.8	306.5	26,300	160
164	28.4	277.7	16,400	32.8	288.6	19,400	38.6	301.6	25,300	164
165	27.7	275.9	16,300	32.2	287.1	19,200	38.1	300.3	25,000	165
170	23.8	265.3	15,800	28.9	278.5	18,400	35.2	293.5	23,900	170
175	19.0	252.2	15,500	25.1	268.5	17,800	32.2	285.9	22,800	175
180	12.7	234.1	15,400	20.7	256.4	17,300	28.8	277.2	21,700	180
183	6.3	215.3	15,400	17.3	246.8	17,100	26.5	271.2	21,100	183
185				15.1	240.5	17,000	25.0	267.2	20,700	185
190				4.8	210.6	16,900	20.6	255.0	19,800	190
191							19.4	251.8	19,600	191
195							14.9	239.0	18,800	195
200							4.3	208.1	17,900	200
205										205
210										210
215										215
220										220
225										225
226										226
230										230
235										235
240										240
242										242

# MLC250 S-3

ASME B30.5



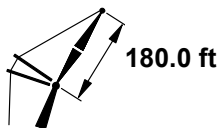
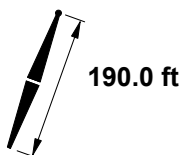
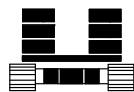
219,600 lb  
+  
80,000 lb



	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
57													57
60													60
65													65
69													69
70													70
75													75
80													80
85													85
87													87
90													90
95													95
100													100
105	68.0	352.1	46,300										105
110	66.2	349.9	45,100										110
115	64.3	347.6	42,500										115
120	62.4	345.0	40,100										120
125	60.5	342.3	37,900										125
130	58.6	339.3	35,900										130
135	56.6	336.0	34,000	62.9	341.8	29,600							135
140	54.5	332.5	32,300	61.0	339.1	28,000							140
145	52.4	328.8	30,700	59.0	336.2	26,600							145
150	50.2	324.7	29,200	57.0	333.0	25,300							150
155	48.0	320.3	27,900	55.0	329.6	24,000							155
160	45.6	315.5	26,600	52.9	325.9	22,900							160
164	43.7	311.4	25,600	51.1	322.7	22,000	57.7	329.0	18,500				164
165	43.2	310.4	25,400	50.7	321.9	21,800	57.3	328.3	18,300				165
170	40.7	304.7	24,200	48.5	317.6	20,800	55.3	324.9	17,400				170
175	38.0	298.5	23,200	46.2	312.9	19,800	53.2	321.3	16,600				175
180	35.1	291.7	22,200	43.8	307.8	18,900	51.0	317.3	15,800				180
183	33.3	287.1	21,600	42.3	304.5	18,400	49.7	314.8	15,300				183
185	32.0	284.0	21,200	41.3	302.3	18,100	48.8	313.1	15,000				185
190	28.7	275.3	20,300	38.6	296.2	17,300	46.5	308.4	14,200				190
191	27.9	273.3	20,100	38.0	294.9	17,100	46.1	307.4	14,100	52.9	314.2	10,300	191
195	24.9	265.2	19,400	35.8	289.5	16,500	44.1	303.4	13,500	51.1	311.0	9,800	195
200	20.4	252.9	18,600	32.8	282.0	15,800	41.6	298.0	12,800	48.9	306.7	9,200	200
205	14.7	236.7	17,800	29.5	273.6	15,100	39.0	292.0	12,100	46.6	302.1	8,600	205
210	3.3	203.4	17,000	25.8	263.9	14,400	36.2	285.4	11,500	44.3	297.1	8,100	210
215				21.5	252.2	13,800	33.2	278.1	10,900	41.8	291.7	7,600	215
220				16.2	237.2	13,100	30.0	269.8	10,300	39.1	285.7	7,100	220
225				7.7	212.5	12,500	26.4	260.3	9,700	36.4	279.2	6,600	225
226				4.1	202.1	12,300	25.5	258.0	9,600	35.8	277.7	6,500	226
230							22.2	249.0	9,200	33.4	271.9	6,100	230
235							17.1	234.6	8,700	30.1	263.7	5,700	235
240							9.5	212.6	8,100	26.5	254.2	5,200	240
242							2.4	191.9	7,800				242

# MLC250 S-3

ASME B30.5



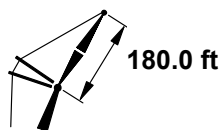
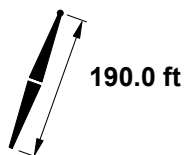
ft	88°			86°			83°			ft
	ft	lb	ft	ft	lb	ft	ft	lb	ft	
59	75.9	372.3	36,400 b							59
60	75.6	372.0	36,300 b							60
65	73.9	370.6	35,900							65
70	72.3	369.0	35,400							70
72	71.6	368.3	35,100	73.8	370.0	41,600				72
75	70.6	367.3	34,700	72.8	369.1	41,400				75
80	68.9	365.4	34,000	71.1	367.5	41,000				80
85	67.1	363.4	33,300	69.4	365.6	40,200				85
90	65.4	361.1	32,600	67.7	363.6	38,700				90
91	65.0	360.6	32,400	67.4	363.2	38,400	70.7	366.0	40,200	91
95	63.6	358.7	31,500	66.0	361.4	37,200	69.4	364.5	40,100	95
100	61.8	356.1	30,000	64.2	359.1	35,600	67.7	362.5	40,000	100
105	60.0	353.2	28,400	62.4	356.5	34,000	65.9	360.3	39,900	105
109	58.5	350.8	27,300	61.0	354.3	32,700	64.5	358.4	39,700	109
110	58.1	350.2	27,000	60.6	353.7	32,400	64.2	357.9	39,600	110
115	56.2	346.9	25,600	58.7	350.8	30,900	62.4	355.4	38,900	115
120	54.3	343.4	24,300	56.9	347.6	29,400	60.6	352.6	37,400	120
125	52.3	339.6	23,000	54.9	344.1	27,900	58.7	349.6	35,900	125
130	50.2	335.5	21,800	52.9	340.4	26,500	56.8	346.4	34,300	130
135	48.1	331.2	20,800	50.9	336.5	25,200	54.9	343.0	32,800	135
140	45.9	326.4	19,800	48.8	332.2	24,000	52.9	339.3	31,400	140
145	43.7	321.3	18,800	46.7	327.6	22,800	50.9	335.3	29,900	145
150	41.3	315.8	17,800	44.4	322.6	21,600	48.8	331.0	28,500	150
155	38.8	309.7	17,100	42.1	317.2	20,700	46.6	326.4	27,200	155
160	36.1	303.1	16,300	39.6	311.3	19,700	44.4	321.4	25,800	160
165	33.3	295.8	15,700	37.0	304.9	18,700	42.0	316.0	24,500	165
169	30.9	289.2	15,200	34.8	299.2	18,100	40.0	311.3	23,600	169
170	30.3	287.6	15,100	34.3	297.8	17,900	39.6	310.1	23,300	170
175	26.9	278.3	14,600	31.3	289.9	17,200	37.0	303.7	22,200	175
180	23.1	267.3	14,200	28.0	281.0	16,500	34.2	296.6	21,100	180
185	18.5	253.8	14,000	24.4	270.6	16,000	31.2	288.7	20,100	185
190	12.3	235.2	13,900	20.1	258.2	15,600	28.0	279.7	19,200	190
193	6.1	215.8	13,900	16.8	248.3	15,400	25.7	273.5	18,600	193
195				14.6	241.7	15,300	24.3	269.3	18,200	195
197				10.6	229.4	15,100	22.6	264.3	17,900	197
200				4.7	211.0	14,700	20.0	256.8	17,400	200
205							14.5	240.2	16,500	205
210							4.2	208.4	15,700	210
215										215
220										220
230										230
236										236
240										240
250										250
252										252

# MLC250 S-3

ASME B30.5



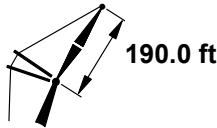
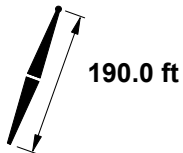
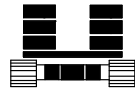
219,600 lb  
+  
80,000 lb



	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
59													59
60													60
65													65
70													70
72													72
75													75
80													80
85													85
90													90
91													91
95													95
100													100
105													105
109	67.9	361.3	42,500										109
110	67.6	360.8	42,500										110
115	65.9	358.6	41,900										115
120	64.1	356.3	39,500										120
125	62.3	353.7	37,300										125
130	60.5	350.9	35,300										130
135	58.6	347.9	33,500										135
140	56.7	344.7	31,800	62.7	350.5	27,400							140
145	54.8	341.3	30,200	60.9	347.8	26,000							145
150	52.8	337.6	28,700	59.1	344.9	24,700							150
155	50.8	333.6	27,300	57.2	341.7	23,500							155
160	48.7	329.3	26,100	55.3	338.3	22,300							160
165	46.5	324.6	24,900	53.3	334.6	21,200							165
169	44.7	320.6	24,000	51.7	331.5	20,400	57.8	337.7	16,900				169
170	44.3	319.6	23,700	51.3	330.7	20,200	57.5	337.0	16,700				170
175	41.9	314.2	22,700	49.2	326.5	19,300	55.5	333.7	15,800				175
180	39.5	308.3	21,700	47.0	321.9	18,400	53.6	330.0	14,900				180
185	36.9	301.9	20,700	44.8	317.0	17,500	51.6	326.2	14,100				185
190	34.1	294.7	19,800	42.5	311.7	16,700	49.5	322.0	13,400				190
193	32.3	290.0	19,300	41.0	308.2	16,300	48.2	319.3	12,900				193
195	31.1	286.8	19,000	40.0	305.9	16,000	47.4	317.5	12,600				195
197	29.8	283.2	18,700	39.0	303.4	15,700	46.5	315.5	12,400	52.9	322.2	8,700	197
200	27.8	277.8	18,200	37.5	299.6	15,200	45.1	312.6	12,000	51.7	319.8	8,300	200
205	24.1	267.3	17,400	34.7	292.6	14,600	42.8	307.4	11,300	49.6	315.7	7,800	205
210	19.8	254.7	16,600	31.8	284.9	13,900	40.4	301.7	10,700	47.5	311.2	7,200	210
215	14.2	237.9	15,900	28.6	276.2	13,300	37.9	295.4	10,100	45.2	306.3	6,700	215
220	3.2	203.7	15,200	25.0	266.1	12,700	35.2	288.6	9,500	42.9	301.1	6,200	220
230				15.7	238.5	11,500	29.1	272.4	8,400	38.0	289.2	5,300	230
236				4.0	202.4	10,800	24.6	259.5	7,800				236
240							21.5	250.8	7,400				240
250							9.2	213.4	6,400				250
252							2.4	192.0	6,200				252

# MLC250 S-3

ASME B30.5

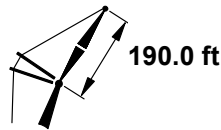
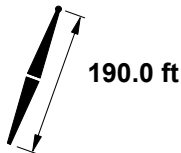
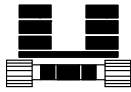


	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
61	76.0	382.1	33,700 b							61
65	74.8	381.0	33,400							65
70	73.2	379.5	33,100							70
74	71.9	378.2	32,600	74.0	379.9	38,500				74
75	71.6	377.9	32,500	73.7	379.6	38,400				75
80	70.0	376.1	31,900	72.1	378.0	38,100				80
85	68.4	374.2	31,300	70.5	376.3	37,800				85
90	66.8	372.1	30,700	68.9	374.4	36,800				90
94	65.5	370.3	30,200	67.6	372.8	35,800	70.8	375.5	37,000	94
95	65.1	369.8	30,100	67.3	372.4	35,500	70.5	375.2	37,000	95
100	63.4	367.4	28,900	65.7	370.1	34,100	68.9	373.3	37,000	100
105	61.7	364.7	27,500	64.0	367.7	32,700	67.3	371.2	36,900	105
110	60.0	361.9	26,200	62.3	365.2	31,200	65.6	369.0	36,800	110
113	58.9	360.1	25,400	61.3	363.5	30,400	64.6	367.6	36,600	113
115	58.2	358.9	24,900	60.6	362.4	29,900	64.0	366.6	36,500	115
120	56.4	355.6	23,600	58.8	359.4	28,500	62.3	364.0	35,800	120
125	54.6	352.1	22,400	57.0	356.3	27,200	60.5	361.3	34,500	125
130	52.7	348.4	21,300	55.2	352.8	25,900	58.8	358.3	33,300	130
135	50.8	344.4	20,200	53.3	349.2	24,600	57.0	355.1	31,900	135
140	48.8	340.1	19,300	51.4	345.3	23,400	55.2	351.7	30,600	140
144	47.2	336.4	18,600	49.8	341.9	22,600	53.7	348.8	29,500	144
145	46.8	335.5	18,400	49.5	341.1	22,300	53.3	348.0	29,200	145
150	44.6	330.6	17,500	47.4	336.6	21,300	51.4	344.1	27,900	150
155	42.4	325.2	16,700	45.3	331.8	20,200	49.4	339.9	26,600	155
160	40.1	319.4	15,900	43.2	326.6	19,300	47.4	335.4	25,500	160
165	37.7	313.2	15,200	40.9	320.9	18,500	45.3	330.6	24,200	165
170	35.1	306.3	14,600	38.5	314.8	17,700	43.1	325.4	23,000	170
174	32.9	300.2	14,200	36.5	309.5	17,000	41.3	320.9	22,100	174
175	32.4	298.7	14,100	36.0	308.2	16,800	40.8	319.7	21,900	175
180	29.4	290.2	13,600	33.3	300.8	16,100	38.5	313.6	20,800	180
185	26.2	280.6	13,200	30.4	292.7	15,500	35.9	306.9	19,800	185
190	22.4	269.3	12,800	27.3	283.4	15,000	33.2	299.6	18,900	190
195	18.0	255.4	12,600	23.7	272.7	14,500	30.4	291.4	18,000	195
200	12.0	236.2	12,600	19.5	259.9	14,200	27.2	282.1	17,100	200
203	5.9	216.3	12,200	16.3	249.7	13,900	25.0	275.7	16,600	203
205				14.2	243.0	13,700	23.6	271.4	16,300	205
210				4.6	211.4	13,000	19.4	258.5	15,500	210
215							14.1	241.4	14,700	215
220							4.1	208.7	14,000	220
230										230
240										240
246										246
250										250
260										260
262										262



# MLC250 S-3

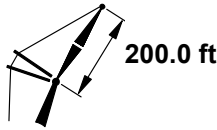
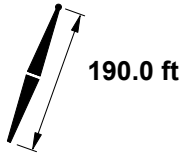
ASME B30.5



	80°			75°			70°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
61										61
65										65
70										70
74										74
75										75
80										80
85										85
90										90
94										94
95										95
100										100
105										105
110										110
113	67.9	370.4	39,100							113
115	67.2	369.6	39,100							115
120	65.6	367.3	39,100							120
125	63.9	364.9	37,100							125
130	62.2	362.4	35,100							130
135	60.5	359.6	33,300							135
140	58.7	356.6	31,600							140
144	57.3	354.0	30,300	62.9	359.7	26,100				144
145	56.9	353.4	30,000	62.6	359.2	25,800				145
150	55.1	350.0	28,500	60.9	356.5	24,500				150
155	53.2	346.3	27,100	59.1	353.5	23,200				155
160	51.3	342.4	25,800	57.3	350.4	22,100				160
165	49.3	338.2	24,600	55.5	347.0	21,000				165
170	47.3	333.7	23,500	53.7	343.4	20,000				170
174	45.6	329.8	22,700	52.1	340.3	19,200	58.0	346.3	15,600	174
175	45.2	328.8	22,500	51.8	339.5	19,100	57.6	345.7	15,400	175
180	43.0	323.6	21,500	49.8	335.4	18,200	55.8	342.4	14,600	180
185	40.8	317.9	20,500	47.8	331.0	17,300	53.9	338.8	13,800	185
190	38.4	311.8	19,600	45.7	326.2	16,500	52.0	335.0	13,000	190
195	35.8	305.1	18,800	43.5	321.0	15,800	50.1	330.9	12,300	195
200	33.2	297.7	18,000	41.3	315.5	15,000	48.1	326.5	11,600	200
203	31.4	292.8	17,500	39.9	311.9	14,600	46.8	323.6	11,200	203
205	30.2	289.5	17,200	38.9	309.5	14,400	46.0	321.7	11,000	205
210	27.1	280.2	16,500	36.4	302.9	13,700	43.9	316.7	10,300	210
215	23.5	269.4	15,800	33.8	295.7	13,100	41.6	311.2	9,700	215
220	19.3	256.4	15,100	30.9	287.7	12,500	39.3	305.2	9,200	220
230	3.1	203.9	13,700	24.3	268.2	11,400	34.2	291.6	8,100	230
240				15.3	239.9	10,200	28.3	274.9	7,100	240
246				3.9	202.7	9,500	23.9	261.6	6,600	246
250							21.0	252.7	6,200	250
260							8.9	214.1	5,300	260
262							2.3	192.2	5,100	262

# MLC250 S-3

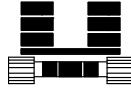
ASME B30.5



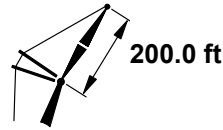
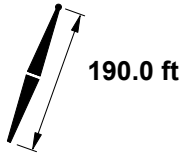
	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
64	75.9	391.6	31,100							64
65	75.6	391.4	31,000							65
70	74.1	390.0	30,700							70
75	72.6	388.4	30,400							75
77	72.0	387.8	30,100	74.0	389.4	35,400				77
80	71.1	386.8	29,800	73.1	388.5	35,300				80
85	69.5	384.9	29,300	71.6	386.9	35,000				85
90	68.0	382.9	28,700	70.0	385.1	34,700				90
95	66.4	380.8	28,200	68.5	383.2	33,600				95
97	65.8	379.9	28,000	67.9	382.3	33,100	70.9	385.1	34,000	97
100	64.9	378.5	27,600	67.0	381.1	32,400	70.0	384.0	34,000	100
105	63.3	376.0	26,400	65.4	378.8	31,200	68.5	382.1	34,000	105
110	61.7	373.4	25,200	63.8	376.4	30,000	66.9	380.0	33,900	110
115	60.0	370.6	24,000	62.2	373.8	28,700	65.3	377.7	33,700	115
117	59.3	369.3	23,500	61.5	372.7	28,200	64.7	376.8	33,700	117
120	58.3	367.5	22,900	60.5	371.1	27,500	63.8	375.3	33,500	120
125	56.6	364.3	21,700	58.9	368.1	26,300	62.1	372.7	33,100	125
130	54.9	360.8	20,600	57.2	364.9	25,100	60.5	369.9	31,900	130
135	53.1	357.2	19,700	55.5	361.6	24,000	58.8	367.0	30,700	135
140	51.3	353.2	18,800	53.7	357.9	22,800	57.1	363.8	29,600	140
145	49.4	349.0	17,800	51.9	354.1	21,800	55.4	360.4	28,300	145
149	47.9	345.4	17,100	50.4	350.8	20,900	54.0	357.5	27,500	149
150	47.5	344.5	17,000	50.0	350.0	20,700	53.6	356.8	27,200	150
155	45.5	339.7	16,200	48.1	345.6	19,800	51.8	352.9	26,000	155
160	43.4	334.6	15,600	46.1	340.9	18,900	50.0	348.8	24,800	160
165	41.3	329.0	14,900	44.1	335.8	18,000	48.1	344.4	23,600	165
170	39.1	323.0	14,200	42.0	330.4	17,200	46.1	339.7	22,400	170
175	36.7	316.5	13,600	39.8	324.6	16,500	44.1	334.7	21,300	175
180	34.2	309.4	13,100	37.5	318.2	15,800	42.0	329.2	20,200	180
185	31.6	301.5	12,600	35.0	311.3	15,100	39.7	323.4	19,200	185
190	28.7	292.8	12,200	32.4	303.7	14,500	37.4	317.0	18,200	190
195	25.5	282.8	11,800	29.6	295.3	14,000	35.0	310.1	17,300	195
200	21.8	271.2	11,600	26.5	285.8	13,500	32.4	302.5	16,500	200
205	17.5	256.9	11,400	23.1	274.8	13,100	29.6	294.0	15,700	205
210	11.7	237.2	10,700	19.0	261.5	12,500	26.5	284.5	14,900	210
213	5.8	216.8	10,300	15.9	251.1	12,000	24.4	277.9	14,500	213
215				13.8	244.2	11,800	23.0	273.4	14,200	215
220				4.4	211.7	11,100	18.9	260.1	13,400	220
225							13.7	242.6	12,700	225
230							4.0	209.0	12,000	230
235										235
240										240
245										245
250										250
256										256

# MLC250 S-3

ASME B30.5



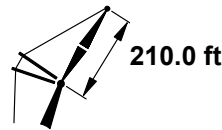
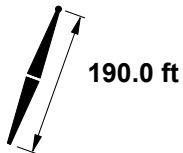
219,600 lb  
+  
80,000 lb



	80°			75°			70°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
64										64
65										65
70										70
75										75
77										77
80										80
85										85
90										90
95										95
97										97
100										100
105										105
110										110
115										115
117	67.8	379.6	35,800							117
120	66.9	378.3	35,800							120
125	65.3	376.1	35,800							125
130	63.7	373.6	34,600							130
135	62.1	371.0	32,700							135
140	60.4	368.2	31,000							140
145	58.8	365.3	29,400							145
149	57.4	362.7	28,300	62.8	368.4	24,100				149
150	57.1	362.1	28,000	62.5	367.9	23,900				150
155	55.3	358.7	26,600	60.8	365.1	22,700				155
160	53.6	355.1	25,300	59.2	362.2	21,500				160
165	51.8	351.2	24,100	57.5	359.0	20,400				165
170	49.9	347.1	23,000	55.7	355.7	19,400				170
175	48.0	342.7	22,000	54.0	352.1	18,500				175
180	46.0	337.9	21,000	52.2	348.3	17,600	57.7	354.4	13,700	180
185	44.0	332.9	20,000	50.3	344.3	16,800	56.0	351.0	12,900	185
190	41.9	327.4	19,200	48.4	339.9	16,000	54.3	347.5	12,100	190
195	39.7	321.6	18,300	46.5	335.3	15,200	52.5	343.7	11,400	195
200	37.3	315.2	17,500	44.5	330.3	14,500	50.6	339.7	10,800	200
205	34.9	308.2	16,800	42.4	324.9	13,800	48.7	335.4	10,100	205
210	32.3	300.6	16,000	40.2	319.2	13,200	46.8	330.8	9,500	210
213	30.6	295.5	15,600	38.8	315.4	12,800	45.6	327.9	9,200	213
215	29.5	292.1	15,300	37.9	312.9	12,500	44.8	325.9	8,900	215
220	26.4	282.5	14,700	35.5	306.1	11,900	42.7	320.6	8,400	220
225	22.9	271.4	14,000	32.9	298.6	11,300	40.5	314.9	7,800	225
230	18.8	258.0	13,400	30.1	290.4	10,700	38.2	308.7	7,300	230
235	13.5	240.3	12,800	27.1	281.0	10,100	35.8	302.0	6,800	235
240	3.0	204.1	12,200	23.7	270.3	9,500	33.3	294.6	6,400	240
245				19.8	257.6	9,000	30.6	286.5	5,900	245
250				14.9	241.1	8,500	27.6	277.4	5,500	250
256				3.8	203.0	7,800				256

# MLC250 S-3

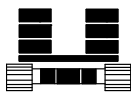
ASME B30.5



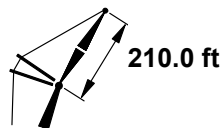
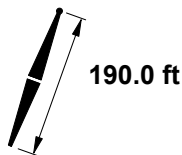
	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
66	76.0	401.4	28,800							66
70	74.9	400.4	28,500							70
75	73.4	398.9	28,300							75
80	72.0	397.3	27,900	73.9	399.0	32,700				80
85	70.6	395.6	27,400	72.5	397.4	32,500				85
90	69.1	393.7	27,000	71.0	395.7	32,200				90
95	67.6	391.7	26,500	69.6	393.9	31,900				95
100	66.1	389.5	26,000	68.1	391.9	30,900	71.0	394.6	31,300	100
105	64.6	387.2	25,400	66.6	389.8	29,800	69.5	392.8	31,300	105
110	63.1	384.7	24,200	65.1	387.5	28,700	68.1	390.8	31,200	110
115	61.6	382.0	23,200	63.6	385.1	27,600	66.6	388.7	31,100	115
120	60.0	379.2	22,100	62.1	382.5	26,500	65.1	386.4	31,000	120
125	58.4	376.2	21,100	60.5	379.7	25,400	63.6	384.0	30,800	125
130	56.8	373.0	20,100	58.9	376.8	24,300	62.0	381.4	30,600	130
135	55.1	369.5	19,200	57.3	373.6	23,300	60.5	378.6	29,600	135
140	53.4	365.9	18,300	55.7	370.3	22,300	58.9	375.6	28,600	140
145	51.7	362.0	17,500	54.0	366.7	21,300	57.3	372.5	27,500	145
150	50.0	357.9	16,600	52.3	362.9	20,300	55.6	369.1	26,400	150
153	48.9	355.3	16,200	51.2	360.5	19,800	54.6	367.0	25,800	153
155	48.1	353.5	15,900	50.5	358.8	19,400	54.0	365.5	25,400	155
160	46.3	348.8	15,100	48.7	354.5	18,500	52.2	361.7	24,300	160
165	44.3	343.8	14,600	46.9	350.0	17,700	50.5	357.7	23,000	165
170	42.3	338.4	13,900	45.0	345.0	16,900	48.7	353.4	21,900	170
175	40.3	332.7	13,400	43.0	339.8	16,200	46.8	348.8	20,700	175
180	38.1	326.5	12,700	40.9	334.2	15,500	44.9	343.9	19,700	180
185	35.8	319.7	12,200	38.8	328.1	14,900	42.9	338.6	18,700	185
190	33.4	312.4	11,800	36.5	321.5	14,300	40.9	333.0	17,700	190
195	30.8	304.3	11,400	34.2	314.4	13,700	38.7	326.9	16,800	195
200	27.9	295.3	11,000	31.6	306.6	13,200	36.5	320.3	16,000	200
205	24.8	285.0	10,700	28.9	297.9	12,700	34.1	313.2	15,200	205
210	21.3	273.1	10,300	25.9	288.1	12,000	31.6	305.3	14,400	210
215	17.1	258.4	9,600	22.5	276.8	11,300	28.8	296.6	13,700	215
220	11.4	238.2	9,000	18.6	263.1	10,600	25.8	286.8	13,000	220
223	5.6	217.2	8,600	15.5	252.4	10,300	23.8	280.0	12,600	223
225				13.5	245.3	10,000	22.4	275.4	12,300	225
230				4.3	212.1	9,400	18.5	261.7	11,600	230
235							13.4	243.8	11,000	235
240							3.9	209.3	10,400	240
245										245
250										250
255										255
260										260
265										265
266										266

# MLC250 S-3

ASME B30.5



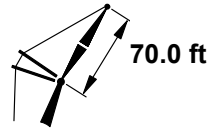
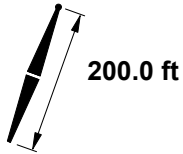
219,600 lb  
+  
80,000 lb



ft	80°			75°			70°			ft
	ft	lb	lb	ft	lb	lb	ft	lb	lb	
66										66
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115										115
120	68.0	389.2	32,800							120
125	66.5	387.0	32,800							125
130	65.0	384.7	32,800							130
135	63.5	382.3	32,300							135
140	62.0	379.7	30,600							140
145	60.4	376.9	29,000							145
150	58.8	373.9	27,600							150
153	57.9	372.0	26,800	63.0	377.6	22,700				153
155	57.2	370.8	26,200	62.3	376.5	22,200				155
160	55.6	367.4	24,900	60.8	373.8	21,100				160
165	53.9	363.8	23,800	59.2	370.8	20,000				165
170	52.2	360.0	22,600	57.6	367.7	19,000				170
175	50.4	355.9	21,600	56.0	364.4	18,100				175
180	48.6	351.6	20,600	54.3	360.9	17,200				180
185	46.8	347.0	19,700	52.6	357.1	16,300	57.8	363.0	12,200	185
190	44.9	342.1	18,800	50.8	353.1	15,600	56.2	359.7	11,500	190
195	42.9	336.8	17,900	49.0	348.9	14,800	54.5	356.2	10,800	195
200	40.8	331.2	17,100	47.2	344.3	14,000	52.8	352.5	10,100	200
205	38.7	325.1	16,400	45.3	339.5	13,300	51.1	348.6	9,500	205
210	36.4	318.5	15,700	43.3	334.3	12,600	49.3	344.3	8,900	210
215	34.0	311.3	15,000	41.3	328.7	11,900	47.5	339.8	8,300	215
220	31.5	303.4	14,300	39.2	322.7	11,300	45.6	335.0	7,800	220
223	29.8	298.2	13,900	37.8	318.8	10,900	44.4	332.0	7,400	223
225	28.7	294.7	13,700	36.9	316.3	10,700	43.6	329.9	7,200	225
230	25.7	284.8	13,100	34.6	309.2	10,100	41.6	324.4	6,700	230
235	22.3	273.4	12,500	32.1	301.5	9,500	39.5	318.5	6,200	235
240	18.3	259.6	11,900	29.4	293.0	9,000	37.3	312.1	5,800	240
245	13.2	241.4	11,400	26.4	283.4	8,500	34.9	305.2	5,300	245
250	2.9	204.4	10,800	23.1	272.4	8,000				250
255				19.3	259.2	7,500				255
260				14.5	242.4	7,000				260
265				6.9	214.9	6,500				265
266				3.7	203.3	6,400				266

# MLC250 S-3

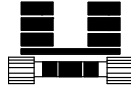
ASME B30.5



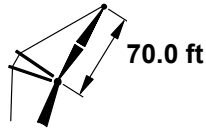
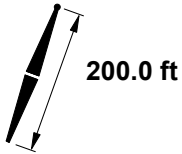
	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
36	72.9	274.5	81,100 d							36
38	71.2	273.8	79,900 d							38
40	69.5	273.1	78,700 d							40
42	67.7	272.2	77,600 d	73.8	274.4	94,100 d				42
45	65.0	270.9	75,800 c	71.2	273.4	92,400 d				45
50	60.3	268.2	73,100 b	66.8	271.4	89,400 c				50
55	55.4	264.9	70,700 b	62.2	268.9	86,400 b				55
56	54.4	264.1	70,300 b	61.2	268.2	85,800 b	70.7	272.0	91,100 d	56
60	50.2	261.0	68,600	57.4	265.8	83,600	67.1	270.4	89,400 c	60
65	44.6	256.2	66,100	52.3	262.2	78,200	62.6	268.0	87,000 b	65
70	38.3	250.3	61,700	46.9	257.7	72,500	57.8	265.0	84,000 b	70
75	30.8	242.8	58,000	40.8	252.3	67,600	52.8	261.4	79,800	75
80	21.1	232.0	55,600	33.9	245.5	63,300	47.3	257.0	73,800	80
84	5.8	213.8	55,400	27.1	238.2	60,500	42.6	252.8	69,600	84
85				25.4	236.4	59,800	41.4	251.7	68,600	85
90				11.7	220.5	57,400	34.5	245.0	63,900	90
91				5.5	212.9	56,600	32.9	243.3	63,100	91
92							31.2	241.5	62,300	92
95							26.2	236.1	59,800	95
100							13.4	221.4	56,000	100
101							8.7	215.7	55,300	101
105										105
110										110
111										111
114										114
115										115
120										120
125										125
128										128
130										130
135										135
140										140
145										145
150										150
155										155
160										160
161										161

# MLC250 S-3

ASME B30.5



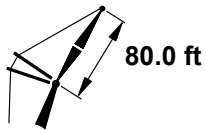
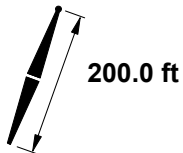
219,600 lb  
+  
80,000 lb



	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
36													36
38													38
40													40
42													42
45													45
50													50
55													55
56													56
60													60
65													65
70	67.4	268.9	86,200 c										70
75	62.9	266.5	79,000 b										75
80	58.1	263.5	72,800 b										80
84	54.1	260.7	68,500 b										84
85	53.1	260.0	67,400										85
90	47.7	255.7	62,700										90
91	46.5	254.6	61,900										91
92	45.3	253.6	61,100	62.9	262.5	54,800 b							92
95	41.8	250.4	58,600	60.1	260.8	52,600 b							95
100	35.0	243.9	54,800	55.2	257.5	49,300							100
101	33.4	242.1	54,200	54.1	256.7	48,700							101
105	26.8	235.2	51,500	49.9	253.5	46,300							105
110	14.6	221.2	48,400	44.2	248.7	43,600							110
111	10.5	216.3	47,700	43.0	247.5	43,100							111
114				39.1	243.9	41,600	57.7	253.8	36,800 b				114
115				37.9	242.7	41,100	56.7	253.2	36,400				115
120				30.3	235.0	38,800	51.6	249.4	34,400				120
125				20.4	224.0	36,700	46.1	244.9	32,500				125
128				10.5	212.3	35,400	42.4	241.5	31,500				128
130							40.0	239.3	30,800				130
135							32.9	232.3	29,200	52.7	243.4	25,500	135
140							24.0	222.6	27,700	47.3	239.0	24,200	140
145							8.1	204.0	26,200	41.3	233.7	23,000	145
150										34.5	227.1	21,800	150
155										26.1	218.1	20,700	155
160										13.2	203.3	19,600	160
161										8.4	197.5	19,400	161

# MLC250 S-3

ASME B30.5

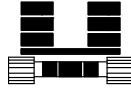


	88°			86°			83°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
35	75.9	285.3	75,800 d						35	
36	75.1	285.0	75,400 d						36	
38	73.6	284.4	74,500 d						38	
40	72.1	283.7	73,500 d						40	
45	68.3	281.8	71,000 c	73.6	283.9	86,000 d			45	
50	64.4	279.6	68,700 b	69.8	282.2	83,600 c			50	
55	60.3	276.8	66,400 b	65.9	280.1	81,100 b			55	
59	56.9	274.3	64,800 b	62.7	278.0	79,100 b	70.9	281.6	83,500 c	
60	56.0	273.6	64,400	61.9	277.5	78,600	70.1	281.2	83,200 c	
65	51.5	269.8	62,600	57.7	274.5	75,000	66.3	279.1	81,400 b	
70	46.7	265.4	59,000	53.3	270.9	69,900	62.3	276.6	79,400	
74	42.5	261.1	55,800	49.6	267.6	66,200	58.9	274.2	77,500	
75	41.5	260.0	55,000	48.7	266.8	65,300	58.1	273.6	77,000	
80	35.6	253.5	51,600	43.6	261.8	60,800	53.7	270.1	73,400	
85	28.7	245.3	48,900	38.0	255.8	56,800	49.1	266.0	68,100	
90	19.7	233.7	47,100	31.6	248.4	53,400	44.1	261.1	63,500	
94	5.4	214.2	47,100	25.2	240.4	51,400	39.6	256.4	60,200	
95				23.6	238.4	50,900	38.5	255.2	59,300	
97				18.5	231.6	50,400	36.0	252.3	57,900	
100				10.9	221.4	49,600	32.2	247.9	55,600	
101				5.0	213.3	49,200	30.6	246.0	55,000	
105							24.4	238.3	52,300	
110							12.5	222.4	49,200	
111							8.1	216.3	48,600	
115									115	
119									119	
120									120	
121									121	
125									125	
130									130	
135									135	
138									138	
140									140	
141									141	
145									145	
150									150	
155									155	
160									160	
165									165	
170									170	
171									171	

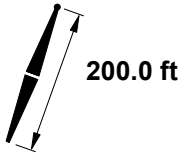


# MLC250 S-3

ASME B30.5



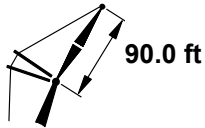
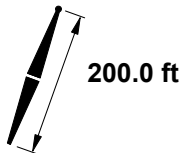
219,600 lb  
+  
80,000 lb



	80°		75°		70°		65°		
ft	ft	lb	ft	lb	ft	lb	ft	lb	ft
35									35
36									36
38									38
40									40
45									45
50									50
55									55
59									59
60									60
65									65
70									70
74	67.3	278.1	79,700 b						74
75	66.5	277.6	78,400 b						75
80	62.5	275.1	72,200						80
85	58.4	272.2	66,900						85
90	54.0	268.7	62,200						90
94	50.3	265.5	58,900						94
95	49.4	264.6	58,100						95
97	47.4	262.7	56,600	62.5	271.2	50,600			97
100	44.4	259.8	54,400	60.1	269.5	48,600			100
101	43.3	258.7	53,700	59.2	268.8	48,000			101
105	38.9	254.0	51,100	55.8	266.2	45,700			105
110	32.7	246.8	48,100	51.3	262.4	43,000			110
111	31.1	244.9	47,500	50.3	261.5	42,500			111
115	25.0	237.4	45,300	46.4	257.9	40,500			115
119	15.9	225.3	43,300	42.2	253.6	38,700	58.0	262.5	34,100
120	13.6	222.3	42,800	41.2	252.5	38,300	57.2	261.9	33,700
121	9.8	217.1	42,200	40.0	251.2	37,900	56.3	261.1	33,400
125				35.3	245.9	36,200	52.7	258.2	31,900
130				28.3	237.6	34,300	48.0	254.0	30,200
135				19.0	225.6	32,500	42.9	248.9	28,700
138				9.8	213.1	31,500	39.5	245.2	27,800
140							37.2	242.7	27,200
141							35.9	241.2	26,900
145							30.7	235.0	25,900
150							22.4	224.6	24,600
155							7.5	204.5	23,300
160									
165									
170									
171									
							7.8	198.1	17,100
									171

# MLC250 S-3

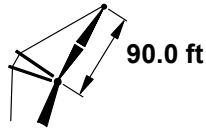
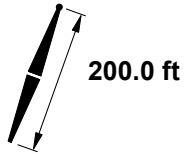
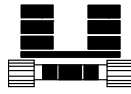
ASME B30.5



	88°			86°			83°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
38	75.5	294.8	69,500 d						38	
40	74.2	294.2	68,800 d						40	
45	70.8	292.6	66,700 d						45	
48	68.8	291.4	65,400 d	73.5	293.5	79,100 d			48	
50	67.4	290.6	64,600 b	72.2	292.8	78,400 c			50	
55	63.9	288.2	62,600 b	68.8	291.0	76,300 b			55	
60	60.3	285.5	60,700	65.3	288.8	74,200			60	
63	58.0	283.6	59,700	63.1	287.2	72,800	70.4	290.8	63	
65	56.5	282.3	59,000	61.7	286.2	71,900	69.1	290.0	65	
70	52.5	278.6	56,900	58.0	283.2	67,300	65.6	287.8	70	
75	48.4	274.4	52,800	54.1	279.7	62,900	62.0	285.3	75	
77	46.6	272.4	51,400	52.5	278.1	61,300	60.5	284.1	77	
80	43.9	269.4	49,300	50.0	275.7	58,900	58.3	282.3	80	
85	39.0	263.6	46,200	45.7	271.0	54,800	54.4	278.9	85	
90	33.5	256.6	43,600	41.0	265.6	51,300	50.4	274.9	90	
95	27.0	247.7	41,500	35.7	259.1	48,200	46.1	270.3	95	
100	18.5	235.3	40,200	29.7	251.0	45,600	41.4	264.9	100	
101	15.1	230.1	40,200	28.2	248.9	45,100	40.3	263.6	101	
104	5.0	214.5	40,200	23.7	242.5	43,900	37.2	259.8	104	
105				22.2	240.4	43,500	36.2	258.5	105	
110				10.2	222.2	42,600	30.3	250.7	110	
111				4.7	213.6	42,600	28.8	248.6	111	
115							22.9	240.3	115	
120							11.7	223.4	120	
121							7.5	216.9	121	
125									125	
130									130	
131									131	
135									135	
140									140	
145									145	
147									147	
148									148	
150									150	
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181									181	

# MLC250 S-3

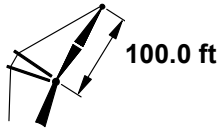
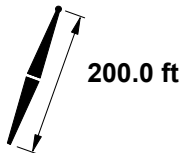
ASME B30.5



	80°			75°			70°			65°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
38													38
40													40
45													45
48													48
50													50
55													55
60													60
63													63
65													65
70													70
75													75
77	67.9	287.7	75,400 b										77
80	65.8	286.3	71,800										80
85	62.3	283.8	66,500										85
90	58.6	280.9	61,900										90
95	54.7	277.5	57,700										95
100	50.7	273.5	54,100										100
101	49.8	272.6	53,400	63.0	280.4	47,600							101
104	47.2	269.9	51,500	60.8	278.7	45,800							104
105	46.4	269.0	50,800	60.0	278.1	45,200							105
110	41.7	263.7	47,800	56.3	274.9	42,600							110
111	40.7	262.4	47,300	55.5	274.2	42,100							111
115	36.6	257.3	45,100	52.3	271.2	40,200							115
120	30.7	249.6	42,700	48.1	266.9	37,900							120
121	29.3	247.6	42,200	47.2	265.9	37,500							121
125	23.5	239.5	40,400	43.6	261.9	35,900	57.5	270.5	31,500				125
130	12.8	223.4	38,200	38.7	256.0	34,100	53.6	267.0	29,800				130
131	9.2	217.8	37,800	37.6	254.6	33,700	52.7	266.2	29,500				131
135				33.1	248.9	32,300	49.5	262.9	28,300				135
140				26.6	239.9	30,700	45.1	258.2	26,900				140
145				17.9	227.1	29,200	40.3	252.6	25,500				145
147				12.0	218.2	28,600	38.2	249.9	25,000	52.8	259.4	21,400	147
148				9.1	213.8	28,300	37.1	248.6	24,800	52.0	258.6	21,200	148
150							35.0	245.9	24,300	50.3	257.0	20,800	150
155							28.8	237.6	23,100	46.0	252.4	19,800	155
160							21.0	226.4	22,000	41.3	247.0	18,800	160
165							7.0	205.1	20,900	36.2	240.5	17,900	165
170										30.2	232.6	17,000	170
175										22.9	222.3	16,200	175
180										11.6	205.2	15,400	180
181										7.3	198.6	15,200	181

# MLC250 S-3

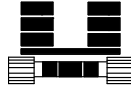
ASME B30.5



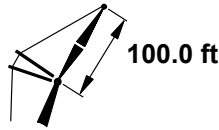
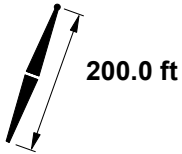
	88°			86°			83°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
40	75.8	304.6	64,100 d						40	
45	72.8	303.1	62,400 d						45	
50	69.8	301.4	60,600 b	74.0	303.3	73,100 b			50	
55	66.7	299.3	58,800 b	71.0	301.7	71,500 b			55	
60	63.5	296.9	57,100	67.9	299.7	69,700			60	
65	60.2	294.1	55,500	64.8	297.4	67,900			65	
66	59.6	293.5	55,200	64.1	296.9	67,200	70.6	300.3	70,800 b	
70	56.9	291.0	54,100	61.5	294.8	64,500	68.2	298.8	70,000	
75	53.3	287.4	51,000	58.2	291.8	60,500	65.0	296.5	68,700	
80	49.6	283.3	47,400	54.7	288.4	56,700	61.8	293.9	67,200	
81	48.8	282.4	46,800	54.0	287.7	55,900	61.1	293.3	66,900	
85	45.7	278.6	44,400	51.1	284.6	53,000	58.5	291.0	65,700	
90	41.5	273.3	41,600	47.3	280.1	49,800	55.0	287.6	62,300	
95	36.9	267.0	39,100	43.2	275.0	46,400	51.4	283.8	58,200	
100	31.7	259.4	37,100	38.7	269.1	43,600	47.6	279.4	54,500	
105	25.6	250.0	35,400	33.8	262.1	41,100	43.5	274.4	51,200	
106	23.9	247.3	35,200	32.7	260.4	40,700	42.6	273.2	50,600	
110	17.5	236.8	34,500	28.1	253.5	39,000	39.1	268.5	48,200	
114	4.7	214.9	34,500	22.4	244.5	37,800	35.2	263.0	46,000	
115				21.0	242.2	37,400	34.2	261.6	45,500	
120				9.6	223.0	36,800	28.6	253.2	43,000	
121				4.4	213.9	36,800	27.2	251.0	42,500	
125							21.7	242.2	40,700	
130							11.1	224.3	38,500	
131							7.1	217.5	38,100	
135									135	
140									140	
141									141	
145									145	
150									150	
153									153	
155									155	
158									158	
160									160	
165									165	
170									170	
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191									191	

# MLC250 S-3

ASME B30.5



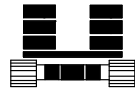
219,600 lb  
+  
80,000 lb



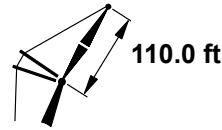
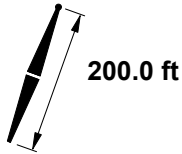
	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
40													40
45													45
50													50
55													55
60													60
65													65
66													66
70													70
75													75
80													80
81	67.8	296.8	70,100										81
85	65.2	295.0	65,900										85
90	62.0	292.5	61,300										90
95	58.7	289.5	57,200										95
100	55.3	286.2	53,500										100
105	51.7	282.4	50,300										105
106	50.9	281.5	49,700	62.7	289.0	44,000							106
110	47.9	278.0	47,300	60.0	286.8	41,900							110
114	44.6	274.0	45,200	57.3	284.2	40,000							114
115	43.8	273.1	44,600	56.6	283.6	39,500							115
120	39.4	267.3	42,200	53.1	280.0	37,300							120
121	38.5	265.9	41,700	52.4	279.2	36,900							121
125	34.6	260.5	40,000	49.4	275.9	35,300							125
130	29.0	252.2	37,900	45.5	271.2	33,500	57.7	279.2	29,100				130
131	27.7	250.0	37,500	44.6	270.1	33,100	57.0	278.5	28,800				131
135	22.2	241.4	36,000	41.2	265.7	31,800	54.2	275.8	27,600				135
140	12.1	224.4	34,100	36.6	259.4	30,200	50.6	271.8	26,200				140
141	8.7	218.5	33,800	35.5	257.8	29,900	49.8	270.9	25,900				141
145				31.4	251.7	28,700	46.7	267.3	24,900				145
150				25.2	242.1	27,300	42.6	262.1	23,700				150
153				20.2	234.0	26,500	39.9	258.5	23,000	52.8	267.4	19,500	153
155				16.9	228.6	26,000	38.1	256.1	22,600	51.4	265.8	19,100	155
158				8.6	214.5	25,200	35.1	251.7	21,900	49.1	263.2	18,500	158
160							33.1	248.9	21,500	47.6	261.4	18,100	160
165							27.3	240.0	20,500	43.5	256.4	17,300	165
170							19.9	228.1	19,500	39.1	250.5	16,400	170
175							6.6	205.6	18,500	34.2	243.6	15,600	175
180										28.6	235.2	14,900	180
185										21.6	224.2	14,100	185
190										10.9	206.2	13,400	190
191										6.9	199.2	13,200	191

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ASME B30.5



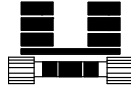
219,600 lb  
+  
80,000 lb



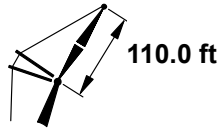
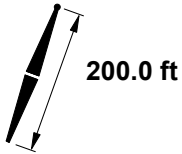
	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
43	75.5	314.2	58,900 d							43
45	74.4	313.6	58,400 d							45
50	71.7	312.0	56,900 b							50
53	70.0	310.9	56,000 b	73.9	312.9	67,400 b				53
55	68.9	310.2	55,400 b	72.8	312.2	66,900 b				55
60	66.1	308.0	53,700 b	70.0	310.5	65,500				60
65	63.2	305.6	52,200	67.2	308.5	64,000				65
69	60.8	303.4	51,100	64.9	306.6	62,200	70.8	309.9	65,500	69
70	60.2	302.8	50,800	64.3	306.1	61,800	70.3	309.5	65,300	70
75	57.1	299.7	49,000	61.4	303.5	58,200	67.4	307.5	64,400	75
80	54.0	296.2	46,000	58.4	300.5	54,800	64.6	305.2	63,300	80
85	50.6	292.2	43,100	55.2	297.2	51,400	61.6	302.6	62,100	85
90	47.1	287.7	40,200	52.0	293.4	48,200	58.6	299.7	60,900	90
95	43.4	282.7	37,700	48.5	289.1	45,300	55.5	296.3	57,800	95
100	39.4	276.9	35,500	44.9	284.3	42,500	52.2	292.6	54,300	100
105	35.1	270.1	33,600	41.1	278.8	39,800	48.8	288.4	51,000	105
110	30.2	262.1	32,000	36.8	272.5	37,500	45.2	283.6	48,100	110
115	24.3	252.1	30,700	32.2	265.0	35,600	41.4	278.2	45,300	115
120	16.6	238.2	29,900	26.8	255.9	33,900	37.2	271.9	42,900	120
124	4.4	215.2	29,900	21.4	246.4	32,900	33.5	266.0	41,000	124
125				20.0	244.0	32,600	32.6	264.6	40,500	125
130				9.2	223.8	32,100	27.2	255.6	38,500	130
131				4.2	214.2	32,100	25.9	253.3	38,100	131
135							20.6	244.0	36,500	135
140							10.5	225.2	34,600	140
141							6.7	218.0	34,300	141
145										145
150										150
151										151
155										155
159										159
160										160
165										165
168										168
170										170
175										175
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200										200
201										201

# MLC250 S-3

ASME B30.5



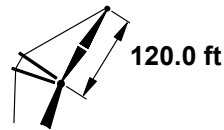
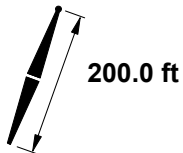
219,600 lb  
+  
80,000 lb



	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
43													43
45													45
50													50
53													53
55													55
60													60
65													65
69													69
70													70
75													75
80													80
85	67.6	306.0	65,700										85
90	64.8	303.7	61,100										90
95	61.8	301.1	57,000										95
100	58.8	298.2	53,400										100
105	55.7	294.9	50,100										105
110	52.5	291.2	47,200	63.0	298.2	41,700							110
115	49.1	287.0	44,500	60.0	295.4	39,300							115
120	45.5	282.3	42,100	57.0	292.3	37,200							120
124	42.4	278.0	40,300	54.4	289.5	35,600							124
125	41.7	276.9	39,900	53.8	288.8	35,200							125
130	37.5	270.7	37,800	50.4	284.8	33,300							130
131	36.6	269.2	37,500	49.7	283.9	33,000							131
135	32.9	263.4	35,900	46.9	280.3	31,700	57.9	287.9	27,400				135
140	27.6	254.6	34,200	43.2	275.2	30,100	54.8	284.5	26,000				140
141	26.3	252.3	33,900	42.4	274.0	29,800	54.1	283.7	25,800				141
145	21.2	243.2	32,500	39.2	269.3	28,600	51.5	280.6	24,700				145
150	11.5	225.4	31,000	34.8	262.5	27,300	48.1	276.3	23,500				150
151	8.2	219.2	30,600	33.8	260.9	27,000	47.3	275.3	23,300				151
155				29.8	254.4	26,000	44.4	271.4	22,400				155
159				25.1	246.3	25,000	41.3	266.9	21,600	52.9	275.4	18,100	159
160				23.9	244.2	24,800	40.5	265.8	21,400	52.2	274.6	18,000	160
165				16.1	230.0	23,600	36.2	259.3	20,400	48.8	270.4	17,100	165
168				8.2	215.2	22,900	33.4	254.8	19,800	46.6	267.5	16,600	168
170							31.5	251.7	19,400	45.2	265.6	16,300	170
175							25.9	242.3	18,500	41.3	260.2	15,500	175
180							18.9	229.8	17,700	37.2	253.9	14,800	180
185							6.3	206.1	16,800	32.5	246.6	14,100	185
190										27.2	237.6	13,400	190
195										20.6	225.9	12,700	195
200										10.4	207.0	12,000	200
201										6.5	199.7	11,800	201

# MLC250 S-3

ASME B30.5

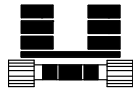


	88°			86°			83°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
45	75.8	324.0	54,400 d						45	
50	73.3	322.5	53,200 c						50	
55	70.8	320.9	51,900 b						55	
56	70.2	320.5	51,600 b	73.8	322.4	59,000			56	
60	68.2	318.9	50,400 b	71.8	321.1	59,000			60	
65	65.6	316.7	49,000	69.2	319.3	59,000			65	
70	62.9	314.2	48,300	66.6	317.2	58,700			70	
72	61.8	313.1	47,800	65.6	316.2	57,700	71.0	319.4	59,000	
75	60.2	311.5	47,100	64.0	314.8	56,100	69.4	318.3	59,000	
80	57.4	308.4	44,600	61.3	312.2	53,000	66.8	316.2	59,000	
85	54.5	304.9	41,800	58.5	309.2	49,900	64.2	313.9	58,200	
89	52.1	301.8	39,900	56.2	306.5	47,600	62.0	311.8	57,500	
90	51.5	301.0	39,400	55.6	305.9	47,000	61.5	311.3	57,300	
95	48.3	296.7	37,000	52.7	302.2	44,200	58.7	308.3	56,000	
100	45.0	291.9	34,700	49.6	298.1	41,600	55.9	305.0	53,100	
105	41.5	286.5	32,700	46.3	293.4	39,200	52.9	301.4	50,200	
110	37.7	280.3	30,900	42.9	288.3	36,900	49.8	297.3	47,500	
115	33.5	273.2	29,400	39.2	282.4	34,800	46.6	292.7	44,800	
120	28.8	264.7	28,000	35.2	275.7	32,900	43.2	287.6	42,300	
125	23.2	254.2	27,000	30.7	267.8	31,200	39.5	281.8	40,000	
130	15.9	239.6	26,500	25.6	258.2	29,900	35.5	275.1	37,700	
134	4.2	215.5	26,500	20.4	248.1	29,100	32.0	268.9	36,200	
135				19.1	245.6	28,900	31.1	267.3	35,800	
140				8.7	224.5	28,600	26.0	257.9	34,100	
141				4.0	214.5	28,600	24.8	255.5	33,800	
145							19.7	245.7	32,500	
150							10.0	226.0	30,900	
151							6.4	218.5	30,600	
155									155	
160									160	
161									161	
165									165	
170									170	
175									175	
178									178	
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211									211	

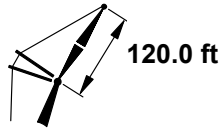
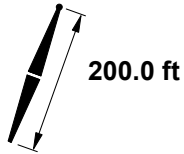


# MLC250 S-3

ASME B30.5



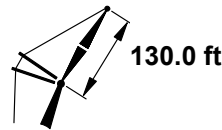
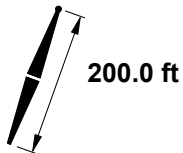
219,600 lb  
+  
80,000 lb



	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
45													45
50													50
55													55
56													56
60													60
65													65
70													70
72													72
75													75
80													80
85													85
89	67.5	315.2	59,000										89
90	67.0	314.7	59,000										90
95	64.4	312.4	56,400										95
100	61.7	309.8	52,800										100
105	58.9	306.9	49,500										105
110	56.1	303.6	46,600										110
115	53.1	300.0	44,000	62.8	306.9	38,700							115
120	50.0	295.9	41,600	60.0	304.1	36,500							120
125	46.8	291.4	39,400	57.2	301.0	34,500							125
130	43.4	286.3	37,300	54.3	297.5	32,700							130
134	40.5	281.7	35,800	51.9	294.4	31,400							134
135	39.8	280.5	35,500	51.3	293.6	31,100							135
140	35.8	273.9	33,700	48.1	289.3	29,500							140
141	34.9	272.4	33,400	47.5	288.3	29,200	57.6	295.9	25,100				141
145	31.4	266.3	32,100	44.8	284.4	28,100	55.2	293.2	24,100				145
150	26.4	257.0	30,600	41.3	279.0	26,700	52.3	289.5	22,900				150
151	25.2	254.6	30,300	40.5	277.7	26,500	51.6	288.6	22,700				151
155	20.2	245.0	29,200	37.4	272.7	25,500	49.1	285.3	21,800				155
160	11.0	226.3	27,800	33.3	265.5	24,300	45.9	280.6	20,700				160
161	7.8	219.8	27,500	32.3	263.8	24,100	45.2	279.5	20,500				161
165				28.5	256.9	23,200	42.4	275.3	19,800	52.9	283.4	16,400	165
170				22.9	246.3	22,100	38.7	269.3	18,800	49.8	279.3	15,500	170
175				15.4	231.3	21,100	34.6	262.5	18,000	46.6	274.8	14,700	175
178				7.8	215.8	20,500	31.9	257.6	17,500	44.5	271.7	14,300	178
180							30.1	254.4	17,100	43.2	269.6	14,000	180
185							24.8	244.5	16,400	39.5	263.8	13,300	185
190							18.1	231.4	15,600	35.5	257.1	12,600	190
195							6.0	206.6	14,800	31.1	249.3	11,900	195
200										26.0	239.9	11,300	200
205										19.7	227.7	10,600	205
210										9.9	207.8	10,000	210
211										6.2	200.2	9,800	211

# MLC250 S-3

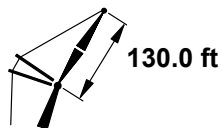
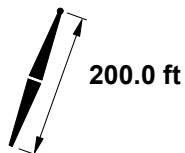
ASME B30.5



	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
47	76.0	333.8	50,400 d							47
50	74.6	333.0	49,900 c							50
55	72.3	331.4	48,800 b							55
59	70.4	330.0	47,700 b	73.7	331.9	57,400				59
60	70.0	329.7	47,400 b	73.2	331.6	57,200				60
65	67.6	327.7	46,700	70.9	329.9	56,300				65
70	65.2	325.4	45,600	68.5	328.0	55,300				70
75	62.7	322.9	44,400	66.1	325.9	53,700				75
76	62.2	322.4	44,200	65.6	325.4	53,200	70.6	328.6	55,700	76
80	60.2	320.1	43,100	63.7	323.5	51,000	68.7	327.1	55,400	80
85	57.6	317.0	40,500	61.2	320.8	48,300	66.3	325.0	54,800	85
90	54.9	313.6	38,100	58.6	317.9	45,600	63.9	322.6	54,000	90
92	53.8	312.1	37,300	57.6	316.5	44,600	62.9	321.5	53,700	92
95	52.2	309.9	35,900	56.0	314.6	43,000	61.4	319.9	53,200	95
100	49.3	305.7	33,800	53.3	310.9	40,500	58.8	317.0	51,400	100
105	46.3	301.1	31,800	50.4	306.9	38,200	56.2	313.7	48,900	105
110	43.1	295.9	29,900	47.5	302.5	35,900	53.5	310.1	46,300	110
115	39.8	290.1	28,400	44.4	297.6	34,100	50.7	306.2	43,900	115
120	36.1	283.6	26,900	41.1	292.0	32,000	47.7	301.8	41,500	120
125	32.1	276.0	25,700	37.6	285.8	30,300	44.7	296.9	39,200	125
130	27.6	267.1	24,600	33.8	278.7	28,700	41.4	291.4	37,100	130
135	22.3	256.1	23,800	29.5	270.4	27,500	37.9	285.2	35,100	135
140	15.2	240.9	23,400	24.5	260.3	26,400	34.1	278.2	33,300	140
144	4.0	215.8	23,400	19.6	249.8	25,700	30.7	271.6	32,000	144
145				18.3	247.2	25,600	29.9	270.0	31,600	145
146				16.3	242.8	25,500	28.9	268.0	31,300	146
150				8.4	225.2	25,300	25.0	260.1	30,200	150
151				3.8	214.8	25,300	23.8	257.6	29,900	151
155							18.9	247.4	29,000	155
160							9.6	226.8	27,600	160
161							6.1	219.0	27,400	161
165										165
170										170
171										171
175										175
180										180
185										185
188										188
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221										221

# MLC250 S-3

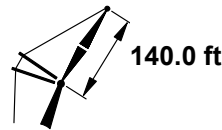
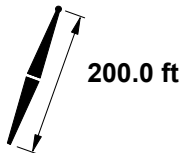
ASME B30.5



	80°			75°			70°			65°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
47													47
50													50
55													55
59													59
60													60
65													65
70													70
75													75
76													76
80													80
85													85
90													90
92	67.9	324.7	58,200										92
95	66.5	323.4	56,000										95
100	64.1	321.1	52,400										100
105	61.6	318.4	49,100										105
110	59.0	315.5	46,200										110
115	56.4	312.3	43,600										115
120	53.7	308.7	41,200	62.6	315.6	36,100							120
125	50.9	304.8	39,000	60.0	312.8	34,100							125
130	47.9	300.4	37,000	57.4	309.7	32,300							130
135	44.9	295.5	35,100	54.8	306.2	30,600							135
140	41.6	290.1	33,400	52.0	302.4	29,100							140
144	38.8	285.2	32,100	49.7	299.1	28,000							144
145	38.1	284.0	31,800	49.1	298.2	27,700							145
146	37.4	282.6	31,500	48.5	297.3	27,400	57.7	304.6	23,400				146
150	34.4	277.0	30,300	46.1	293.6	26,300	55.6	301.9	22,400				150
151	33.5	275.4	30,000	45.5	292.5	26,100	55.1	301.2	22,200				151
155	30.2	268.9	28,900	42.9	288.4	25,100	52.9	298.2	21,300				155
160	25.3	259.2	27,600	39.6	282.6	23,900	50.0	294.2	20,300				160
161	24.1	256.7	27,300	38.8	281.2	23,700	49.4	293.3	20,100				161
165	19.4	246.7	26,300	35.9	276.0	22,800	47.1	289.7	19,300				165
170	10.5	227.2	25,100	31.9	268.4	21,800	44.0	284.7	18,400				170
171	7.5	220.5	24,900	31.0	266.6	21,600	43.3	283.5	18,300	52.9	291.4	14,700	171
175				27.4	259.4	20,800	40.6	279.1	17,600	50.6	288.2	14,100	175
180				22.0	248.2	19,900	37.1	272.7	16,800	47.7	283.8	13,300	180
185				14.7	232.6	19,000	33.2	265.5	16,000	44.6	278.9	12,600	185
188				7.5	216.4	18,400	30.6	260.4	15,600	42.7	275.6	12,200	188
190							28.9	257.0	15,300	41.4	273.4	11,900	190
195							23.8	246.6	14,600	37.9	267.3	11,300	195
200							17.3	232.9	13,900	34.1	260.2	10,700	200
205							5.7	207.0	13,100	29.8	252.0	10,100	205
210										24.9	242.1	9,500	210
220										9.5	208.6	8,400	220
221										5.9	200.7	8,200	221

# MLC250 S-3

ASME B30.5



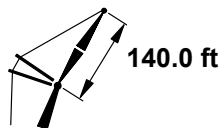
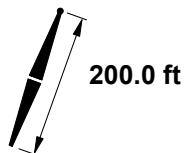
	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
50	75.7	343.3	46,500 c							50
55	73.6	341.9	45,600 b							55
60	71.5	340.3	44,800 b							60
61	71.0	339.9	44,500 b	74.0	341.8	53,200				61
65	69.3	338.5	43,300	72.3	340.5	52,600				65
70	67.1	336.4	42,900	70.1	338.8	51,800				70
75	64.8	334.1	41,200	67.9	336.8	50,900				75
79	63.0	332.1	40,900	66.1	335.0	49,200	70.7	338.2	51,500	79
80	62.5	331.6	40,900	65.7	334.6	48,700	70.3	337.8	51,400	80
85	60.2	328.8	39,100	63.4	332.2	46,200	68.1	335.8	51,100	85
90	57.8	325.7	36,800	61.1	329.5	43,900	65.9	333.7	50,600	90
95	55.3	322.3	34,700	58.7	326.5	41,500	63.6	331.3	49,900	95
96	54.8	321.6	34,300	58.2	325.9	41,100	63.1	330.7	49,800	96
100	52.8	318.6	32,600	56.3	323.3	39,300	61.3	328.6	49,300	100
105	50.1	314.6	30,900	53.8	319.7	37,100	58.9	325.6	47,200	105
110	47.4	310.1	29,200	51.2	315.8	35,000	56.5	322.4	45,000	110
115	44.5	305.2	27,500	48.5	311.5	33,100	54.0	318.9	42,700	115
120	41.5	299.7	26,000	45.6	306.7	31,200	51.4	315.0	40,500	120
124	38.9	294.8	25,000	43.3	302.5	29,900	49.2	311.6	38,800	124
125	38.2	293.6	24,700	42.7	301.5	29,600	48.7	310.7	38,400	125
130	34.8	286.7	23,500	39.5	295.7	27,900	45.9	306.0	36,300	130
135	30.9	278.8	22,500	36.2	289.1	26,600	42.9	300.8	34,400	135
140	26.6	269.5	21,600	32.5	281.6	25,300	39.8	295.0	32,600	140
145	21.5	258.0	21,000	28.4	272.9	24,200	36.4	288.5	30,900	145
150	14.7	242.2	20,700	23.6	262.4	23,300	32.8	281.2	29,400	150
151	12.0	235.6	20,700	22.4	259.7	23,200	32.0	279.4	29,100	151
154	3.9	216.1	20,700	18.8	251.5	22,800	29.5	274.3	28,300	154
155				17.7	248.8	22,700	28.7	272.6	28,100	155
160				8.0	225.8	22,500	24.0	262.3	26,800	160
161				3.6	215.1	22,500	22.9	259.6	26,600	161
165							18.2	248.9	25,800	165
170							9.2	227.6	24,500	170
171							5.9	219.5	24,300	171
175										175
177										177
180										180
181										181
190										190
198										198
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231										231

# MLC250 S-3

ASME B30.5



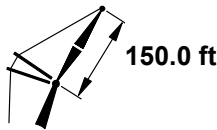
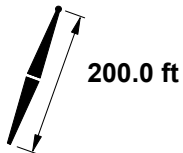
219,600 lb  
+  
80,000 lb



	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
50													50
55													55
60													60
61													61
65													65
70													70
75													75
79													79
80													80
85													85
90													90
95													95
96	67.8	333.9	54,500										96
100	66.0	332.2	51,800										100
105	63.8	329.8	48,600										105
110	61.5	327.1	45,700										110
115	59.1	324.2	43,000										115
120	56.6	321.0	40,600										120
124	54.6	318.2	38,900	62.8	324.8	33,800							124
125	54.1	317.5	38,400	62.4	324.2	33,500							125
130	51.6	313.6	36,400	60.0	321.4	31,700							130
135	48.9	309.4	34,600	57.6	318.3	30,000							135
140	46.1	304.7	32,900	55.2	314.9	28,500							140
145	43.1	299.5	31,300	52.6	311.2	27,100							145
150	40.0	293.8	29,800	50.0	307.1	25,800							150
151	39.3	292.5	29,500	49.4	306.2	25,500	57.9	313.3	21,500				151
154	37.3	288.6	28,700	47.8	303.5	24,800	56.4	311.3	20,900				154
155	36.7	287.3	28,400	47.2	302.6	24,500	55.9	310.6	20,700				155
160	33.1	280.0	27,100	44.3	297.7	23,400	53.4	307.0	19,700				160
161	32.2	278.3	26,900	43.7	296.6	23,200	52.9	306.2	19,500				161
165	29.0	271.5	25,900	41.3	292.2	22,300	50.8	303.0	18,700				165
170	24.4	261.4	24,800	38.0	286.0	21,300	48.1	298.7	17,800				170
171	23.2	258.7	24,500	37.3	284.6	21,100	47.5	297.7	17,600				171
175	18.7	248.3	23,700	34.5	279.1	20,300	45.3	293.9	17,000				175
177	15.2	240.2	23,200	33.0	275.9	19,900	44.1	291.7	16,600	52.9	299.4	12,800	177
180	10.1	228.1	22,600	30.7	271.1	19,400	42.3	288.6	16,200	51.4	297.0	12,400	180
181	7.2	221.1	22,400	29.7	269.0	19,200	41.6	287.3	16,000	50.8	296.1	12,200	181
190				21.1	250.0	17,700	35.7	276.0	14,700	45.9	288.1	11,000	190
198				7.2	217.0	16,400	29.4	262.7	13,600	41.0	279.3	10,000	198
200							27.8	259.4	13,400	39.8	277.1	9,800	200
210							16.7	234.3	12,100	32.8	263.2	8,700	210
215							5.5	207.5	11,400	28.7	254.6	8,100	215
220										24.0	244.2	7,600	220
230										9.1	209.4	6,600	230
231										5.7	201.1	6,500	231

# MLC250 S-3

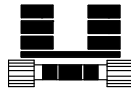
ASME B30.5



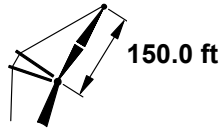
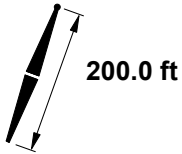
	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
52	75.9	353.2	43,200 c							52
55	74.7	352.3	42,800 b							55
60	72.7	350.8	41,800 b							60
64	71.1	349.5	41,300 b	73.9	351.3	49,300				64
65	70.7	349.1	41,200	73.5	351.0	49,200				65
70	68.7	347.2	40,400	71.5	349.4	48,500				70
75	66.6	345.1	39,400	69.5	347.6	47,800				75
80	64.5	342.8	37,900	67.4	345.5	46,500				80
82	63.6	341.8	37,800	66.6	344.6	45,600	70.9	347.7	47,700	82
85	62.3	340.2	37,700	65.3	343.3	44,300	69.6	346.6	47,500	85
90	60.2	337.4	35,600	63.2	340.8	42,300	67.6	344.6	47,300	90
95	57.9	334.4	33,600	61.0	338.1	40,100	65.5	342.4	46,800	95
100	55.6	331.1	31,700	58.8	335.2	38,100	63.4	339.9	46,300	100
105	53.3	327.4	30,000	56.5	332.0	36,100	61.2	337.2	45,500	105
110	50.8	323.4	28,300	54.2	328.4	34,100	59.0	334.3	43,500	110
115	48.3	319.1	26,800	51.8	324.6	32,300	56.7	331.1	41,400	115
120	45.7	314.4	25,400	49.3	320.4	30,600	54.4	327.6	39,500	120
125	42.9	309.1	24,000	46.7	315.8	28,900	52.0	323.8	37,500	125
129	40.6	304.5	23,000	44.5	311.8	27,700	50.0	320.5	36,000	129
130	40.0	303.4	22,800	44.0	310.8	27,400	49.5	319.6	35,600	130
135	36.9	297.0	21,700	41.2	305.3	26,100	46.9	315.1	33,800	135
140	33.5	289.7	20,700	38.1	299.1	24,600	44.2	310.1	32,100	140
145	29.8	281.5	19,900	34.9	292.2	23,500	41.4	304.6	30,500	145
150	25.7	271.8	19,200	31.3	284.4	22,400	38.4	298.5	29,000	150
155	20.7	259.8	18,700	27.4	275.4	21,500	35.2	291.7	27,700	155
157	18.1	253.2	18,600	25.5	271.0	21,200	33.7	288.6	27,100	157
160	14.1	243.4	18,500	22.8	264.4	20,800	31.6	284.0	26,200	160
164	3.7	216.4	18,500	18.2	253.1	20,400	28.5	276.8	25,300	164
165				17.0	250.2	20,300	27.7	275.0	25,000	165
170				7.8	226.5	20,200	23.2	264.3	24,100	170
171				3.5	215.3	20,200	22.1	261.5	23,900	171
175							17.6	250.5	23,200	175
180							8.9	228.4	22,100	180
181							5.7	220.0	21,900	181
183										183
190										190
191										191
200										200
208										208
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225										225
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240										240
241										241

# MLC250 S-3

ASME B30.5



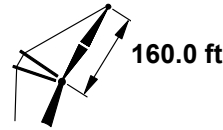
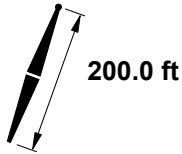
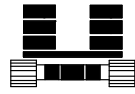
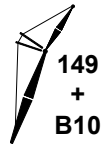
219,600 lb  
+  
80,000 lb



	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
52													52
55													55
60													60
64													64
65													65
70													70
75													75
80													80
82													82
85													85
90													90
95													95
100	67.7	343.1	50,700										100
105	65.6	340.9	48,400										105
110	63.5	338.4	45,500										110
115	61.4	335.8	42,800										115
120	59.1	332.9	40,400										120
125	56.9	329.7	38,300										125
129	55.0	326.9	36,700	62.7	333.4	31,800							129
130	54.6	326.2	36,300	62.2	332.9	31,500							130
135	52.2	322.4	34,400	60.0	330.1	29,800							135
140	49.7	318.3	32,700	57.8	327.0	28,300							140
145	47.1	313.8	31,100	55.5	323.7	26,900							145
150	44.4	308.8	29,700	53.1	320.0	25,600							150
155	41.6	303.3	28,300	50.7	316.0	24,300							155
157	40.4	300.9	27,800	49.7	314.3	23,900	57.6	321.3	20,100				157
160	38.6	297.3	27,000	48.1	311.6	23,200	56.2	319.3	19,500				160
164	36.0	291.9	26,000	46.0	307.8	22,300	54.3	316.5	18,700				164
165	35.4	290.5	25,800	45.5	306.9	22,100	53.9	315.8	18,500				165
170	31.9	282.9	24,700	42.7	301.6	21,100	51.5	311.9	17,600				170
171	31.1	281.1	24,400	42.1	300.5	20,900	51.0	311.0	17,500				171
175	28.0	274.0	23,600	39.8	295.8	20,200	49.0	307.6	16,800				175
180	23.5	263.4	22,600	36.7	289.4	19,300	46.4	303.0	16,000				180
181	22.1	260.0	22,400	36.0	287.8	19,100	45.8	301.9	15,800				181
183	19.4	253.1	22,000	34.6	284.7	18,800	44.7	299.8	15,600	52.9	307.4	11,600	183
190	9.7	228.9	20,600	29.6	273.8	17,600	40.8	292.3	14,500	49.5	301.7	10,700	190
191	7.0	221.6	20,400	28.7	271.6	17,400	40.1	291.0	14,400	49.0	300.7	10,600	191
200				20.4	251.8	16,100	34.4	279.1	13,200	44.2	292.1	9,500	200
208				6.9	217.6	14,900	28.3	265.3	12,200	39.5	282.9	8,600	208
210							26.8	261.8	11,900	38.4	280.6	8,400	210
220							16.1	235.7	10,700	31.6	266.0	7,400	220
225							5.3	207.9	10,000	27.7	257.0	6,900	225
230										23.1	246.3	6,400	230
240										8.8	210.1	5,500	240
241										5.5	201.5	5,400	241

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	88°			86°			83°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	
55	75.7	362.7	39,900 b							55
60	73.8	361.3	39,100 b							60
65	72.0	359.7	38,600							65
67	71.2	359.0	38,300	73.8	360.9	45,500				67
70	70.1	358.0	37,900	72.7	359.9	45,200				70
75	68.1	356.0	37,000	70.8	358.2	44,700				75
80	66.2	353.8	36,200	68.9	356.4	44,100				80
85	64.2	351.5	35,400	67.0	354.3	42,300	71.0	357.3	44,000	85
90	62.2	348.9	34,200	65.0	352.0	40,400	69.1	355.4	43,900	90
95	60.1	346.1	32,400	63.0	349.5	38,600	67.1	353.3	43,600	95
100	58.1	343.1	30,700	61.0	346.8	36,700	65.2	351.1	43,300	100
103	56.8	341.1	29,700	59.7	345.0	35,600	64.0	349.6	43,000	103
105	55.9	339.8	29,000	58.9	343.8	34,800	63.2	348.6	42,800	105
110	53.7	336.2	27,400	56.8	340.6	33,100	61.1	345.9	41,700	110
115	51.4	332.3	26,000	54.6	337.2	31,300	59.1	343.0	40,000	115
120	49.1	328.0	24,600	52.3	333.4	29,700	56.9	339.8	38,200	120
125	46.7	323.4	23,400	50.0	329.3	28,200	54.8	336.3	36,500	125
130	44.1	318.4	22,200	47.6	324.9	26,700	52.5	332.6	34,800	130
133	42.5	315.1	21,500	46.1	322.0	25,900	51.1	330.2	33,700	133
135	41.5	312.9	21,000	45.1	320.0	25,300	50.2	328.5	33,000	135
140	38.7	306.9	20,000	42.5	314.7	24,200	47.8	324.1	31,400	140
145	35.7	300.2	19,100	39.8	308.9	23,000	45.3	319.3	29,900	145
150	32.4	292.6	18,300	36.9	302.5	21,800	42.7	314.1	28,400	150
155	28.9	284.0	17,700	33.7	295.3	20,800	40.0	308.3	27,000	155
160	24.8	274.0	17,100	30.3	287.1	19,900	37.1	301.9	25,700	160
162	22.9	269.0	16,900	28.8	283.4	19,600	35.9	299.1	25,200	162
165	20.0	261.6	16,700	26.5	277.7	19,200	34.0	294.8	24,500	165
170	13.7	244.6	16,500	22.0	266.4	18,600	30.6	286.7	23,400	170
174	3.6	216.6	16,500	17.6	254.6	18,200	27.6	279.3	22,600	174
175				16.5	251.7	18,100	26.8	277.4	22,400	175
180				7.5	227.1	18,100	22.4	266.3	21,600	180
181				3.3	215.6	18,100	21.3	263.4	21,400	181
185							17.0	251.9	20,600	185
189							10.3	233.6	19,800	189
190							8.6	229.1	19,600	190
191							5.5	220.4	19,400	191
195										195
200										200
201										201
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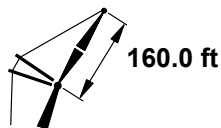
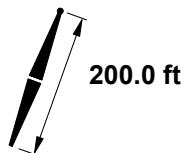


# MLC250 S-3

ASME B30.5



219,600 lb  
+  
80,000 lb



	80°			75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft	ft	lb	
55													55
60													60
65													65
67													67
70													70
75													75
80													80
85													85
90													90
95													95
100													100
103	68.0	352.7	46,800										103
105	67.3	351.8	46,800										105
110	65.3	349.6	44,900										110
115	63.3	347.1	42,300										115
120	61.3	344.4	39,900										120
125	59.2	341.5	37,700										125
130	57.1	338.4	35,700										130
133	55.8	336.3	34,600	62.9	342.6	29,800							133
135	54.9	334.9	33,900	62.1	341.6	29,200							135
140	52.7	331.2	32,200	60.0	338.7	27,700							140
145	50.4	327.2	30,600	57.9	335.7	26,300							145
150	48.0	322.8	29,100	55.8	332.4	25,000							150
155	45.5	318.0	27,800	53.6	328.7	23,800							155
160	42.9	312.8	26,500	51.3	324.8	22,600							160
162	41.8	310.5	26,000	50.4	323.1	22,200	57.8	330.0	18,400				162
165	40.2	307.0	25,300	48.9	320.6	21,600	56.5	328.0	17,900				165
170	37.3	300.7	24,200	46.5	316.0	20,500	54.3	324.5	17,000				170
174	34.8	295.0	23,300	44.5	311.9	19,800	52.5	321.4	16,300				174
175	34.2	293.6	23,100	44.0	310.9	19,600	52.0	320.7	16,100				175
180	30.8	285.6	22,100	41.3	305.4	18,700	49.7	316.5	15,300				180
181	30.1	283.8	21,900	40.7	304.2	18,500	49.2	315.6	15,100				181
185	27.1	276.4	21,200	38.5	299.3	17,900	47.3	312.0	14,500				185
189	23.6	267.6	20,400	36.1	293.9	17,200	45.3	308.1	13,900	53.0	315.4	9,900	189
190	22.8	265.4	20,200	35.5	292.6	17,100	44.8	307.1	13,800	52.5	314.6	9,800	190
191	21.7	262.6	20,100	34.8	291.1	16,900	44.3	306.1	13,600	52.0	313.8	9,700	191
195	17.4	251.4	19,400	32.2	285.0	16,300	42.2	301.8	13,000	50.2	310.6	9,200	195
200	9.4	229.7	18,500	28.6	276.3	15,600	39.4	295.9	12,400	47.8	306.2	8,600	200
201	6.7	222.2	18,300	27.8	274.3	15,500	38.8	294.6	12,200	47.3	305.2	8,500	201
205				24.6	266.1	14,900	36.4	289.4	11,700	45.3	301.3	8,000	205
210				19.7	253.5	14,200	33.3	282.1	11,100	42.7	296.1	7,500	210
218				6.7	218.1	13,200	27.4	267.7	10,200	38.2	286.4	6,700	218
220							25.9	264.1	9,900	37.1	283.9	6,500	220
230							15.6	237.0	8,800	30.6	268.7	5,600	230
235							5.1	208.3	8,200	26.8	259.4	5,200	235