

Liftcrane Luffing Jib Capacities

Luffing Jib No. LJ10:681-682 on
 Boom No. B10:680
 881,800 lb VPC (Variable Position Counterweight)
 360 Degree Rating

**MLC650
 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.

Consult Luffing Jib Raising Procedure chart **No. 9521-A** for allowable boom point configurations for 203.4 ft and 223.1 ft boom lengths.

Upper luffing jib point capacity for liftcrane service with single part whip line from Drum 3 is 30,000 lb or 60,000 lb with two part whip line. When Drum 1 or Drum 2 is used, capacity with single part whip line is 48,800 lb, or 73,500 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 11,000 lb minimum weight suspended beneath luffing jib point, (c) require 21,000 lb minimum weight, and (d) require 28,000 lb minimum weight. **Caution: Do not luff into areas indicated by (b), (c), or (d) without required minimum weight.** Luffing jib may not luff down and luffing jib hoist wire rope may go slack. Luffing jib hoist wire rope may overhaul luffing 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 Luffing Jib Rigging **No. 81018143**, Wire Rope Specifications chart **No. 9524-A**, Counterweight Arrangements chart **No. 9349-A**, Luffing Jib Raising Procedure chart **No. 9521-A**, and Wind Conditions chart **No. 9523-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. 9522-A**.



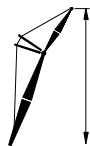
OPERATING RADIUS: Operating radius is horizontal distance from axis of rotation to center of vertical hoist line or load block. Boom angle and luffing jib angle are an indication of operating radius. In all cases, operating radius shall govern capacity.



BOOM ANGLE: Boom angle in degrees (°) is angle between horizontal and centerline of boom butt and inserts.



LUFFING JIB ANGLE: Luffing jib angle in degrees (°) 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 36 ft 6 in. crawlers, 60 in. or 80 in. treads, 36 ft 1 in. live mast, 30 part boom hoist reeving, boom support straps, 20 part luffing jib hoist reeving, luffing jib and backstay support straps, and 881,800 lb VPC.

Explanation of Symbols



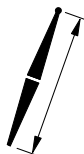
Luffing Jib No. LJ10:681-682
+
Boom No. B10:680



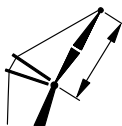
VPC (Variable Position Counterweight)



360 Degree Rating



Boom Length



Luffing Jib Length



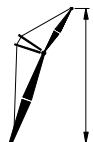
Boom Angle
(see page 1)



Operating Radius
(see page 1)



Luffing Jib Angle
(see page 1)



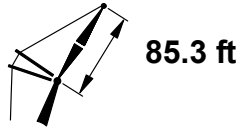
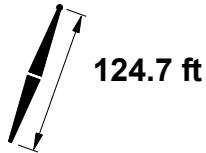
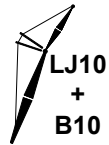
Luffing Jib Elevation
(see page 1)



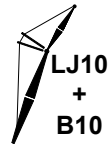
Lifting Capacities
(see page 1)

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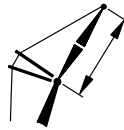
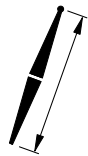
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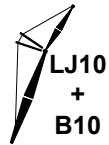
	85°			83°			80°			
										
	ft	ft	ft	lb	ft	lb	ft	lb	ft	ft
50	71.8	214.3	606,200 c		71.3	213.5	533,200 c			50
55	68.1	212.2	534,500 c							55
60	64.4	209.7	496,300 b		67.6	211.3	495,000 b			60
65	60.5	206.7	463,200 b		63.9	208.7	461,900 b		68.7	210.9
70	56.4	203.3	431,200		59.9	205.7	430,100 b		65.0	208.4
75	52.1	199.3	397,700		55.8	202.2	396,600		61.1	205.5
80	47.5	194.6	369,000		51.5	198.1	367,900		57.1	202.2
85	42.5	189.0	344,200		46.9	193.3	343,200		52.8	198.3
90	36.9	182.3	322,500		41.8	187.7	321,500		48.3	193.7
95	30.3	173.9	303,500		36.1	180.8	302,500		43.3	188.3
100	21.7	162.1	286,700		29.3	172.0	285,700		37.8	181.8
105					20.3	159.5	270,700		31.4	173.7
110									23.3	162.7
115									7.9	140.3
120										
125										
130										
135										
140										
145										



881,800 lb



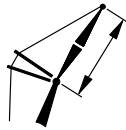
	75°			70°			65°			
ft			lb			lb			lb	ft
50										50
55										55
60										60
65										65
70										70
75										75
80										80
85	61.6	203.3	339,700							85
90	57.6	200.0	318,200							90
95	53.3	196.1	299,300							95
100	48.8	191.6	282,500	57.8	196.7	280,800				100
105	43.9	186.4	267,500	53.6	192.9	265,900				105
110	38.5	180.0	254,000	49.1	188.4	252,400				110
115	32.3	172.1	241,800	44.3	183.2	240,300	53.6	188.4	239,000	115
120	24.4	161.6	230,900	38.9	176.9	229,300	49.1	184.0	228,000	120
125	11.4	142.9	221,000	32.7	169.2	219,300	44.3	178.7	218,000	125
130				25.0	158.9	210,100	38.9	172.5	208,800	130
135				12.8	141.4	201,900	32.7	164.7	200,400	135
140							25.0	154.4	191,900	140
145							12.8	136.9	182,100	145



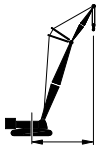
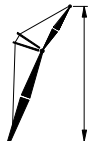
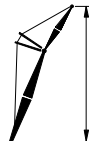
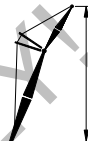
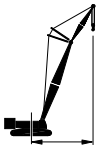
881,800 lb

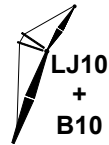


124.7 ft

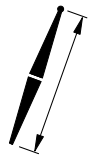


95.1 ft

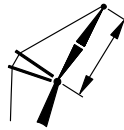
	 85°			 83°			 80°			
 ft		 ft	 lb		 ft	 lb		 ft	 lb	 ft
50	73.7	224.8	574,600 c							50
55	70.5	222.9	531,000 b							55
60	67.2	220.7	493,300 b	70.1	222.1	492,100 b				60
65	63.9	218.2	460,600 b	66.8	219.8	459,400 b				65
70	60.4	215.2	431,200	63.4	217.2	430,100 b	67.8	219.4	428,500	70
75	56.7	211.8	397,700	59.9	214.2	396,600	64.4	216.9	395,100	75
80	52.9	207.9	369,000	56.2	210.8	368,000	60.9	214.0	366,600	80
85	48.9	203.5	344,200	52.4	206.8	343,200	57.3	210.7	341,900	85
90	44.6	198.3	322,500	48.3	202.3	321,600	53.5	206.9	320,300	90
95	39.8	192.2	303,400	44.0	197.0	302,500	49.6	202.5	301,300	95
100	34.5	185.0	286,500	39.2	190.8	285,600	45.3	197.5	284,400	100
105	28.3	175.9	271,400	33.8	183.3	270,500	40.6	191.6	269,300	105
110	20.1	163.2	257,900	27.3	173.9	257,000	35.4	184.5	255,800	110
115				18.7	160.4	244,800	29.4	175.8	243,600	115
120							21.6	163.9	232,600	120
125							5.9	138.3	222,800	125
130										130
135										135
140										140
145										145
150										150
155										155



881,800 lb

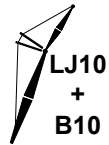


124.7 ft



95.1 ft

	75°			70°			65°			
	ft	ft	lb	ft	lb	ft	lb	ft	ft	
50										50
55										55
60										60
65										65
70										70
75										75
80										80
85	64.8	214.6	339,900							85
90	61.4	211.7	318,400							90
95	57.8	208.5	299,400							95
100	54.0	204.7	282,600							100
105	50.1	200.4	267,600	58.0	205.2	266,100				105
110	45.8	195.5	254,100	54.3	201.4	252,600				110
115	41.2	189.7	241,900	50.3	197.2	240,400				115
120	36.1	182.8	230,800	46.1	192.3	229,400	54.3	197.0	228,200	120
125	30.2	174.3	220,800	41.5	186.6	219,400	50.3	192.7	218,100	125
130	22.7	163.0	211,600	36.5	179.8	210,200	46.1	187.8	209,000	130
135	9.9	142.3	203,400	30.6	171.4	201,700	41.5	182.1	199,400	135
140				23.3	160.3	194,000	36.4	175.3	189,900	140
145				11.3	141.2	186,900	30.6	166.9	181,000	145
150							23.2	155.8	172,500	150
155							11.3	136.6	164,000	155



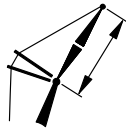
881,800 lb



360°



124.7 ft

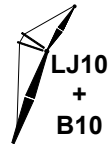


105.0 ft

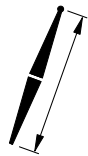
	85°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
55	72.4	233.5	527,100 b							55
60	69.5	231.5	490,100 b	72.1	232.6	488,900 b				60
65	66.5	229.2	457,900 b	69.1	230.6	456,700 b				65
70	63.5	226.6	429,500	66.1	228.3	428,400	70.0	230.1	426,800	70
75	60.3	223.7	397,400	63.0	225.7	396,300	67.0	227.9	394,900	75
80	57.0	220.3	368,700	59.9	222.7	367,700	63.9	225.4	366,400	80
85	53.6	216.5	343,900	56.6	219.3	343,000	60.8	222.5	341,700	85
90	50.0	212.3	322,200	53.1	215.4	321,400	57.5	219.2	320,100	90
95	46.2	207.4	303,200	49.5	211.1	302,300	54.1	215.5	301,100	95
100	42.1	201.8	286,200	45.7	206.1	285,400	50.6	211.3	284,300	100
105	37.6	195.2	271,100	41.5	200.4	270,300	46.8	206.5	269,200	105
110	32.5	187.4	257,500	37.0	193.7	256,700	42.8	201.0	255,600	110
115	26.6	177.7	245,200	31.8	185.7	244,500	38.3	194.6	243,400	115
120	18.6	164.1	234,200	25.7	175.6	233,400	33.4	187.1	232,300	120
125				17.3	161.1	223,300	27.6	177.7	222,200	125
130							20.1	165.0	213,000	130
135										135
140										140
145										145
150										150
155										155
160										160
165										165

MLC650 S-3

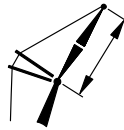
ASME B30.5



881,800 lb

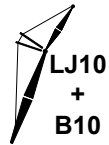


124.7 ft



105.0 ft

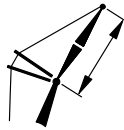
	75°			70°			65°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
55										55
60										60
65										65
70										70
75										75
80										80
85										85
90	64.3	223.0	318,200							90
95	61.2	220.2	299,300							95
100	57.9	217.0	282,500							100
105	54.6	213.3	267,500							105
110	51.0	209.2	254,000	58.2	213.6	252,600				110
115	47.3	204.5	241,800	54.8	210.0	240,400				115
120	43.3	199.1	230,700	51.3	205.9	229,400				120
125	38.9	192.8	220,600	47.5	201.2	219,300	54.8	205.6	218,100	125
130	34.0	185.4	211,400	43.5	195.9	210,100	51.3	201.5	208,100	130
135	28.4	176.3	202,900	39.2	189.7	201,600	47.5	196.8	198,100	135
140	21.2	164.2	195,200	34.4	182.4	193,800	43.5	191.5	188,800	140
145	8.5	141.4	188,200	28.8	173.4	186,600	39.2	185.3	180,100	145
150				21.7	161.6	180,000	34.4	178.0	171,900	150
155				10.0	140.7	171,500	28.8	169.0	164,200	155
160							21.7	157.1	156,800	160
165							10.0	136.1	149,200	165



881,800 lb



124.7 ft

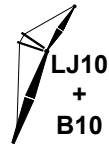


114.8 ft

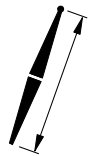
	85°			83°			80°			
ft			lb			lb			lb	ft
55	74.0	243.9	523,100 b							55
60	71.4	242.1	486,800 b							60
65	68.7	240.0	455,000	71.0	241.3	453,900				65
70	65.9	237.7	427,100	68.3	239.2	426,000				70
75	63.1	235.1	397,500	65.6	236.8	396,400	69.1	238.7	395,000	75
80	60.2	232.1	368,800	62.7	234.2	367,900	66.4	236.4	366,500	80
85	57.2	228.8	344,000	59.8	231.2	343,100	63.6	233.8	341,800	85
90	54.1	225.1	322,400	56.8	227.8	321,500	60.7	230.9	320,300	90
95	50.9	221.0	303,300	53.7	224.0	302,400	57.7	227.7	301,300	95
100	47.5	216.3	286,300	50.4	219.8	285,500	54.6	224.0	284,400	100
105	43.8	211.0	271,100	47.0	215.1	270,400	51.4	220.0	269,300	105
110	39.9	205.0	257,500	43.3	209.7	256,800	48.0	215.4	255,800	110
115	35.7	198.0	245,200	39.4	203.6	244,500	44.4	210.2	243,500	115
120	30.8	189.7	234,100	35.0	196.4	233,300	40.6	204.3	232,400	120
125	25.1	179.3	223,900	30.1	187.9	223,200	36.4	197.5	222,200	125
130	17.4	164.8	214,700	24.2	177.1	213,900	31.6	189.4	212,900	130
135				16.1	161.7	205,500	26.1	179.5	204,400	135
140							18.9	165.9	196,600	140
145										145
150										150
155										155
160										160
165										165
170										170
175										175

MLC650 S-3

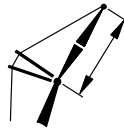
ASME B30.5



881,800 lb

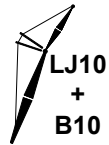


124.7 ft



114.8 ft

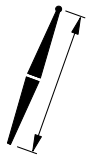
	75°			70°			65°			
ft			lb			lb			lb	ft
55										55
60										60
65										65
70										70
75										75
80										80
85										85
90										90
95	63.9	231.5	299,500							95
100	61.0	228.7	282,700							100
105	58.1	225.5	267,700							105
110	55.0	221.9	254,200							110
115	51.8	217.9	242,000	58.3	222.1	240,600				115
120	48.4	213.3	230,900	55.2	218.6	229,500				120
125	44.9	208.2	220,800	52.0	214.6	219,400				125
130	41.1	202.4	211,500	48.7	210.1	210,200				130
135	36.9	195.7	203,000	45.1	205.0	201,700	52.0	210.1	195,300	135
140	32.2	187.9	195,200	41.3	199.3	193,900	48.7	205.7	186,100	140
145	26.8	178.2	187,900	37.2	192.7	186,700	45.1	200.6	177,500	145
150	19.9	165.2	181,300	32.6	184.9	178,500	41.3	194.8	169,400	150
155	7.1	140.2	175,200	27.2	175.3	170,400	37.2	188.2	161,900	155
160				20.4	162.7	162,700	32.6	180.4	154,700	160
165				8.8	140.0	154,900	27.2	170.9	147,900	165
170							20.4	158.2	141,400	170
175							8.7	135.4	134,600	175



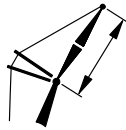
881,800 lb



360°



124.7 ft

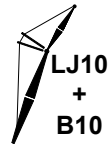


124.7 ft

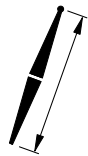
	85°			83°			80°			
ft			lb			lb			lb	ft
60	72.9	252.5	483,000							60
65	70.5	250.7	451,900	72.6	251.7	450,800				65
70	68.0	248.6	424,400	70.1	249.9	423,300				70
75	65.4	246.2	396,600	67.6	247.7	395,600				75
80	62.8	243.6	368,100	65.1	245.3	367,200	68.4	247.2	365,800	80
85	60.2	240.6	343,400	62.5	242.6	342,500	65.8	244.9	341,200	85
90	57.4	237.3	321,800	59.8	239.6	321,000	63.2	242.3	319,700	90
95	54.6	233.7	302,700	57.0	236.3	301,900	60.6	239.4	300,800	95
100	51.6	229.7	285,800	54.2	232.6	285,000	57.9	236.2	284,000	100
105	48.5	225.2	270,700	51.2	228.5	269,900	55.0	232.6	268,900	105
110	45.3	220.1	257,100	48.1	224.0	256,400	52.1	228.6	255,400	110
115	41.8	214.5	244,800	44.8	218.9	244,100	49.0	224.2	243,100	115
120	38.1	208.1	233,600	41.3	213.1	232,900	45.8	219.3	232,000	120
125	34.0	200.6	223,400	37.5	206.6	222,800	42.4	213.7	221,800	125
130	29.3	191.8	214,100	33.4	199.0	213,500	38.7	207.4	212,600	130
135	23.8	180.9	205,600	28.6	190.0	204,900	34.6	200.2	204,000	135
140	16.3	165.5	197,800	22.9	178.6	197,100	30.1	191.6	196,200	140
145				15.0	162.2	189,900	24.7	181.1	188,900	145
150							17.7	166.7	182,300	150
155										155
160										160
165										165
170										170
175										175
180										180
185										185

MLC650 S-3

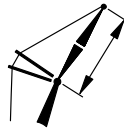
ASME B30.5



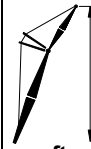
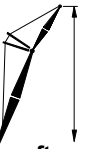
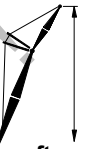
881,800 lb

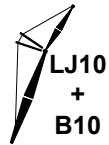


124.7 ft



124.7 ft

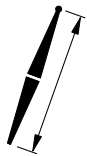
	75°			70°			65°			
										
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
60										60
65										65
70										70
75										75
80										80
85										85
90										90
95										95
100	63.6	240.0	282,300							100
105	60.9	237.1	267,300							105
110	58.2	234.0	253,800							110
115	55.4	230.4	241,600							115
120	52.5	226.5	230,500	58.4	230.6	229,200				120
125	49.4	222.1	220,400	55.6	227.1	219,200				125
130	46.2	217.3	211,200	52.7	223.2	209,900				130
135	42.8	211.8	202,700	49.6	218.9	201,500				135
140	39.1	205.6	194,800	46.4	214.1	193,700	52.6	218.8	186,400	140
145	35.1	198.5	187,600	43.0	208.6	186,400	49.6	214.4	177,800	145
150	30.7	190.1	180,900	39.4	202.5	179,200	46.4	209.6	169,900	150
155	25.4	179.9	174,600	35.4	195.5	171,300	43.0	204.2	162,400	155
160	18.7	166.2	168,900	31.0	187.2	163,900	39.4	198.0	155,400	160
165	5.7	138.3	163,400	25.8	177.1	156,800	35.4	191.0	148,700	165
170				19.3	163.7	150,000	31.0	182.7	142,400	170
175				7.6	138.9	143,000	25.8	172.6	136,400	175
180							19.2	159.2	130,600	180
185							7.6	134.4	124,500	185



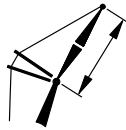
881,800 lb



360°



124.7 ft

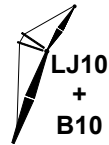


134.5 ft

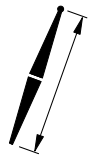
	85°			83°			80°			
										
	ft	ft	ft	lb	ft	lb	ft	lb	ft	ft
60	74.2	262.9	479,300							60
65	72.0	261.2	448,700							65
70	69.7	259.3	421,700	71.7	260.4	420,600				70
75	67.4	257.1	396,800	69.4	258.4	395,800				75
80	65.0	254.7	368,200	67.0	256.3	367,300				80
85	62.6	252.0	343,600	64.7	253.8	342,700	67.7	255.8	341,400	85
90	60.1	249.1	321,900	62.3	251.1	321,100	65.4	253.4	319,900	90
95	57.6	245.8	302,900	59.8	248.1	302,100	63.0	250.8	301,000	95
100	54.9	242.3	286,000	57.2	244.8	285,200	60.5	247.9	284,100	100
105	52.2	238.3	270,800	54.6	241.2	270,100	58.0	244.7	269,100	105
110	49.4	233.9	257,200	51.9	237.2	256,500	55.4	241.1	255,500	110
115	46.5	229.1	244,900	49.0	232.8	244,200	52.7	237.3	243,300	115
120	43.3	223.8	233,700	46.0	227.9	233,100	49.9	233.0	232,100	120
125	40.0	217.8	223,500	42.9	222.4	222,900	46.9	228.2	222,000	125
130	36.4	211.0	214,200	39.5	216.3	213,500	43.8	223.0	212,700	130
135	32.4	203.1	205,600	35.9	209.4	205,000	40.5	217.1	204,100	135
140	28.0	193.8	197,700	31.9	201.4	197,100	37.0	210.4	196,200	140
145	22.6	182.3	190,400	27.3	191.9	189,800	33.1	202.7	189,000	145
150	15.3	166.0	183,700	21.8	179.9	183,100	28.7	193.7	182,200	150
155				14.1	162.5	176,900	23.5	182.6	176,000	155
160							16.7	167.5	170,200	160
165										165
170										170
175										175
180										180
185										185
190										190
195										195

MLC650 S-3

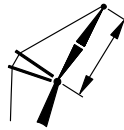
ASME B30.5



881,800 lb

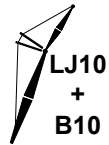


124.7 ft



134.5 ft

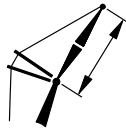
	75°			70°			65°			
ft		ft	lb		ft	lb		ft	lb	ft
60										60
65										65
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105	63.3	248.5	267,500							105
110	60.8	245.6	254,000							110
115	58.3	242.4	241,800							115
120	55.7	239.0	230,700							120
125	53.0	235.1	220,600	58.5	239.1	219,300				125
130	50.2	230.9	211,300	55.9	235.6	210,100				130
135	47.3	226.2	202,800	53.2	231.8	201,600				135
140	44.2	221.0	195,000	50.4	227.6	193,800				140
145	41.0	215.2	187,700	47.5	223.0	185,000	53.2	227.4	175,000	145
150	37.4	208.6	181,000	44.4	217.8	176,700	50.4	223.2	167,100	150
155	33.6	201.1	174,700	41.2	212.0	168,900	47.5	218.5	159,700	155
160	29.3	192.3	168,900	37.7	205.5	161,600	44.4	213.3	152,800	160
165	24.2	181.5	162,700	33.9	198.1	154,700	41.2	207.6	146,200	165
170	17.7	167.0	155,600	29.6	189.4	148,200	37.7	201.1	140,000	170
175	4.0	135.3	148,200	24.6	178.7	141,900	33.9	193.6	134,200	175
180				18.2	164.6	135,900	29.6	184.9	128,600	180
185				6.5	137.5	129,500	24.6	174.3	123,200	185
190							18.2	160.2	117,900	190
195							6.4	132.9	112,400	195



881,800 lb



124.7 ft



144.4 ft

	85°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
65	73.2	271.6	445,100							65
70	71.1	269.9	418,600	73.0	270.8	417,600				70
75	69.0	267.9	395,000	70.8	269.0	394,000				75
80	66.8	265.7	368,000	68.7	267.0	367,100				80
85	64.6	263.2	343,400	66.5	264.8	342,500	69.3	266.5	341,200	85
90	62.4	260.5	321,800	64.3	262.3	321,000	67.2	264.3	319,800	90
95	60.1	257.6	302,800	62.1	259.6	302,000	65.0	261.9	300,900	95
100	57.7	254.3	285,800	59.7	256.6	285,100	62.7	259.3	284,000	100
105	55.3	250.8	270,700	57.4	253.3	270,000	60.4	256.4	269,000	105
110	52.8	246.9	257,100	54.9	249.7	256,400	58.1	253.2	255,500	110
115	50.2	242.7	244,800	52.4	245.8	244,100	55.7	249.7	243,200	115
120	47.4	238.0	233,600	49.8	241.5	233,000	53.2	245.9	232,100	120
125	44.6	232.9	223,400	47.1	236.8	222,800	50.6	241.7	221,900	125
130	41.6	227.2	214,100	44.2	231.6	213,500	47.9	237.1	212,600	130
135	38.4	220.9	205,500	41.2	225.8	204,900	45.1	232.0	204,100	135
140	34.9	213.7	197,500	38.0	219.4	197,000	42.1	226.5	196,200	140
145	31.1	205.5	190,200	34.4	212.1	189,700	38.9	220.2	188,900	145
150	26.8	195.7	183,400	30.6	203.7	182,900	35.5	213.2	182,100	150
155	21.6	183.6	177,100	26.1	193.7	176,600	31.7	205.2	175,800	155
160	14.5	166.4	171,400	20.8	181.1	170,700	27.5	195.7	169,900	160
165				13.2	162.7	165,400	22.5	184.0	164,500	165
170							15.8	168.1	159,400	170
175										175
180										180
185										185
190										190
195										195
200										200
205										205

MLC650 S-3

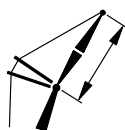
ASME B30.5



881,800 lb

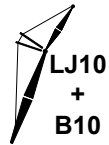


124.7 ft



144.4 ft

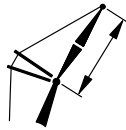
	75°			70°			65°			
ft			lb			lb			lb	ft
65										65
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110	63.0	257.0	253,900							110
115	60.7	254.1	241,700							115
120	58.4	250.9	230,700							120
125	56.0	247.5	220,600							125
130	53.5	243.7	211,300	58.5	247.6	210,100				130
135	50.9	239.6	202,800	56.1	244.2	201,500				135
140	48.2	235.0	194,900	53.6	240.4	192,100				140
145	45.4	230.0	187,600	51.1	236.3	183,200				145
150	42.5	224.5	180,900	48.4	231.8	175,000	53.6	236.0	165,200	150
155	39.3	218.4	174,600	45.6	226.8	167,300	51.1	231.9	157,900	155
160	35.9	211.5	168,700	42.7	221.4	160,000	48.4	227.4	151,000	160
165	32.2	203.6	161,600	39.5	215.3	153,200	45.6	222.4	144,500	165
170	28.0	194.3	154,800	36.2	208.4	146,800	42.7	216.9	138,400	170
175	23.1	183.0	148,300	32.5	200.6	140,700	39.5	210.8	132,600	175
180	16.8	167.8	142,000	28.3	191.4	134,800	36.2	203.9	127,100	180
185				23.5	180.3	129,300	32.5	196.1	121,900	185
190				17.3	165.4	123,800	28.3	187.0	116,800	190
195				5.2	135.5	118,000	23.5	175.8	112,000	195
200							17.3	161.0	107,300	200
205							5.1	130.9	102,200	205



881,800 lb



124.7 ft

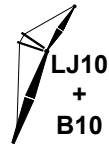


154.2 ft

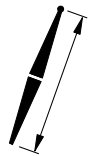
	85°			83°			80°			
ft			lb			lb			lb	ft
65	74.3	282.0	441,500							65
70	72.4	280.3	415,600							70
75	70.4	278.5	392,400	72.1	279.5	391,400				75
80	68.4	276.4	368,200	70.1	277.6	367,200				80
85	66.4	274.2	343,500	68.1	275.6	342,700				85
90	64.3	271.7	322,000	66.1	273.3	321,100	68.7	275.1	320,000	90
95	62.2	269.0	302,900	64.0	270.8	302,200	66.7	272.8	301,000	95
100	60.0	266.0	286,000	61.9	268.0	285,300	64.6	270.4	284,200	100
105	57.8	262.8	270,900	59.7	265.1	270,200	62.5	267.7	269,200	105
110	55.5	259.3	257,300	57.5	261.8	256,600	60.4	264.8	255,600	110
115	53.2	255.5	245,000	55.2	258.3	244,300	58.2	261.7	243,400	115
120	50.8	251.4	233,800	52.9	254.4	233,100	55.9	258.2	232,300	120
125	48.3	246.9	223,500	50.5	250.2	222,900	53.6	254.5	222,100	125
130	45.7	241.9	214,200	48.0	245.7	213,600	51.2	250.4	212,800	130
135	42.9	236.5	205,600	45.3	240.7	205,000	48.7	245.9	204,200	135
140	40.0	230.5	197,600	42.6	235.2	197,100	46.1	241.0	196,300	140
145	37.0	223.8	190,300	39.7	229.1	189,800	43.4	235.7	189,000	145
150	33.6	216.3	183,500	36.5	222.3	182,900	40.5	229.8	182,200	150
155	29.9	207.7	177,100	33.1	214.7	176,600	37.5	223.3	175,900	155
160	25.7	197.5	171,300	29.4	205.9	170,700	34.2	215.9	170,000	160
165	20.6	184.8	165,800	25.1	195.4	165,200	30.5	207.5	164,500	165
170	13.6	166.7	160,700	19.8	182.3	160,100	26.4	197.6	159,400	170
175				12.4	162.9	155,400	21.5	185.4	153,200	175
180							15.0	168.6	146,900	180
185										185
190										190
195										195
200										200
205										205
210										210
215										215

MLC650 S-3

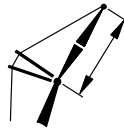
ASME B30.5



881,800 lb

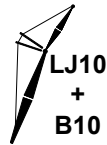


124.7 ft



154.2 ft

	75°			70°			65°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
65										65
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110	64.9	268.1	254,100							110
115	62.8	265.4	241,900							115
120	60.6	262.6	230,800							120
125	58.4	259.4	220,700							125
130	56.2	256.0	211,500							130
135	53.9	252.3	202,900	58.6	256.1	198,800				135
140	51.5	248.2	195,100	56.3	252.7	189,300				140
145	49.0	243.8	187,800	54.0	249.0	180,500				145
150	46.4	239.0	181,000	51.6	245.0	172,400				150
155	43.7	233.7	174,000	49.2	240.6	164,700	54.0	244.5	155,000	155
160	40.9	227.9	166,500	46.6	235.8	157,500	51.6	240.5	148,200	160
165	37.8	221.4	159,400	43.9	230.6	150,700	49.2	236.1	141,800	165
170	34.6	214.2	152,700	41.1	224.8	144,400	46.6	231.4	135,700	170
175	31.0	205.9	146,300	38.1	218.4	138,300	43.9	226.1	130,000	175
180	26.9	196.2	140,300	34.8	211.2	132,600	41.1	220.3	124,500	180
185	22.1	184.4	134,500	31.2	202.9	127,200	38.0	213.9	119,400	185
190	15.9	168.4	128,800	27.2	193.4	122,000	34.8	206.7	114,500	190
195				22.5	181.7	116,900	31.2	198.5	109,800	195
200				16.4	166.2	112,000	27.2	188.9	105,300	200
205				3.7	132.4	106,700	22.5	177.2	100,900	205
210							16.4	161.7	96,600	210
215							3.6	127.6	91,900	215



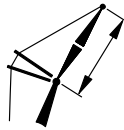
881,800 lb



360°



124.7 ft

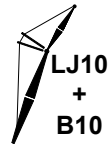


164.0 ft

	85°			83°			80°			
ft			lb			lb			lb	ft
70	73.5	290.7	412,300							70
75	71.6	289.0	389,500							75
80	69.8	287.1	367,800	71.4	288.2	366,800				80
85	67.9	285.0	343,200	69.5	286.2	342,300				85
90	66.0	282.7	321,700	67.6	284.1	320,900				90
95	64.0	280.2	302,700	65.7	281.8	301,900	68.2	283.6	300,800	95
100	62.0	277.5	285,800	63.7	279.3	285,100	66.3	281.4	284,000	100
105	60.0	274.5	270,700	61.7	276.5	270,000	64.3	278.9	269,000	105
110	57.9	271.3	257,100	59.7	273.5	256,400	62.3	276.2	255,500	110
115	55.8	267.9	244,800	57.6	270.3	244,100	60.3	273.3	243,200	115
120	53.6	264.1	233,600	55.5	266.8	233,000	58.2	270.1	232,100	120
125	51.4	260.1	223,400	53.3	263.0	222,800	56.1	266.7	221,900	125
130	49.0	255.7	214,000	51.1	258.9	213,500	54.0	263.0	212,600	130
135	46.6	250.9	205,400	48.7	254.5	204,900	51.7	259.0	204,100	135
140	44.1	245.7	197,500	46.3	249.6	196,900	49.4	254.7	196,200	140
145	41.5	240.0	190,100	43.8	244.4	189,600	47.0	250.0	188,900	145
150	38.6	233.7	183,300	41.1	238.6	182,800	44.5	244.8	182,100	150
155	35.6	226.7	177,000	38.3	232.2	176,500	41.9	239.2	175,800	155
160	32.4	218.8	171,100	35.2	225.1	170,600	39.1	233.0	169,900	160
165	28.8	209.8	165,500	31.9	217.1	165,100	36.1	226.1	164,400	165
170	24.7	199.2	160,400	28.3	207.9	159,900	32.9	218.4	159,200	170
175	19.7	185.9	155,600	24.1	197.0	155,100	29.4	209.6	153,200	175
180	12.9	167.0	151,100	19.0	183.3	150,600	25.4	199.3	147,000	180
185				11.6	162.9	144,500	20.6	186.6	141,200	185
190							14.2	169.0	135,600	190
195										195
200										200
205										205
210										210
215										215
220										220

MLC650 S-3

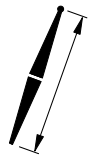
ASME B30.5



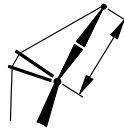
881,800 lb



360°

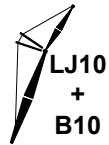


124.7 ft



164.0 ft

	75°			70°			65°			
ft		ft	lb		ft	lb		ft	lb	ft
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115	64.6	276.6	241,800							115
120	62.6	273.9	230,700							120
125	60.6	271.0	220,600							125
130	58.5	267.9	211,300							130
135	56.4	264.5	202,800							135
140	54.2	260.9	195,000	58.6	264.6	188,600				140
145	52.0	256.9	187,700	56.5	261.2	179,800				145
150	49.7	252.6	180,900	54.4	257.6	171,700				150
155	47.3	247.9	173,600	52.2	253.6	164,000				155
160	44.8	242.8	166,100	49.9	249.3	156,900	54.4	253.1	147,400	160
165	42.2	237.3	159,000	47.5	244.7	150,200	52.1	249.2	141,000	165
170	39.4	231.2	152,400	45.0	239.6	143,800	49.8	244.9	135,000	170
175	36.5	224.4	146,100	42.4	234.1	137,900	47.5	240.2	129,300	175
180	33.3	216.8	140,100	39.6	228.0	132,200	45.0	235.2	123,900	180
185	29.8	208.1	134,500	36.7	221.3	126,800	42.4	229.6	118,800	185
190	25.9	198.0	129,000	33.6	213.8	121,700	39.6	223.6	114,000	190
195	21.3	185.7	123,800	30.1	205.2	116,800	36.7	216.8	109,400	195
200	15.2	169.0	118,700	26.2	195.2	112,100	33.5	209.3	105,000	200
205				21.6	183.1	107,600	30.1	200.7	100,700	205
210				15.6	166.8	103,100	26.2	190.7	96,700	210
215							21.6	178.6	92,700	215
220							15.6	162.3	88,800	220



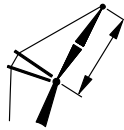
881,800 lb



360°



124.7 ft

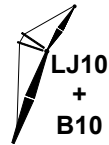


173.9 ft

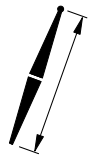
	85°			83°			80°			
ft			lb			lb			lb	ft
70	74.5	301.0	408,900							70
75	72.7	299.4	386,700							75
80	71.0	297.6	366,600	72.5	298.6	365,700				80
85	69.2	295.7	343,300	70.7	296.8	342,500				85
90	67.4	293.5	321,800	69.0	294.8	321,000				90
95	65.6	291.2	302,900	67.2	292.7	302,100	69.5	294.3	301,000	95
100	63.7	288.7	286,000	65.4	290.3	285,300	67.7	292.2	284,200	100
105	61.9	285.9	270,900	63.5	287.8	270,200	65.9	289.9	269,200	105
110	60.0	283.0	257,300	61.6	285.0	256,600	64.0	287.4	255,700	110
115	58.0	279.8	245,000	59.7	282.0	244,300	62.2	284.7	243,400	115
120	56.0	276.4	233,800	57.7	278.8	233,200	60.3	281.8	232,300	120
125	54.0	272.7	223,600	55.7	275.3	223,000	58.3	278.6	222,100	125
130	51.9	268.7	214,200	53.7	271.6	213,600	56.3	275.2	212,800	130
135	49.7	264.4	205,600	51.6	267.6	205,000	54.3	271.6	204,200	135
140	47.4	259.8	197,600	49.4	263.2	197,100	52.2	267.7	196,300	140
145	45.1	254.7	190,300	47.1	258.5	189,800	50.0	263.4	189,000	145
150	42.7	249.2	183,400	44.8	253.4	182,900	47.8	258.8	182,200	150
155	40.1	243.3	177,100	42.3	247.9	176,600	45.5	253.8	175,900	155
160	37.4	236.7	171,200	39.7	241.9	170,700	43.1	248.4	170,000	160
165	34.5	229.4	165,600	37.0	235.2	165,100	40.5	242.5	164,400	165
170	31.3	221.2	160,400	34.0	227.8	160,000	37.8	236.1	157,600	170
175	27.8	211.8	155,600	30.9	219.5	155,100	34.9	228.9	151,300	175
180	23.8	200.8	151,000	27.3	209.9	149,000	31.8	220.9	145,200	180
185	19.0	187.0	145,300	23.2	198.6	143,100	28.4	211.7	139,500	185
190	12.2	167.1	139,600	18.2	184.3	137,500	24.5	201.0	134,000	190
195				11.0	162.8	131,900	19.8	187.7	128,800	195
200							13.5	169.3	123,500	200
205										205
210										210
215										215
220										220
225										225
230										230

MLC650 S-3

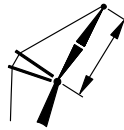
ASME B30.5



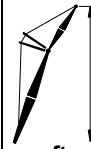
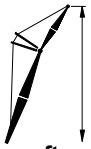
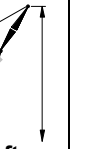
881,800 lb

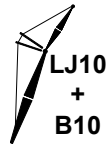


124.7 ft



173.9 ft

	75°			70°			65°			
										
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115										115
120	64.3	285.1	230,900							120
125	62.4	282.4	220,800							125
130	60.5	279.5	211,500							130
135	58.6	276.4	203,000							135
140	56.6	273.0	195,100							140
145	54.5	269.4	187,600	58.7	273.1	177,100				145
150	52.5	265.5	179,100	56.7	269.7	169,000				150
155	50.3	261.3	171,100	54.7	266.1	161,400				155
160	48.1	256.8	163,700	52.6	262.2	154,300				160
165	45.8	251.8	156,600	50.4	258.0	147,600	54.7	261.7	138,200	165
170	43.3	246.5	150,000	48.2	253.5	141,300	52.6	257.8	132,200	170
175	40.8	240.7	143,800	45.9	248.6	135,300	50.4	253.6	126,600	175
180	38.1	234.3	137,900	43.5	243.3	129,700	48.2	249.1	121,200	180
185	35.3	227.2	132,300	41.0	237.5	124,400	45.9	244.2	116,200	185
190	32.2	219.3	127,000	38.3	231.2	119,300	43.5	238.9	111,400	190
195	28.8	210.3	121,900	35.5	224.1	114,500	41.0	233.1	106,800	195
200	25.0	199.8	117,000	32.4	216.3	109,900	38.3	226.7	102,500	200
205	20.4	186.9	112,300	29.1	207.4	105,500	35.5	219.7	98,300	205
210	14.4	169.4	107,700	25.3	197.0	101,300	32.4	211.8	94,300	210
215				20.8	184.3	97,100	29.0	202.9	90,500	215
220				14.9	167.3	93,100	25.2	192.5	86,800	220
225							20.8	179.8	83,200	225
230							14.9	162.8	79,600	230



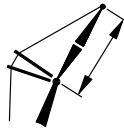
881,800 lb



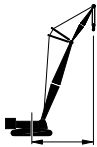
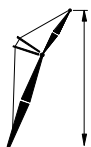
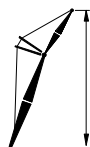
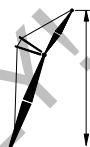
360°



124.7 ft

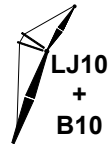


193.6 ft

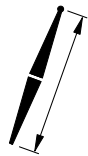
	 85°			 83°			 80°			
 ft		 ft	 lb		 ft	 lb		 ft	 lb	 ft
75	74.5	320.1	379,700							75
80	73.0	318.5	360,300							80
85	71.4	316.8	342,000	72.8	317.7	341,100				85
90	69.8	314.9	320,600	71.2	315.9	319,800				90
95	68.2	312.8	301,700	69.6	314.0	300,900				95
100	66.6	310.6	284,800	68.0	312.0	284,100				100
105	65.0	308.2	269,700	66.4	309.7	269,000	68.5	311.5	268,000	105
110	63.3	305.7	256,200	64.8	307.3	255,500	66.9	309.3	254,500	110
115	61.6	302.9	243,900	63.1	304.7	243,200	65.2	306.9	242,300	115
120	59.9	299.9	232,700	61.4	301.9	232,100	63.6	304.4	231,200	120
125	58.2	296.8	222,500	59.7	299.0	221,900	61.9	301.6	221,100	125
130	56.4	293.4	213,100	57.9	295.8	212,600	60.2	298.7	211,700	130
135	54.5	289.8	204,500	56.1	292.4	204,000	58.4	295.6	203,200	135
140	52.7	285.9	196,600	54.3	288.7	196,000	56.7	292.3	195,300	140
145	50.8	281.8	189,200	52.4	284.8	188,700	54.8	288.7	188,000	145
150	48.8	277.4	182,400	50.5	280.7	181,900	53.0	284.9	181,200	150
155	46.7	272.6	176,000	48.5	276.2	175,500	51.1	280.8	174,800	155
160	44.6	267.5	170,100	46.5	271.4	169,600	49.1	276.4	168,900	160
165	42.4	262.0	164,500	44.3	266.2	164,100	47.1	271.7	161,800	165
170	40.1	256.0	159,300	42.1	260.7	158,900	45.0	266.6	155,100	170
175	37.7	249.5	154,400	39.8	254.6	152,800	42.8	261.2	148,800	175
180	35.1	242.4	149,200	37.4	248.0	146,700	40.5	255.3	142,800	180
185	32.4	234.5	143,300	34.8	240.8	140,900	38.1	248.9	137,100	185
190	29.4	225.7	137,800	32.0	232.8	135,500	35.5	241.9	131,800	190
195	26.0	215.6	132,600	28.9	223.9	130,300	32.8	234.1	126,700	195
200	22.2	203.7	127,600	25.5	213.6	125,300	29.9	225.5	121,700	200
205	17.6	188.8	122,700	21.6	201.4	120,600	26.6	215.6	117,000	205
210	10.9	167.1	117,200	16.8	185.9	116,000	22.9	204.1	112,400	210
215				9.7	162.3	111,300	18.4	189.8	107,900	215
220							12.3	169.7	103,500	220
225										225
230										230
235										235
240										240
245										245
250										250

MLC650 S-3

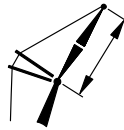
ASME B30.5



881,800 lb

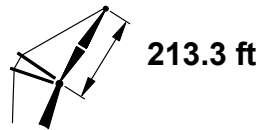
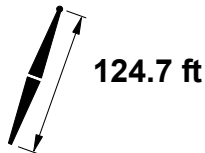
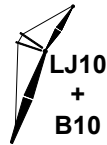


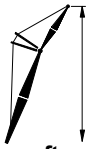
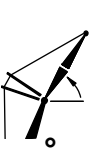
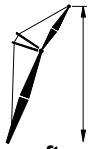
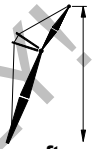
124.7 ft



193.6 ft

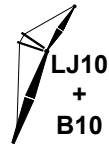
	75°			70°			65°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115										115
120										120
125										125
130	63.8	302.0	210,400							130
135	62.1	299.3	201,900							135
140	60.4	296.5	193,300							140
145	58.7	293.4	184,300							145
150	56.9	290.0	175,800							150
155	55.1	286.5	167,900	58.8	290.0	157,800				155
160	53.2	282.7	160,500	57.0	286.7	150,800				160
165	51.3	278.6	153,500	55.2	283.2	144,100				165
170	49.3	274.3	147,000	53.3	279.4	137,900				170
175	47.3	269.6	140,800	51.4	275.4	132,000				175
180	45.2	264.6	135,000	49.5	271.0	126,400	53.3	275.0	117,700	180
185	43.0	259.2	129,500	47.5	266.4	121,200	51.4	270.9	112,700	185
190	40.8	253.4	124,200	45.4	261.4	116,200	49.5	266.6	107,900	190
195	38.4	247.1	119,300	43.2	256.1	111,500	47.5	262.0	103,400	195
200	35.9	240.1	114,500	40.9	250.3	107,000	45.4	257.0	99,200	200
205	33.2	232.5	110,000	38.5	243.9	102,600	43.2	251.6	95,100	205
210	30.2	223.9	105,600	36.0	237.1	98,500	40.9	245.8	91,200	210
215	27.0	214.3	101,500	33.3	229.5	94,600	38.5	239.5	87,500	215
220	23.3	203.0	97,400	30.4	221.0	90,800	36.0	232.6	83,900	220
225	19.0	189.1	93,500	27.2	211.4	87,200	33.3	225.0	80,400	225
230	13.2	170.1	89,600	23.6	200.2	83,600	30.4	216.5	77,100	230
235				19.3	186.6	80,200	27.2	206.9	74,000	235
240				13.6	168.1	76,800	23.6	195.8	70,800	240
245							19.3	182.1	67,800	245
250							13.6	163.6	64,700	250



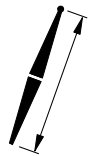
	85°			83°			80°			
ft			lb			lb			lb	ft
80	74.6	339.1	351,900							80
85	73.2	337.6	339,200							85
90	71.8	335.9	321,600							90
95	70.4	334.0	302,800	71.6	335.1	302,000				95
100	68.9	332.1	285,900	70.2	333.2	285,200				100
105	67.4	329.9	270,900	68.7	331.2	270,200				105
110	66.0	327.7	257,300	67.3	329.1	256,700	69.1	330.7	255,700	110
115	64.5	325.2	245,000	65.8	326.8	244,400	67.7	328.6	243,500	115
120	63.0	322.6	233,900	64.3	324.3	233,300	66.2	326.3	232,400	120
125	61.4	319.9	223,700	62.8	321.7	223,100	64.7	323.9	222,200	125
130	59.9	316.9	214,300	61.2	318.9	213,800	63.2	321.3	212,900	130
135	58.3	313.8	205,700	59.7	315.9	205,200	61.7	318.6	204,400	135
140	56.7	310.4	197,700	58.1	312.8	197,200	60.1	315.7	196,500	140
145	55.0	306.9	190,400	56.5	309.4	189,900	58.5	312.6	189,100	145
150	53.3	303.1	183,500	54.8	305.8	183,000	56.9	309.3	181,600	150
155	51.6	299.1	177,200	53.1	302.0	176,700	55.3	305.8	173,500	155
160	49.9	294.8	171,200	51.4	298.0	170,300	53.6	302.0	166,000	160
165	48.0	290.3	165,600	49.6	293.7	163,200	51.9	298.1	158,900	165
170	46.2	285.4	159,000	47.8	289.1	156,400	50.1	293.8	152,200	170
175	44.2	280.3	152,600	45.9	284.2	150,000	48.3	289.3	145,900	175
180	42.2	274.7	146,500	44.0	279.0	144,000	46.5	284.5	140,000	180
185	40.1	268.8	140,800	42.0	273.4	138,300	44.5	279.4	134,400	185
190	38.0	262.3	135,300	39.9	267.4	132,900	42.6	273.9	129,100	190
195	35.6	255.3	130,100	37.7	260.9	127,800	40.5	268.0	124,000	195
200	33.2	247.7	125,200	35.3	253.8	122,900	38.3	261.7	119,200	200
205	30.6	239.3	120,500	32.9	246.1	118,200	36.0	254.8	114,500	205
210	27.7	229.9	116,000	30.2	237.5	113,800	33.6	247.3	110,000	210
215	24.5	219.1	111,700	27.3	227.9	109,500	31.0	239.0	105,800	215
220	20.8	206.4	107,600	24.0	217.0	105,400	28.2	229.7	101,600	220
225	16.3	190.4	103,500	20.3	203.9	101,400	25.0	219.2	97,700	225
230	9.8	166.6	96,400	15.6	187.3	97,300	21.5	206.9	93,800	230
235				8.5	161.3	93,200	17.1	191.6	90,100	235
240							11.1	169.8	86,300	240
245										245
250										250
255										255
260										260
265										265
270										270

MLC650 S-3

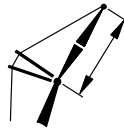
ASME B30.5



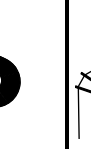
881,800 lb

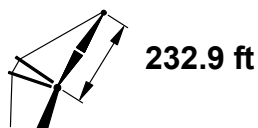
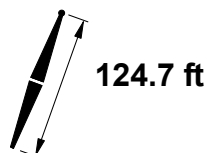


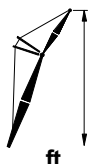
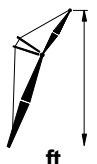
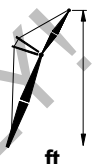
124.7 ft



213.3 ft

	75°			70°			65°			
										
	ft	ft	lb	ft	lb	ft	lb	ft	lb	ft
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115										115
120										120
125										125
130										130
135	64.9	321.6	199,700							135
140	63.4	319.0	189,900							140
145	61.9	316.3	180,900							145
150	60.3	313.4	172,500							150
155	58.7	310.3	164,600							155
160	57.1	307.0	157,200							160
165	55.5	303.6	150,300	58.8	307.0	140,600				165
170	53.8	299.8	143,800	57.2	303.7	134,400				170
175	52.1	295.9	137,700	55.6	300.2	128,600				175
180	50.4	291.7	131,900	53.9	296.6	123,100				180
185	48.6	287.3	126,400	52.2	292.6	117,800				185
190	46.7	282.5	121,200	50.5	288.5	112,900	53.9	292.1	104,400	190
195	44.8	277.4	116,300	48.7	284.0	108,200	52.2	288.2	99,900	195
200	42.8	272.0	111,600	46.8	279.3	103,700	50.5	284.0	95,700	200
205	40.7	266.1	107,100	44.9	274.2	99,500	48.7	279.6	91,600	205
210	38.6	259.8	102,900	42.9	268.8	95,400	46.8	274.8	87,800	210
215	36.3	253.0	98,800	40.9	263.0	91,600	44.9	269.8	84,100	215
220	33.9	245.6	94,900	38.7	256.7	87,900	42.9	264.4	80,600	220
225	31.3	237.4	91,200	36.5	250.0	84,300	40.9	258.5	77,300	225
230	28.5	228.3	87,500	34.1	242.6	80,900	38.7	252.3	74,000	230
235	25.4	217.9	84,100	31.5	234.4	77,600	36.5	245.5	70,900	235
240	21.9	205.8	80,700	28.7	225.4	74,400	34.1	238.1	67,900	240
245	17.7	191.0	77,400	25.7	215.1	71,400	31.5	230.0	65,100	245
250	12.0	170.5	74,000	22.2	203.2	68,400	28.7	220.9	62,300	250
255				18.0	188.6	65,500	25.6	210.6	59,600	255
260				12.5	168.6	62,500	22.2	198.7	56,900	260
265							18.0	184.1	54,300	265
270							12.5	164.1	51,700	270



	 85°			 83°			 80°			
 ft	 °	 ft	 lb	 °	 ft	 lb	 °	 ft	 lb	 ft
85	74.7	358.2	296,500							85
90	73.4	356.6	295,400							90
95	72.1	355.0	294,300							95
100	70.8	353.2	285,700	71.9	354.2	285,000				100
105	69.5	351.3	270,700	70.6	352.4	270,000				105
110	68.1	349.2	257,200	69.3	350.4	256,500				110
115	66.8	347.0	244,900	68.0	348.4	244,300	69.7	349.9	243,400	115
120	65.4	344.7	233,800	66.6	346.2	233,200	68.3	347.8	232,300	120
125	64.1	342.2	223,600	65.3	343.8	223,000	67.0	345.7	222,200	125
130	62.7	339.6	214,200	63.9	341.3	213,700	65.6	343.4	212,900	130
135	61.3	336.8	205,600	62.5	338.7	205,100	64.3	340.9	204,300	135
140	59.8	333.9	197,700	61.1	335.9	197,200	62.9	338.3	196,400	140
145	58.4	330.7	190,300	59.6	332.9	189,800	61.5	335.6	187,900	145
150	56.9	327.4	183,500	58.2	329.7	183,000	60.1	332.6	179,300	150
155	55.4	323.9	177,100	56.7	326.4	175,900	58.6	329.5	171,300	155
160	53.9	320.2	171,000	55.2	322.9	168,200	57.1	326.3	163,800	160
165	52.3	316.3	163,800	53.7	319.2	161,000	55.7	322.8	156,700	165
170	50.7	312.2	157,000	52.1	315.2	154,300	54.1	319.1	150,100	170
175	49.1	307.8	150,600	50.5	311.1	148,000	52.6	315.3	143,800	175
180	47.4	303.2	144,600	48.9	306.7	141,900	51.0	311.2	137,900	180
185	45.7	298.3	138,800	47.2	302.0	136,300	49.4	306.8	132,300	185
190	43.9	293.0	133,400	45.5	297.0	130,900	47.7	302.2	127,000	190
195	42.1	287.5	128,200	43.7	291.8	125,800	46.0	297.4	122,000	195
200	40.2	281.5	123,400	41.8	286.1	121,000	44.2	292.2	117,300	200
205	38.2	275.1	118,700	39.9	280.1	116,400	42.4	286.7	112,700	205
210	36.1	268.3	114,200	37.9	273.7	111,900	40.5	280.8	108,400	210
215	33.9	260.8	110,100	35.8	266.7	107,800	38.5	274.5	104,200	215
220	31.5	252.7	106,000	33.6	259.2	103,700	36.4	267.7	100,100	220
225	29.0	243.7	102,100	31.2	251.0	99,900	34.2	260.3	96,200	225
230	26.2	233.7	98,400	28.6	241.9	96,300	31.9	252.3	92,500	230
235	23.2	222.3	94,700	25.9	231.7	92,700	29.4	243.5	88,900	235
240	19.6	208.8	91,300	22.7	220.0	89,100	26.7	233.7	85,500	240
245	15.3	191.7	87,800	19.1	206.2	85,600	23.7	222.5	82,100	245
250	8.8	165.8	79,900	14.6	188.4	82,200	20.2	209.4	78,900	250
255				7.4	159.8	78,600	16.0	193.1	75,700	255
260							10.1	169.5	72,400	260
265										265
270										270
275										275
280										280
285										285
290										290

MLC650 S-3

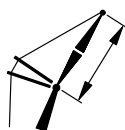
ASME B30.5



881,800 lb

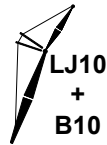


124.7 ft



232.9 ft

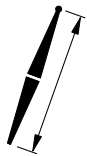
	75°			70°			65°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
85										85
90										90
95										95
100										100
105										105
110										110
115										115
120										120
125										125
130										130
135										135
140										140
145	64.4	338.6	178,500							145
150	63.1	336.0	170,200							150
155	61.7	333.3	162,300							155
160	60.2	330.4	155,000							160
165	58.8	327.3	148,100							165
170	57.3	324.0	141,600							170
175	55.8	320.6	135,500	58.9	323.9	126,100				175
180	54.3	317.0	129,800	57.4	320.7	120,700				180
185	52.8	313.1	124,300	55.9	317.3	115,500				185
190	51.2	309.0	119,100	54.4	313.7	110,600				190
195	49.6	304.7	114,200	52.9	309.8	105,900				195
200	47.9	300.2	109,600	51.3	305.8	101,500	54.4	309.2	93,200	200
205	46.2	295.3	105,200	49.7	301.5	97,300	52.9	305.4	89,200	205
210	44.4	290.2	100,900	48.0	296.9	93,300	51.3	301.3	85,400	210
215	42.6	284.7	96,900	46.3	292.1	89,400	49.7	297.0	81,800	215
220	40.7	278.9	93,100	44.5	287.0	85,800	48.0	292.5	78,300	220
225	38.7	272.6	89,400	42.7	281.6	82,300	46.3	287.7	75,000	225
230	36.7	265.9	85,800	40.8	275.7	78,900	44.5	282.6	71,800	230
235	34.5	258.6	82,400	38.9	269.5	75,700	42.7	277.1	68,800	235
240	32.2	250.7	79,200	36.8	262.8	72,600	40.8	271.3	65,800	240
245	29.7	242.0	76,000	34.6	255.6	69,600	38.9	265.1	63,000	245
250	27.0	232.3	73,000	32.4	247.7	66,700	36.8	258.4	60,300	250
255	24.1	221.3	70,000	29.9	239.0	63,900	34.6	251.1	57,700	255
260	20.7	208.5	67,100	27.2	229.4	61,300	32.3	243.2	55,100	260
265	16.6	192.7	64,300	24.3	218.5	58,600	29.9	234.6	52,700	265
270	11.0	170.5	61,400	20.9	205.9	56,100	27.2	225.0	50,300	270
275				16.9	190.3	53,500	24.3	214.1	48,000	275
280				11.5	168.8	51,000	20.9	201.4	45,700	280
285							16.9	185.8	43,400	285
290							11.5	164.3	41,100	290



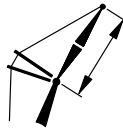
881,800 lb



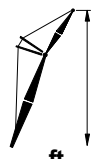
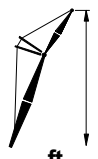
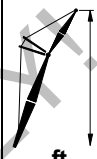
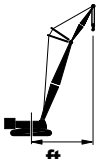
360°



124.7 ft



252.6 ft

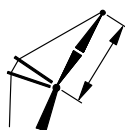
	 85°			 83°			 80°			
 ft		 ft	 lb		 ft	 lb		 ft	 lb	 ft
90	74.7	377.2	249,800							90
95	73.5	375.7	248,600							95
100	72.3	374.1	247,600							100
105	71.1	372.3	246,300	72.2	373.3	243,800				105
110	69.9	370.4	245,000	71.0	371.5	243,100				110
115	68.7	368.5	243,700	69.8	369.6	242,200				115
120	67.5	366.3	233,800	68.5	367.6	233,200				120
125	66.2	364.1	223,600	67.3	365.5	223,000	68.9	367.1	222,200	125
130	65.0	361.7	214,300	66.1	363.2	213,700	67.7	365.0	212,900	130
135	63.7	359.2	205,700	64.8	360.8	205,100	66.4	362.8	203,900	135
140	62.4	356.6	197,700	63.5	358.3	197,200	65.2	360.4	194,000	140
145	61.1	353.8	190,400	62.3	355.6	189,600	63.9	357.9	184,700	145
150	59.8	350.8	183,500	60.9	352.8	180,900	62.6	355.3	176,100	150
155	58.5	347.7	175,600	59.6	349.8	172,800	61.3	352.5	168,100	155
160	57.1	344.4	168,000	58.3	346.7	165,200	60.0	349.6	160,600	160
165	55.7	341.0	160,800	56.9	343.4	158,000	58.7	346.5	153,600	165
170	54.3	337.3	154,000	55.6	339.9	151,300	57.3	343.3	147,000	170
175	52.9	333.5	147,600	54.2	336.3	144,900	56.0	339.8	140,700	175
180	51.5	329.5	141,600	52.7	332.4	139,000	54.6	336.2	134,800	180
185	50.0	325.3	135,900	51.3	328.4	133,400	53.1	332.4	129,300	185
190	48.4	320.8	130,500	49.8	324.1	128,000	51.7	328.5	124,000	190
195	46.9	316.1	125,400	48.2	319.6	122,900	50.2	324.3	119,000	195
200	45.3	311.1	120,500	46.7	314.9	118,100	48.7	319.8	114,300	200
205	43.6	305.8	115,900	45.1	309.8	113,500	47.1	315.1	109,600	205
210	41.9	300.2	111,500	43.4	304.5	109,100	45.5	310.2	105,200	210
215	40.2	294.3	107,300	41.7	298.9	105,000	43.9	305.0	101,100	215
220	38.3	287.9	103,300	39.9	292.9	101,000	42.2	299.4	97,000	220
225	36.4	281.1	99,400	38.1	286.5	97,200	40.5	293.5	93,200	225
230	34.4	273.8	95,700	36.2	279.6	93,500	38.6	287.3	89,500	230
235	32.3	265.9	92,200	34.2	272.3	89,900	36.7	280.5	86,000	235
240	30.1	257.3	88,800	32.0	264.3	86,500	34.8	273.3	82,600	240
245	27.6	247.9	85,500	29.7	255.6	83,100	32.7	265.5	79,400	245
250	25.0	237.3	82,200	27.3	246.0	79,900	30.4	257.1	76,200	250
255	22.0	225.2	79,000	24.6	235.2	76,700	28.0	247.7	73,200	255
260	18.6	210.9	75,900	21.6	222.9	73,700	25.4	237.4	70,200	260
265	14.3	192.8	72,800	18.1	208.2	70,700	22.5	225.5	67,400	265
270	7.8	164.5	64,300	13.6	189.3	67,700	19.2	211.7	64,600	270
275				6.4	157.7	64,600	15.1	194.3	61,800	275
280							9.2	168.9	59,000	280
285										285
290										290
300										300
310										310



881,800 lb

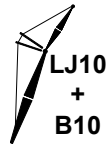


124.7 ft



252.6 ft

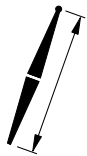
	75°			70°			65°			
										
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
90										90
95										95
100										100
105										105
110										110
115										115
120										120
125										125
130										130
135										135
140										140
145										145
150										150
155	64.1	355.6	158,600							155
160	62.8	353.0	151,300							160
165	61.5	350.2	144,400							165
170	60.2	347.3	138,000							170
175	58.8	344.2	131,900							175
180	57.5	341.0	126,200							180
185	56.1	337.6	120,800	58.9	340.9	111,700				185
190	54.7	334.0	115,600	57.6	337.7	106,800				190
195	53.3	330.3	110,800	56.2	334.3	102,200				195
200	51.9	326.3	106,100	54.8	330.7	97,800				200
205	50.4	322.1	101,700	53.4	327.0	93,600				205
210	48.9	317.7	97,600	52.0	323.0	89,600	54.8	326.3	81,600	210
215	47.3	313.1	93,600	50.5	318.9	85,800	53.4	322.5	78,000	215
220	45.7	308.2	89,700	49.0	314.5	82,200	52.0	318.6	74,500	220
225	44.1	303.0	86,100	47.4	309.9	78,700	50.5	314.4	71,200	225
230	42.4	297.5	82,600	45.8	305.0	75,400	49.0	310.0	68,100	230
235	40.7	291.6	79,200	44.2	299.8	72,200	47.4	305.4	65,100	235
240	38.9	285.4	76,000	42.5	294.3	69,200	45.8	300.5	62,200	240
245	37.0	278.7	72,900	40.8	288.5	66,200	44.2	295.3	59,400	245
250	35.0	271.6	69,900	39.0	282.3	63,400	42.5	289.9	56,700	250
255	32.9	263.9	67,100	37.1	275.7	60,700	40.8	284.0	54,200	255
260	30.7	255.5	64,300	35.1	268.5	58,100	39.0	277.8	51,700	260
265	28.3	246.3	61,600	33.1	260.9	55,500	37.1	271.2	49,300	265
270	25.7	236.0	59,000	30.9	252.5	53,100	35.1	264.1	47,000	270
275	22.9	224.4	56,400	28.5	243.4	50,700	33.1	256.4	44,700	275
280	19.6	210.9	53,900	25.9	233.2	48,400	30.8	248.1	42,600	280
285	15.6	194.1	51,500	23.1	221.7	46,100	28.5	238.9	40,500	285
290	10.1	170.2	49,000	19.8	208.3	43,900	25.9	228.8	38,400	290
300				10.6	168.7	39,400	19.8	203.8	34,400	300
310							10.5	164.2	30,400	310



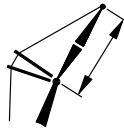
881,800 lb



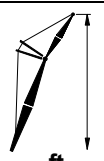
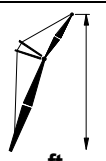
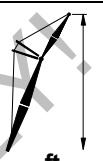
360°



124.7 ft



272.3 ft

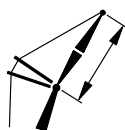
	 85°			 83°			 80°			
 ft		 ft	 lb		 ft	 lb		 ft	 lb	 ft
95	74.8	396.2	213,600							95
100	73.7	394.7	212,600							100
105	72.6	393.1	211,500							105
110	71.4	391.4	210,400	72.4	392.3	208,600				110
115	70.3	389.6	209,200	71.3	390.6	207,800				115
120	69.2	387.7	207,900	70.2	388.8	207,000				120
125	68.1	385.6	206,600	69.0	386.8	206,100				125
130	66.9	383.4	205,300	67.9	384.8	205,100	69.4	386.3	200,400	130
135	65.8	381.1	204,000	66.8	382.6	204,100	68.2	384.2	200,000	135
140	64.6	378.7	197,700	65.6	380.3	197,000	67.1	382.1	192,100	140
145	63.4	376.2	190,300	64.4	377.8	187,700	65.9	379.8	182,800	145
150	62.2	373.5	182,000	63.2	375.3	179,000	64.8	377.4	174,200	150
155	61.0	370.7	173,700	62.1	372.6	170,900	63.6	374.9	166,200	155
160	59.8	367.8	166,100	60.8	369.8	163,300	62.4	372.3	158,700	160
165	58.5	364.7	158,900	59.6	366.8	156,200	61.2	369.5	151,700	165
170	57.3	361.4	152,300	58.4	363.7	149,500	60.0	366.5	145,100	170
175	56.0	358.0	145,800	57.1	360.4	143,100	58.7	363.5	138,900	175
180	54.7	354.4	139,900	55.8	357.0	137,200	57.5	360.2	133,000	180
185	53.4	350.7	134,200	54.6	353.4	131,600	56.2	356.9	127,400	185
190	52.1	346.7	128,800	53.2	349.6	126,300	54.9	353.3	122,200	190
195	50.7	342.6	123,700	51.9	345.6	121,200	53.6	349.6	117,100	195
200	49.3	338.3	118,800	50.5	341.5	116,400	52.3	345.7	112,300	200
205	47.9	333.7	114,200	49.1	337.1	111,800	50.9	341.6	107,700	205
210	46.4	328.9	109,800	47.7	332.5	107,500	49.5	337.3	103,300	210
215	44.9	323.9	105,600	46.2	327.7	103,300	48.1	332.8	99,100	215
220	43.4	318.6	101,700	44.7	322.6	99,400	46.7	328.0	95,200	220
225	41.8	313.0	97,800	43.2	317.3	95,600	45.2	323.0	91,400	225
230	40.2	307.0	94,100	41.6	311.6	91,900	43.7	317.7	87,700	230
235	38.5	300.7	90,600	40.0	305.6	88,300	42.1	312.2	84,200	235
240	36.7	294.0	87,300	38.3	299.3	84,900	40.5	306.3	80,900	240
245	34.9	286.8	84,000	36.5	292.5	81,600	38.8	300.0	77,700	245
250	33.0	279.1	80,900	34.6	285.3	78,400	37.0	293.4	74,600	250
255	30.9	270.8	77,700	32.7	277.5	75,300	35.2	286.3	71,600	255
260	28.7	261.7	74,700	30.6	269.1	72,300	33.3	278.7	68,700	260
265	26.4	251.8	71,800	28.4	259.9	69,500	31.3	270.5	65,900	265
270	23.8	240.6	68,900	26.1	249.8	66,700	29.1	261.5	63,300	270
275	21.0	227.9	66,200	23.5	238.5	64,000	26.8	251.7	60,700	275
280	17.6	212.8	63,500	20.5	225.5	61,400	24.3	240.8	58,100	280
285	13.4	193.6	60,800	17.1	210.0	58,800	21.4	228.4	55,700	285
290	6.9	162.8	51,600	12.8	190.0	56,200	18.2	213.7	53,200	290
300							8.3	167.9	48,300	300
310										310
320										320
330										330



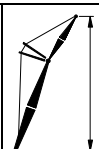
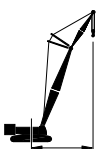
881,800 lb

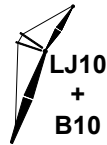


124.7 ft



272.3 ft

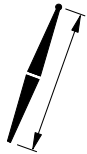
	75°			70°			65°			
										
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
95										95
100										100
105										105
110										110
115										115
120										120
125										125
130										130
135										135
140										140
145										145
150										150
155										155
160	64.9	375.1	148,900							160
165	63.7	372.6	142,000							165
170	62.5	369.9	135,600							170
175	61.3	367.2	129,600							175
180	60.1	364.3	123,900							180
185	58.9	361.2	118,500							185
190	57.6	358.0	113,400							190
195	56.4	354.6	108,500	59.0	357.9	99,700				195
200	55.1	351.1	103,900	57.7	354.7	95,400				200
205	53.8	347.4	99,600	56.5	351.3	91,200				205
210	52.4	343.5	95,400	55.2	347.8	87,300				210
215	51.1	339.5	91,400	53.9	344.1	83,500				215
220	49.7	335.2	87,600	52.5	340.2	79,900				220
225	48.3	330.7	84,000	51.2	336.2	76,500	53.9	339.7	68,800	225
230	46.8	326.0	80,600	49.8	331.9	73,200	52.5	335.8	65,700	230
235	45.4	321.0	77,200	48.4	327.4	70,000	51.2	331.7	62,700	235
240	43.8	315.8	74,000	46.9	322.7	67,000	49.8	327.5	59,800	240
245	42.3	310.2	71,000	45.5	317.8	64,100	48.4	323.0	57,100	245
250	40.7	304.4	68,000	43.9	312.6	61,300	46.9	318.3	54,500	250
255	39.0	298.2	65,200	42.4	307.1	58,600	45.5	313.3	51,900	255
260	37.2	291.6	62,500	40.8	301.2	56,000	43.9	308.1	49,500	260
265	35.4	284.5	59,800	39.1	295.1	53,500	42.4	302.6	47,100	265
270	33.5	277.0	57,300	37.4	288.5	51,100	40.8	296.8	44,800	270
275	31.5	268.9	54,800	35.5	281.5	48,800	39.1	290.6	42,600	275
280	29.4	260.0	52,500	33.6	274.0	46,600	37.3	284.0	40,500	280
285	27.1	250.3	50,100	31.6	265.9	44,400	35.5	277.0	38,500	285
290	24.6	239.6	47,900	29.5	257.1	42,300	33.6	269.5	36,500	290
300	18.6	213.0	43,500	24.8	236.8	38,200	29.5	252.6	32,600	300
310	9.2	169.7	39,100	18.8	210.5	34,300	24.7	232.3	29,000	310
320				9.7	168.3	30,300	18.8	206.0	25,500	320
330							9.7	163.8	21,900	330



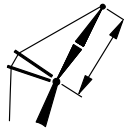
881,800 lb



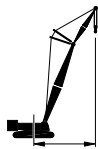
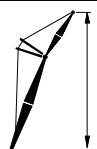
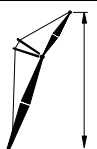
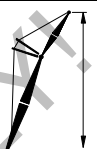
360°

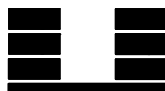


124.7 ft



292.0 ft

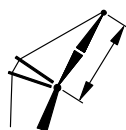
	 85°			 83°			 80°			
 ft		 ft	 lb		 ft	 lb		 ft	 lb	 ft
100	74.8	415.3	178,600							100
105	73.8	413.8	177,500							105
110	72.7	412.2	176,400							110
115	71.7	410.5	175,300	72.6	411.4	174,000				115
120	70.7	408.7	174,100	71.6	409.7	173,100				120
125	69.6	406.8	172,900	70.5	407.9	172,200				125
130	68.6	404.8	171,700	69.5	406.0	171,200				130
135	67.5	402.7	170,500	68.4	404.0	170,300	69.8	405.5	166,600	135
140	66.4	400.5	169,300	67.3	401.9	169,200	68.7	403.5	166,000	140
145	65.3	398.2	168,000	66.3	399.7	168,200	67.7	401.4	165,400	145
150	64.2	395.7	166,800	65.2	397.3	167,200	66.6	399.2	164,800	150
155	63.1	393.2	165,600	64.1	394.8	166,100	65.5	396.9	162,500	155
160	62.0	390.5	162,400	63.0	392.3	159,600	64.4	394.4	155,000	160
165	60.9	387.7	155,300	61.9	389.5	152,500	63.3	391.9	148,000	165
170	59.8	384.7	148,600	60.8	386.7	145,800	62.2	389.2	141,400	170
175	58.6	381.6	142,200	59.6	383.7	139,600	61.1	386.4	135,200	175
180	57.4	378.4	136,200	58.5	380.6	133,600	59.9	383.5	129,400	180
185	56.3	375.0	130,600	57.3	377.4	128,000	58.8	380.4	123,800	185
190	55.1	371.5	125,200	56.1	374.0	122,700	57.6	377.2	118,500	190
195	53.8	367.8	120,100	54.9	370.4	117,700	56.4	373.9	113,400	195
200	52.6	363.9	115,300	53.7	366.7	112,900	55.2	370.4	108,600	200
205	51.3	359.9	110,700	52.4	362.9	108,300	54.0	366.7	104,000	205
210	50.1	355.7	106,400	51.2	358.8	104,000	52.8	362.9	99,700	210
215	48.7	351.3	102,200	49.9	354.5	99,800	51.5	358.9	95,500	215
220	47.4	346.6	98,200	48.6	350.1	95,900	50.3	354.7	91,600	220
225	46.0	341.8	94,400	47.2	345.4	92,100	49.0	350.3	87,800	225
230	44.6	336.7	90,800	45.9	340.6	88,500	47.6	345.7	84,200	230
235	43.2	331.3	87,300	44.5	335.4	84,900	46.3	340.9	80,700	235
240	41.7	325.7	83,900	43.0	330.0	81,500	44.9	335.8	77,400	240
245	40.2	319.8	80,600	41.5	324.4	78,200	43.4	330.5	74,200	245
250	38.6	313.5	77,600	40.0	318.4	75,000	42.0	324.9	71,100	250
255	37.0	306.8	74,500	38.4	312.1	72,000	40.4	319.0	68,100	255
260	35.3	299.8	71,500	36.8	305.4	69,000	38.9	312.8	65,300	260
265	33.5	292.2	68,600	35.1	298.2	66,200	37.3	306.2	62,500	265
270	31.7	284.1	65,800	33.3	290.6	63,500	35.6	299.2	59,900	270
275	29.7	275.4	63,100	31.4	282.4	60,900	33.8	291.8	57,300	275
280	27.6	265.9	60,500	29.4	273.6	58,300	32.0	283.8	54,900	280
285	25.3	255.4	58,000	27.3	264.0	55,800	30.0	275.1	52,500	285
290	22.8	243.8	55,500	25.0	253.4	53,400	27.9	265.8	50,100	290
300	16.7	214.6	50,800	19.6	227.9	48,800	23.2	244.0	45,700	300
310	5.9	160.4	38,700	12.0	190.4	44,200	17.3	215.6	41,400	310
320							7.5	166.5	37,000	320
330										330
340										340



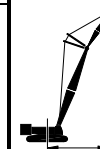
881,800 lb

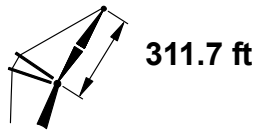
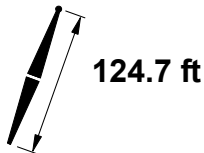
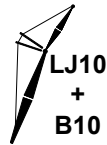


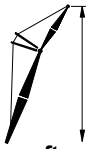
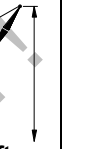
124.7 ft

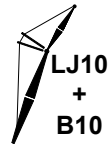


292.0 ft

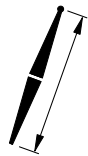
	75°			70°			65°			
										
	ft	ft	lb	ft	lb	ft	lb	ft	lb	ft
100										100
105										105
110										110
115										115
120										120
125										125
130										130
135										135
140										140
145										145
150										150
155										155
160										160
165										165
170	64.6	392.1	131,600							170
175	63.5	389.6	125,600							175
180	62.3	386.9	119,900							180
185	61.2	384.1	114,600							185
190	60.1	381.2	109,500							190
195	58.9	378.2	104,600							195
200	57.8	375.0	100,100							200
205	56.6	371.6	95,700	59.0	374.8	87,200				205
210	55.4	368.2	91,600	57.8	371.6	83,300				210
215	54.2	364.5	87,600	56.7	368.3	79,500				215
220	52.9	360.7	83,900	55.5	364.8	75,900				220
225	51.7	356.7	80,200	54.3	361.2	72,500				225
230	50.4	352.6	76,800	53.0	357.4	69,300				230
235	49.1	348.2	73,500	51.8	353.4	66,100	54.3	356.8	58,600	235
240	47.8	343.6	70,300	50.5	349.3	63,100	53.0	353.0	55,800	240
245	46.4	338.8	67,300	49.2	344.9	60,200	51.8	349.0	53,100	245
250	45.0	333.8	64,400	47.9	340.4	57,500	50.5	344.8	50,400	250
255	43.6	328.5	61,600	46.5	335.6	54,800	49.2	340.5	47,900	255
260	42.1	323.0	58,900	45.1	330.6	52,200	47.9	335.9	45,500	260
265	40.6	317.1	56,300	43.7	325.3	49,800	46.5	331.2	43,200	265
270	39.1	310.9	53,700	42.2	319.8	47,400	45.1	326.1	40,900	270
275	37.5	304.4	51,300	40.7	314.0	45,100	43.7	320.9	38,800	275
280	35.8	297.5	49,000	39.2	307.8	42,900	42.2	315.3	36,700	280
285	34.0	290.0	46,700	37.6	301.3	40,700	40.7	309.5	34,600	285
290	32.2	282.1	44,500	35.9	294.4	38,600	39.2	303.4	32,700	290
300	28.2	264.3	40,300	32.3	279.1	34,700	35.9	289.9	28,900	300
310	23.5	242.8	36,300	28.3	261.4	30,900	32.3	274.7	25,400	310
320	17.7	215.0	32,400	23.7	240.1	27,300	28.3	256.9	22,100	320
330	8.4	168.7	28,500	17.9	212.5	23,900	23.7	235.6	18,900	330
340				8.9	167.6	20,400				340



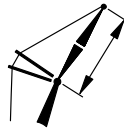
	85°			83°			80°			
										
	ft	ft	lb	ft	lb	ft	lb	ft	lb	ft
105	74.8	434.3	152,600							105
110	73.9	432.9	151,600							110
115	72.9	431.3	150,600							115
120	71.9	429.6	149,600	72.8	430.5	148,500				120
125	71.0	427.9	148,500	71.8	428.8	147,700				125
130	70.0	426.0	147,400	70.8	427.1	146,800				130
135	69.0	424.1	146,300	69.8	425.2	145,900				135
140	68.0	422.0	145,200	68.9	423.2	144,900				140
145	67.0	419.8	144,100	67.9	421.2	144,000	69.1	422.7	141,300	145
150	66.0	417.6	143,000	66.9	419.0	143,100	68.2	420.6	140,700	150
155	65.0	415.2	141,800	65.9	416.7	142,100	67.2	418.5	140,100	155
160	63.9	412.7	140,700	64.8	414.3	141,100	66.2	416.3	139,400	160
165	62.9	410.2	139,600	63.8	411.8	140,200	65.1	413.9	138,700	165
170	61.9	407.4	138,500	62.8	409.2	139,200	64.1	411.4	138,000	170
175	60.8	404.6	137,400	61.7	406.5	137,500	63.1	408.9	133,100	175
180	59.7	401.7	134,200	60.7	403.7	131,600	62.0	406.2	127,300	180
185	58.7	398.6	128,600	59.6	400.7	126,000	61.0	403.4	121,700	185
190	57.6	395.4	123,300	58.5	397.6	120,700	59.9	400.4	116,400	190
195	56.5	392.0	118,200	57.4	394.4	115,700	58.8	397.4	111,300	195
200	55.3	388.5	113,400	56.3	391.0	110,900	57.7	394.2	106,600	200
205	54.2	384.9	108,900	55.2	387.5	106,400	56.6	390.9	102,000	205
210	53.1	381.1	104,500	54.1	383.8	102,000	55.5	387.4	97,700	210
215	51.9	377.2	100,300	52.9	380.0	97,900	54.4	383.8	93,500	215
220	50.7	373.0	96,400	51.7	376.1	94,000	53.2	380.0	89,600	220
225	49.5	368.7	92,600	50.5	371.9	90,200	52.1	376.1	85,800	225
230	48.2	364.2	88,900	49.3	367.6	86,600	50.9	372.0	82,200	230
235	47.0	359.5	85,500	48.1	363.0	83,000	49.7	367.7	78,700	235
240	45.7	354.6	82,100	46.8	358.3	79,600	48.4	363.3	75,400	240
245	44.4	349.5	78,900	45.5	353.4	76,400	47.2	358.6	72,200	245
250	43.0	344.1	75,900	44.2	348.2	73,200	45.9	353.7	69,200	250
255	41.6	338.5	72,800	42.8	342.8	70,200	44.6	348.6	66,300	255
260	40.2	332.5	69,800	41.5	337.1	67,300	43.2	343.3	63,400	260
265	38.7	326.3	67,000	40.0	331.1	64,500	41.9	337.7	60,700	265
270	37.2	319.7	64,200	38.5	324.8	61,800	40.4	331.8	58,100	270
275	35.6	312.7	61,600	37.0	318.2	59,200	39.0	325.6	55,500	275
280	34.0	305.3	59,000	35.4	311.2	56,700	37.5	319.0	53,100	280
285	32.3	297.4	56,500	33.8	303.7	54,200	35.9	312.1	50,700	285
290	30.5	288.9	54,100	32.0	295.7	51,900	34.3	304.8	48,400	290
300	26.5	269.8	49,500	28.3	277.9	47,300	30.8	288.6	44,100	300
310	21.9	246.7	45,100	24.0	256.8	43,100	26.8	269.8	39,900	310
320	16.0	216.1	40,900	18.8	230.1	39,000	22.3	247.0	36,000	320
330	5.0	157.2	28,700	11.2	190.6	35,000	16.5	217.3	32,200	330
340							6.6	164.6	28,300	340
350										350



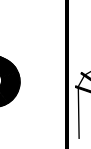
881,800 lb

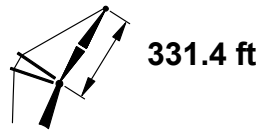
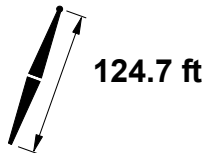
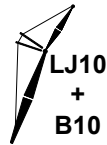


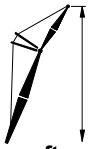
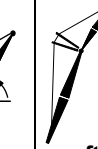
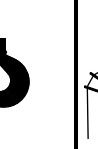
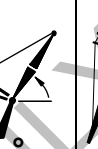
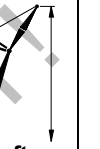
124.7 ft



311.7 ft

	75°			70°			65°			
										
	ft	ft	lb	ft	lb	ft	lb	ft	lb	ft
105										105
110										110
115										115
120										120
125										125
130										130
135										135
140										140
145										145
150										150
155										155
160										160
165										165
170										170
175										175
180	64.2	409.1	117,600							180
185	63.2	406.6	112,200							185
190	62.2	403.9	107,200							190
195	61.1	401.1	102,400							195
200	60.0	398.2	97,800							200
205	59.0	395.1	93,500							205
210	57.9	392.0	89,400							210
215	56.8	388.6	85,400	59.0	391.8	77,100				215
220	55.7	385.2	81,700	58.0	388.6	73,600				220
225	54.5	381.6	78,100	56.9	385.3	70,200				225
230	53.4	377.9	74,600	55.7	381.9	66,900				230
235	52.2	373.9	71,400	54.6	378.3	63,800				235
240	51.0	369.9	68,200	53.5	374.6	60,800				240
245	49.8	365.6	65,200	52.3	370.7	58,000	54.6	373.8	50,600	245
250	48.6	361.2	62,300	51.1	366.6	55,200	53.5	370.1	48,000	250
255	47.3	356.5	59,500	49.9	362.3	52,600	52.3	366.2	45,500	255
260	46.1	351.7	56,800	48.7	357.9	50,000	51.1	362.1	43,100	260
265	44.7	346.6	54,200	47.4	353.3	47,600	49.9	357.9	40,800	265
270	43.4	341.3	51,700	46.1	348.5	45,200	48.7	353.5	38,600	270
275	42.0	335.7	49,300	44.8	343.4	42,900	47.4	348.8	36,500	275
280	40.6	329.9	47,000	43.5	338.1	40,700	46.1	344.0	34,400	280
285	39.2	323.7	44,800	42.1	332.6	38,600	44.8	339.0	32,400	285
290	37.7	317.2	42,600	40.7	326.7	36,600	43.5	333.7	30,400	290
300	34.5	303.1	38,400	37.8	314.1	32,700	40.7	322.3	26,800	300
310	31.0	287.0	34,500	34.6	300.0	29,000	37.7	309.7	23,300	310
320	27.1	268.4	30,800	31.1	284.0	25,500	34.6	295.5	20,000	320
330	22.6	245.9	27,300	27.2	265.5	22,200				330
340	16.9	216.8	23,900	22.7	243.2	19,000				340
350	7.7	167.5	20,400							350



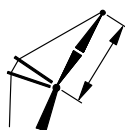
	85°			83°			80°			
										
	ft	ft	lb	ft	lb	ft	lb	ft	lb	ft
110	74.9	453.4	130,100							110
115	74.0	451.9	128,900							115
120	73.0	450.4	127,900							120
125	72.1	448.7	127,000	72.9	449.6	126,100				125
130	71.2	447.0	126,000	72.0	447.9	125,300				130
135	70.3	445.2	125,000	71.1	446.2	124,500				135
140	69.4	443.2	124,000	70.2	444.3	123,600				140
145	68.4	441.2	123,000	69.3	442.4	122,800				145
150	67.5	439.1	122,000	68.3	440.4	121,900	69.5	441.9	119,700	150
155	66.6	436.9	121,100	67.4	438.3	121,000	68.6	439.9	119,000	155
160	65.6	434.6	120,000	66.4	436.1	120,100	67.7	437.8	118,400	160
165	64.7	432.2	119,000	65.5	433.8	119,200	66.7	435.6	117,700	165
170	63.7	429.7	118,000	64.5	431.3	118,400	65.8	433.3	117,100	170
175	62.7	427.1	117,000	63.6	428.8	117,500	64.8	430.9	116,400	175
180	61.7	424.4	116,000	62.6	426.2	116,700	63.8	428.4	115,700	180
185	60.7	421.6	115,100	61.6	423.5	115,700	62.9	425.8	115,000	185
190	59.7	418.6	114,100	60.6	420.6	114,900	61.9	423.1	112,800	190
195	58.7	415.6	113,200	59.6	417.7	112,300	60.9	420.3	107,800	195
200	57.7	412.4	110,000	58.6	414.6	107,500	59.9	417.4	103,000	200
205	56.6	409.0	105,500	57.5	411.4	103,000	58.9	414.3	98,400	205
210	55.6	405.6	101,100	56.5	408.0	98,700	57.9	411.2	94,100	210
215	54.5	402.0	97,000	55.5	404.5	94,600	56.8	407.9	90,000	215
220	53.5	398.3	93,000	54.4	400.9	90,600	55.8	404.4	86,000	220
225	52.4	394.4	89,300	53.3	397.2	86,900	54.7	400.9	82,300	225
230	51.2	390.3	85,600	52.2	393.3	83,200	53.6	397.2	78,700	230
235	50.1	386.1	82,200	51.1	389.2	79,600	52.5	393.3	75,200	235
240	49.0	381.7	78,900	50.0	385.0	76,300	51.4	389.3	71,900	240
245	47.8	377.2	75,700	48.8	380.6	73,000	50.3	385.1	68,800	245
250	46.6	372.4	72,600	47.6	376.0	69,900	49.2	380.7	65,700	250
255	45.4	367.4	69,500	46.4	371.2	66,800	48.0	376.2	62,800	255
260	44.1	362.3	66,600	45.2	366.2	64,000	46.8	371.5	60,000	260
265	42.9	356.9	63,700	44.0	361.0	61,200	45.6	366.5	57,300	265
270	41.6	351.2	61,000	42.7	355.6	58,500	44.3	361.4	54,700	270
275	40.2	345.3	58,300	41.4	349.9	55,900	43.1	356.0	52,200	275
280	38.8	339.0	55,800	40.0	343.9	53,400	41.8	350.4	49,700	280
285	37.4	332.5	53,300	38.7	337.6	51,000	40.4	344.5	47,400	285
290	35.9	325.6	50,900	37.2	331.0	48,600	39.1	338.3	45,100	290
300	32.8	310.5	46,400	34.2	316.7	44,200	36.2	325.0	40,800	300
310	29.4	293.4	42,100	30.9	300.6	40,000	33.1	310.1	36,700	310
320	25.5	273.6	38,000	27.3	282.0	36,000	29.7	293.2	32,900	320
330	21.0	249.4	34,200	23.1	260.0	32,200	25.9	273.6	29,200	330
340	15.2	217.4	30,400	18.0	232.2	28,600	21.4	249.9	25,700	340
350	3.9	152.9	18,000	10.6	190.5	25,000	15.8	218.8	22,400	350
360							5.8	162.2	18,800	360



881,800 lb

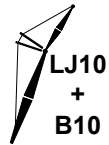


124.7 ft



331.4 ft

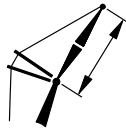
	75°			70°			65°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
110										110
115										115
120										120
125										125
130										130
135										135
140										140
145										145
150										150
155										155
160										160
165										165
170										170
175										175
180										180
185	64.9	428.6	108,400							185
190	64.0	426.1	103,400							190
195	63.0	423.5	98,600							195
200	62.0	420.8	94,000							200
205	61.0	418.0	89,700							205
210	60.0	415.1	85,600							210
215	59.0	412.1	81,700							215
220	58.0	408.9	77,900							220
225	56.9	405.6	74,400	59.1	408.7	66,300				225
230	55.9	402.2	71,000	58.0	405.6	63,100				230
235	54.8	398.7	67,700	57.0	402.3	60,000				235
240	53.8	395.0	64,500	56.0	398.9	57,000				240
245	52.7	391.1	61,500	54.9	395.4	54,200				245
250	51.6	387.1	58,600	53.8	391.7	51,400				250
255	50.4	383.0	55,900	52.7	387.8	48,800	54.9	390.9	41,600	255
260	49.3	378.6	53,200	51.6	383.9	46,300	53.8	387.2	39,200	260
265	48.1	374.1	50,600	50.5	379.7	43,800	52.7	383.4	36,900	265
270	46.9	369.4	48,200	49.4	375.4	41,500	51.6	379.4	34,700	270
275	45.7	364.5	45,800	48.2	370.9	39,200	50.5	375.3	32,600	275
280	44.5	359.4	43,500	47.0	366.2	37,000	49.4	370.9	30,500	280
285	43.2	354.1	41,200	45.8	361.3	34,900	48.2	366.4	28,600	285
290	41.9	348.5	39,100	44.6	356.2	32,900	47.0	361.7	26,600	290
300	39.2	336.5	35,000	42.0	345.3	29,000	44.6	351.8	23,000	300
310	36.4	323.2	31,100	39.3	333.3	25,400	42.0	340.8	19,600	310
320	33.3	308.4	27,500	36.5	320.1	22,000				320
330	29.9	291.6	24,100	33.4	305.4	18,700				330
340	26.1	272.2	20,800							340
350										350
360										360



881,800 lb



144.4 ft

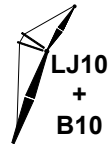


85.3 ft

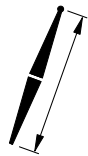
	85°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
50	73.0	234.6	570,600 c							50
55	69.4	232.6	527,700 c							55
60	65.7	230.2	490,600 c	69.4	232.0	489,100 c				60
65	61.8	227.4	458,300 b	65.7	229.6	456,800 b				65
70	57.8	224.1	429,900 b	61.8	226.8	428,500 b	67.5	229.5	426,600 b	70
75	53.6	220.3	397,700	57.8	223.5	396,400 b	63.8	226.9	394,600 b	75
80	49.1	215.9	369,100	53.6	219.7	367,900	59.8	223.9	366,200 b	80
85	44.3	210.7	344,300	49.1	215.3	343,200	55.7	220.4	341,500	85
90	38.9	204.4	322,700	44.3	210.0	321,600	51.4	216.3	320,000	90
95	32.7	196.7	303,700	38.9	203.8	302,600	46.7	211.5	301,100	95
100	25.0	186.3	286,900	32.7	196.0	285,700	41.7	205.8	284,300	100
105	12.7	168.8	272,100	25.0	185.7	270,800	35.9	198.8	269,200	105
110				12.8	168.3	257,500	29.1	190.0	255,800	110
115							20.0	177.4	243,700	115
120										120
125										125
130										130
135										135
140										140
145										145
150										150

MLC650 S-3

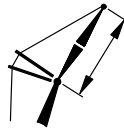
ASME B30.5



881,800 lb

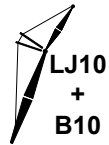


144.4 ft



85.3 ft

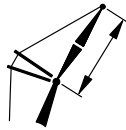
	75°			70°			65°			
ft			lb			lb			lb	ft
50										50
55										55
60										60
65										65
70										70
75										75
80										80
85										85
90	61.7	222.3	317,700							90
95	57.6	219.0	298,800							95
100	53.4	215.2	282,100							100
105	48.9	210.7	267,100	59.2	216.3	265,300				105
110	44.0	205.5	253,700	55.1	212.7	251,900				110
115	38.6	199.2	241,500	50.7	208.5	239,800				115
120	32.4	191.3	230,500	46.0	203.6	228,800				120
125	24.6	180.9	220,500	40.8	197.7	218,800	52.1	204.8	212,700	125
130	11.8	162.5	211,500	35.0	190.6	209,600	47.5	200.1	202,200	130
135				28.0	181.4	201,200	42.5	194.6	192,400	135
140				18.2	167.7	193,000	36.9	187.9	183,200	140
145							30.3	179.5	174,600	145
150							21.8	167.7	166,300	150



881,800 lb



144.4 ft

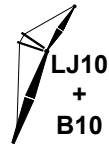


95.1 ft

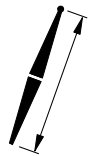
	85°			83°			80°			
ft			lb			lb			lb	ft
50	74.8	245.0	565,900 c							50
55	71.6	243.2	523,700 c							55
60	68.4	241.1	487,300 b	71.7	242.6	485,800 b				60
65	65.0	238.7	455,500 b	68.4	240.5	454,100 b				65
70	61.6	235.9	427,500 b	65.0	238.1	426,200 b				70
75	58.0	232.6	397,700	61.6	235.2	396,500 b	66.7	238.0	394,700 b	75
80	54.3	228.9	369,100	58.0	232.0	367,900	63.3	235.4	366,300	80
85	50.3	224.7	344,300	54.3	228.3	343,200	59.8	232.4	341,600	85
90	46.1	219.8	322,700	50.3	224.1	321,600	56.2	228.9	320,100	90
95	41.5	214.0	303,700	46.1	219.2	302,600	52.3	225.0	301,200	95
100	36.4	207.2	286,700	41.5	213.4	285,700	48.2	220.4	284,300	100
105	30.6	198.9	271,700	36.5	206.6	270,700	43.9	215.1	269,300	105
110	23.2	187.8	258,200	30.6	198.3	257,100	39.1	208.9	255,800	110
115	11.3	168.5	246,200	23.3	187.2	245,000	33.6	201.4	243,600	115
120				11.3	168.0	234,100	27.2	191.9	232,500	120
125							18.4	178.2	222,500	125
130										130
135										135
140										140
145										145
150										150
155										155
160										160

MLC650 S-3

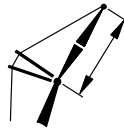
ASME B30.5



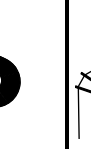
881,800 lb

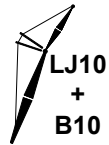


144.4 ft



95.1 ft

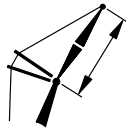
	75°			70°			65°			
										
	ft	ft	ft	lb	ft	ft	lb	ft	lb	ft
50										50
55										55
60										60
65										65
70										70
75										75
80										80
85										85
90	64.9	233.6		317,900						90
95	61.4	230.8		299,000						95
100	57.8	227.6		282,200						100
105	54.1	223.8		267,300						105
110	50.1	219.5		253,800	59.3	224.8	252,100			110
115	45.9	214.6		241,600	55.6	221.3	239,900			115
120	41.3	208.8		230,600	51.7	217.2	228,900			120
125	36.2	202.0		220,500	47.6	212.6	218,900			125
130	30.3	193.5		211,300	43.2	207.2	209,700	53.0	213.5	199,300
135	22.9	182.2		202,900	38.3	200.8	201,100	48.9	209.0	189,600
140	10.3	162.0		195,300	32.7	193.0	191,500	44.6	203.9	180,700
145					26.1	183.1	182,500	39.9	197.8	172,300
150					16.6	168.3	173,600	34.6	190.5	164,300
155								28.3	181.4	156,800
160								20.1	168.8	149,500



881,800 lb



144.4 ft

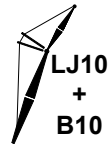


105.0 ft

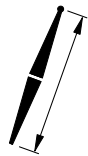
	85°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
55	73.4	253.7	519,500 b							55
60	70.5	251.8	483,700 b							60
65	67.6	249.6	452,500 b							65
70	64.5	247.2	424,900 b	70.5	251.2	451,100 b				70
75	61.4	244.3	397,400	67.6	249.0	423,600 b				75
				64.5	246.5	396,200	69.1	248.8	394,400	
80	58.1	241.1	368,800	61.4	243.7	367,700	66.0	246.5	366,000	80
85	54.8	237.5	344,100	58.2	240.5	343,000	63.0	243.9	341,500	85
90	51.2	233.4	322,500	54.8	236.9	321,400	59.8	240.9	320,000	90
95	47.5	228.7	303,400	51.3	232.8	302,400	56.5	237.4	301,000	95
100	43.5	223.4	286,500	47.5	228.1	285,600	53.0	233.6	284,200	100
105	39.2	217.2	271,400	43.5	222.8	270,500	49.4	229.2	269,200	105
110	34.4	209.9	257,800	39.2	216.6	256,900	45.6	224.2	255,600	110
115	28.7	200.9	245,600	34.4	209.3	244,700	41.4	218.5	243,400	115
120	21.7	189.0	234,500	28.8	200.3	233,600	36.8	211.8	232,300	120
125	9.9	168.0	224,600	21.7	188.4	223,500	31.7	203.7	222,200	125
130				10.0	167.5	214,400	25.5	193.5	213,000	130
135							17.0	178.9	204,600	135
140										140
145										145
150										150
155										155
160										160
165										165
170										170

MLC650 S-3

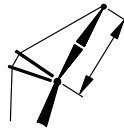
ASME B30.5



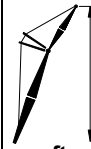
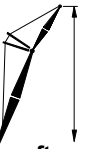
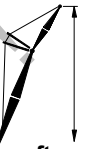
881,800 lb

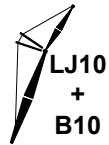


144.4 ft



105.0 ft

	75°			70°			65°			
										
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
55										55
60										60
65										65
70										70
75										75
80										80
85										85
90										90
95	64.4	242.1	298,900							95
100	61.2	239.3	282,100							100
105	58.0	236.0	267,200							105
110	54.6	232.4	253,700							110
115	51.1	228.3	241,600	59.3	233.3	239,900				115
120	47.3	223.6	230,500	56.0	229.8	228,900				120
125	43.3	218.2	220,400	52.5	225.9	218,900				125
130	39.0	212.0	211,200	48.8	221.4	209,700				130
135	34.1	204.6	202,700	45.0	216.3	200,000	53.6	222.1	188,100	135
140	28.5	195.5	194,900	40.8	210.5	190,600	50.0	217.8	179,200	140
145	21.3	183.4	187,800	36.1	203.6	181,800	46.2	212.9	171,000	145
150	8.9	161.3	181,300	30.8	195.3	173,500	42.1	207.3	163,200	150
155				24.4	184.7	165,600	37.6	200.8	155,900	155
160				15.3	168.8	157,900	32.6	193.0	149,000	160
165							26.6	183.3	142,400	165
170							18.7	169.7	135,900	170



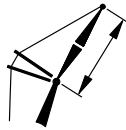
881,800 lb



360°



144.4 ft

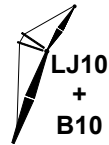


114.8 ft

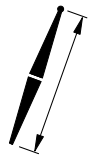
	85°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
55	74.9	264.0	515,000 b							55
60	72.3	262.3	480,000 b							60
65	69.6	260.4	449,400 b							65
70	66.9	258.2	422,300	72.3	261.7	448,000 b				70
75	64.1	255.6	397,500	69.6	259.8	421,000				75
				66.9	257.5	396,300				
80	61.2	252.8	368,900	64.1	255.0	367,800	68.2	257.4	366,200	80
85	58.3	249.6	344,200	61.2	252.2	343,100	65.5	255.0	341,600	85
90	55.2	246.1	322,600	58.3	249.0	321,600	62.7	252.3	320,100	90
95	52.0	242.1	303,500	55.2	245.4	302,600	59.8	249.3	301,200	95
100	48.7	237.6	286,600	52.0	241.4	285,700	56.7	246.0	284,400	100
105	45.1	232.5	271,500	48.7	237.0	270,600	53.6	242.2	269,300	105
110	41.3	226.8	257,900	45.1	231.9	257,000	50.4	238.0	255,800	110
115	37.2	220.1	245,600	41.3	226.2	244,700	46.9	233.2	243,500	115
120	32.6	212.3	234,400	37.2	219.5	233,600	43.2	227.8	232,400	120
125	27.2	202.8	224,200	32.6	211.7	223,400	39.3	221.7	222,300	125
130	20.4	190.2	215,000	27.2	202.2	214,100	34.9	214.5	213,000	130
135	8.7	167.3	206,700	20.4	189.6	205,600	30.0	205.9	204,500	135
140				8.8	166.8	198,000	24.0	195.1	196,700	140
145							15.8	179.4	189,500	145
150										150
155										155
160										160
165										165
170										170
175										175
180										180

MLC650 S-3

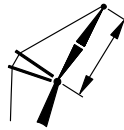
ASME B30.5



881,800 lb

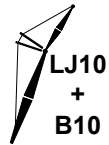


144.4 ft



114.8 ft

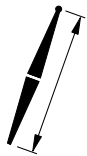
	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
55										55
60										60
65										65
70										70
75										75
80										80
85										85
90										90
95										95
100	64.0	250.6	282,300							100
105	61.1	247.7	267,300							105
110	58.1	244.5	253,900							110
115	55.1	241.0	241,700							115
120	51.9	236.9	230,600	59.3	241.8	229,100				120
125	48.5	232.4	220,600	56.3	238.4	218,100				125
130	45.0	227.4	211,300	53.1	234.5	207,300				130
135	41.1	221.6	202,800	49.9	230.2	197,300				135
140	37.0	214.9	195,000	46.4	225.4	188,000	54.1	230.7	176,200	140
145	32.3	207.0	187,700	42.7	219.9	179,300	50.9	226.5	168,100	145
150	26.9	197.4	181,100	38.7	213.6	171,200	47.5	221.9	160,400	150
155	20.0	184.5	173,000	34.2	206.2	163,500	43.9	216.6	153,200	155
160	7.6	160.2	164,600	29.2	197.4	156,300	40.0	210.6	146,500	160
165				23.0	186.1	149,300	35.7	203.6	140,100	165
170				14.2	169.1	142,400	30.9	195.3	134,000	170
175							25.1	184.9	128,100	175
180							17.5	170.5	122,400	180



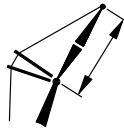
881,800 lb



360°



144.4 ft

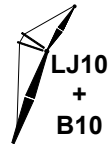


124.7 ft

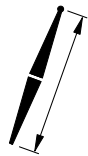
	85°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
60	73.7	272.7	475,900 b							60
65	71.3	271.0	445,900							65
70	68.8	269.0	419,300	71.3	270.3	418,000				70
75	66.3	266.7	395,600	68.8	268.3	394,400				75
80	63.7	264.1	368,200	66.3	266.0	367,100				80
85	61.1	261.3	343,600	63.7	263.5	342,500	67.6	265.9	341,000	85
90	58.4	258.1	322,000	61.1	260.6	321,000	65.0	263.5	319,600	90
95	55.6	254.6	303,000	58.4	257.5	302,100	62.4	260.8	300,700	95
100	52.6	250.7	286,100	55.6	254.0	285,200	59.7	257.8	283,900	100
105	49.6	246.4	271,000	52.7	250.1	270,100	57.0	254.5	268,900	105
110	46.4	241.5	257,400	49.6	245.7	256,600	54.1	250.8	255,400	110
115	43.0	236.1	245,100	46.4	240.9	244,300	51.1	246.7	243,200	115
120	39.4	230.0	233,900	43.0	235.5	233,200	48.0	242.1	232,100	120
125	35.4	222.9	223,800	39.4	229.4	223,000	44.7	237.0	221,900	125
130	31.0	214.7	214,500	35.4	222.3	213,700	41.2	231.2	212,600	130
135	25.8	204.6	205,900	31.0	214.1	205,200	37.4	224.6	204,100	135
140	19.2	191.2	198,100	25.8	204.0	197,300	33.3	217.0	196,300	140
145	7.5	166.2	191,000	19.3	190.6	190,100	28.5	208.0	189,000	145
150				7.6	165.8	183,600	22.8	196.5	182,300	150
155							14.8	179.9	176,100	155
160										160
165										165
170										170
175										175
180										180
185										185
190										190

MLC650 S-3

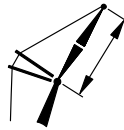
ASME B30.5



881,800 lb

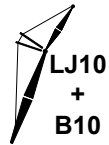


144.4 ft



124.7 ft

	75°			70°			65°			
ft			lb			lb			lb	ft
60										60
65										65
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105	63.6	259.1	267,000							105
110	61.0	256.2	253,500							110
115	58.2	253.0	241,400							115
120	55.4	249.5	230,300							120
125	52.5	245.6	220,300	59.3	250.3	218,300				125
130	49.5	241.2	211,000	56.5	246.9	207,500				130
135	46.3	236.4	202,500	53.7	243.1	197,600				135
140	42.9	230.9	194,700	50.7	238.9	188,400				140
145	39.2	224.7	187,500	47.5	234.3	179,700	54.6	239.2	168,300	145
150	35.2	217.7	180,700	44.2	229.1	171,700	51.6	235.2	160,700	150
155	30.8	209.3	174,300	40.7	223.2	164,100	48.6	230.7	153,600	155
160	25.5	199.1	166,600	36.8	216.5	157,000	45.3	225.7	146,900	160
165	18.9	185.5	159,300	32.6	208.7	150,300	41.8	220.0	140,600	165
170	6.3	158.7	151,700	27.7	199.4	143,900	38.1	213.6	134,600	170
175				21.8	187.4	137,700	34.0	206.2	128,900	175
180				13.1	169.3	131,600	29.3	197.4	123,500	180
185							23.8	186.5	118,300	185
190							16.4	171.1	113,200	190



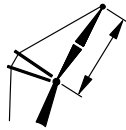
881,800 lb



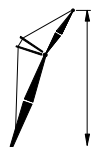
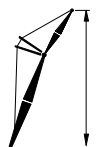
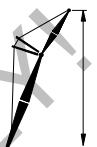
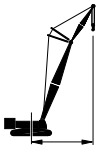
360°



144.4 ft

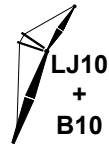


134.5 ft

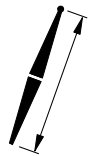
	 85°			 83°			 80°			
 ft	 ft	 ft	 lb	 ft	 ft	 lb	 ft	 ft	 lb	 ft
60	75.0	283.1	471,700 b							60
65	72.7	281.4	442,300							65
70	70.5	279.6	416,200	72.7	280.8	415,000				70
75	68.2	277.5	392,900	70.5	279.0	391,800				75
80	65.8	275.2	368,400	68.2	276.9	367,200				80
85	63.4	272.6	343,700	65.8	274.6	342,700	69.3	276.6	341,200	85
90	61.0	269.7	322,200	63.4	272.0	321,200	67.0	274.4	319,800	90
95	58.4	266.6	303,200	61.0	269.1	302,200	64.6	272.0	300,900	95
100	55.9	263.1	286,300	58.5	266.0	285,400	62.2	269.3	284,100	100
105	53.2	259.3	271,100	55.9	262.5	270,300	59.7	266.3	269,100	105
110	50.4	255.1	257,500	53.2	258.7	256,700	57.2	263.0	255,500	110
115	47.5	250.4	245,200	50.4	254.5	244,500	54.5	259.3	243,300	115
120	44.4	245.3	234,100	47.5	249.8	233,300	51.8	255.3	232,200	120
125	41.2	239.5	223,900	44.4	244.7	223,100	49.0	250.9	222,100	125
130	37.7	233.0	214,500	41.2	238.9	213,800	46.0	246.0	212,800	130
135	33.9	225.6	205,900	37.7	232.4	205,200	42.8	240.5	204,200	135
140	29.6	216.8	198,000	33.9	224.9	197,300	39.5	234.4	196,300	140
145	24.6	206.2	190,700	29.6	216.2	190,000	35.8	227.5	189,000	145
150	18.2	192.1	184,000	24.6	205.6	183,300	31.8	219.5	182,300	150
155	6.4	164.8	178,000	18.2	191.5	177,000	27.2	209.9	176,000	155
160				6.5	164.4	171,400	21.6	197.8	170,200	160
165							13.8	180.2	164,800	165
170										170
175										175
180										180
185										185
190										190
195										195
200										200

MLC650 S-3

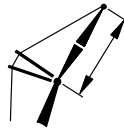
ASME B30.5



881,800 lb

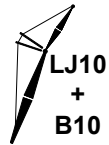


144.4 ft



134.5 ft

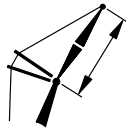
	75°			70°			65°			
ft		ft	lb		ft	lb		ft	lb	ft
60										60
65										65
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110	63.3	267.5	253,700							110
115	60.8	264.7	241,600							115
120	58.3	261.5	230,500							120
125	55.7	258.0	220,400							125
130	53.1	254.2	211,200	59.3	258.7	204,600				130
135	50.3	250.0	202,700	56.8	255.4	194,700				135
140	47.4	245.3	194,800	54.1	251.7	185,500				140
145	44.3	240.1	187,600	51.4	247.6	177,000				145
150	41.0	234.3	180,000	48.5	243.1	169,000	55.0	247.8	157,700	150
155	37.5	227.8	172,100	45.5	238.2	161,500	52.3	243.9	150,600	155
160	33.7	220.3	164,600	42.3	232.6	154,500	49.4	239.5	144,000	160
165	29.4	211.5	157,600	38.9	226.4	147,900	46.5	234.7	137,800	165
170	24.3	200.7	150,800	35.2	219.3	141,600	43.4	229.3	131,900	170
175	17.8	186.4	144,300	31.1	211.1	135,700	40.0	223.3	126,300	175
180	4.9	156.5	137,400	26.4	201.2	130,000	36.4	216.5	121,100	180
185				20.7	188.6	124,500	32.5	208.7	116,000	185
190				12.2	169.3	119,000	28.0	199.4	111,200	190
195							22.6	187.9	106,500	195
200							15.4	171.7	101,800	200



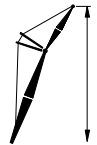
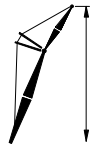
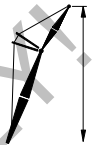
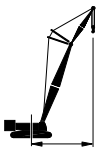
881,800 lb



144.4 ft

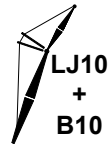


144.4 ft

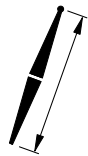
	 85°			 83°			 80°			
 ft		 ft	 lb		 ft	 lb		 ft	 lb	 ft
65	73.9	291.8	438,500							65
70	71.9	290.1	412,900							70
75	69.7	288.2	390,100	71.9	289.5	388,900				75
80	67.6	286.0	368,100	69.7	287.5	367,000				80
85	65.4	283.7	343,500	67.6	285.4	342,500				85
90	63.1	281.1	322,000	65.4	283.1	321,000	68.7	285.2	319,600	90
95	60.9	278.2	303,000	63.2	280.5	302,100	66.5	283.0	300,800	95
100	58.5	275.1	286,100	60.9	277.6	285,300	64.3	280.5	284,000	100
105	56.1	271.7	271,000	58.5	274.5	270,200	62.0	277.8	269,000	105
110	53.6	267.9	257,400	56.1	271.0	256,600	59.7	274.8	255,500	110
115	51.1	263.8	245,100	53.6	267.3	244,400	57.3	271.5	243,200	115
120	48.4	259.3	234,000	51.1	263.2	233,200	54.9	267.9	232,100	120
125	45.6	254.3	223,800	48.4	258.7	223,000	52.4	264.0	222,000	125
130	42.7	248.8	214,400	45.6	253.7	213,700	49.7	259.7	212,700	130
135	39.5	242.7	205,800	42.7	248.2	205,100	47.0	254.9	204,200	135
140	36.2	235.9	197,900	39.5	242.1	197,200	44.1	249.7	196,300	140
145	32.5	228.0	190,600	36.2	235.3	189,900	41.1	243.9	189,000	145
150	28.3	218.9	183,800	32.5	227.4	183,100	37.9	237.5	182,200	150
155	23.5	207.7	177,500	28.3	218.3	176,800	34.4	230.2	175,900	155
160	17.3	192.9	171,600	23.5	207.1	171,000	30.5	221.7	170,000	160
165	5.1	162.7	166,100	17.3	192.3	165,500	26.0	211.7	164,600	165
170				5.2	162.4	160,600	20.6	199.0	158,100	170
175							12.9	180.4	151,500	175
180										180
185										185
190										190
195										195
200										200
205										205
210										210

MLC650 S-3

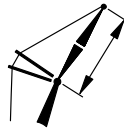
ASME B30.5



881,800 lb

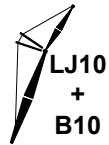


144.4 ft



144.4 ft

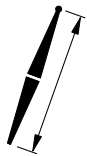
	75°			70°			65°			
ft			lb			lb			lb	ft
65										65
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115	63.0	276.0	241,500							115
120	60.8	273.2	230,500							120
125	58.4	270.0	220,400							125
130	56.0	266.6	211,100							130
135	53.5	262.8	202,600	59.3	267.2	192,800				135
140	50.9	258.7	194,800	57.0	263.9	183,600				140
145	48.3	254.1	186,800	54.5	260.3	175,100				145
150	45.5	249.2	178,400	52.0	256.3	167,200				150
155	42.5	243.7	170,600	49.3	251.9	159,800				155
160	39.4	237.5	163,200	46.6	247.1	152,800	52.8	252.5	142,100	160
165	36.0	230.6	156,200	43.7	241.8	146,200	50.2	248.2	135,900	165
170	32.3	222.7	149,600	40.6	236.0	140,000	47.5	243.6	130,100	170
175	28.1	213.5	143,400	37.4	229.4	134,200	44.6	238.5	124,600	175
180	23.2	202.2	137,400	33.8	221.9	128,600	41.6	232.8	119,400	180
185	16.9	187.1	131,600	29.8	213.3	123,300	38.4	226.4	114,400	185
190	2.8	152.0	125,200	25.3	202.9	118,200	35.0	219.3	109,700	190
195				19.7	189.7	113,300	31.1	211.1	105,200	195
200				11.3	169.2	108,300	26.8	201.3	100,800	200
205							21.6	189.2	96,600	205
210							14.5	172.1	92,300	210



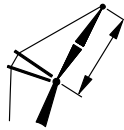
881,800 lb



360°



144.4 ft

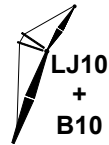


154.2 ft

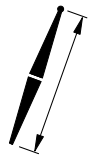
	85°			83°			80°			
ft			lb			lb			lb	ft
70	73.1	300.5	409,500							70
75	71.1	298.7	387,100							75
80	69.1	296.8	367,000	71.1	298.1	365,900				80
85	67.1	294.6	343,700	69.1	296.1	342,700				85
90	65.0	292.2	322,200	67.1	294.0	321,200				90
95	62.9	289.6	303,200	65.0	291.6	302,300	68.1	293.8	300,900	95
100	60.8	286.7	286,300	62.9	288.9	285,400	66.0	291.5	284,200	100
105	58.6	283.6	271,200	60.8	286.1	270,400	64.0	289.0	269,200	105
110	56.3	280.2	257,600	58.6	282.9	256,800	61.8	286.2	255,600	110
115	54.0	276.5	245,300	56.3	279.5	244,500	59.7	283.2	243,400	115
120	51.6	272.5	234,100	54.0	275.9	233,400	57.5	280.0	232,300	120
125	49.2	268.1	223,900	51.6	271.8	223,200	55.2	276.4	222,200	125
130	46.6	263.3	214,500	49.2	267.5	213,800	52.8	272.6	212,900	130
135	43.9	258.0	205,900	46.6	262.7	205,300	50.4	268.4	204,300	135
140	41.1	252.2	198,000	43.9	257.4	197,300	47.9	263.8	196,400	140
145	38.0	245.8	190,600	41.1	251.6	190,000	45.3	258.8	189,100	145
150	34.8	238.6	183,800	38.1	245.2	183,200	42.5	253.3	182,300	150
155	31.2	230.4	177,500	34.8	238.0	176,900	39.6	247.2	176,000	155
160	27.2	220.8	171,600	31.2	229.8	171,000	36.4	240.4	170,100	160
165	22.5	209.2	166,100	27.2	220.2	165,500	33.0	232.7	163,100	165
170	16.4	193.6	161,000	22.5	208.6	160,300	29.3	223.9	156,400	170
175	3.5	159.4	146,900	16.4	193.0	154,300	25.0	213.4	150,000	175
180				3.7	159.3	147,800	19.7	200.1	143,900	180
185							12.1	180.5	137,800	185
190										190
195										195
200										200
205										205
210										210
215										215
220										220

MLC650 S-3

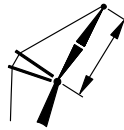
ASME B30.5



881,800 lb

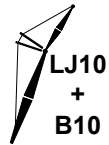


144.4 ft



154.2 ft

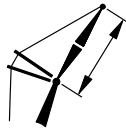
	75°			70°			65°			
ft		ft	lb		ft	lb		ft	lb	ft
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115	64.9	287.1	241,700							115
120	62.8	284.5	230,600							120
125	60.7	281.6	220,500							125
130	58.5	278.5	211,300							130
135	56.2	275.1	202,800							135
140	53.9	271.4	193,200	59.4	275.7	180,700				140
145	51.5	267.3	184,300	57.1	272.4	172,300				145
150	49.1	262.9	175,900	54.8	268.8	164,400				150
155	46.5	258.1	168,100	52.5	264.9	157,000				155
160	43.8	252.9	160,800	50.0	260.7	150,100				160
165	40.9	247.0	153,900	47.5	256.0	143,600	53.2	261.1	133,000	165
170	37.9	240.6	147,400	44.9	250.9	137,400	50.8	256.9	127,200	170
175	34.6	233.3	141,200	42.1	245.3	131,700	48.3	252.4	121,800	175
180	31.0	225.1	135,400	39.1	239.2	126,200	45.7	247.5	116,600	180
185	27.0	215.4	129,800	36.0	232.2	120,900	43.0	242.1	111,700	185
190	22.2	203.6	124,400	32.5	224.4	116,000	40.1	236.1	107,100	190
195	16.1	187.8	119,200	28.7	215.4	111,200	37.0	229.4	102,600	195
200				24.2	204.6	106,600	33.6	221.9	98,400	200
205				18.8	190.7	102,100	29.9	213.3	94,300	205
210				10.5	169.0	97,600	25.7	203.1	90,400	210
215							20.7	190.4	86,500	215
220							13.7	172.5	82,700	220



881,800 lb



144.4 ft

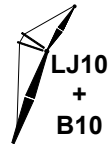


164.0 ft

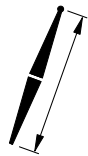
	85°			83°			80°			
ft		ft	lb		ft	lb		ft	lb	ft
70	74.1	310.9	406,000							70
75	72.3	309.2	384,100							75
80	70.4	307.4	364,400	72.3	308.6	363,300				80
85	68.5	305.3	343,300	70.4	306.7	342,300				85
90	66.6	303.1	321,900	68.5	304.7	320,900				90
95	64.7	300.7	302,900	66.6	302.5	302,000	69.5	304.4	300,700	95
100	62.7	298.0	286,100	64.7	300.1	285,200	67.6	302.3	283,900	100
105	60.7	295.2	271,000	62.7	297.4	270,200	65.7	300.0	269,000	105
110	58.6	292.1	257,400	60.7	294.5	256,600	63.7	297.5	255,500	110
115	56.5	288.7	245,100	58.6	291.4	244,400	61.7	294.7	243,300	115
120	54.4	285.0	234,000	56.5	288.1	233,200	59.7	291.7	232,200	120
125	52.1	281.1	223,700	54.4	284.4	223,000	57.6	288.5	222,000	125
130	49.8	276.8	214,400	52.2	280.5	213,700	55.5	285.0	212,700	130
135	47.5	272.2	205,800	49.9	276.2	205,100	53.3	281.2	204,200	135
140	45.0	267.1	197,800	47.5	271.5	197,200	51.0	277.1	196,300	140
145	42.4	261.6	190,500	45.0	266.5	189,900	48.7	272.6	189,000	145
150	39.6	255.5	183,700	42.4	261.0	183,100	46.2	267.8	182,200	150
155	36.7	248.8	177,300	39.6	254.9	176,700	43.7	262.5	175,900	155
160	33.5	241.2	171,400	36.7	248.2	170,800	41.0	256.7	169,800	160
165	30.1	232.7	165,900	33.6	240.6	165,300	38.2	250.3	162,700	165
170	26.2	222.7	160,700	30.1	232.1	160,100	35.2	243.2	156,100	170
175	21.6	210.5	155,900	26.2	222.1	154,400	31.9	235.2	149,800	175
180	15.6	194.2	151,000	21.6	209.9	148,300	28.2	226.0	143,900	180
185				15.6	193.6	142,400	24.0	215.0	138,200	185
190							18.8	201.2	132,600	190
195							11.4	180.5	127,000	195
200										200
205										205
210										210
215										215
220										220
225										225
230										230

MLC650 S-3

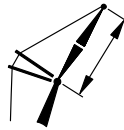
ASME B30.5



881,800 lb

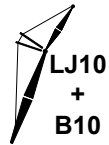


144.4 ft



164.0 ft

	75°			70°			65°			
ft			lb			lb			lb	ft
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115										115
120	64.6	295.6	230,500							120
125	62.6	293.0	220,400							125
130	60.6	290.1	211,200							130
135	58.5	287.0	202,100							135
140	56.4	283.6	192,500							140
145	54.3	279.9	183,600	59.4	284.2	171,500				145
150	52.0	276.0	175,300	57.3	280.9	163,600				150
155	49.7	271.7	167,600	55.1	277.4	156,300				155
160	47.4	267.0	160,300	52.9	273.5	149,400				160
165	44.9	261.9	153,400	50.7	269.4	142,900				165
170	42.3	256.4	147,000	48.3	264.8	136,800	53.6	269.7	126,400	170
175	39.5	250.3	140,900	45.9	259.9	131,100	51.4	265.6	121,000	175
180	36.6	243.5	135,100	43.3	254.6	125,600	49.1	261.2	115,900	180
185	33.4	236.0	129,600	40.6	248.7	120,500	46.6	256.4	111,000	185
190	29.9	227.3	124,400	37.7	242.2	115,500	44.1	251.2	106,400	190
195	26.0	217.3	119,400	34.7	235.0	110,900	41.5	245.5	102,000	195
200	21.4	205.0	114,500	31.3	226.8	106,400	38.7	239.2	97,900	200
205	15.3	188.4	109,800	27.6	217.4	102,100	35.7	232.3	93,900	205
210				23.3	206.1	97,900	32.4	224.4	90,000	210
215				17.9	191.6	93,900	28.8	215.4	86,300	215
220				9.7	168.7	89,700	24.7	204.8	82,700	220
225							19.8	191.6	79,200	225
230							13.0	172.7	75,700	230



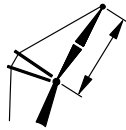
881,800 lb



360°

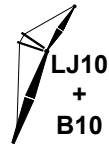


144.4 ft

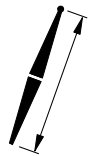


173.9 ft

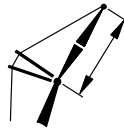
	85°			83°			80°			
ft			lb			lb			lb	ft
75	73.3	319.6	381,400							75
80	71.6	317.9	362,000							80
85	69.8	316.0	343,500	71.6	317.2	342,500				85
90	68.0	313.9	322,000	69.8	315.3	321,100				90
95	66.2	311.6	303,100	68.0	313.3	302,200				95
100	64.4	309.2	286,300	66.2	311.0	285,400	68.9	313.0	284,100	100
105	62.5	306.5	271,200	64.4	308.5	270,300	67.1	310.9	269,100	105
110	60.6	303.6	257,600	62.5	305.9	256,800	65.3	308.5	255,700	110
115	58.7	300.5	245,300	60.6	303.0	244,500	63.5	305.9	243,400	115
120	56.7	297.2	234,100	58.7	299.9	233,400	61.6	303.2	232,300	120
125	54.7	293.6	223,900	56.7	296.6	223,200	59.7	300.2	222,200	125
130	52.6	289.7	214,500	54.7	293.0	213,900	57.7	297.0	212,900	130
135	50.4	285.5	205,900	52.6	289.1	205,300	55.7	293.5	204,300	135
140	48.2	281.0	198,000	50.4	284.9	197,300	53.6	289.8	196,400	140
145	45.9	276.1	190,600	48.2	280.4	190,000	51.5	285.7	189,100	145
150	43.5	270.8	183,800	45.9	275.5	183,200	49.3	281.4	182,300	150
155	41.0	265.0	177,400	43.5	270.2	176,800	47.1	276.7	175,200	155
160	38.3	258.6	171,500	41.0	264.4	170,900	44.7	271.6	167,700	160
165	35.5	251.6	165,900	38.3	258.0	165,400	42.3	266.0	160,700	165
170	32.4	243.8	160,800	35.5	251.0	158,900	39.7	260.0	154,000	170
175	29.0	234.8	155,500	32.4	243.1	152,500	36.9	253.3	147,800	175
180	25.2	224.4	149,400	29.1	234.2	146,500	34.0	245.9	141,900	180
185	20.7	211.8	143,500	25.3	223.8	140,700	30.8	237.5	136,300	185
190	14.9	194.7	137,900	20.8	211.2	135,200	27.2	227.9	130,900	190
195				14.9	194.2	129,900	23.1	216.5	125,600	195
200							18.1	202.1	120,500	200
205							10.7	180.3	115,400	205
210										210
215										215
220										220
225										225
230										230
235										235
240										240



881,800 lb

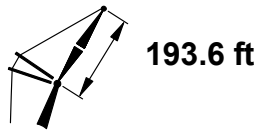
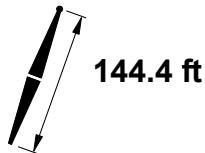
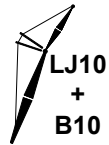


144.4 ft



173.9 ft

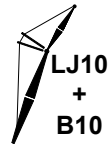
	75°			70°			65°			
ft			lb			lb			lb	ft
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115										115
120										120
125	64.3	304.1	220,600							125
130	62.4	301.5	209,700							130
135	60.5	298.6	199,400							135
140	58.6	295.5	189,900							140
145	56.6	292.1	181,000							145
150	54.6	288.5	172,700	59.4	292.7	160,700				150
155	52.5	284.6	165,000	57.4	289.4	153,400				155
160	50.3	280.4	157,700	55.4	285.9	146,600				160
165	48.1	275.9	150,900	53.3	282.1	140,200				165
170	45.8	270.9	144,500	51.2	278.0	134,100				170
175	43.4	265.6	138,500	49.0	273.6	128,400	54.0	278.2	118,100	175
180	40.9	259.8	132,700	46.7	268.9	123,000	51.9	274.2	113,000	180
185	38.2	253.4	127,300	44.4	263.7	117,900	49.7	269.9	108,200	185
190	35.3	246.3	122,200	41.9	258.1	113,000	47.5	265.3	103,700	190
195	32.3	238.4	117,200	39.3	251.9	108,400	45.1	260.3	99,300	195
200	28.9	229.5	112,500	36.5	245.1	104,000	42.7	254.8	95,200	200
205	25.1	219.0	108,000	33.5	237.6	99,800	40.1	248.8	91,200	205
210	20.5	206.2	103,600	30.3	229.1	95,700	37.4	242.3	87,500	210
215	14.6	188.9	99,300	26.6	219.3	91,800	34.5	235.0	83,800	215
220				22.4	207.5	88,100	31.3	226.8	80,400	220
225				17.2	192.5	84,300	27.8	217.4	77,000	225
230				9.0	168.2	80,500	23.8	206.4	73,700	230
235							19.0	192.6	70,500	235
240							12.3	172.8	67,300	240



	85°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
80	73.5	338.7	355,800							80
85	72.0	337.0	338,800							85
90	70.4	335.1	320,800	72.0	336.3	319,800				90
95	68.8	333.1	301,900	70.4	334.5	301,000				95
100	67.2	331.0	285,100	68.8	332.5	284,200				100
105	65.5	328.7	270,000	67.2	330.4	269,200	69.6	332.2	268,000	105
110	63.9	326.2	256,500	65.6	328.0	255,700	68.0	330.2	254,500	110
115	62.2	323.5	244,200	63.9	325.5	243,400	66.4	327.9	242,300	115
120	60.5	320.6	233,000	62.2	322.8	232,300	64.7	325.5	231,200	120
125	58.8	317.5	222,800	60.5	320.0	222,100	63.1	322.9	221,100	125
130	57.0	314.2	213,500	58.8	316.9	212,800	61.4	320.1	211,800	130
135	55.2	310.7	204,900	57.0	313.6	204,200	59.6	317.1	203,300	135
140	53.3	306.9	196,900	55.2	310.0	196,300	57.9	314.0	195,400	140
145	51.4	302.9	189,500	53.3	306.3	188,900	56.1	310.5	188,100	145
150	49.5	298.5	182,700	51.4	302.2	182,100	54.3	306.9	180,200	150
155	47.4	293.9	176,300	49.5	297.9	175,800	52.4	303.0	172,200	155
160	45.4	288.9	170,400	47.5	293.3	169,800	50.5	298.8	164,900	160
165	43.2	283.5	164,800	45.4	288.3	163,000	48.5	294.3	157,900	165
170	40.9	277.7	159,500	43.2	282.9	156,300	46.4	289.5	151,300	170
175	38.5	271.4	153,100	40.9	277.1	150,000	44.3	284.3	145,100	175
180	36.0	264.5	147,100	38.5	270.8	144,100	42.1	278.8	139,300	180
185	33.3	256.9	141,300	36.0	263.9	138,400	39.7	272.7	133,700	185
190	30.4	248.5	135,900	33.3	256.3	133,000	37.3	266.1	128,500	190
195	27.2	238.9	130,800	30.4	247.9	127,900	34.7	258.9	123,300	195
200	23.6	227.7	125,800	27.2	238.3	123,000	31.9	250.9	118,500	200
205	19.3	214.0	121,000	23.6	227.1	118,400	28.9	241.9	113,800	205
210	13.6	195.5	116,400	19.3	213.4	113,900	25.5	231.6	109,300	210
215				13.6	195.0	109,300	21.5	219.3	105,000	215
220							16.7	203.7	100,700	220
225							9.4	179.7	96,400	225
230										230
235										235
240										240
245										245
250										250
255										255
260										260

MLC650 S-3

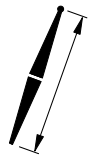
ASME B30.5



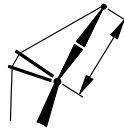
881,800 lb



360°

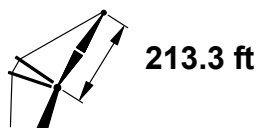
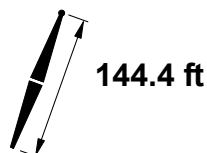


144.4 ft



193.6 ft

	75°			70°			65°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115										115
120										120
125										125
130										130
135	63.8	321.1	195,800							135
140	62.1	318.4	186,300							140
145	60.4	315.5	177,500							145
150	58.7	312.4	169,300							150
155	56.9	309.1	161,600							155
160	55.1	305.6	154,400	59.4	309.6	142,900				160
165	53.2	301.8	147,700	57.6	306.4	136,500				165
170	51.3	297.7	141,300	55.8	302.9	130,500				170
175	49.4	293.4	135,300	54.0	299.2	124,900				175
180	47.4	288.7	129,700	52.1	295.3	119,500				180
185	45.3	283.7	124,300	50.2	291.1	114,500	54.6	295.3	104,500	185
190	43.1	278.4	119,200	48.2	286.6	109,700	52.7	291.5	99,900	190
195	40.8	272.5	114,400	46.1	281.7	105,100	50.8	287.3	95,700	195
200	38.4	266.2	109,800	44.0	276.5	100,800	48.8	282.9	91,600	200
205	35.9	259.3	105,400	41.7	270.8	96,700	46.8	278.2	87,700	205
210	33.2	251.6	101,200	39.4	264.7	92,700	44.6	273.1	84,000	210
215	30.3	243.1	97,200	36.9	258.0	88,900	42.4	267.5	80,500	215
220	27.1	233.5	93,300	34.3	250.7	85,300	40.1	261.6	77,100	220
225	23.4	222.2	89,500	31.5	242.5	81,800	37.7	255.1	73,900	225
230	19.1	208.4	85,900	28.4	233.4	78,500	35.1	248.0	70,800	230
235	13.3	189.6	82,200	24.9	222.8	75,200	32.4	240.1	67,700	235
240				20.9	210.2	72,100	29.4	231.3	64,800	240
245				15.8	193.9	68,900	26.1	221.2	62,000	245
250				7.7	166.8	65,600	22.2	209.3	59,300	250
255							17.6	194.5	56,500	255
260							11.0	172.8	53,700	260



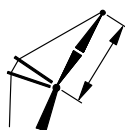
	85°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
85	73.7	357.7	324,700							85
90	72.3	356.1	320,100							90
95	70.8	354.3	303,000	72.3	355.4	302,100				95
100	69.4	352.4	286,200	70.8	353.7	285,300				100
105	68.0	350.3	271,200	69.4	351.7	270,300				105
110	66.5	348.1	257,600	68.0	349.7	256,800				110
115	65.0	345.7	245,300	66.5	347.4	244,600	68.7	349.4	243,500	115
120	63.5	343.1	234,200	65.0	345.1	233,500	67.2	347.3	232,400	120
125	62.0	340.4	224,000	63.5	342.5	223,300	65.7	345.0	222,300	125
130	60.4	337.5	214,600	62.0	339.8	214,000	64.2	342.5	213,000	130
135	58.8	334.5	206,000	60.4	336.9	205,400	62.7	339.9	204,300	135
140	57.2	331.2	198,100	58.8	333.8	197,400	61.2	337.1	194,500	140
145	55.6	327.7	190,700	57.2	330.6	190,100	59.6	334.1	185,500	145
150	53.9	324.0	183,900	55.6	327.1	182,700	58.0	330.9	177,000	150
155	52.2	320.1	177,500	53.9	323.4	174,700	56.4	327.6	169,100	155
160	50.5	315.9	170,600	52.2	319.5	167,200	54.8	324.0	161,700	160
165	48.7	311.5	163,500	50.5	315.3	160,100	53.1	320.2	154,800	165
170	46.8	306.8	156,700	48.7	310.9	153,500	51.3	316.1	148,300	170
175	44.9	301.7	150,400	46.8	306.1	147,100	49.6	311.8	142,200	175
180	42.9	296.3	144,400	44.9	301.1	141,200	47.7	307.2	136,400	180
185	40.9	290.5	138,700	42.9	295.7	135,600	45.9	302.3	130,900	185
190	38.7	284.2	133,300	40.9	289.9	130,300	43.9	297.1	125,700	190
195	36.4	277.4	128,200	38.7	283.6	125,300	41.9	291.5	120,600	195
200	34.1	270.0	123,300	36.5	276.8	120,500	39.8	285.5	115,800	200
205	31.5	261.9	118,600	34.1	269.4	115,900	37.6	279.0	111,200	205
210	28.7	252.8	114,200	31.5	261.3	111,500	35.3	271.9	106,800	210
215	25.6	242.6	110,000	28.7	252.2	107,300	32.8	264.1	102,600	215
220	22.2	230.6	105,900	25.7	242.0	103,300	30.1	255.6	98,600	220
225	18.0	216.0	102,000	22.2	230.0	99,200	27.2	245.9	94,700	225
230	12.5	196.0	98,000	18.0	215.4	95,300	24.0	234.9	91,000	230
235				12.5	195.5	91,400	20.2	221.8	87,400	235
240							15.5	205.1	83,800	240
245							8.3	178.6	80,100	245
250										250
255										255
260										260
265										265
270										270
275										275
280										280



881,800 lb

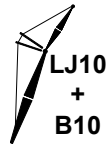


144.4 ft



213.3 ft

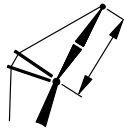
	75°			70°			65°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
85										85
90										90
95										95
100										100
105										105
110										110
115										115
120										120
125										125
130										130
135										135
140	64.9	340.6	182,800							140
145	63.4	338.1	174,000							145
150	61.9	335.4	165,800							150
155	60.3	332.5	158,200							155
160	58.8	329.4	151,000							160
165	57.2	326.1	144,300							165
170	55.5	322.6	138,000	59.4	326.6	126,800				170
175	53.8	318.9	132,000	57.8	323.4	121,200				175
180	52.1	315.0	126,400	56.2	320.0	115,900				180
185	50.4	310.8	121,100	54.5	316.4	110,900				185
190	48.6	306.4	116,100	52.8	312.5	106,200				190
195	46.7	301.6	111,300	51.1	308.4	101,700				195
200	44.8	296.5	106,700	49.3	304.1	97,400	53.4	308.7	87,900	200
205	42.8	291.1	102,400	47.5	299.5	93,300	51.6	304.6	84,100	205
210	40.8	285.3	98,300	45.6	294.5	89,400	49.9	300.4	80,400	210
215	38.6	279.0	94,300	43.6	289.2	85,700	48.1	295.8	77,000	215
220	36.3	272.2	90,500	41.6	283.6	82,200	46.2	291.0	73,600	220
225	33.9	264.7	86,900	39.5	277.5	78,800	44.3	285.8	70,400	225
230	31.4	256.6	83,400	37.3	270.9	75,500	42.2	280.3	67,400	230
235	28.6	247.5	80,000	34.9	263.7	72,300	40.2	274.3	64,500	235
240	25.5	237.1	76,800	32.4	255.8	69,300	38.0	267.9	61,600	240
245	22.0	225.1	73,600	29.7	247.1	66,400	35.7	260.9	58,900	245
250	17.8	210.3	70,500	26.8	237.3	63,600	33.2	253.3	56,300	250
255	12.2	190.0	67,400	23.4	226.0	60,800	30.6	244.9	53,700	255
260				19.6	212.5	58,100	27.7	235.5	51,300	260
265				14.7	195.0	55,400	24.5	224.7	48,900	265
270				6.4	164.6	52,500	20.9	212.0	46,500	270
275							16.4	196.1	44,100	275
280							9.9	172.4	41,700	280



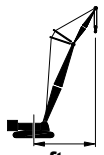
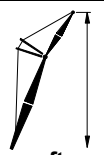
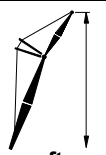
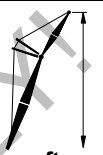
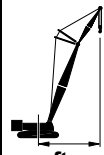
881,800 lb



144.4 ft



232.9 ft

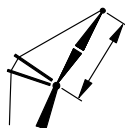
	 85°			 83°			 80°			
 ft		 ft	 lb		 ft	 lb		 ft	 lb	 ft
90	73.8	376.8	274,400							90
95	72.5	375.2	273,500							95
100	71.2	373.4	272,400	72.5	374.5	269,500				100
105	69.9	371.5	270,900	71.2	372.8	269,200				105
110	68.6	369.5	257,400	69.9	370.9	256,700				110
115	67.3	367.4	245,200	68.6	368.9	244,500				115
120	65.9	365.1	234,100	67.3	366.8	233,300	69.3	368.6	232,300	120
125	64.5	362.7	223,900	65.9	364.5	223,200	67.9	366.6	222,200	125
130	63.1	360.1	214,500	64.5	362.1	213,900	66.6	364.4	212,300	130
135	61.7	357.4	205,900	63.2	359.5	205,300	65.2	362.0	201,800	135
140	60.3	354.5	198,000	61.8	356.8	197,400	63.8	359.5	192,100	140
145	58.9	351.4	190,600	60.3	353.9	189,000	62.5	356.8	183,000	145
150	57.4	348.2	183,800	58.9	350.8	180,400	61.0	354.0	174,600	150
155	55.9	344.8	176,000	57.4	347.6	172,400	59.6	351.1	166,800	155
160	54.4	341.1	168,400	55.9	344.1	164,900	58.2	347.9	159,400	160
165	52.9	337.3	161,300	54.4	340.5	157,900	56.7	344.6	152,500	165
170	51.3	333.3	154,600	52.9	336.7	151,200	55.2	341.1	146,000	170
175	49.7	329.0	148,200	51.3	332.6	145,000	53.6	337.3	139,900	175
180	48.0	324.4	142,300	49.7	328.3	139,200	52.1	333.4	134,200	180
185	46.3	319.6	136,700	48.0	323.8	133,500	50.5	329.2	128,700	185
190	44.5	314.5	131,300	46.3	319.0	128,300	48.8	324.8	123,500	190
195	42.7	309.0	126,200	44.5	313.9	123,200	47.1	320.1	118,700	195
200	40.8	303.2	121,400	42.7	308.4	118,500	45.4	315.2	114,000	200
205	38.9	297.0	116,800	40.8	302.6	114,000	43.6	309.9	109,400	205
210	36.8	290.3	112,400	38.9	296.4	109,700	41.8	304.2	105,100	210
215	34.6	283.0	108,300	36.8	289.7	105,500	39.9	298.2	100,900	215
220	32.3	275.2	104,300	34.6	282.4	101,600	37.8	291.8	97,000	220
225	29.9	266.5	100,400	32.4	274.6	97,800	35.7	284.8	93,200	225
230	27.2	256.9	96,800	29.9	265.9	94,100	33.5	277.3	89,500	230
235	24.3	246.0	93,200	27.2	256.3	90,500	31.1	269.0	86,000	235
240	20.9	233.3	89,800	24.3	245.4	87,000	28.6	259.9	82,700	240
245	16.9	217.7	86,300	20.9	232.7	83,600	25.8	249.7	79,400	245
250	11.5	196.2	82,800	16.9	217.2	80,300	22.7	238.0	76,200	250
255				11.5	195.7	76,900	19.0	224.1	73,100	255
260							14.4	206.2	70,100	260
265							7.1	176.9	66,900	265
270										270
275										275
280										280
285										285
290										290
300										300



881,800 lb

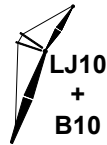


144.4 ft



232.9 ft

	75°			70°			65°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
90										90
95										95
100										100
105										105
110										110
115										115
120										120
125										125
130										130
135										135
140										140
145										145
150	64.5	357.6	163,400							150
155	63.1	355.1	155,700							155
160	61.7	352.3	148,600							160
165	60.3	349.4	141,900							165
170	58.8	346.4	135,700							170
175	57.4	343.1	129,700							175
180	55.9	339.7	124,100	59.4	343.5	113,400				180
185	54.3	336.0	118,900	57.9	340.3	108,400				185
190	52.8	332.2	113,900	56.5	337.0	103,700				190
195	51.2	328.1	109,100	54.9	333.4	99,200				195
200	49.6	323.8	104,600	53.4	329.7	95,000				200
205	47.9	319.3	100,300	51.8	325.7	91,000				205
210	46.2	314.5	96,200	50.2	321.5	87,100	53.9	325.8	77,900	210
215	44.5	309.3	92,300	48.6	317.0	83,400	52.3	321.9	74,400	215
220	42.6	303.9	88,500	46.9	312.3	79,900	50.7	317.8	71,100	220
225	40.7	298.0	85,000	45.2	307.3	76,600	49.1	313.4	68,000	225
230	38.8	291.8	81,500	43.4	302.0	73,300	47.4	308.7	65,000	230
235	36.7	285.0	78,300	41.5	296.3	70,200	45.7	303.8	62,100	235
240	34.5	277.8	75,100	39.6	290.2	67,300	43.9	298.6	59,300	240
245	32.2	269.9	72,000	37.5	283.7	64,400	42.1	293.0	56,600	245
250	29.8	261.2	69,100	35.4	276.6	61,700	40.2	287.1	54,100	250
255	27.1	251.5	66,200	33.2	269.0	59,000	38.2	280.7	51,600	255
260	24.1	240.5	63,500	30.8	260.6	56,400	36.1	273.8	49,200	260
265	20.8	227.8	60,800	28.2	251.4	53,900	33.9	266.4	46,900	265
270	16.7	212.0	58,100	25.3	241.0	51,500	31.5	258.3	44,700	270
275	11.2	190.1	55,400	22.1	229.0	49,100	29.0	249.3	42,500	275
280				18.4	214.6	46,800	26.3	239.3	40,300	280
285				13.6	195.9	44,500	23.2	227.9	38,300	285
290				5.0	161.4	41,900	19.7	214.4	36,200	290
300							8.8	171.6	32,000	300



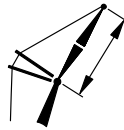
881,800 lb



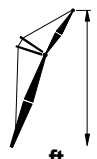
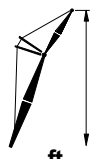
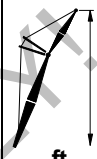
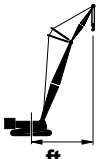
360°

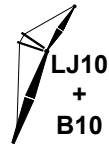


144.4 ft

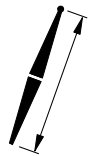


252.6 ft

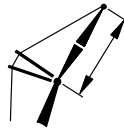
	 85°			 83°			 80°			
 ft		 ft	 lb		 ft	 lb		 ft	 lb	 ft
95	73.9	395.8	233,800							95
100	72.7	394.2	232,800							100
105	71.5	392.5	231,900	72.8	393.6	229,500				105
110	70.3	390.7	230,800	71.6	391.9	229,000				110
115	69.1	388.8	229,700	70.3	390.1	228,400				115
120	67.9	386.7	228,500	69.1	388.1	227,800				120
125	66.7	384.5	223,900	67.9	386.1	223,200	69.7	387.8	220,000	125
130	65.4	382.2	214,600	66.7	383.9	213,900	68.5	385.8	208,700	130
135	64.1	379.7	206,000	65.4	381.5	204,600	67.3	383.7	198,300	135
140	62.9	377.1	198,000	64.1	379.1	194,800	66.0	381.4	188,700	140
145	61.6	374.3	189,400	62.9	376.5	185,600	64.8	379.0	179,600	145
150	60.3	371.4	180,800	61.6	373.7	177,200	63.5	376.5	171,200	150
155	58.9	368.4	172,800	60.3	370.8	169,200	62.2	373.8	163,500	155
160	57.6	365.2	165,200	58.9	367.8	161,700	60.9	371.0	156,100	160
165	56.2	361.8	158,100	57.6	364.5	154,700	59.6	368.0	149,300	165
170	54.8	358.2	151,500	56.2	361.2	148,100	58.3	364.9	142,700	170
175	53.4	354.5	145,200	54.8	357.6	141,900	56.9	361.6	136,700	175
180	52.0	350.5	139,300	53.4	353.8	136,000	55.5	358.1	130,900	180
185	50.5	346.4	133,600	52.0	349.9	130,500	54.1	354.4	125,500	185
190	49.0	342.0	128,300	50.5	345.7	125,200	52.7	350.6	120,300	190
195	47.4	337.3	123,200	49.0	341.3	120,200	51.2	346.5	115,400	195
200	45.8	332.4	118,500	47.4	336.7	115,500	49.7	342.3	110,700	200
205	44.2	327.3	113,900	45.8	331.8	111,000	48.2	337.8	106,200	205
210	42.5	321.8	109,500	44.2	326.6	106,700	46.6	333.0	101,900	210
215	40.8	316.0	105,400	42.5	321.2	102,600	45.0	328.0	97,700	215
220	39.0	309.8	101,500	40.8	315.3	98,700	43.4	322.6	93,800	220
225	37.1	303.1	97,600	39.0	309.1	94,900	41.7	317.0	90,100	225
230	35.1	296.0	94,100	37.1	302.5	91,300	39.9	311.0	86,500	230
235	33.0	288.3	90,600	35.1	295.4	87,700	38.0	304.6	83,000	235
240	30.8	280.0	87,100	33.1	287.7	84,300	36.1	297.7	79,700	240
245	28.5	270.8	83,900	30.9	279.4	81,000	34.1	290.3	76,500	245
250	25.9	260.7	80,700	28.5	270.2	77,800	32.0	282.3	73,400	250
255	23.1	249.2	77,500	25.9	260.1	74,700	29.7	273.6	70,500	255
260	19.8	235.7	74,400	23.1	248.6	71,700	27.2	264.0	67,600	260
265	15.9	219.2	71,400	19.8	235.2	68,800	24.5	253.2	64,800	265
270	10.5	196.1	68,300	15.9	218.7	65,900	21.5	240.8	62,100	270
275				10.6	195.6	63,000	18.0	226.1	59,400	275
280							13.5	207.0	56,800	280
285							6.1	174.6	53,900	285
290										290
300										300
310										310
320										320



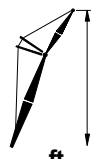
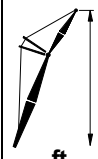
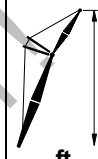
881,800 lb

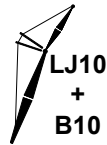


144.4 ft



252.6 ft

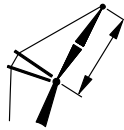
	 75°			 70°			 65°			
 ft		 ft	 lb		 ft	 lb		 ft	 lb	 ft
95										95
100										100
105										105
110										110
115										115
120										120
125										125
130										130
135										135
140										140
145										145
150										150
155										155
160	64.1	374.6	144,800							160
165	62.8	372.0	138,200							165
170	61.5	369.3	131,900							170
175	60.2	366.4	126,000							175
180	58.9	363.3	120,500							180
185	57.5	360.1	115,200							185
190	56.2	356.7	110,200	59.4	360.5	99,800				190
195	54.8	353.1	105,500	58.1	357.3	95,400				195
200	53.3	349.4	101,000	56.7	354.0	91,200				200
205	51.9	345.4	96,800	55.3	350.5	87,200				205
210	50.4	341.2	92,700	53.9	346.8	83,300				210
215	48.9	336.8	88,800	52.5	342.9	79,700				215
220	47.4	332.2	85,100	51.0	338.8	76,200	54.4	342.9	67,200	220
225	45.8	327.3	81,600	49.5	334.5	72,900	52.9	339.1	64,100	225
230	44.1	322.1	78,200	48.0	330.0	69,700	51.5	335.0	61,100	230
235	42.5	316.6	74,900	46.4	325.2	66,700	50.0	330.8	58,300	235
240	40.7	310.8	71,800	44.8	320.1	63,700	48.5	326.3	55,500	240
245	38.9	304.5	68,800	43.1	314.7	60,900	46.9	321.6	52,900	245
250	37.0	297.9	65,900	41.4	309.0	58,200	45.3	316.6	50,400	250
255	35.0	290.8	63,100	39.6	303.0	55,600	43.7	311.4	47,900	255
260	33.0	283.1	60,400	37.8	296.5	53,100	42.0	305.8	45,600	260
265	30.7	274.7	57,800	35.8	289.6	50,600	40.2	299.8	43,300	265
270	28.4	265.5	55,300	33.8	282.1	48,300	38.4	293.5	41,100	270
275	25.8	255.3	52,900	31.6	274.0	46,000	36.4	286.7	39,000	275
280	22.9	243.7	50,500	29.3	265.2	43,800	34.4	279.4	37,000	280
285	19.7	230.2	48,100	26.8	255.4	41,700	32.3	271.5	35,000	285
290	15.7	213.5	45,800	24.1	244.4	39,600	30.1	262.9	33,000	290
300				17.4	216.5	35,500	25.0	242.9	29,300	300
310				3.5	156.2	31,000	18.6	216.5	25,700	310
320							7.9	170.4	21,900	320



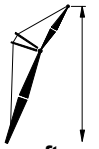
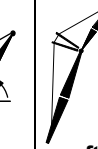
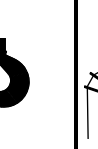
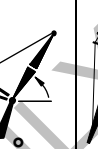
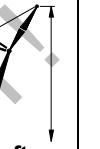
881,800 lb

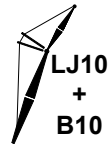


144.4 ft

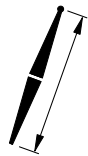


272.3 ft

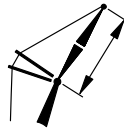
	85°			83°			80°			
										
	ft	ft	ft	lb	ft	lb	ft	lb	ft	
100	74.0	414.9	200,900							100
105	72.9	413.3	200,000							105
110	71.8	411.6	199,100							110
115	70.7	409.8	198,100	72.9	412.7	197,400				115
120	69.6	407.9	197,000	71.8	411.0	196,800				120
				70.7	409.2	196,200				
125	68.4	405.9	195,900	69.6	407.3	195,500				125
130	67.3	403.8	195,900	68.5	405.3	194,800				130
135	66.1	401.6	193,600	67.3	403.2	194,000	69.0	405.0	189,700	135
140	65.0	399.2	192,400	66.2	400.9	192,500	67.9	403.0	186,500	140
145	63.8	396.7	187,200	65.0	398.6	183,500	66.7	400.8	177,500	145
150	62.6	394.1	178,700	63.8	396.1	175,000	65.6	398.5	169,200	150
155	61.4	391.3	170,700	62.6	393.4	167,100	64.4	396.0	161,400	155
160	60.2	388.4	163,200	61.4	390.7	159,700	63.2	393.5	154,100	160
165	59.0	385.4	156,200	60.2	387.8	152,700	62.0	390.8	147,200	165
170	57.7	382.2	149,600	59.0	384.7	146,200	60.8	387.9	140,700	170
175	56.5	378.8	143,300	57.7	381.5	140,000	59.6	385.0	134,700	175
180	55.2	375.3	137,400	56.5	378.2	134,200	58.3	381.8	129,000	180
185	53.9	371.6	131,800	55.2	374.7	128,700	57.1	378.6	123,600	185
190	52.5	367.7	126,500	53.9	371.0	123,400	55.8	375.1	118,300	190
195	51.2	363.7	121,500	52.5	367.1	118,500	54.5	371.5	113,400	195
200	49.8	359.4	116,700	51.2	363.0	113,800	53.2	367.8	108,600	200
205	48.4	354.9	112,200	49.8	358.8	109,200	51.9	363.8	104,100	205
210	46.9	350.2	107,900	48.4	354.3	105,000	50.5	359.6	99,900	210
215	45.5	345.3	103,800	46.9	349.6	100,900	49.1	355.3	95,800	215
220	43.9	340.0	99,800	45.5	344.6	97,000	47.7	350.7	91,900	220
225	42.4	334.5	96,100	43.9	339.4	93,300	46.2	345.8	88,100	225
230	40.8	328.7	92,400	42.4	333.9	89,600	44.7	340.8	84,600	230
235	39.1	322.5	88,900	40.8	328.1	86,100	43.2	335.4	81,200	235
240	37.3	316.0	85,600	39.1	321.9	82,700	41.6	329.7	77,900	240
245	35.5	308.9	82,400	37.4	315.3	79,400	39.9	323.7	74,700	245
250	33.6	301.4	79,300	35.5	308.3	76,300	38.2	317.4	71,700	250
255	31.6	293.3	76,200	33.6	300.8	73,200	36.5	310.6	68,800	255
260	29.5	284.6	73,200	31.6	292.7	70,300	34.6	303.3	66,000	260
265	27.2	274.9	70,300	29.5	283.9	67,500	32.6	295.5	63,300	265
270	24.7	264.2	67,500	27.2	274.3	64,800	30.6	287.1	60,600	270
275	22.0	252.1	64,800	24.7	263.6	62,100	28.4	277.9	58,100	275
280	18.8	238.0	62,100	22.0	251.5	59,600	26.0	267.8	55,600	280
285	15.0	220.5	59,500	18.8	237.4	57,000	23.4	256.4	53,200	285
290	9.7	195.7	56,800	15.0	219.9	54,500	20.5	243.4	50,900	290
300							12.6	207.6	46,200	300
310										310
320										320



881,800 lb

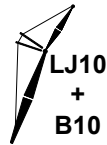


144.4 ft



272.3 ft

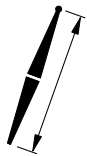
	75°			70°			65°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
100										100
105										105
110										110
115										115
120										120
125										125
130										130
135										135
140										140
145										145
150										150
155										155
160										160
165	64.9	394.1	135,600							165
170	63.8	391.6	129,400							170
175	62.6	389.0	123,600							175
180	61.4	386.2	118,000							180
185	60.1	383.3	112,800							185
190	58.9	380.3	107,900							190
195	57.7	377.1	103,200							195
200	56.4	373.7	98,700	59.4	377.4	88,600				200
205	55.1	370.2	94,500	58.2	374.3	84,600				205
210	53.8	366.5	90,400	56.9	371.0	80,800				210
215	52.5	362.6	86,600	55.6	367.5	77,200				215
220	51.1	358.5	82,900	54.3	363.9	73,800				220
225	49.7	354.3	79,400	53.0	360.1	70,500				225
230	48.3	349.8	76,000	51.7	356.1	67,300	54.7	360.0	58,500	230
235	46.9	345.1	72,800	50.3	351.9	64,300	53.4	356.2	55,700	235
240	45.4	340.1	69,700	48.9	347.5	61,400	52.1	352.3	53,000	240
245	43.9	334.9	66,800	47.4	342.9	58,600	50.7	348.2	50,400	245
250	42.3	329.3	63,900	46.0	338.0	56,000	49.3	343.8	47,900	250
255	40.7	323.5	61,200	44.5	332.9	53,400	47.9	339.3	45,500	255
260	39.0	317.3	58,500	42.9	327.5	50,900	46.4	334.5	43,200	260
265	37.3	310.7	56,000	41.3	321.8	48,500	45.0	329.4	41,000	265
270	35.5	303.7	53,500	39.7	315.7	46,200	43.4	324.1	38,800	270
275	33.6	296.2	51,100	38.0	309.3	44,000	41.8	318.5	36,700	275
280	31.5	288.0	48,800	36.2	302.5	41,800	40.2	312.6	34,700	280
285	29.4	279.2	46,600	34.3	295.1	39,800	38.5	306.3	32,800	285
290	27.1	269.5	44,400	32.4	287.3	37,700	36.7	299.6	30,900	290
300	21.9	246.6	40,200	28.0	269.4	33,800	33.0	284.7	27,300	300
310	14.8	214.7	36,100	23.0	247.5	30,100	28.8	267.3	23,900	310
320				16.4	218.1	26,600	23.9	246.2	20,600	320



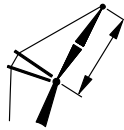
881,800 lb



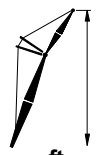
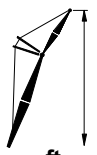
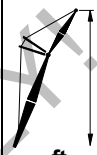
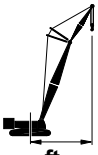
360°



144.4 ft



292.0 ft

	 85°			 83°			 80°			
 ft		 ft	 lb		 ft	 lb		 ft	 lb	 ft
105	74.1	433.9	168,800							105
110	73.1	432.4	167,900							110
115	72.1	430.7	167,000							115
120	71.0	429.0	166,000	72.1	430.1	165,000				120
125	70.0	427.1	165,000	71.0	428.3	164,300				125
130	68.9	425.2	163,900	70.0	426.5	163,500				130
135	67.9	423.1	162,900	68.9	424.5	162,700				135
140	66.8	420.9	161,800	67.9	422.5	161,900	69.4	424.2	158,400	140
145	65.7	418.6	160,700	66.8	420.3	161,000	68.4	422.2	158,000	145
150	64.6	416.2	159,600	65.7	418.0	160,100	67.3	420.1	157,600	150
155	63.5	413.7	158,500	64.6	415.6	159,200	66.2	417.8	157,100	155
160	62.4	411.0	157,300	63.5	413.0	155,800	65.2	415.5	150,200	160
165	61.3	408.3	152,400	62.4	410.4	148,900	64.1	413.0	143,300	165
170	60.2	405.4	145,800	61.3	407.6	142,400	63.0	410.4	136,900	170
175	59.0	402.3	139,600	60.2	404.7	136,200	61.9	407.7	130,900	175
180	57.8	399.1	133,700	59.0	401.7	130,400	60.7	404.9	125,200	180
185	56.7	395.8	128,200	57.8	398.5	124,900	59.6	401.9	119,800	185
190	55.5	392.3	122,900	56.7	395.2	119,700	58.4	398.8	114,600	190
195	54.3	388.7	117,900	55.5	391.7	114,800	57.3	395.6	109,600	195
200	53.0	384.9	113,200	54.3	388.1	110,100	56.1	392.2	104,900	200
205	51.8	380.9	108,600	53.0	384.3	105,600	54.9	388.6	100,400	205
210	50.5	376.8	104,300	51.8	380.3	101,300	53.6	384.9	96,200	210
215	49.2	372.4	100,200	50.5	376.1	97,300	52.4	381.0	92,100	215
220	47.9	367.9	96,300	49.2	371.8	93,400	51.1	376.9	88,200	220
225	46.5	363.1	92,500	47.9	367.2	89,700	49.8	372.7	84,500	225
230	45.1	358.1	88,900	46.5	362.5	86,100	48.5	368.2	81,000	230
235	43.7	352.8	85,400	45.1	357.5	82,600	47.2	363.6	77,600	235
240	42.2	347.3	82,200	43.7	352.2	79,200	45.8	358.7	74,300	240
245	40.7	341.4	79,000	42.2	346.7	76,000	44.4	353.6	71,200	245
250	39.2	335.3	75,900	40.7	340.8	72,900	43.0	348.2	68,200	250
255	37.6	328.8	72,900	39.2	334.7	69,900	41.5	342.5	65,300	255
260	35.9	321.9	69,900	37.6	328.2	67,000	40.0	336.5	62,500	260
265	34.1	314.5	67,100	35.9	321.2	64,200	38.4	330.2	59,800	265
270	32.3	306.6	64,300	34.1	313.9	61,500	36.7	323.4	57,200	270
275	30.4	298.1	61,700	32.3	306.0	58,900	35.0	316.3	54,700	275
280	28.3	288.9	59,100	30.4	297.5	56,400	33.2	308.7	52,300	280
285	26.1	278.8	56,600	28.3	288.3	54,000	31.3	300.5	49,900	285
290	23.7	267.5	54,200	26.1	278.2	51,600	29.4	291.6	47,700	290
300	17.9	240.0	49,500	21.0	254.2	47,100	24.9	271.4	43,300	300
310	8.9	195.0	44,800	14.2	221.0	42,600	19.5	245.8	39,100	310
320							11.9	208.0	35,000	320
330										330



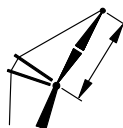
881,800 lb



360°

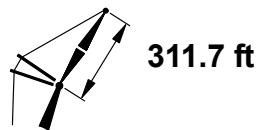
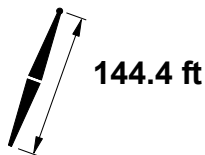
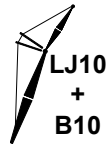


144.4 ft



292.0 ft

	75°			70°			65°			
										
	ft	ft	lb	ft	ft	lb	ft	lb	ft	ft
105										105
110										110
115										115
120										120
125										125
130										130
135										135
140										140
145										145
150										150
155										155
160										160
165										165
170										170
175	64.6	411.2	119,500							175
180	63.5	408.6	114,000							180
185	62.4	406.0	108,800							185
190	61.2	403.2	103,900							190
195	60.1	400.3	99,200							195
200	59.0	397.2	94,700							200
205	57.8	394.1	90,500							205
210	56.6	390.7	86,500	59.4	394.4	76,700				210
215	55.4	387.2	82,700	58.3	391.3	73,100				215
220	54.2	383.6	79,000	57.1	388.0	69,700				220
225	53.0	379.8	75,500	55.9	384.6	66,400				225
230	51.7	375.8	72,200	54.7	381.0	63,300				230
235	50.4	371.6	69,000	53.5	377.2	60,300				235
240	49.1	367.3	65,900	52.2	373.3	57,400				240
245	47.8	362.7	63,000	50.9	369.2	54,700	53.8	373.3	46,200	245
250	46.5	357.9	60,200	49.7	365.0	52,000	52.6	369.5	43,800	250
255	45.1	352.9	57,400	48.3	360.5	49,500	51.3	365.5	41,400	255
260	43.6	347.6	54,800	47.0	355.8	47,000	50.1	361.2	39,100	260
265	42.2	342.1	52,300	45.6	350.9	44,600	48.8	356.8	36,900	265
270	40.7	336.3	49,900	44.2	345.7	42,400	47.4	352.2	34,800	270
275	39.1	330.1	47,500	42.8	340.3	40,200	46.1	347.3	32,700	275
280	37.5	323.5	45,200	41.3	334.5	38,000	44.7	342.2	30,800	280
285	35.8	316.6	43,000	39.7	328.5	36,000	43.2	336.9	28,800	285
290	34.1	309.2	40,900	38.1	322.1	34,000	41.7	331.3	27,000	290
300	30.3	292.8	36,800	34.8	308.1	30,200	38.6	319.1	23,500	300
310	26.0	273.4	33,000	31.1	292.1	26,600	35.3	305.3	20,100	310
320	20.9	249.3	29,300	26.9	273.4	23,200				320
330	14.0	215.7	25,700	22.0	250.5	20,000				330



	85°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
110	74.2	453.0	144,800							110
115	73.2	451.4	143,900							115
120	72.3	449.8	143,000							120
125	71.3	448.1	142,100	72.3	449.2	141,300				125
130	70.3	446.3	141,200	71.3	447.5	140,600				130
135	69.3	444.3	140,200	70.3	445.6	139,800				135
140	68.3	442.3	139,200	69.3	443.7	139,100				140
145	67.3	440.2	138,300	68.3	441.7	138,300	69.8	443.4	135,400	145
150	66.3	438.0	137,300	67.3	439.6	137,500	68.8	441.4	134,900	150
155	65.3	435.7	136,300	66.3	437.4	136,600	67.8	439.4	134,400	155
160	64.3	433.2	135,300	65.3	435.0	135,800	66.8	437.2	133,900	160
165	63.3	430.7	134,300	64.3	432.6	135,000	65.8	434.9	133,400	165
170	62.2	428.0	133,300	63.3	430.0	134,100	64.8	432.5	132,800	170
175	61.2	425.2	132,300	62.2	427.4	133,300	63.8	430.0	128,700	175
180	60.1	422.3	131,300	61.2	424.6	128,300	62.7	427.4	123,000	180
185	59.0	419.3	126,000	60.1	421.7	122,800	61.7	424.7	117,600	185
190	57.9	416.1	120,800	59.0	418.6	117,700	60.6	421.8	112,400	190
195	56.8	412.8	115,800	58.0	415.5	112,700	59.6	418.9	107,500	195
200	55.7	409.4	111,100	56.9	412.2	108,100	58.5	415.8	102,800	200
205	54.6	405.8	106,600	55.7	408.7	103,600	57.4	412.5	98,300	205
210	53.5	402.0	102,400	54.6	405.2	99,400	56.3	409.2	94,100	210
215	52.3	398.1	98,300	53.5	401.4	95,300	55.2	405.7	90,000	215
220	51.1	394.1	94,300	52.3	397.5	91,500	54.0	402.0	86,100	220
225	49.9	389.8	90,600	51.1	393.5	87,800	52.9	398.2	82,500	225
230	48.7	385.4	87,000	49.9	389.2	84,200	51.7	394.2	78,900	230
235	47.4	380.8	83,600	48.7	384.8	80,700	50.5	390.0	75,500	235
240	46.1	375.9	80,300	47.4	380.2	77,300	49.3	385.7	72,300	240
245	44.8	370.9	77,200	46.1	375.3	74,100	48.0	381.2	69,200	245
250	43.5	365.6	74,200	44.8	370.3	71,000	46.8	376.5	66,200	250
255	42.1	360.0	71,200	43.5	365.0	68,100	45.5	371.5	63,300	255
260	40.7	354.2	68,200	42.1	359.4	65,200	44.2	366.3	60,600	260
265	39.3	348.1	65,400	40.7	353.6	62,400	42.8	360.9	57,900	265
270	37.7	341.6	62,700	39.3	347.4	59,800	41.4	355.2	55,300	270
275	36.2	334.7	60,100	37.8	341.0	57,200	40.0	349.2	52,800	275
280	34.6	327.5	57,500	36.2	334.1	54,700	38.5	342.9	50,500	280
285	32.9	319.8	55,100	34.6	326.9	52,300	37.0	336.3	48,100	285
290	31.1	311.5	52,700	32.9	319.1	50,000	35.4	329.2	45,900	290
300	27.2	292.9	48,100	29.2	302.0	45,600	32.0	313.8	41,600	300
310	22.7	270.7	43,800	25.1	281.8	41,400	28.2	295.9	37,600	310
320	17.1	241.8	39,700	20.1	256.8	37,300	23.9	274.8	33,800	320
330	8.1	193.9	35,500	13.5	221.9	33,400	18.7	248.0	30,100	330
340							11.1	208.1	26,400	340



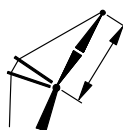
881,800 lb



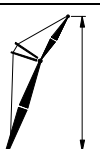
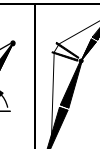
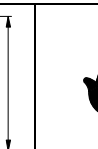
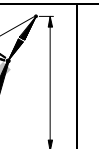
360°

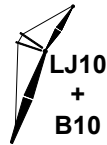


144.4 ft



311.7 ft

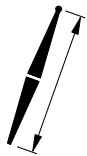
	75°			70°			65°			
										
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
110										110
115										115
120										120
125										125
130										130
135										135
140										140
145										145
150										150
155										155
160										160
165										165
170										170
175										175
180										180
185	64.3	428.2	106,400							185
190	63.2	425.6	101,500							190
195	62.2	422.9	96,800							195
200	61.1	420.2	92,400							200
205	60.1	417.2	88,200							205
210	59.0	414.2	84,200							210
215	57.9	411.0	80,400							215
220	56.8	407.7	76,800	59.4	411.3	67,200				220
225	55.7	404.3	73,300	58.3	408.2	64,000				225
230	54.6	400.7	70,000	57.2	405.0	60,800				230
235	53.4	396.9	66,800	56.1	401.6	57,900				235
240	52.2	393.0	63,700	55.0	398.1	55,000				240
245	51.1	389.0	60,800	53.9	394.4	52,300				245
250	49.8	384.7	58,000	52.7	390.5	49,700				250
255	48.6	380.3	55,300	51.5	386.5	47,100	54.2	390.4	38,900	255
260	47.4	375.6	52,700	50.3	382.3	44,700	53.1	386.7	36,600	260
265	46.1	370.8	50,200	49.1	378.0	42,400	51.9	382.7	34,400	265
270	44.8	365.7	47,800	47.9	373.4	40,100	50.7	378.6	32,300	270
275	43.4	360.4	45,400	46.6	368.7	37,900	49.5	374.3	30,300	275
280	42.1	354.8	43,200	45.3	363.7	35,800	48.3	369.8	28,400	280
285	40.6	349.0	41,000	44.0	358.5	33,800	47.0	365.1	26,500	285
290	39.2	342.8	38,900	42.6	353.0	31,800	45.7	360.2	24,600	290
300	36.1	329.5	34,900	39.8	341.2	28,100	43.0	349.7	21,200	300
310	32.8	314.5	31,100	36.7	328.2	24,600				310
320	29.1	297.2	27,600	33.5	313.5	21,200				320
330	25.0	277.0	24,200	29.9	296.8	18,100				330
340	20.0	251.8	20,900							340



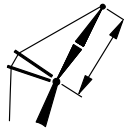
881,800 lb



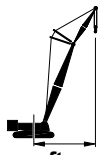
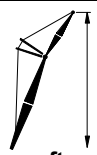
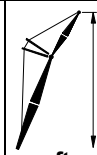
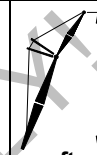
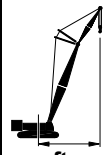
360°



144.4 ft

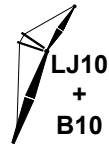


331.4 ft

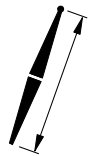
	 85°			 83°			 80°			
 ft		 ft	 lb		 ft	 lb		 ft	 lb	 ft
115	74.3	472.0	123,700							115
120	73.4	470.5	122,600							120
125	72.4	468.9	121,800							125
130	71.5	467.2	120,900	72.5	468.3	120,300				130
135	70.6	465.4	120,100	71.5	466.6	119,600				135
140	69.7	463.5	119,200	70.6	464.8	118,900				140
145	68.8	461.6	118,300	69.7	462.9	118,100				145
150	67.8	459.5	117,400	68.8	460.9	117,400				150
155	66.9	457.3	116,500	67.8	458.9	116,600	69.2	460.6	114,400	155
160	65.9	455.1	115,600	66.9	456.7	115,900	68.3	458.6	113,900	160
165	65.0	452.7	114,700	65.9	454.4	115,100	67.4	456.5	113,400	165
170	64.0	450.2	113,800	65.0	452.1	114,300	66.4	454.3	112,900	170
175	63.0	447.6	112,900	64.0	449.6	113,500	65.5	452.0	112,300	175
180	62.1	445.0	112,000	63.0	447.0	112,700	64.5	449.5	111,800	180
185	61.1	442.2	111,100	62.1	444.3	111,900	63.5	447.0	111,200	185
190	60.1	439.3	110,300	61.1	441.5	111,200	62.6	444.4	108,800	190
195	59.1	436.2	109,400	60.1	438.6	109,200	61.6	441.7	103,800	195
200	58.0	433.1	107,600	59.1	435.6	104,500	60.6	438.8	99,100	200
205	57.0	429.8	103,200	58.0	432.5	100,100	59.6	435.8	94,700	205
210	56.0	426.4	98,900	57.0	429.2	95,900	58.6	432.7	90,400	210
215	54.9	422.8	94,900	56.0	425.8	91,900	57.5	429.5	86,400	215
220	53.8	419.2	90,900	54.9	422.2	88,000	56.5	426.2	82,600	220
225	52.7	415.3	87,300	53.8	418.5	84,400	55.4	422.7	78,900	225
230	51.6	411.3	83,700	52.7	414.7	80,800	54.4	419.1	75,400	230
235	50.5	407.2	80,300	51.6	410.7	77,300	53.3	415.3	72,000	235
240	49.4	402.9	77,100	50.5	406.6	73,900	52.2	411.4	68,800	240
245	48.2	398.4	73,800	49.4	402.2	70,700	51.1	407.4	65,700	245
250	47.0	393.7	70,900	48.2	397.7	67,600	49.9	403.1	62,700	250
255	45.8	388.8	67,800	47.0	393.1	64,700	48.8	398.7	59,800	255
260	44.6	383.7	64,900	45.8	388.2	61,800	47.6	394.1	57,100	260
265	43.3	378.4	62,100	44.6	383.1	59,100	46.4	389.3	54,400	265
270	42.0	372.8	59,400	43.3	377.7	56,400	45.2	384.3	51,900	270
275	40.7	366.9	56,800	42.0	372.2	53,900	43.9	379.1	49,400	275
280	39.3	360.8	54,300	40.7	366.3	51,400	42.7	373.7	47,000	280
285	37.9	354.4	51,800	39.3	360.2	49,000	41.4	368.0	44,700	285
290	36.5	347.6	49,500	37.9	353.8	46,700	40.0	362.0	42,500	290
300	33.4	332.9	45,000	34.9	339.8	42,300	37.2	349.1	38,300	300
310	30.0	316.2	40,800	31.7	324.2	38,200	34.2	334.8	34,300	310
320	26.2	296.8	36,800	28.2	306.3	34,300	30.9	318.6	30,500	320
330	21.9	273.6	33,000	24.2	285.2	30,600	27.2	300.0	27,000	330
340	16.4	243.4	29,300	19.3	259.1	27,000	23.0	277.9	23,600	340
350	7.4	192.6	25,500	12.8	222.5	23,500	17.9	250.0	20,300	350

MLC650 S-3

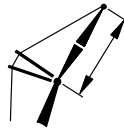
ASME B30.5



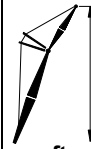
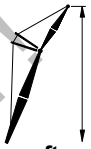
881,800 lb

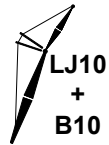


144.4 ft



331.4 ft

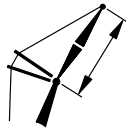
	75°			70°			65°			
										
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
115										115
120										120
125										125
130										130
135										135
140										140
145										145
150										150
155										155
160										160
165										165
170										170
175										175
180										180
185										185
190	64.9	447.6	97,600							190
195	64.0	445.2	92,900							195
200	63.0	442.6	88,500							200
205	62.0	439.9	84,300							205
210	61.0	437.1	80,400							210
215	60.0	434.2	76,600							215
220	59.0	431.2	72,900							220
225	58.0	428.0	69,500							225
230	57.0	424.7	66,200	59.4	428.3	56,900				230
235	55.9	421.3	63,000	58.4	425.2	53,900				235
240	54.9	417.8	60,000	57.4	422.0	51,100				240
245	53.8	414.1	57,100	56.3	418.6	48,400				245
250	52.7	410.2	54,300	55.3	415.1	45,700				250
255	51.6	406.2	51,600	54.2	411.5	43,200				255
260	50.5	402.1	49,000	53.1	407.7	40,800				260
265	49.3	397.7	46,500	52.0	403.7	38,500	54.5	407.5	30,400	265
270	48.2	393.2	44,100	50.9	399.7	36,300	53.5	403.8	28,300	270
275	47.0	388.5	41,800	49.8	395.4	34,100	52.4	399.9	26,300	275
280	45.8	383.6	39,600	48.6	391.0	32,000	51.3	395.9	24,400	280
285	44.5	378.5	37,400	47.4	386.3	30,000	50.1	391.7	22,500	285
290	43.3	373.2	35,300	46.2	381.5	28,100	49.0	387.3	20,700	290
300	40.6	361.7	31,400	43.8	371.2	24,400				300
310	37.8	349.2	27,600	41.2	360.0	20,900				310
320	34.9	335.2	24,100							320
330	31.7	319.5	20,800							330
340										340
350										350



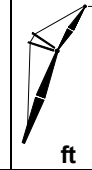
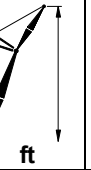
881,800 lb



164.0 ft

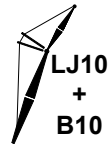


85.3 ft

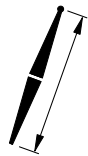
	85°			83°			80°			
										
	ft	ft	ft	lb	ft	lb	ft	lb	ft	ft
50	74.2	254.8	561,700 d							50
55	70.6	252.9	520,400 c							55
60	67.0	250.7	484,600 c	71.1	252.5	483,000 c				60
65	63.2	248.0	453,300 b	67.5	250.3	451,700 c				65
70	59.2	244.9	425,700 b	63.7	247.7	424,200 b				70
75	55.1	241.3	398,500	59.8	244.7	397,100 b	66.4	248.1	395,100 b	75
80	50.7	237.1	369,900	55.7	241.1	368,600	62.5	245.4	366,700 b	80
85	46.0	232.2	345,200	51.3	237.0	343,900	58.6	242.2	342,100 b	85
90	40.8	226.3	323,600	46.7	232.2	322,300	54.4	238.5	320,600	90
95	34.9	219.1	304,500	41.6	226.5	303,300	50.0	234.2	301,600	95
100	27.9	209.9	287,700	35.8	219.5	286,500	45.2	229.2	284,800	100
105	18.1	196.2	272,700	29.0	210.7	271,400	39.9	223.1	269,800	105
110				19.8	197.9	258,000	33.9	215.7	256,300	110
115							26.6	206.0	244,200	115
120							15.9	190.8	233,200	120
125										125
130										130
135										135
140										140
145										145
150										150
155										155
160										160

MLC650 S-3

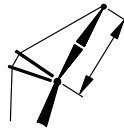
ASME B30.5



881,800 lb

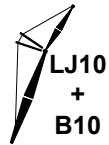


164.0 ft



85.3 ft

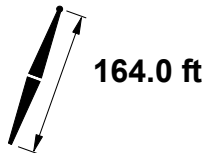
	75°			70°			65°			
ft			lb			lb			lb	ft
50										50
55										55
60										60
65										65
70										70
75										75
80										80
85										85
90										90
95	61.7	241.4	299,200 b							95
100	57.7	238.1	282,400							100
105	53.5	234.3	267,500							105
110	49.0	229.9	254,000							110
115	44.1	224.6	241,900	56.6	232.5	239,400				115
120	38.7	218.3	230,900	52.3	228.6	226,900				120
125	32.5	210.5	220,800	47.7	223.9	215,300				125
130	24.8	200.1	211,700	42.7	218.4	204,600				130
135	12.2	182.1	203,400	37.1	211.7	194,700	50.6	221.2	181,600	135
140				30.6	203.4	185,300	45.9	216.2	172,900	140
145				22.1	191.8	176,300	40.7	210.3	164,900	145
150							34.9	203.2	157,200	150
155							27.8	193.9	149,900	155
160							17.9	180.0	142,700	160



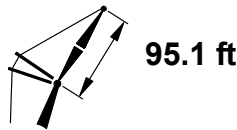
881,800 lb



360°



164.0 ft

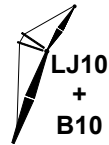


95.1 ft

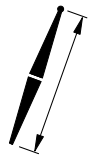
	85°			83°			80°			
										
	ft	ft	ft	lb	ft	lb	ft	lb	ft	ft
55	72.7	263.5	516,100 c							55
60	69.5	261.5	481,000 c							60
65	66.2	259.2	450,200 b							65
70	62.8	256.5	423,100 b							70
75	59.2	253.4	398,500							75
80	55.6	249.9	369,900							80
85	51.7	245.8	345,200							85
90	47.6	241.1	323,600							90
95	43.1	235.7	304,500							95
100	38.3	229.3	287,600							100
105	32.7	221.6	272,500							105
110	26.0	211.6	258,900							110
115	16.6	196.8	246,800							115
120										120
125										125
130										130
135										135
140										140
145										145
150										150
155										155
160										160
165										165
170										170

MLC650 S-3

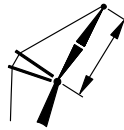
ASME B30.5



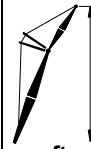
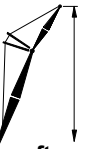
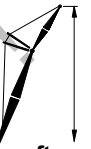
881,800 lb

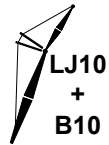


164.0 ft

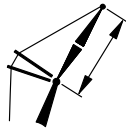


95.1 ft

	75°			70°			65°			
										
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
55										55
60										60
65										65
70										70
75										75
80										80
85										85
90										90
95	64.9	252.7	299,300							95
100	61.5	249.9	282,600							100
105	57.9	246.6	267,600							105
110	54.2	242.9	254,200							110
115	50.2	238.6	242,000							115
120	46.0	233.7	231,000	56.9	241.1	223,900				120
125	41.4	228.0	220,900	53.1	237.2	212,500				125
130	36.3	221.1	211,700	49.1	232.8	201,900				130
135	30.4	212.7	203,200	44.7	227.6	192,100				135
140	23.0	201.5	195,100	40.0	221.6	183,000	51.6	229.9	170,000	140
145	10.7	181.7	185,200	34.8	214.4	174,400	47.5	225.2	162,000	145
150				28.6	205.4	166,300	43.1	219.8	154,600	150
155				20.5	192.9	158,500	38.2	213.4	147,600	155
160							32.6	205.6	140,900	160
165							25.9	195.6	134,500	165
170							16.4	180.6	128,200	170



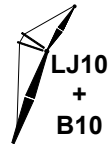
881,800 lb



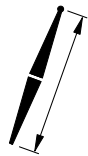
	85°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
55	74.4	273.9	511,300 c							55
60	71.5	272.1	477,000 b							60
65	68.6	270.0	446,800 b	71.9	271.6	445,300 b				65
70	65.6	267.7	420,100 b	69.0	269.6	418,700 b				70
75	62.5	265.0	396,400	66.0	267.3	395,000 b				75
80	59.3	261.9	369,700	62.9	264.6	368,400	68.1	267.5	366,600	80
85	55.9	258.4	345,000	59.7	261.6	343,700	65.1	265.1	342,000	85
90	52.5	254.5	323,400	56.4	258.2	322,200	62.0	262.3	320,600	90
95	48.8	250.0	304,300	53.0	254.3	303,200	58.7	259.2	301,600	95
100	44.9	244.9	287,400	49.3	250.0	286,300	55.4	255.7	284,800	100
105	40.7	239.0	272,200	45.5	245.0	271,200	51.9	251.6	269,800	105
110	36.1	232.2	258,600	41.3	239.2	257,600	48.2	247.1	256,200	110
115	30.8	223.8	246,400	36.8	232.5	245,400	44.3	241.9	244,000	115
120	24.4	213.2	235,200	31.6	224.4	234,200	40.0	235.9	232,900	120
125	15.2	197.2	225,200	25.4	214.2	224,100	35.3	228.8	222,800	125
130				16.9	199.4	214,900	29.9	220.2	213,500	130
135							23.2	209.0	205,000	135
140							13.1	191.2	197,300	140
145										145
150										150
155										155
160										160
165										165
170										170
175										175
180										180

MLC650 S-3

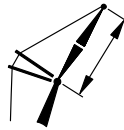
ASME B30.5



881,800 lb

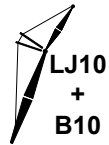


164.0 ft



105.0 ft

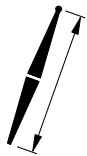
	75°			70°			65°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
55										55
60										60
65										65
70										70
75										75
80										80
85										85
90										90
95										95
100	64.4	261.2	282,500							100
105	61.3	258.3	267,600							105
110	58.1	255.1	254,100							110
115	54.7	251.5	241,900							115
120	51.2	247.4	230,900							120
125	47.4	242.7	220,800	57.1	249.6	210,900				125
130	43.4	237.3	211,600	53.7	245.8	200,500				130
135	39.1	231.1	203,100	50.1	241.5	190,800				135
140	34.2	223.8	194,800	46.3	236.7	181,800				140
145	28.6	214.7	185,600	42.3	231.1	173,400	52.4	238.5	160,500	145
150	21.5	202.7	177,000	37.8	224.6	165,500	48.8	234.1	153,100	150
155	9.4	181.1	168,200	32.8	216.9	158,000	44.9	229.0	146,300	155
160				26.8	207.2	150,900	40.7	223.1	139,800	160
165				19.0	193.8	144,000	36.0	216.2	133,600	165
170							30.7	207.8	127,800	170
175							24.3	197.1	122,100	175
180							15.1	181.0	116,400	180



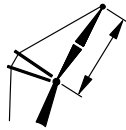
881,800 lb



360°



164.0 ft

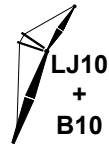


114.8 ft

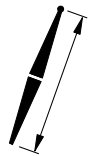
	85°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
60	73.2	282.5	472,900 b							60
65	70.5	280.7	443,400 b							65
70	67.8	278.6	417,200 b	70.9	280.3	415,800 b				70
75	65.0	276.2	393,800	68.2	278.2	392,500				75
80	62.2	273.4	369,800	65.4	275.8	368,500				80
85	59.3	270.4	345,100	62.6	273.1	343,900	67.4	276.1	342,200	85
90	56.3	266.9	323,500	59.7	270.1	322,300	64.6	273.6	320,700	90
95	53.1	263.1	304,400	56.7	266.7	303,300	61.7	270.8	301,800	95
100	49.8	258.8	287,500	53.6	263.0	286,400	58.8	267.7	284,900	100
105	46.4	253.9	272,300	50.3	258.7	271,300	55.8	264.2	269,900	105
110	42.7	248.4	258,700	46.9	254.0	257,700	52.6	260.3	256,400	110
115	38.6	242.1	246,400	43.2	248.6	245,400	49.3	255.9	244,100	115
120	34.2	234.8	235,200	39.2	242.4	234,300	45.8	251.0	233,000	120
125	29.1	225.9	225,000	34.9	235.2	224,100	42.0	245.3	222,800	125
130	23.0	214.6	215,700	29.9	226.6	214,800	38.0	238.9	213,500	130
135	14.1	197.5	207,300	23.9	215.7	206,300	33.4	231.3	205,000	135
140				15.7	199.9	198,500	28.2	222.2	197,100	140
145							21.8	210.3	189,900	145
150							11.9	191.2	183,300	150
155										155
160										160
165										165
170										170
175										175
180										180
185										185
190										190

MLC650 S-3

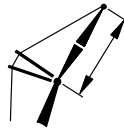
ASME B30.5



881,800 lb

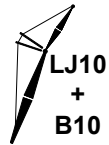


164.0 ft

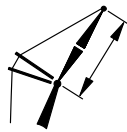


114.8 ft

	75°			70°			65°			
ft			lb			lb			lb	ft
60										60
65										65
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105	64.0	269.7	267,700							105
110	61.1	266.8	254,300							110
115	58.2	263.6	242,100							115
120	55.1	260.0	231,000							120
125	51.9	256.0	220,900							125
130	48.6	251.5	211,700	57.3	258.1	197,400				130
135	45.0	246.5	202,000	54.2	254.4	187,800				135
140	41.2	240.7	192,400	51.0	250.3	178,900				140
145	37.1	234.0	183,500	47.6	245.6	170,600				145
150	32.4	226.2	175,100	44.0	240.4	162,800	53.1	247.2	150,100	150
155	27.0	216.6	167,200	40.1	234.4	155,500	49.8	242.9	143,300	155
160	20.2	203.8	159,600	35.8	227.4	148,600	46.3	238.0	136,900	160
165	8.1	180.2	151,800	31.0	219.2	142,100	42.6	232.5	130,900	165
170				25.3	208.9	135,800	38.6	226.2	125,200	170
175				17.8	194.7	129,700	34.1	218.8	119,700	175
180							29.1	209.9	114,500	180
185							22.9	198.6	109,500	185
190							13.9	181.3	104,400	190



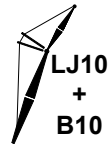
881,800 lb



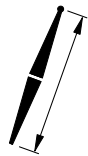
	85°			83°			80°			
	ft	ft	lb	ft	lb	ft	lb	lb	ft	
60	74.6	292.9	468,400 b							60
65	72.1	291.2	439,500 b							65
70	69.7	289.3	413,900	72.5	290.8	412,500 b				70
75	67.2	287.1	391,000	70.0	288.9	389,700				75
80	64.6	284.6	369,100	67.5	286.7	367,800				80
85	62.0	281.9	344,400	65.0	284.3	343,300	69.3	286.8	341,600	85
90	59.3	278.8	322,900	62.4	281.6	321,800	66.8	284.6	320,200	90
95	56.5	275.5	303,900	59.7	278.6	302,800	64.2	282.1	301,300	95
100	53.7	271.7	287,000	56.9	275.2	286,000	61.6	279.3	284,500	100
105	50.7	267.5	271,800	54.1	271.5	270,900	58.9	276.2	269,500	105
110	47.5	262.9	258,200	51.1	267.4	257,300	56.1	272.7	256,000	110
115	44.2	257.7	245,900	48.0	262.8	245,000	53.2	268.9	243,800	115
120	40.7	251.8	234,800	44.7	257.7	233,900	50.2	264.7	232,600	120
125	36.8	245.1	224,600	41.2	251.9	223,700	47.0	259.9	222,500	125
130	32.6	237.3	215,200	37.4	245.4	214,400	43.7	254.6	213,200	130
135	27.7	227.9	206,700	33.2	237.7	205,800	40.1	248.6	204,700	135
140	21.7	215.9	198,800	28.4	228.6	197,900	36.2	241.8	196,800	140
145	13.0	197.7	191,600	22.7	217.1	190,700	31.8	233.7	189,500	145
150				14.6	200.3	184,000	26.8	224.0	182,800	150
155							20.6	211.5	176,500	155
160							10.9	191.0	170,500	160
165										165
170										170
175										175
180										180
185										185
190										190
195										195
200										200

MLC650 S-3

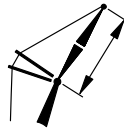
ASME B30.5



881,800 lb

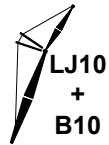


164.0 ft



124.7 ft

	75°			70°			65°			
ft			lb			lb			lb	ft
60										60
65										65
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110	63.7	278.1	253,900							110
115	61.0	275.3	241,800							115
120	58.3	272.1	230,700							120
125	55.5	268.6	220,600							125
130	52.6	264.7	211,400							130
135	49.5	260.3	202,400	57.5	266.6	188,000				135
140	46.3	255.5	192,900	54.7	263.0	179,200				140
145	42.9	250.0	184,100	51.7	258.9	170,900				145
150	39.3	243.9	175,900	48.7	254.5	163,200				150
155	35.3	236.8	168,100	45.4	249.5	156,000	53.6	255.8	143,500	155
160	30.9	228.5	160,800	41.9	243.8	149,200	50.6	251.6	137,200	160
165	25.7	218.4	153,800	38.2	237.4	142,800	47.5	246.9	131,200	165
170	19.0	204.8	147,100	34.1	230.1	136,700	44.2	241.7	125,600	170
175	6.9	178.9	140,100	29.5	221.3	130,900	40.6	235.8	120,300	175
180				24.0	210.5	125,300	36.8	229.1	115,200	180
185				16.7	195.4	119,900	32.5	221.3	110,400	185
190							27.6	211.9	105,700	190
195							21.6	199.9	101,200	195
200							12.9	181.5	96,600	200



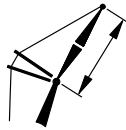
881,800 lb



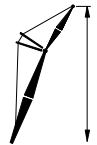
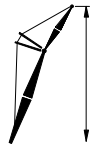
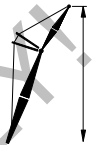
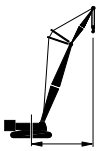
360°



164.0 ft

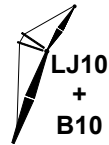


134.5 ft

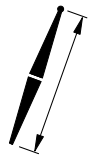
	 85°			 83°			 80°			
 ft		 ft	 lb		 ft	 lb		 ft	 lb	 ft
65	73.5	301.6	435,500							65
70	71.2	299.9	410,500							70
75	68.9	297.9	388,000	71.6	299.4	386,700				75
80	66.6	295.6	367,800	69.3	297.4	366,600				80
85	64.2	293.1	344,600	66.9	295.2	343,400				85
90	61.8	290.4	323,000	64.6	292.8	321,900	68.6	295.4	320,300	90
95	59.3	287.3	304,000	62.2	290.1	303,000	66.2	293.1	301,500	95
100	56.8	284.0	287,100	59.7	287.1	286,100	63.9	290.6	284,700	100
105	54.1	280.3	272,000	57.1	283.8	271,000	61.4	287.8	269,700	105
110	51.4	276.2	258,400	54.5	280.1	257,500	58.9	284.7	256,100	110
115	48.5	271.7	246,100	51.8	276.1	245,200	56.3	281.3	243,900	115
120	45.5	266.7	234,900	48.9	271.7	234,000	53.7	277.5	232,800	120
125	42.3	261.2	224,600	45.9	266.7	223,800	50.9	273.4	222,600	125
130	38.9	254.9	215,300	42.8	261.3	214,500	48.0	268.8	213,300	130
135	35.2	247.8	206,700	39.4	255.2	205,900	45.0	263.7	204,800	135
140	31.1	239.6	198,800	35.8	248.2	198,000	41.8	258.1	196,900	140
145	26.4	229.7	191,400	31.7	240.1	190,700	38.3	251.7	189,600	145
150	20.6	217.1	184,700	27.1	230.5	183,900	34.6	244.5	182,800	150
155	12.1	197.7	178,500	21.5	218.4	177,600	30.4	236.0	176,500	155
160				13.7	200.6	171,800	25.6	225.8	169,100	160
165							19.5	212.5	162,000	165
170							9.9	190.6	155,000	170
175										175
180										180
185										185
190										190
195										195
200										200
205										205
210										210

MLC650 S-3

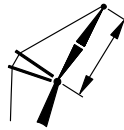
ASME B30.5



881,800 lb

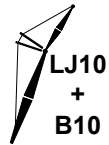


164.0 ft



134.5 ft

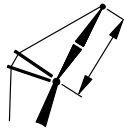
	75°			70°			65°			
ft			lb			lb			lb	ft
65										65
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115	63.3	286.6	241,900							115
120	60.9	283.8	230,900							120
125	58.4	280.6	220,800							125
130	55.8	277.1	209,800							130
135	53.1	273.3	199,700							135
140	50.3	269.1	190,300	57.7	275.1	176,200				140
145	47.4	264.4	181,600	55.1	271.5	168,000				145
150	44.3	259.2	173,400	52.3	267.6	160,300				150
155	41.1	253.4	165,700	49.5	263.2	153,200				155
160	37.6	246.9	158,500	46.6	258.4	146,500	54.1	264.4	134,100	160
165	33.8	239.4	151,700	43.5	253.1	140,100	51.3	260.3	128,200	165
170	29.5	230.7	145,200	40.1	247.1	134,100	48.5	255.8	122,700	170
175	24.4	220.0	139,100	36.6	240.4	128,500	45.4	250.8	117,400	175
180	18.0	205.7	133,100	32.6	232.6	123,100	42.3	245.2	112,400	180
185	5.6	177.1	126,700	28.2	223.4	117,900	38.9	239.0	107,700	185
190				22.8	211.9	112,900	35.2	231.9	103,200	190
195				15.7	195.9	108,000	31.0	223.6	98,900	195
200							26.3	213.7	94,700	200
205							20.5	201.0	90,600	205
210							11.9	181.5	86,400	210



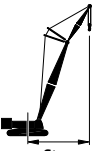
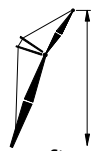
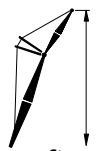
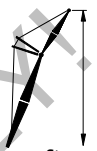
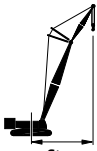
881,800 lb



164.0 ft



144.4 ft

	 85°			 83°			 80°			
 ft		 ft	 lb		 ft	 lb		 ft	 lb	 ft
65	74.7	312.0	431,600							65
70	72.6	310.3	407,100							70
75	70.5	308.5	385,100	72.9	309.8	383,900				75
80	68.3	306.4	365,300	70.8	308.0	364,000				80
85	66.1	304.1	344,400	68.6	306.0	343,200				85
90	63.9	301.6	322,900	66.4	303.8	321,800				90
95	61.6	298.8	303,900	64.2	301.3	302,800	68.0	303.9	301,300	95
100	59.3	295.8	287,000	62.0	298.5	286,000	65.8	301.6	284,600	100
105	56.9	292.5	271,900	59.7	295.5	270,900	63.6	299.0	269,600	105
110	54.5	288.8	258,300	57.3	292.3	257,400	61.3	296.2	256,100	110
115	52.0	284.9	246,000	54.8	288.7	245,100	58.9	293.1	243,800	115
120	49.3	280.5	234,800	52.3	284.7	233,900	56.6	289.8	232,700	120
125	46.6	275.7	224,500	49.7	280.4	223,700	54.1	286.1	222,600	125
130	43.7	270.4	215,200	47.0	275.7	214,400	51.5	282.0	213,300	130
135	40.6	264.5	206,600	44.1	270.5	205,800	48.9	277.6	204,700	135
140	37.3	257.9	198,600	41.1	264.7	197,900	46.1	272.7	196,800	140
145	33.8	250.5	191,300	37.8	258.2	190,500	43.2	267.4	189,500	145
150	29.8	241.8	184,500	34.3	250.9	183,700	40.1	261.4	182,700	150
155	25.2	231.5	178,100	30.4	242.4	177,400	36.8	254.7	175,400	155
160	19.6	218.2	172,300	25.9	232.3	171,500	33.2	247.0	168,000	160
165	11.2	197.6	166,900	20.5	219.6	166,100	29.1	238.1	161,000	165
170				12.8	200.8	159,600	24.4	227.4	154,300	170
175							18.6	213.5	147,900	175
180							9.0	190.0	141,500	180
185										185
190										190
195										195
200										200
205										205
210										210
215										215
220										220

MLC650 S-3

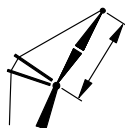
ASME B30.5



881,800 lb

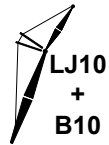


164.0 ft



144.4 ft

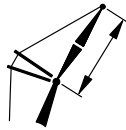
	75°			70°			65°			
ft		ft	lb		ft	lb		ft	lb	ft
65										65
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115										115
120	63.1	295.1	230,700							120
125	60.8	292.2	218,800							125
130	58.5	289.1	207,900							130
135	56.0	285.6	197,900							135
140	53.6	281.9	188,500							140
145	51.0	277.8	179,800	57.8	283.6	166,000				145
150	48.3	273.2	171,700	55.4	280.1	158,400				150
155	45.5	268.3	164,100	52.9	276.2	151,300				155
160	42.6	262.8	156,900	50.3	272.0	144,600				160
165	39.4	256.7	150,200	47.6	267.3	138,300	54.5	272.9	126,200	165
170	36.1	249.8	143,900	44.7	262.2	132,400	51.9	268.9	120,700	170
175	32.4	241.9	137,800	41.7	256.6	126,800	49.3	264.6	115,500	175
180	28.2	232.7	132,100	38.5	250.2	121,500	46.5	259.8	110,600	180
185	23.3	221.5	126,600	35.1	243.1	116,500	43.6	254.5	105,900	185
190	17.1	206.5	121,200	31.3	234.9	111,600	40.6	248.6	101,500	190
195	4.1	174.3	115,400	26.9	225.3	107,000	37.3	242.0	97,200	195
200				21.8	213.3	102,500	33.7	234.5	93,200	200
205				14.8	196.4	98,000	29.7	225.8	89,200	205
210							25.2	215.4	85,500	210
215							19.5	202.1	81,700	215
220							11.0	181.3	77,900	220



881,800 lb



164.0 ft

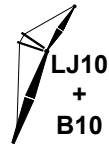


154.2 ft

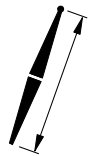
	85°			83°			80°			
ft			lb			lb			lb	ft
70	73.7	320.7	404,100							70
75	71.8	319.0	382,500							75
80	69.8	317.1	363,000	72.0	318.5	361,800				80
85	67.8	315.0	344,500	70.1	316.6	343,300				85
90	65.7	312.6	323,000	68.0	314.6	321,900				90
95	63.6	310.1	304,000	66.0	312.3	303,000	69.5	314.6	301,500	95
100	61.5	307.3	287,200	63.9	309.8	286,200	67.4	312.5	284,700	100
105	59.3	304.3	272,000	61.8	307.0	271,100	65.4	310.1	269,700	105
110	57.1	301.0	258,400	59.6	304.0	257,500	63.3	307.5	256,200	110
115	54.8	297.4	246,100	57.4	300.8	245,200	61.2	304.7	244,000	115
120	52.5	293.5	234,900	55.1	297.2	234,100	59.0	301.6	232,900	120
125	50.0	289.2	224,700	52.8	293.3	223,900	56.7	298.3	222,700	125
130	47.5	284.6	215,300	50.4	289.1	214,500	54.5	294.6	213,400	130
135	44.8	279.5	206,700	47.9	284.6	205,900	52.1	290.7	204,800	135
140	42.1	273.9	198,700	45.2	279.5	198,000	49.6	286.4	196,900	140
145	39.1	267.7	191,400	42.5	274.0	190,600	47.1	281.7	189,500	145
150	35.9	260.8	184,500	39.5	267.9	183,800	44.4	276.5	181,100	150
155	32.5	253.0	178,200	36.4	261.1	177,500	41.6	270.8	173,300	155
160	28.6	243.9	172,200	33.0	253.4	171,600	38.6	264.5	165,900	160
165	24.2	233.1	166,700	29.2	244.6	164,800	35.4	257.5	158,900	165
170	18.7	219.2	161,600	24.9	234.0	158,000	31.9	249.5	152,400	170
175	10.4	197.4	155,000	19.6	220.7	151,600	28.0	240.2	146,200	175
180				12.0	200.9	145,400	23.4	229.0	140,200	180
185							17.7	214.4	134,400	185
190							8.2	189.3	128,400	190
195										195
200										200
205										205
210										210
215										215
220										220
225										225
230										230

MLC650 S-3

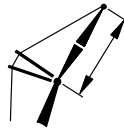
ASME B30.5



881,800 lb

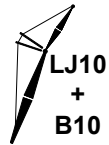


164.0 ft



154.2 ft

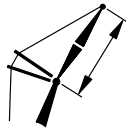
	75°			70°			65°			
ft		ft	lb		ft	lb		ft	lb	ft
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115										115
120	65.0	306.2	227,700							120
125	62.9	303.6	216,000							125
130	60.7	300.7	205,100							130
135	58.5	297.6	195,100							135
140	56.3	294.2	185,800							140
145	54.0	290.5	177,100							145
150	51.6	286.4	169,000	57.9	292.1	155,400				150
155	49.1	282.0	161,500	55.6	288.6	148,400				155
160	46.5	277.2	154,400	53.3	284.8	141,800				160
165	43.8	272.0	147,700	50.9	280.7	135,500				165
170	41.0	266.2	141,400	48.4	276.2	129,700	54.8	281.5	117,700	170
175	38.0	259.7	135,500	45.8	271.2	124,100	52.4	277.6	112,500	175
180	34.7	252.5	129,900	43.1	265.8	118,900	50.0	273.3	107,600	180
185	31.1	244.3	124,500	40.2	259.9	113,900	47.5	268.6	103,000	185
190	27.1	234.6	119,300	37.1	253.2	109,200	44.8	263.6	98,600	190
195	22.3	222.9	114,400	33.7	245.7	104,600	42.0	258.0	94,500	195
200	16.2	207.2	109,500	30.1	237.2	100,300	39.1	251.8	90,500	200
205				25.9	227.1	96,100	35.9	244.8	86,700	205
210				20.8	214.5	92,100	32.4	237.0	83,000	210
215				14.0	196.8	88,000	28.6	227.9	79,500	215
220							24.1	217.0	76,000	220
225							18.6	203.1	72,600	225
230							10.2	181.1	69,100	230



881,800 lb



164.0 ft

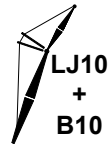


164.0 ft

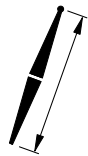
	85°			83°			80°			
ft			lb			lb			lb	ft
70	74.7	331.0	400,700							70
75	72.9	329.4	379,600							75
80	71.1	327.6	360,400							80
85	69.2	325.7	343,000	71.3	327.2	341,800				85
90	67.3	323.5	322,700	69.4	325.2	321,600				90
95	65.3	321.1	303,800	67.5	323.1	302,700				95
100	63.4	318.6	286,900	65.6	320.8	285,900	68.9	323.2	284,500	100
105	61.4	315.8	271,800	63.7	318.2	270,900	67.0	321.0	269,500	105
110	59.3	312.8	258,200	61.7	315.5	257,300	65.0	318.6	256,100	110
115	57.3	309.5	245,900	59.6	312.5	245,100	63.1	316.0	243,800	115
120	55.1	305.9	234,700	57.6	309.2	233,900	61.1	313.2	232,700	120
125	52.9	302.1	224,500	55.4	305.7	223,700	59.0	310.1	222,600	125
130	50.6	297.9	215,200	53.2	301.9	214,400	56.9	306.8	213,300	130
135	48.3	293.4	206,500	51.0	297.8	205,800	54.8	303.2	204,700	135
140	45.8	288.5	198,600	48.6	293.4	197,900	52.6	299.3	196,800	140
145	43.3	283.1	191,200	46.2	288.5	190,500	50.3	295.1	188,900	145
150	40.6	277.3	184,400	43.7	283.2	183,700	47.9	290.5	180,600	150
155	37.7	270.8	178,000	41.0	277.4	177,300	45.4	285.5	172,800	155
160	34.7	263.5	172,100	38.1	271.0	171,400	42.9	280.1	165,400	160
165	31.3	255.4	166,500	35.1	263.9	164,400	40.1	274.1	158,500	165
170	27.6	245.9	161,300	31.8	255.9	157,800	37.3	267.5	152,000	170
175	23.3	234.6	155,000	28.1	246.6	151,400	34.1	260.2	145,900	175
180	17.9	220.1	148,900	23.9	235.6	145,400	30.7	251.8	140,100	180
185	9.7	197.0	142,900	18.8	221.7	139,700	26.9	242.1	134,600	185
190				11.2	200.8	134,100	22.5	230.4	129,100	190
195							16.9	215.1	123,800	195
200							7.3	188.3	118,300	200
205										205
210										210
215										215
220										220
225										225
230										230
235										235
240										240

MLC650 S-3

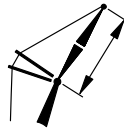
ASME B30.5



881,800 lb

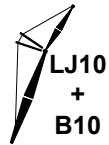


164.0 ft



164.0 ft

	75°			70°			65°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115										115
120										120
125	64.6	314.7	215,100							125
130	62.7	312.0	204,300							130
135	60.6	309.2	194,300							135
140	58.6	306.1	185,000							140
145	56.5	302.7	176,400							145
150	54.3	299.0	168,400							150
155	52.1	295.1	160,900	58.0	300.6	147,500				155
160	49.8	290.8	153,800	55.9	297.1	141,000				160
165	47.4	286.1	147,200	53.7	293.4	134,800				165
170	44.9	281.1	140,900	51.5	289.3	128,900				170
175	42.3	275.5	135,000	49.1	284.9	123,400				175
180	39.6	269.4	129,400	46.7	280.2	118,200	52.9	286.2	106,800	180
185	36.6	262.7	124,100	44.2	275.0	113,300	50.6	282.0	102,200	185
190	33.5	255.1	119,100	41.6	269.3	108,600	48.3	277.5	97,900	190
195	30.0	246.5	114,300	38.8	263.0	104,100	45.8	272.6	93,700	195
200	26.1	236.5	109,600	35.8	256.1	99,900	43.2	267.2	89,800	200
205	21.4	224.2	105,200	32.5	248.3	95,800	40.5	261.3	86,000	205
210	15.4	207.8	100,800	28.9	239.3	91,900	37.7	254.8	82,400	210
215				24.9	228.8	88,100	34.6	247.6	79,000	215
220				20.0	215.6	84,400	31.3	239.4	75,700	220
225				13.2	197.1	80,700	27.5	229.9	72,400	225
230							23.2	218.6	69,300	230
235							17.8	204.0	66,200	235
240							9.5	180.7	62,900	240



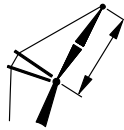
881,800 lb



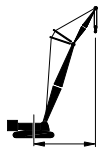
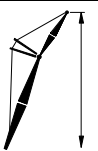
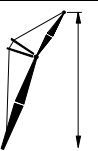
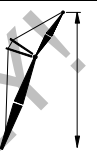
360°



164.0 ft

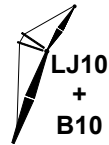


173.9 ft

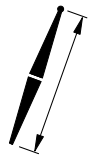
	 85°			 83°			 80°			
 ft		 ft	 lb		 ft	 lb		 ft	 lb	 ft
75	73.9	339.8	376,800							75
80	72.2	338.1	358,000							80
85	70.4	336.3	340,800	72.4	337.6	339,700				85
90	68.6	334.2	322,900	70.7	335.8	321,800				90
95	66.8	332.0	303,900	68.9	333.8	302,900				95
100	65.0	329.7	287,100	67.1	331.6	286,100				100
105	63.2	327.1	272,000	65.3	329.3	271,100	68.4	331.7	269,700	105
110	61.3	324.3	258,400	63.4	326.7	257,500	66.6	329.5	256,200	110
115	59.4	321.2	246,100	61.5	324.0	245,200	64.7	327.1	244,000	115
120	57.4	318.0	234,900	59.6	321.0	234,100	62.9	324.5	232,900	120
125	55.4	314.5	224,700	57.7	317.7	223,900	61.0	321.6	222,800	125
130	53.3	310.7	215,300	55.7	314.3	214,500	59.0	318.6	213,400	130
135	51.2	306.6	206,700	53.6	310.5	205,900	57.1	315.3	204,900	135
140	49.0	302.2	198,700	51.5	306.5	198,000	55.0	311.7	195,500	140
145	46.7	297.4	191,300	49.3	302.1	190,600	53.0	307.9	186,600	145
150	44.3	292.3	184,500	47.0	297.4	183,800	50.8	303.8	178,300	150
155	41.9	286.6	178,100	44.7	292.3	176,900	48.6	299.3	170,500	155
160	39.3	280.5	172,200	42.2	286.8	169,400	46.3	294.5	163,200	160
165	36.5	273.7	166,300	39.6	280.7	162,400	44.0	289.3	156,400	165
170	33.5	266.2	159,500	36.9	274.0	155,800	41.5	283.5	149,900	170
175	30.2	257.6	153,200	33.9	266.6	149,500	38.8	277.3	143,800	175
180	26.6	247.8	147,100	30.7	258.2	143,600	36.0	270.4	138,000	180
185	22.4	236.0	141,400	27.1	248.6	137,900	33.0	262.7	132,500	185
190	17.1	220.9	135,900	23.0	237.1	132,500	29.7	254.0	127,200	190
195	8.9	196.5	130,500	18.0	222.7	127,400	26.0	243.9	122,100	195
200				10.5	200.6	122,300	21.6	231.8	117,100	200
205							16.1	215.8	112,300	205
210							6.5	187.1	107,300	210
215										215
220										220
225										225
230										230
235										235
240										240
245										245
250										250

MLC650 S-3

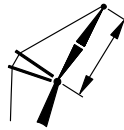
ASME B30.5



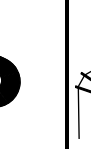
881,800 lb

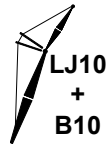


164.0 ft



173.9 ft

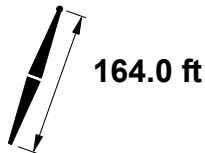
	75°			70°			65°			
										
	ft	ft	lb	ft	lb	ft	lb	ft	lb	ft
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115										115
120										120
125										125
130	64.3	323.2	201,500							130
135	62.5	320.5	191,500							135
140	60.6	317.6	182,300							140
145	58.6	314.5	173,700							145
150	56.7	311.2	165,700							150
155	54.6	307.6	158,200							155
160	52.5	303.7	151,200	58.1	309.0	138,000				160
165	50.4	299.5	144,600	56.1	305.6	131,900				165
170	48.2	295.0	138,400	54.0	301.9	126,100				170
175	45.9	290.1	132,500	51.9	298.0	120,600				175
180	43.4	284.7	127,000	49.8	293.7	115,500				180
185	40.9	278.9	121,700	47.5	289.1	110,600	53.3	294.8	99,300	185
190	38.3	272.5	116,700	45.2	284.0	105,900	51.2	290.7	94,900	190
195	35.4	265.5	112,000	42.8	278.6	101,500	49.0	286.3	90,900	195
200	32.3	257.6	107,400	40.2	272.6	97,300	46.7	281.5	87,000	200
205	29.0	248.7	103,100	37.5	266.1	93,300	44.3	276.3	83,300	205
210	25.1	238.2	98,900	34.6	258.8	89,500	41.8	270.7	79,700	210
215	20.6	225.5	94,800	31.4	250.7	85,800	39.2	264.5	76,300	215
220	14.7	208.3	90,800	27.9	241.4	82,200	36.4	257.7	73,000	220
225				24.0	230.4	78,700	33.4	250.2	69,900	225
230				19.2	216.7	75,400	30.2	241.6	66,900	230
235				12.6	197.2	71,900	26.5	231.8	63,900	235
240							22.3	220.0	61,000	240
245							17.1	204.8	58,200	245
250							8.8	180.1	55,100	250



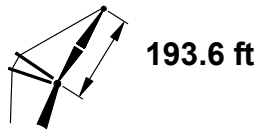
881,800 lb



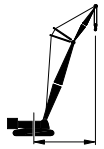
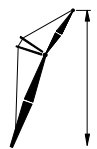
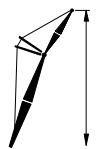
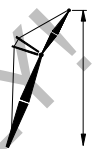
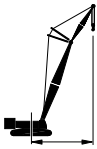
360°



164.0 ft



193.6 ft

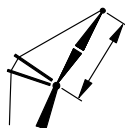
	 85°			 83°			 80°			
 ft	 ft	 ft	 lb	 ft	 ft	 lb	 ft	 ft	 lb	 ft
80	74.1	358.8	348,800							80
85	72.5	357.2	335,000							85
90	70.9	355.4	319,900	72.7	356.7	318,800				90
95	69.3	353.5	302,700	71.1	354.9	301,600				95
100	67.7	351.4	285,900	69.6	353.0	284,900				100
105	66.1	349.1	270,800	68.0	351.0	269,900				105
110	64.5	346.7	257,300	66.3	348.7	256,400	69.1	351.0	255,100	110
115	62.8	344.0	245,000	64.7	346.3	244,100	67.5	348.9	242,900	115
120	61.1	341.2	233,800	63.0	343.7	233,000	65.8	346.6	231,800	120
125	59.4	338.2	223,600	61.3	340.9	222,800	64.2	344.1	221,700	125
130	57.6	335.0	214,200	59.6	337.9	213,500	62.5	341.4	212,200	130
135	55.8	331.5	205,600	57.9	334.7	204,900	60.8	338.6	201,900	135
140	54.0	327.8	197,600	56.1	331.3	196,900	59.1	335.5	192,300	140
145	52.1	323.9	190,300	54.2	327.7	189,600	57.3	332.3	183,400	145
150	50.1	319.7	183,400	52.3	323.7	181,900	55.5	328.8	175,200	150
155	48.1	315.1	177,000	50.4	319.6	174,000	53.7	325.1	167,400	155
160	46.1	310.3	170,700	48.4	315.1	166,600	51.8	321.1	160,200	160
165	43.9	305.0	163,600	46.4	310.3	159,600	49.8	316.8	153,400	165
170	41.7	299.4	156,900	44.2	305.1	153,100	47.8	312.2	147,000	170
175	39.4	293.3	150,600	42.0	299.5	146,900	45.7	307.3	140,900	175
180	36.9	286.6	144,700	39.7	293.4	141,000	43.6	302.0	135,300	180
185	34.3	279.2	139,100	37.3	286.8	135,400	41.3	296.3	129,800	185
190	31.4	271.1	133,700	34.7	279.6	130,200	39.0	290.1	124,600	190
195	28.4	261.9	128,600	31.9	271.6	125,100	36.5	283.3	119,600	195
200	24.9	251.3	123,700	28.8	262.6	120,400	33.8	275.8	114,800	200
205	20.9	238.7	119,100	25.4	252.2	115,900	31.0	267.6	110,300	205
210	15.8	222.3	114,500	21.5	239.9	111,400	27.8	258.2	105,900	210
215	7.6	195.0	110,100	16.6	224.3	107,000	24.3	247.3	101,700	215
220				9.3	200.0	102,400	20.1	234.2	97,600	220
225							14.8	217.0	93,600	225
230							4.8	183.5	89,300	230
235										235
240										240
245										245
250										250
255										255
260										260
265										265
270										270



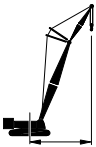
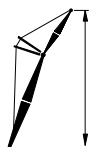
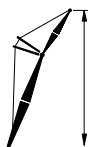
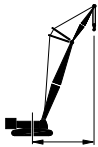
881,800 lb

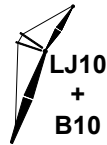


164.0 ft



193.6 ft

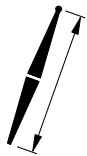
	 75°			 70°			 65°			
 ft	 ft	 ft	 lb	 ft	 ft	 lb	 ft	 ft	 lb	 ft
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115										115
120										120
125										125
130										130
135										135
140	63.8	340.2	178,600							140
145	62.2	337.5	170,000							145
150	60.5	334.6	162,100							150
155	58.7	331.5	154,600							155
160	56.9	328.2	147,700							160
165	55.1	324.7	141,100	60.0	329.2	128,000				165
170	53.3	320.9	135,000	58.2	326.0	122,300				170
175	51.4	316.8	129,200	56.4	322.7	116,900				175
180	49.4	312.5	123,700	54.6	319.1	111,800				180
185	47.4	307.8	118,500	52.8	315.2	107,000				185
190	45.3	302.9	113,600	50.8	311.1	102,400				190
195	43.1	297.5	108,900	48.9	306.7	98,000	53.9	311.9	87,000	195
200	40.9	291.7	104,500	46.8	301.9	93,900	52.1	308.0	83,200	200
205	38.5	285.3	100,300	44.7	296.8	90,000	50.1	303.7	79,500	205
210	36.0	278.4	96,200	42.5	291.3	86,200	48.1	299.2	76,000	210
215	33.3	270.8	92,300	40.2	285.4	82,600	46.1	294.3	72,700	215
220	30.3	262.3	88,600	37.8	278.9	79,100	43.9	289.1	69,500	220
225	27.1	252.7	85,000	35.2	271.8	75,800	41.7	283.4	66,500	225
230	23.5	241.4	81,500	32.5	264.0	72,600	39.3	277.3	63,500	230
235	19.2	227.7	78,100	29.5	255.2	69,600	36.9	270.6	60,700	235
240	13.4	209.0	74,700	26.2	245.2	66,600	34.2	263.3	58,000	240
245				22.4	233.4	63,700	31.4	255.1	55,400	245
250				17.8	218.6	60,800	28.3	245.9	52,800	250
255				11.3	197.3	57,900	24.8	235.3	50,300	255
260							20.8	222.6	47,900	260
265							15.7	206.2	45,400	265
270							7.4	178.5	42,800	270



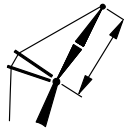
881,800 lb



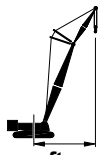
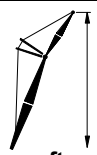
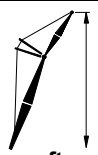
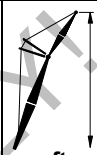
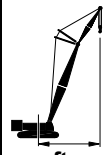
360°



164.0 ft

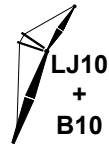


213.3 ft

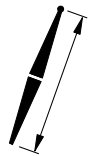
	 85°			 83°			 80°			
 ft		 ft	 lb		 ft	 lb		 ft	 lb	 ft
85	74.2	377.9	298,500							85
90	72.8	376.3	297,800							90
95	71.3	374.5	296,800	73.0	375.8	298,600				95
100	69.9	372.7	287,000	71.5	374.1	286,000				100
105	68.5	370.6	271,900	70.1	372.2	271,000				105
110	67.0	368.5	258,400	68.7	370.2	257,500				110
115	65.5	366.1	246,100	67.2	368.1	245,300	69.7	370.2	244,000	115
120	64.0	363.6	234,900	65.7	365.8	234,100	68.2	368.1	231,700	120
125	62.5	361.0	224,700	64.2	363.3	224,000	66.8	365.9	219,700	125
130	60.9	358.2	215,400	62.7	360.7	214,600	65.3	363.6	208,600	130
135	59.4	355.2	206,700	61.2	357.9	205,900	63.8	361.1	198,400	135
140	57.8	352.0	198,800	59.6	354.9	196,200	62.2	358.4	188,900	140
145	56.2	348.6	191,400	58.0	351.7	187,200	60.7	355.5	180,100	145
150	54.5	344.9	183,200	56.4	348.3	178,700	59.1	352.5	171,800	150
155	52.8	341.1	175,100	54.7	344.7	170,900	57.5	349.3	164,100	155
160	51.1	337.0	167,600	53.0	340.9	163,500	55.9	345.8	156,900	160
165	49.3	332.7	160,600	51.3	336.9	156,600	54.2	342.2	150,200	165
170	47.5	328.0	154,000	49.5	332.6	150,000	52.5	338.3	143,800	170
175	45.6	323.1	147,800	47.7	328.0	143,900	50.8	334.2	137,900	175
180	43.6	317.8	141,900	45.8	323.1	138,100	49.0	329.8	132,200	180
185	41.6	312.1	136,300	43.9	317.8	132,600	47.2	325.1	126,800	185
190	39.5	306.0	131,000	41.9	312.2	127,400	45.3	320.1	121,700	190
195	37.2	299.4	126,000	39.8	306.2	122,400	43.3	314.8	116,800	195
200	34.9	292.2	121,100	37.6	299.7	117,700	41.3	309.0	112,100	200
205	32.4	284.4	116,600	35.2	292.6	113,200	39.1	302.9	107,600	205
210	29.7	275.7	112,200	32.7	284.8	109,000	36.9	296.2	103,300	210
215	26.7	265.9	108,100	30.1	276.2	104,900	34.5	288.9	99,200	215
220	23.4	254.6	104,000	27.2	266.6	100,900	32.0	280.9	95,300	220
225	19.5	241.0	100,100	23.9	255.6	96,900	29.2	272.0	91,500	225
230	14.6	223.5	96,300	20.1	242.4	93,100	26.2	262.0	87,800	230
235	6.3	192.8	92,100	15.4	225.6	89,300	22.8	250.4	84,300	235
240				8.1	198.8	85,400	18.8	236.4	80,900	240
245							13.7	217.8	77,500	245
250							2.3	175.7	73,600	250
255										255
260										260
265										265
270										270
275										275
280										280
285										285
290										290

MLC650 S-3

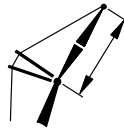
ASME B30.5



881,800 lb

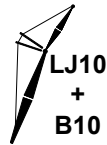


164.0 ft



213.3 ft

	75°			70°			65°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
85										85
90										90
95										95
100										100
105										105
110										110
115										115
120										120
125										125
130										130
135										135
140										140
145	65.0	359.7	166,300							145
150	63.4	357.2	158,400							150
155	61.9	354.4	151,000							155
160	60.4	351.5	144,100							160
165	58.8	348.5	137,600							165
170	57.2	345.2	131,500							170
175	55.5	341.7	125,800	59.9	346.1	113,100				175
180	53.9	338.0	120,300	58.3	343.0	108,000				180
185	52.2	334.1	115,200	56.7	339.7	103,200				185
190	50.4	329.9	110,300	55.1	336.1	98,700				190
195	48.6	325.5	105,700	53.4	332.4	94,400				195
200	46.8	320.7	101,300	51.7	328.4	90,300				200
205	44.9	315.6	97,100	49.9	324.1	86,400	54.5	329.0	75,700	205
210	42.9	310.2	93,100	48.1	319.6	82,700	52.8	325.2	72,200	210
215	40.8	304.4	89,300	46.2	314.8	79,200	51.0	321.1	69,000	215
220	38.7	298.1	85,600	44.3	309.6	75,800	49.3	316.7	65,800	220
225	36.4	291.3	82,100	42.3	304.1	72,500	47.4	312.1	62,800	225
230	34.0	283.9	78,800	40.2	298.1	69,400	45.5	307.1	59,900	230
235	31.4	275.8	75,500	38.0	291.7	66,400	43.6	301.8	57,200	235
240	28.6	266.7	72,400	35.7	284.7	63,600	41.6	296.2	54,500	240
245	25.6	256.4	69,400	33.3	277.1	60,800	39.4	290.1	52,000	245
250	22.1	244.4	66,400	30.7	268.7	58,100	37.2	283.5	49,500	250
255	17.9	229.7	63,500	27.8	259.4	55,500	34.9	276.3	47,100	255
260	12.3	209.5	60,600	24.6	248.7	53,000	32.4	268.4	44,800	260
265				21.0	236.0	50,500	29.6	259.7	42,600	265
270				16.5	220.3	48,000	26.7	249.8	40,400	270
275				10.2	197.0	45,400	23.4	238.5	38,300	275
280							19.5	225.0	36,200	280
285							14.5	207.3	34,000	285
290							6.1	176.1	31,700	290



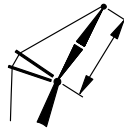
881,800 lb



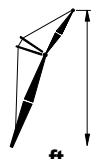
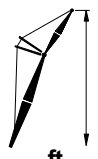
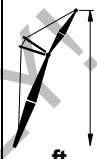
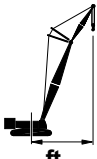
360°



164.0 ft



232.9 ft

	 85°			 83°			 80°			
 ft		 ft	 lb		 ft	 lb		 ft	 lb	 ft
90	74.3	396.9	254,700							90
95	73.0	395.3	253,900							95
100	71.7	393.6	253,000							100
105	70.4	391.8	251,900	71.9	393.2	250,300				105
110	69.0	389.9	250,800	70.5	391.4	249,900				110
115	67.7	387.8	246,000	69.2	389.4	245,100				115
120	66.4	385.5	234,800	67.9	387.4	234,000				120
125	65.0	383.2	224,600	66.6	385.1	223,800	68.8	387.4	216,900	125
130	63.6	380.6	215,300	65.2	382.8	213,700	67.5	385.3	205,900	130
135	62.2	378.0	206,700	63.8	380.3	203,300	66.1	383.0	195,700	135
140	60.8	375.1	198,300	62.4	377.6	193,700	64.8	380.6	186,300	140
145	59.4	372.1	189,200	61.0	374.8	184,700	63.4	378.1	177,500	145
150	57.9	368.9	180,700	59.6	371.8	176,400	62.0	375.4	169,300	150
155	56.4	365.6	172,800	58.1	368.7	168,500	60.6	372.5	161,600	155
160	54.9	362.0	165,400	56.7	365.3	161,200	59.2	369.5	154,500	160
165	53.4	358.3	158,400	55.1	361.8	154,300	57.7	366.3	147,800	165
170	51.8	354.3	151,800	53.6	358.1	147,800	56.2	362.9	141,400	170
175	50.2	350.1	145,600	52.0	354.1	141,700	54.7	359.3	135,500	175
180	48.6	345.6	139,700	50.4	350.0	135,900	53.1	355.5	129,900	180
185	46.9	340.9	134,200	48.8	345.6	130,400	51.6	351.5	124,500	185
190	45.1	335.9	128,900	47.1	340.9	125,300	50.0	347.2	119,500	190
195	43.3	330.6	123,900	45.4	335.9	120,300	48.3	342.7	114,700	195
200	41.5	324.9	119,200	43.6	330.6	115,600	46.6	338.0	110,100	200
205	39.5	318.8	114,600	41.7	325.0	111,200	44.9	332.9	105,700	205
210	37.5	312.3	110,400	39.8	319.0	107,000	43.0	327.5	101,400	210
215	35.4	305.2	106,200	37.8	312.5	102,900	41.2	321.8	97,400	215
220	33.1	297.6	102,300	35.7	305.5	99,000	39.2	315.6	93,500	220
225	30.8	289.2	98,500	33.5	298.0	95,400	37.2	309.0	89,800	225
230	28.2	279.9	94,900	31.1	289.7	91,800	35.0	301.9	86,300	230
235	25.3	269.5	91,400	28.5	280.6	88,200	32.8	294.1	82,800	235
240	22.1	257.5	88,000	25.7	270.3	84,800	30.4	285.6	79,500	240
245	18.4	243.1	84,700	22.6	258.6	81,400	27.7	276.2	76,400	245
250	13.6	224.3	81,300	18.9	244.6	78,200	24.8	265.6	73,300	250
255	4.9	189.4	77,600	14.4	226.7	75,000	21.6	253.3	70,300	255
260				7.0	197.0	71,600	17.7	238.3	67,400	260
265							12.6	218.4	64,400	265
270										270
275										275
280										280
285										285
290										290
300										300
310										310



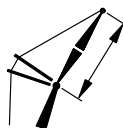
881,800 lb



360°

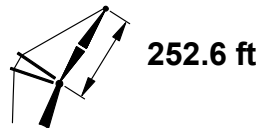
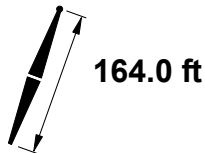
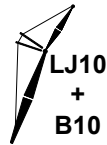


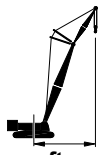
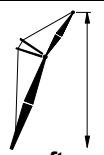
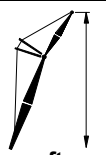
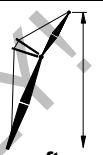
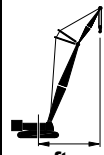
164.0 ft



232.9 ft

	75°			70°			65°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
90										90
95										95
100										100
105										105
110										110
115										115
120										120
125										125
130										130
135										135
140										140
145										145
150										150
155	64.5	376.7	148,500							155
160	63.1	374.1	141,600							160
165	61.7	371.4	135,200							165
170	60.3	368.5	129,100							170
175	58.8	365.4	123,400							175
180	57.4	362.2	118,000							180
185	55.9	358.8	112,800	59.9	363.1	100,600				185
190	54.4	355.1	108,000	58.4	360.0	96,100				190
195	52.8	351.3	103,400	57.0	356.7	91,800				195
200	51.2	347.2	99,000	55.5	353.2	87,800				200
205	49.6	342.9	94,900	53.9	349.5	83,900				205
210	48.0	338.4	90,900	52.4	345.6	80,300				210
215	46.2	333.6	87,200	50.8	341.5	76,800	54.9	346.1	66,300	215
220	44.5	328.4	83,600	49.2	337.1	73,400	53.4	342.3	63,200	220
225	42.7	323.0	80,100	47.5	332.5	70,200	51.8	338.4	60,200	225
230	40.8	317.1	76,800	45.8	327.6	67,100	50.2	334.2	57,400	230
235	38.8	310.9	73,600	44.0	322.4	64,200	48.5	329.7	54,700	235
240	36.8	304.2	70,600	42.1	316.8	61,400	46.9	325.0	52,100	240
245	34.6	296.9	67,600	40.2	310.9	58,600	45.1	319.9	49,500	245
250	32.3	289.0	64,800	38.2	304.5	56,000	43.3	314.6	47,100	250
255	29.8	280.4	62,000	36.2	297.6	53,500	41.5	308.9	44,800	255
260	27.1	270.7	59,400	34.0	290.2	51,000	39.5	302.8	42,600	260
265	24.2	259.8	56,800	31.6	282.1	48,700	37.5	296.3	40,400	265
270	20.8	247.0	54,300	29.1	273.2	46,400	35.4	289.2	38,300	270
275	16.8	231.4	51,800	26.4	263.2	44,200	33.1	281.6	36,300	275
280	11.3	209.6	49,200	23.3	251.9	42,000	30.7	273.2	34,300	280
285				19.8	238.5	39,800	28.1	263.9	32,400	285
290				15.5	221.6	37,700	25.3	253.5	30,500	290
300							18.3	227.0	26,800	300
310							4.6	172.5	22,800	310



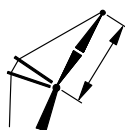
	 85°			 83°			 80°			
 ft		 ft	 lb		 ft	 lb		 ft	 lb	 ft
95	74.3	416.0	218,500							95
100	73.2	414.4	217,700							100
105	72.0	412.7	216,800							105
110	70.8	411.0	215,900	72.1	412.3	214,400				110
115	69.5	409.0	214,900	70.9	410.5	214,000				115
120	68.3	407.0	213,800	69.7	408.6	213,500				120
125	67.1	404.9	212,700	68.5	406.6	212,900				125
130	65.8	402.6	211,500	67.3	404.5	209,900	69.3	406.6	202,100	130
135	64.6	400.2	204,300	66.0	402.2	199,600	68.1	404.5	192,000	135
140	63.3	397.6	194,700	64.8	399.8	190,100	66.9	402.4	182,600	140
145	62.0	394.9	185,700	63.5	397.3	181,200	65.6	400.1	173,900	145
150	60.7	392.1	177,300	62.2	394.6	172,900	64.4	397.6	165,800	150
155	59.4	389.1	169,400	60.9	391.8	165,100	63.1	395.0	158,200	155
160	58.0	385.9	162,100	59.6	388.8	157,800	61.8	392.3	151,000	160
165	56.7	382.6	155,100	58.2	385.7	150,900	60.5	389.4	144,300	165
170	55.3	379.1	148,600	56.9	382.3	144,500	59.2	386.4	138,000	170
175	53.9	375.4	142,400	55.5	378.9	138,400	57.8	383.2	132,100	175
180	52.5	371.5	136,600	54.1	375.2	132,700	56.5	379.9	126,500	180
185	51.0	367.4	131,100	52.7	371.4	127,300	55.1	376.4	121,200	185
190	49.5	363.1	125,800	51.2	367.3	122,100	53.7	372.6	116,200	190
195	48.0	358.6	120,900	49.7	363.0	117,200	52.2	368.7	111,400	195
200	46.4	353.8	116,100	48.2	358.5	112,600	50.8	364.6	106,800	200
205	44.8	348.7	111,700	46.6	353.7	108,200	49.3	360.2	102,400	205
210	43.1	343.3	107,400	45.0	348.7	103,900	47.7	355.7	98,100	210
215	41.4	337.6	103,300	43.3	343.4	99,900	46.1	350.8	94,100	215
220	39.6	331.5	99,400	41.6	337.7	96,100	44.5	345.7	90,300	220
225	37.8	325.1	95,600	39.9	331.7	92,400	42.8	340.3	86,600	225
230	35.8	318.1	92,000	38.0	325.3	88,900	41.1	334.5	83,100	230
235	33.8	310.7	88,600	36.1	318.4	85,400	39.3	328.4	79,700	235
240	31.6	302.6	85,300	34.1	311.0	82,000	37.4	321.8	76,500	240
245	29.3	293.7	82,100	31.9	303.0	78,700	35.5	314.8	73,400	245
250	26.8	283.9	79,000	29.6	294.3	75,600	33.4	307.3	70,400	250
255	24.1	272.9	75,900	27.2	284.6	72,600	31.3	299.0	67,500	255
260	21.0	260.2	72,800	24.5	273.8	69,600	28.9	290.1	64,700	260
265	17.3	245.0	69,900	21.4	261.4	66,800	26.4	280.1	62,000	265
270	12.7	224.9	66,900	17.9	246.6	64,000	23.6	268.9	59,300	270
275	3.3	183.9	63,600	13.4	227.5	61,200	20.4	255.8	56,800	275
280				5.9	194.5	58,200	16.7	240.0	54,200	280
285							11.7	218.7	51,600	285
290										290
300										300
310										310



881,800 lb

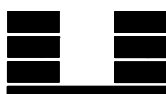


164.0 ft



252.6 ft

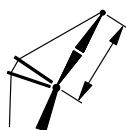
	75°			70°			65°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
95										95
100										100
105										105
110										110
115										115
120										120
125										125
130										130
135										135
140										140
145										145
150										150
155										155
160										160
165	64.1	393.7	131,200							165
170	62.8	391.1	125,200							170
175	61.5	388.4	119,500							175
180	60.2	385.5	114,100							180
185	58.9	382.4	109,100							185
190	57.5	379.2	104,300							190
195	56.2	375.8	99,700	59.9	380.0	87,800				195
200	54.8	372.2	95,400	58.5	376.9	83,800				200
205	53.4	368.5	91,200	57.2	373.7	80,000				205
210	51.9	364.5	87,300	55.8	370.2	76,400				210
215	50.4	360.3	83,600	54.4	366.6	72,900				215
220	48.9	355.9	80,000	53.0	362.8	69,600				220
225	47.4	351.3	76,600	51.5	358.8	66,400				225
230	45.8	346.4	73,300	50.0	354.5	63,400	53.9	359.5	53,400	230
235	44.2	341.2	70,200	48.5	350.1	60,500	52.4	355.6	50,700	235
240	42.5	335.7	67,200	47.0	345.4	57,700	51.0	351.5	48,100	240
245	40.7	329.9	64,300	45.4	340.4	55,000	49.5	347.2	45,600	245
250	38.9	323.7	61,500	43.7	335.1	52,400	47.9	342.6	43,300	250
255	37.0	317.0	58,800	42.0	329.6	49,900	46.4	337.8	41,000	255
260	35.1	309.9	56,200	40.2	323.6	47,500	44.8	332.7	38,800	260
265	33.0	302.2	53,700	38.4	317.3	45,200	43.1	327.4	36,600	265
270	30.8	293.9	51,300	36.5	310.5	43,000	41.4	321.7	34,600	270
275	28.4	284.7	48,900	34.5	303.2	40,800	39.6	315.6	32,600	275
280	25.8	274.5	46,600	32.4	295.4	38,700	37.7	309.1	30,700	280
285	23.0	262.9	44,400	30.1	286.8	36,700	35.8	302.2	28,800	285
290	19.7	249.4	42,200	27.7	277.4	34,700	33.7	294.7	27,000	290
300	10.4	209.4	37,800	22.1	254.8	30,900	29.3	277.7	23,600	300
310				14.5	222.7	27,100	24.0	256.9	20,200	310



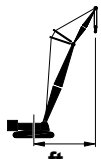
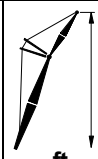
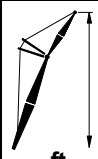
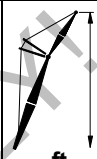
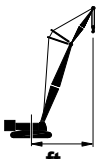
881,800 lb

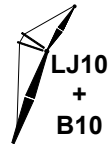


164.0 ft

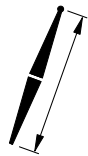


272.3 ft

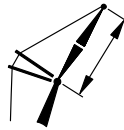
	 85°			 83°			 80°			
 ft		 ft	 lb		 ft	 lb		 ft	 lb	 ft
100	74.4	435.0	186,900							100
105	73.3	433.5	186,200							105
110	72.2	431.8	185,400							110
115	71.1	430.1	184,600	72.4	431.4	183,500				115
120	70.0	428.2	183,700	71.2	429.6	183,000				120
125	68.8	426.2	182,800	70.1	427.8	182,500				125
130	67.7	424.2	181,800	69.0	425.8	182,000				130
135	66.5	422.0	180,800	67.9	423.7	181,300	69.8	425.8	177,100	135
140	65.4	419.6	179,700	66.7	421.6	180,600	68.7	423.8	177,000	140
145	64.2	417.2	178,700	65.6	419.2	178,800	67.5	421.7	171,500	145
150	63.0	414.6	175,000	64.4	416.8	170,600	66.4	419.4	163,400	150
155	61.8	411.9	167,300	63.2	414.2	162,900	65.2	417.1	155,900	155
160	60.6	409.0	160,000	62.0	411.6	155,700	64.0	414.6	148,900	160
165	59.4	406.0	153,000	60.8	408.7	148,800	62.8	412.0	142,100	165
170	58.2	402.9	146,600	59.6	405.7	142,400	61.6	409.3	136,000	170
175	56.9	399.6	140,500	58.3	402.6	136,400	60.4	406.4	130,000	175
180	55.6	396.1	134,600	57.1	399.3	130,700	59.2	403.4	124,400	180
185	54.3	392.5	129,200	55.8	395.9	125,300	58.0	400.2	119,200	185
190	53.0	388.7	124,000	54.5	392.3	120,200	56.7	396.9	114,100	190
195	51.6	384.7	119,100	53.2	388.5	115,300	55.4	393.4	109,300	195
200	50.3	380.5	114,400	51.8	384.6	110,800	54.1	389.7	104,600	200
205	48.9	376.1	109,900	50.5	380.4	106,300	52.8	385.9	100,300	205
210	47.4	371.5	105,700	49.1	376.0	102,100	51.4	381.9	96,100	210
215	46.0	366.6	101,600	47.6	371.4	98,100	50.1	377.7	92,100	215
220	44.5	361.5	97,700	46.2	366.6	94,300	48.6	373.2	88,300	220
225	42.9	356.1	94,000	44.7	361.5	90,700	47.2	368.6	84,600	225
230	41.3	350.4	90,400	43.1	356.1	87,100	45.7	363.7	81,200	230
235	39.7	344.3	87,100	41.5	350.5	83,600	44.2	358.5	77,800	235
240	38.0	337.9	83,800	39.9	344.5	80,300	42.7	353.0	74,600	240
245	36.2	331.0	80,600	38.2	338.1	77,100	41.1	347.3	71,500	245
250	34.3	323.7	77,600	36.4	331.3	74,000	39.4	341.1	68,600	250
255	32.3	315.8	74,500	34.6	324.0	71,000	37.7	334.7	65,700	255
260	30.3	307.3	71,500	32.6	316.2	68,200	35.9	327.7	63,000	260
265	28.0	297.9	68,700	30.6	307.8	65,400	34.0	320.3	60,300	265
270	25.6	287.6	65,900	28.4	298.6	62,700	32.0	312.3	57,800	270
275	23.0	276.1	63,200	26.0	288.4	60,100	29.9	303.7	55,300	275
280	20.0	262.7	60,600	23.4	277.1	57,600	27.7	294.2	52,900	280
285	16.4	246.6	58,000	20.4	264.0	55,100	25.2	283.7	50,500	285
290	11.8	225.2	55,500	17.0	248.4	52,700	22.5	271.9	48,300	290
300				4.7	191.0	47,600	15.8	241.5	43,800	300
310										310
320										320
330										330



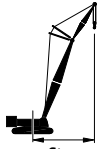
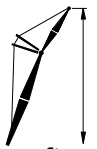
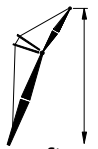
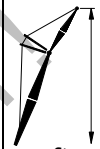
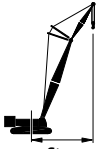
881,800 lb

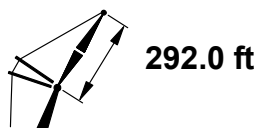
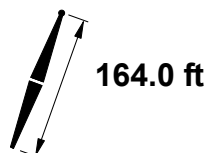


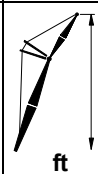
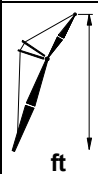
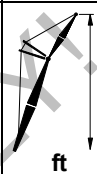
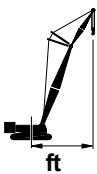
164.0 ft



272.3 ft

	 75°			 70°			 65°			
 ft	 °	 ft	 lb	 °	 ft	 lb	 °	 ft	 lb	 ft
100										100
105										105
110										110
115										115
120										120
125										125
130										130
135										135
140										140
145										145
150										150
155										155
160										160
165										165
170	65.0	413.2	122,600							170
175	63.8	410.7	116,900							175
180	62.6	408.1	111,600							180
185	61.4	405.3	106,600							185
190	60.2	402.4	101,800							190
195	58.9	399.4	97,300							195
200	57.7	396.2	92,900							200
205	56.4	392.8	88,900	59.8	397.0	77,300				205
210	55.1	389.3	85,000	58.6	393.9	73,700				210
215	53.8	385.6	81,300	57.3	390.7	70,300				215
220	52.5	381.7	77,700	56.1	387.3	67,000				220
225	51.1	377.6	74,300	54.8	383.7	63,900				225
230	49.8	373.4	71,100	53.5	379.9	60,900				230
235	48.3	368.9	68,000	52.1	376.0	58,000				235
240	46.9	364.2	65,000	50.8	371.9	55,200	54.3	376.6	45,400	240
245	45.4	359.2	62,100	49.4	367.6	52,600	53.0	372.8	43,000	245
250	43.9	354.0	59,400	47.9	363.0	50,000	51.6	368.8	40,700	250
255	42.3	348.5	56,700	46.5	358.2	47,600	50.3	364.6	38,400	255
260	40.7	342.6	54,200	45.0	353.2	45,200	48.9	360.2	36,200	260
265	39.0	336.4	51,700	43.5	347.9	43,000	47.4	355.5	34,200	265
270	37.3	329.9	49,300	41.9	342.3	40,800	45.9	350.7	32,100	270
275	35.5	322.8	47,000	40.3	336.4	38,700	44.4	345.5	30,200	275
280	33.6	315.3	44,800	38.6	330.1	36,600	42.9	340.1	28,300	280
285	31.6	307.2	42,700	36.8	323.4	34,600	41.3	334.4	26,500	285
290	29.5	298.4	40,600	35.0	316.2	32,700	39.6	328.3	24,700	290
300	24.7	278.0	36,600	31.0	300.3	29,000	36.1	315.0	21,400	300
310	18.7	251.6	32,700	26.5	281.3	25,500	32.3	299.8	18,200	310
320	9.5	209.0	28,800	21.1	257.6	22,200				320
330				13.6	223.6	18,900				330



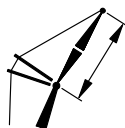
	 85°			 83°			 80°			
 ft		 ft	 lb		 ft	 lb		 ft	 lb	 ft
105	74.5	454.1	159,600							105
110	73.4	452.5	158,900							110
115	72.4	450.9	158,100							115
120	71.4	449.2	157,300	72.6	450.4	156,300				120
125	70.3	447.4	156,400	71.5	448.7	155,700				125
130	69.3	445.4	155,500	70.5	446.9	155,100				130
135	68.2	443.4	154,500	69.4	445.0	154,500				135
140	67.2	441.3	153,600	68.4	443.0	153,800				140
145	66.1	439.0	152,600	67.3	440.9	153,100	69.1	443.0	150,000	145
150	65.0	436.7	151,600	66.2	438.6	152,400	68.1	440.9	149,700	150
155	63.9	434.2	150,600	65.1	436.3	151,600	67.0	438.8	149,400	155
160	62.8	431.6	149,500	64.1	433.8	150,800	65.9	436.5	144,700	160
165	61.7	428.8	148,500	62.9	431.2	144,900	64.8	434.1	138,200	165
170	60.5	426.0	142,600	61.8	428.5	138,500	63.7	431.6	131,900	170
175	59.4	423.0	136,600	60.7	425.7	132,500	62.6	429.0	126,100	175
180	58.2	419.9	130,800	59.6	422.7	126,900	61.5	426.2	120,500	180
185	57.1	416.6	125,300	58.4	419.6	121,500	60.4	423.4	115,300	185
190	55.9	413.2	120,200	57.2	416.3	116,400	59.2	420.3	110,300	190
195	54.7	409.6	115,300	56.1	412.9	111,600	58.1	417.2	105,500	195
200	53.5	405.8	110,600	54.8	409.4	107,000	56.9	413.9	100,900	200
205	52.2	401.9	106,200	53.6	405.7	102,600	55.7	410.4	96,500	205
210	50.9	397.8	102,000	52.4	401.8	98,400	54.5	406.8	92,300	210
215	49.6	393.5	97,900	51.1	397.7	94,400	53.3	403.1	88,300	215
220	48.3	389.1	94,100	49.8	393.4	90,700	52.0	399.1	84,600	220
225	47.0	384.4	90,400	48.5	389.0	87,000	50.7	395.0	80,900	225
230	45.6	379.4	86,800	47.2	384.3	83,600	49.4	390.7	77,500	230
235	44.2	374.3	83,500	45.8	379.4	80,100	48.1	386.2	74,100	235
240	42.7	368.8	80,200	44.4	374.3	76,800	46.8	381.4	71,000	240
245	41.3	363.1	77,100	42.9	368.9	73,600	45.4	376.5	67,900	245
250	39.7	357.1	74,100	41.5	363.2	70,500	44.0	371.3	65,000	250
255	38.1	350.7	71,200	39.9	357.2	67,600	42.5	365.8	62,100	255
260	36.5	343.9	68,300	38.3	350.9	64,800	41.0	360.0	59,400	260
265	34.7	336.7	65,500	36.7	344.2	62,000	39.5	353.9	56,800	265
270	32.9	329.0	62,700	35.0	337.0	59,400	37.9	347.5	54,300	270
275	31.0	320.7	60,100	33.2	329.4	56,800	36.2	340.6	51,800	275
280	29.0	311.7	57,600	31.3	321.2	54,400	34.5	333.3	49,500	280
285	26.9	301.9	55,100	29.3	312.3	52,000	32.6	325.5	47,200	285
290	24.5	291.1	52,700	27.2	302.7	49,600	30.7	317.2	45,000	290
300	19.0	265.0	48,100	22.3	280.1	45,200	26.5	298.1	40,700	300
310	11.0	225.3	43,500	16.1	250.0	40,900	21.5	274.8	36,700	310
320				3.3	185.7	36,300	14.9	242.8	32,700	320
330										330
340										340



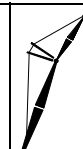
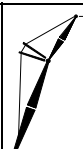
881,800 lb

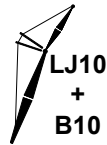


164.0 ft

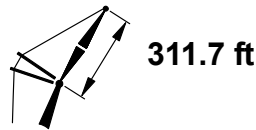
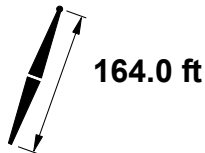


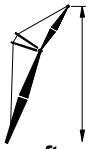
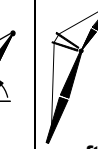
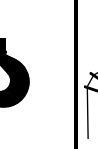
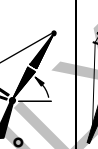
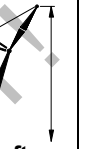
292.0 ft

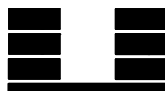
	75°			70°			65°			
										
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
105										105
110										110
115										115
120										120
125										125
130										130
135										135
140										140
145										145
150										150
155										155
160										160
165										165
170										170
175										175
180	64.6	430.2	107,500							180
185	63.5	427.7	102,400							185
190	62.4	425.0	97,700							190
195	61.3	422.3	93,200							195
200	60.1	419.4	88,900							200
205	59.0	416.3	84,800							205
210	57.8	413.1	81,000							210
215	56.6	409.8	77,300	59.8	413.9	66,100				215
220	55.4	406.3	73,700	58.7	410.9	62,800				220
225	54.2	402.7	70,400	57.5	407.6	59,700				225
230	53.0	398.9	67,100	56.3	404.3	56,700				230
235	51.7	394.9	64,100	55.1	400.7	53,900				235
240	50.5	390.7	61,100	53.9	397.1	51,100				240
245	49.2	386.4	58,300	52.6	393.2	48,500				245
250	47.8	381.8	55,500	51.4	389.2	46,000	54.7	393.7	36,400	250
255	46.5	377.0	52,900	50.1	385.0	43,600	53.4	389.9	34,200	255
260	45.1	372.0	50,400	48.8	380.6	41,200	52.2	386.0	32,000	260
265	43.7	366.8	47,900	47.5	375.9	39,000	50.9	381.9	30,000	265
270	42.2	361.2	45,600	46.1	371.1	36,800	49.6	377.6	28,000	270
275	40.7	355.4	43,300	44.7	366.0	34,700	48.3	373.1	26,100	275
280	39.1	349.2	41,100	43.3	360.7	32,700	47.0	368.4	24,200	280
285	37.5	342.7	39,000	41.8	355.0	30,700	45.6	363.5	22,400	285
290	35.8	335.8	37,000	40.3	349.1	28,900	44.2	358.3	20,700	290
300	32.3	320.5	33,100	37.1	336.2	25,200				300
310	28.3	302.7	29,300	33.6	321.6	21,800				310
320	23.6	281.3	25,800	29.8	304.9	18,600				320
330	17.8	253.6	22,400							330
340	8.7	208.2	18,900							340



881,800 lb



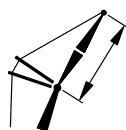
	85°			83°			80°			
										
	ft	ft	lb	ft	lb	ft	lb	ft	lb	ft
110	74.5	473.1	137,500							110
115	73.6	471.6	136,800							115
120	72.6	470.0	136,100							120
125	71.6	468.3	135,300	72.7	469.5	134,400				125
130	70.7	466.5	134,500	71.8	467.8	133,900				130
135	69.7	464.6	133,600	70.8	466.1	133,300				135
140	68.7	462.6	132,800	69.8	464.2	132,600				140
145	67.7	460.6	131,900	68.8	462.2	132,000				145
150	66.7	458.4	131,000	67.8	460.1	131,300	69.5	462.2	128,600	150
155	65.7	456.1	130,100	66.8	458.0	130,600	68.5	460.2	128,300	155
160	64.7	453.7	129,200	65.8	455.7	129,900	67.5	458.1	127,900	160
165	63.6	451.2	128,300	64.8	453.3	129,200	66.5	455.9	127,500	165
170	62.6	448.5	127,400	63.8	450.8	128,400	65.5	453.6	127,100	170
175	61.5	445.8	126,400	62.7	448.2	127,700	64.5	451.1	123,700	175
180	60.5	442.9	125,500	61.7	445.5	124,600	63.5	448.6	118,200	180
185	59.4	439.9	123,100	60.6	442.6	119,300	62.4	446.0	113,000	185
190	58.3	436.8	118,000	59.6	439.7	114,200	61.4	443.2	108,100	190
195	57.2	433.6	113,200	58.5	436.6	109,400	60.3	440.3	103,300	195
200	56.1	430.2	108,500	57.4	433.3	104,800	59.2	437.3	98,700	200
205	55.0	426.6	104,100	56.3	429.9	100,500	58.1	434.2	94,300	205
210	53.8	423.0	99,900	55.1	426.4	96,400	57.1	430.9	90,200	210
215	52.7	419.1	95,900	54.0	422.8	92,400	55.9	427.5	86,200	215
220	51.5	415.1	92,100	52.9	418.9	88,700	54.8	423.9	82,400	220
225	50.3	410.9	88,400	51.7	415.0	85,000	53.7	420.2	78,800	225
230	49.1	406.6	84,900	50.5	410.8	81,600	52.5	416.3	75,400	230
235	47.8	402.0	81,500	49.3	406.5	78,200	51.3	412.3	72,100	235
240	46.6	397.2	78,400	48.0	401.9	74,900	50.1	408.1	68,900	240
245	45.3	392.3	75,200	46.8	397.2	71,700	48.9	403.7	65,900	245
250	44.0	387.0	72,300	45.5	392.3	68,700	47.6	399.1	62,900	250
255	42.6	381.6	69,400	44.1	387.1	65,700	46.4	394.3	60,100	255
260	41.2	375.8	66,500	42.8	381.6	62,900	45.1	389.3	57,400	260
265	39.8	369.8	63,700	41.4	376.0	60,200	43.7	384.0	54,800	265
270	38.3	363.5	61,100	40.0	370.0	57,600	42.4	378.5	52,300	270
275	36.7	356.7	58,500	38.5	363.7	55,100	41.0	372.7	49,900	275
280	35.1	349.6	56,000	36.9	357.0	52,600	39.5	366.7	47,600	280
285	33.5	342.1	53,500	35.4	349.9	50,300	38.0	360.3	45,300	285
290	31.7	334.0	51,200	33.7	342.4	48,000	36.5	353.5	43,100	290
300	27.9	316.0	46,700	30.1	325.9	43,600	33.2	338.7	39,000	300
310	23.6	294.4	42,400	26.1	306.5	39,500	29.6	321.7	35,000	310
320	18.2	267.1	38,400	21.4	282.9	35,600	25.5	301.9	31,300	320
330	10.3	225.2	34,300	15.3	251.3	31,800	20.6	277.4	27,700	330
340							14.2	243.8	24,200	340



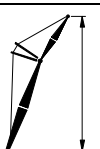
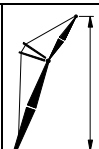
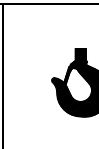
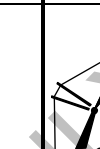
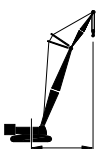
881,800 lb

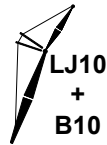


164.0 ft



311.7 ft

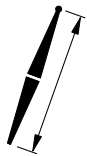
	75°			70°			65°			
										
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
110										110
115										115
120										120
125										125
130										130
135										135
140										140
145										145
150										150
155										155
160										160
165										165
170										170
175										175
180										180
185										185
190	64.3	447.2	95,200							190
195	63.2	444.7	90,700							195
200	62.2	442.0	86,500							200
205	61.1	439.2	82,400							205
210	60.1	436.3	78,500							210
215	59.0	433.3	74,900							215
220	57.9	430.1	71,400							220
225	56.8	426.8	68,000	59.8	430.9	57,100				225
230	55.7	423.4	64,800	58.7	427.8	54,200				230
235	54.6	419.8	61,800	57.6	424.6	51,300				235
240	53.4	416.0	58,800	56.5	421.3	48,600				240
245	52.3	412.1	56,000	55.4	417.8	46,000				245
250	51.1	408.1	53,300	54.3	414.2	43,500				250
255	49.9	403.8	50,700	53.1	410.4	41,100				255
260	48.6	399.4	48,200	51.9	406.4	38,800	55.0	410.7	29,400	260
265	47.4	394.7	45,800	50.7	402.3	36,600	53.8	407.0	27,400	265
270	46.1	389.9	43,400	49.5	398.0	34,400	52.7	403.2	25,400	270
275	44.8	384.8	41,200	48.3	393.5	32,400	51.5	399.2	23,500	275
280	43.5	379.5	39,000	47.0	388.8	30,400	50.3	395.0	21,700	280
285	42.1	374.0	36,900	45.7	383.9	28,400	49.1	390.6	19,900	285
290	40.7	368.1	34,900	44.4	378.8	26,600	47.8	386.1	18,200	290
300	37.7	355.5	31,000	41.7	367.8	23,000				300
310	34.5	341.4	27,400	38.8	355.6	19,700				310
320	31.1	325.3	24,000							320
330	27.2	306.8	20,700							330
340										340



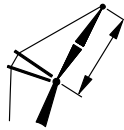
881,800 lb



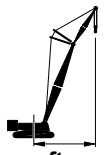
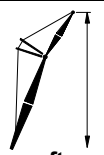
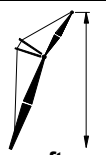
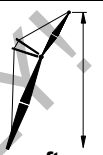
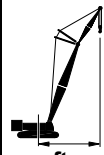
360°

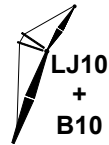


164.0 ft



331.4 ft

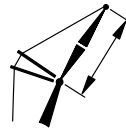
	 85°			 83°			 80°			
 ft		 ft	 lb		 ft	 lb		 ft	 lb	 ft
115	74.6	492.1	117,800							115
120	73.7	490.7	117,000							120
125	72.8	489.1	116,200							125
130	71.8	487.4	115,500	72.9	488.6	114,800				130
135	70.9	485.6	114,700	72.0	486.9	114,200				135
140	70.0	483.8	114,000	71.1	485.2	113,600				140
145	69.1	481.8	113,200	70.1	483.3	113,000				145
150	68.2	479.8	112,400	69.2	481.4	112,400				150
155	67.2	477.7	111,600	68.3	479.4	111,800	69.9	481.3	109,400	155
160	66.3	475.5	110,800	67.3	477.3	111,100	68.9	479.4	109,000	160
165	65.3	473.1	109,900	66.4	475.1	110,400	68.0	477.3	108,600	165
170	64.3	470.7	109,100	65.4	472.7	109,800	67.1	475.2	108,200	170
175	63.4	468.2	108,300	64.5	470.3	109,100	66.1	472.9	107,800	175
180	62.4	465.5	107,500	63.5	467.8	108,400	65.2	470.6	107,400	180
185	61.4	462.8	106,700	62.5	465.2	107,700	64.2	468.1	106,900	185
190	60.4	459.9	105,800	61.6	462.4	107,000	63.2	465.6	104,400	190
195	59.4	456.9	105,000	60.6	459.6	105,800	62.2	462.9	99,500	195
200	58.4	453.8	104,200	59.6	456.6	101,200	61.3	460.1	95,000	200
205	57.4	450.6	100,500	58.5	453.5	96,900	60.3	457.3	90,600	205
210	56.3	447.2	96,400	57.5	450.3	92,800	59.2	454.3	86,500	210
215	55.3	443.7	92,500	56.5	447.0	88,900	58.2	451.1	82,500	215
220	54.2	440.1	88,600	55.4	443.5	85,100	57.2	447.9	78,800	220
225	53.1	436.3	85,000	54.3	439.9	81,600	56.2	444.5	75,200	225
230	52.0	432.3	81,500	53.3	436.1	78,100	55.1	441.0	71,700	230
235	50.9	428.2	78,200	52.2	432.2	74,700	54.0	437.3	68,500	235
240	49.8	424.0	74,900	51.1	428.1	71,400	52.9	433.5	65,300	240
245	48.6	419.5	71,800	49.9	423.9	68,300	51.8	429.5	62,300	245
250	47.4	414.9	68,900	48.8	419.5	65,200	50.7	425.4	59,400	250
255	46.2	410.1	66,100	47.6	414.9	62,300	49.6	421.1	56,600	255
260	45.0	405.1	63,200	46.4	410.1	59,500	48.4	416.7	53,900	260
265	43.7	399.8	60,400	45.2	405.1	56,800	47.2	412.0	51,300	265
270	42.5	394.3	57,800	43.9	399.9	54,200	46.0	407.2	48,800	270
275	41.1	388.6	55,200	42.6	394.4	51,700	44.8	402.1	46,400	275
280	39.8	382.6	52,700	41.3	388.7	49,300	43.5	396.8	44,100	280
285	38.4	376.2	50,300	40.0	382.7	46,900	42.3	391.3	41,800	285
290	37.0	369.6	48,000	38.6	376.4	44,700	40.9	385.5	39,700	290
300	33.9	355.1	43,500	35.7	362.9	40,400	38.2	373.0	35,500	300
310	30.6	338.8	39,300	32.5	347.7	36,300	35.2	359.2	31,700	310
320	26.9	320.0	35,400	29.1	330.4	32,500	32.0	343.8	28,000	320
330	22.7	297.6	31,600	25.2	310.2	28,800	28.5	326.1	24,500	330
340	17.4	269.0	28,000	20.6	285.6	25,300	24.5	305.4	21,200	340
350	9.6	224.8	24,400	14.6	252.5	21,900	19.8	279.9	18,100	350



881,800 lb

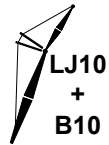


164.0 ft



331.4 ft

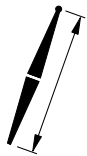
	75°			70°			
ft	ft	ft	lb	ft	lb	ft	ft
115							115
120							120
125							125
130							130
135							135
140							140
145							145
150							150
155							155
160							160
165							165
170							170
175							175
180							180
185							185
190							190
195	65.0	466.7	86,700				195
200	64.0	464.2	82,500				200
205	63.0	461.7	78,500				205
210	62.0	459.0	74,600				210
215	61.0	456.2	71,000				215
220	60.0	453.3	67,500				220
225	59.0	450.2	64,100				225
230	58.0	447.1	61,000				230
235	57.0	443.8	57,900	59.8	447.8	47,300	235
240	55.9	440.4	55,000	58.8	444.8	44,600	240
245	54.9	436.8	52,200	57.7	441.6	42,000	245
250	53.8	433.1	49,500	56.7	438.3	39,500	250
255	52.7	429.3	46,900	55.6	434.8	37,100	255
260	51.6	425.3	44,400	54.6	431.2	34,800	260
265	50.5	421.2	42,000	53.5	427.5	32,600	265
270	49.3	416.8	39,700	52.4	423.6	30,500	270
275	48.2	412.3	37,500	51.3	419.6	28,500	275
280	47.0	407.6	35,300	50.2	415.4	26,500	280
285	45.8	402.7	33,200	49.0	411.0	24,600	285
290	44.5	397.6	31,200	47.8	406.5	22,700	290
300	42.0	386.7	27,400	45.4	396.8	19,200	300
310	39.3	374.7	23,800				310
320	36.4	361.5	20,500				320
330							330
340							340
350							350



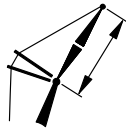
881,800 lb



360°



183.7 ft

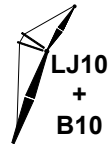


85.3 ft

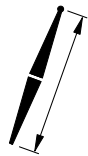
	85°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
55	71.9	273.2	514,100 d							55
60	68.2	271.1	479,300 c	72.9	273.0	477,500 d				60
65	64.5	268.6	448,900 c	69.3	270.9	447,100 c				65
70	60.6	265.7	422,000 b	65.5	268.5	420,300 c				70
75	56.5	262.2	398,000 b	61.7	265.7	396,400 b	68.9	269.1	394,200 c	75
80	52.2	258.2	370,800	57.7	262.4	369,300 b	65.2	266.7	367,300 b	80
85	47.6	253.6	346,100	53.5	258.6	344,700	61.3	263.8	342,700 b	85
90	42.6	248.0	324,500	49.0	254.2	323,100	57.3	260.5	321,200 b	90
95	37.1	241.4	305,400	44.1	248.9	304,100	53.0	256.6	302,300	95
100	30.5	233.0	288,600	38.7	242.6	287,200	48.5	252.1	285,500	100
105	22.0	221.4	273,500	32.4	234.8	272,200	43.6	246.7	270,400	105
110				24.7	224.3	258,700	38.1	240.3	256,900	110
115				12.0	206.1	246,700	31.8	232.3	244,700	115
120							23.8	221.5	233,700	120
125							9.6	201.0	223,800	125
130										130
135										135
140										140
145										145
150										150
155										155
160										160
165										165
170										170

MLC650 S-3

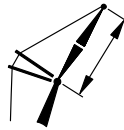
ASME B30.5



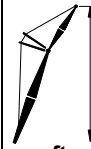
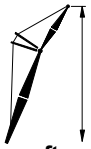
881,800 lb

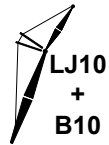


183.7 ft



85.3 ft

	75°			70°			65°			
										
	ft	ft	lb		ft	lb		ft	lb	ft
55										55
60										60
65										65
70										70
75										75
80										80
85										85
90										90
95										95
100	61.8	260.5	282,900 b							100
105	57.8	257.2	267,900 b							105
110	53.6	253.4	254,500							110
115	49.1	249.0	242,300							115
120	44.2	243.7	231,300	58.0	252.3	215,600				120
125	38.9	237.5	221,100	53.8	248.5	204,600				125
130	32.7	229.7	210,000	49.3	244.1	194,400				130
135	25.0	219.4	199,500	44.5	238.9	185,000				135
140	12.6	201.7	189,200	39.1	232.7	176,100	53.6	241.9	161,300	140
145				33.0	225.0	167,800	49.1	237.4	153,800	145
150				25.4	214.9	159,800	44.2	232.2	146,700	150
155				13.6	198.0	151,800	38.8	225.9	140,000	155
160							32.7	218.2	133,600	160
165							24.9	207.8	127,400	165
170							12.6	190.2	121,000	170



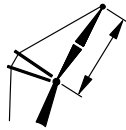
881,800 lb



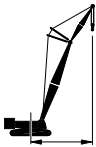
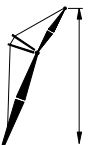
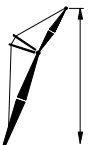
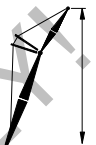
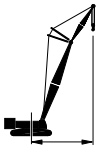
360°



183.7 ft

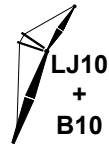


95.1 ft

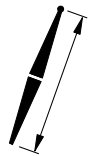
	 85°			 83°			 80°			
 ft	 o	 ft	 lb	 o	 ft	 lb	 o	 ft	 lb	 ft
55	73.8	283.7	509,500 c							55
60	70.6	281.8	475,500 c							60
65	67.3	279.6	445,600 c	71.5	281.6	443,900 c				65
70	64.0	277.1	419,100 b	68.3	279.5	417,500 b				70
75	60.5	274.1	395,600 b	64.9	277.0	394,000 b				75
80	56.8	270.8	370,800	61.5	274.2	369,400 b	67.9	277.7	367,400 b	80
85	53.0	266.9	346,100	57.9	270.9	344,700	64.6	275.2	342,800 b	85
90	49.0	262.4	324,500	54.1	267.2	323,200	61.1	272.3	321,300 b	90
95	44.7	257.3	305,400	50.2	263.0	304,200	57.5	269.0	302,400	95
100	40.0	251.3	288,500	45.9	258.0	287,300	53.7	265.2	285,600	100
105	34.7	244.0	273,400	41.3	252.3	272,200	49.8	260.9	270,500	105
110	28.5	235.0	259,800	36.2	245.4	258,600	45.5	255.9	257,000	110
115	20.4	222.5	247,600	30.3	237.0	246,300	40.9	250.1	244,700	115
120				22.9	225.7	235,200	35.7	243.1	233,600	120
125				10.5	205.7	225,300	29.7	234.4	223,500	125
130							22.1	222.8	214,300	130
135							7.9	199.9	206,000	135
140										140
145										145
150										150
155										155
160										160
165										165
170										170
175										175
180										180

MLC650 S-3

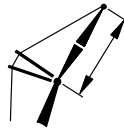
ASME B30.5



881,800 lb

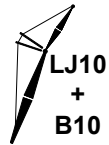


183.7 ft

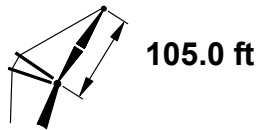
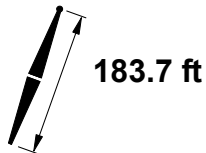


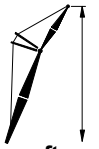
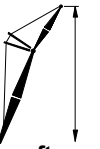
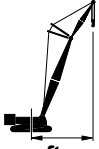
95.1 ft

	75°			70°			65°			
ft			lb			lb			lb	ft
55										55
60										60
65										65
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105	61.6	268.9	268,100							105
110	58.0	265.7	254,600							110
115	54.2	262.0	242,400							115
120	50.3	257.7	230,500							120
125	46.1	252.8	218,700	58.2	260.8	201,500				125
130	41.5	247.1	207,800	54.4	257.1	191,400				130
135	36.4	240.3	197,700	50.5	252.9	182,100				135
140	30.5	231.9	188,200	46.3	248.0	173,400				140
145	23.2	220.8	179,100	41.7	242.3	165,300	54.2	250.5	150,600	145
150	11.1	201.4	170,100	36.7	235.6	157,700	50.3	246.2	143,600	150
155				30.8	227.3	150,400	46.1	241.3	137,100	155
160				23.6	216.3	143,400	41.5	235.6	130,900	160
165				12.1	197.9	136,400	36.4	228.8	125,000	165
170							30.5	220.4	119,400	170
175							23.2	209.2	113,900	175
180							11.1	189.9	108,200	180



881,800 lb



	85°			83°			80°			
										
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
60	72.5	292.3	471,200 c							60
65	69.6	290.4	442,000 b							65
70	66.6	288.1	416,000 b	70.4	290.2	414,500 b				70
75	63.5	285.5	392,900 b	67.4	288.0	391,400 b				75
80	60.4	282.6	370,600	64.4	285.5	369,200 b				80
85	57.1	279.3	345,900	61.3	282.7	344,500	67.2	286.2	342,600 b	85
90	53.7	275.5	324,300	58.0	279.4	323,000	64.1	283.7	321,200	90
95	50.1	271.2	305,200	54.6	275.8	304,000	61.0	280.8	302,300	95
100	46.3	266.4	288,300	51.1	271.7	287,100	57.7	277.5	285,500	100
105	42.2	260.8	273,100	47.4	267.0	272,000	54.3	273.8	270,400	105
110	37.7	254.3	259,500	43.4	261.6	258,400	50.8	269.7	256,900	110
115	32.7	246.5	247,200	39.0	255.4	246,100	47.0	264.9	244,600	115
120	26.7	236.8	236,100	34.2	248.0	235,000	43.0	259.5	233,500	120
125	18.9	223.4	225,900	28.5	239.0	224,800	38.6	253.1	223,400	125
130				21.4	226.9	215,600	33.7	245.6	214,100	130
135				9.1	205.0	207,200	27.9	236.4	205,600	135
140							20.6	223.9	197,700	140
145							6.2	198.2	190,700	145
150										150
155										155
160										160
165										165
170										170
175										175
180										180
185										185
190										190

MLC650 S-3

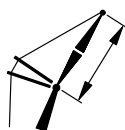
ASME B30.5



881,800 lb

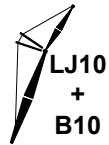


183.7 ft



105.0 ft

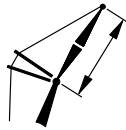
	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
60										60
65										65
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105	64.5	280.2	268,000							105
110	61.4	277.4	254,500							110
115	58.1	274.2	241,700							115
120	54.8	270.6	229,100							120
125	51.2	266.5	217,400							125
130	47.5	261.8	206,700	58.3	269.3	189,700				130
135	43.5	256.4	196,700	54.9	265.7	180,500				135
140	39.2	250.2	187,400	51.4	261.6	172,000				140
145	34.3	242.9	178,600	47.7	256.9	164,000				145
150	28.7	233.9	170,400	43.7	251.6	156,500	54.8	259.1	141,900	150
155	21.7	222.0	162,500	39.4	245.5	149,400	51.2	254.9	135,500	155
160	9.8	200.9	154,500	34.6	238.2	142,700	47.5	250.3	129,400	160
165				29.0	229.3	136,400	43.5	244.9	123,700	165
170				22.1	217.6	130,200	39.2	238.7	118,300	170
175				10.8	197.6	123,900	34.3	231.4	113,100	175
180							28.7	222.4	108,100	180
185							21.7	210.5	103,200	185
190							9.8	189.3	98,000	190



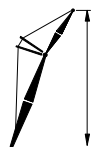
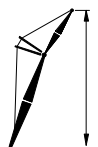
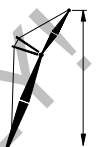
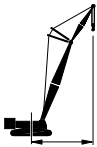
881,800 lb



183.7 ft

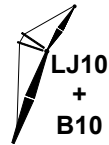


114.8 ft

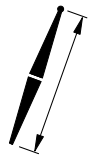
	 85°			 83°			 80°			
 ft	 ft	 ft	 lb	 ft	 ft	 lb	 ft	 ft	 lb	 ft
60	74.1	302.7	466,900 b							60
65	71.4	301.0	438,300 b							65
70	68.8	298.9	412,900 b	72.2	300.7	411,400 b				70
75	66.0	296.6	390,200 b	69.5	298.7	388,700 b				75
80	63.2	294.0	369,700	66.8	296.5	368,300				80
85	60.3	291.1	346,000	64.0	294.0	344,600	69.2	297.0	342,800	85
90	57.3	287.8	324,400	61.1	291.1	323,100	66.5	294.7	321,300	90
95	54.2	284.1	305,300	58.2	287.9	304,100	63.7	292.1	302,400	95
100	51.0	279.9	288,400	55.1	284.4	287,200	60.8	289.2	285,600	100
105	47.6	275.3	273,200	51.9	280.4	272,100	57.9	286.0	270,500	105
110	44.0	270.0	259,600	48.5	275.8	258,500	54.8	282.4	257,000	110
115	40.1	264.0	247,200	45.0	270.8	246,200	51.6	278.3	244,700	115
120	35.8	257.1	236,000	41.2	265.0	235,000	48.2	273.8	233,600	120
125	31.0	248.8	225,800	37.0	258.3	224,800	44.6	268.7	223,400	125
130	25.3	238.5	216,500	32.4	250.5	215,500	40.8	262.8	214,100	130
135	17.7	224.2	208,000	27.0	240.8	206,900	36.6	256.0	205,600	135
140				20.1	228.0	199,100	31.9	248.0	197,700	140
145				7.8	204.0	192,000	26.4	238.2	189,500	145
150							19.3	224.9	181,000	150
155							4.2	195.1	172,400	155
160										160
165										165
170										170
175										175
180										180
185										185
190										190
195										195
200										200

MLC650 S-3

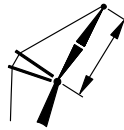
ASME B30.5



881,800 lb

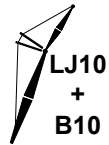


183.7 ft



114.8 ft

	75°			70°			65°			
ft			lb			lb			lb	ft
60										60
65										65
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110	64.1	288.7	252,500							110
115	61.2	285.9	238,700							115
120	58.2	282.7	226,100							120
125	55.2	279.1	214,600							125
130	52.0	275.1	203,900							130
135	48.6	270.6	194,000	58.4	277.8	177,400				135
140	45.1	265.6	184,800	55.3	274.2	168,900				140
145	41.3	259.8	176,200	52.2	270.2	161,000				145
150	37.1	253.2	168,200	48.8	265.8	153,600				150
155	32.5	245.4	160,600	45.3	260.8	146,600				155
160	27.1	235.8	153,400	41.5	255.0	140,100	52.0	263.6	126,300	160
165	20.3	223.2	146,400	37.4	248.5	133,900	48.6	259.1	120,700	165
170	8.6	200.1	139,300	32.8	240.7	128,000	45.1	254.1	115,300	170
175				27.4	231.3	122,400	41.3	248.3	110,300	175
180				20.7	218.8	116,900	37.1	241.7	105,500	180
185				9.6	197.1	111,300	32.5	233.9	100,800	185
190							27.1	224.3	96,400	190
195							20.3	211.6	92,000	195
200							8.5	188.5	87,300	200



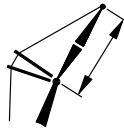
881,800 lb



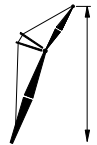
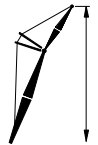
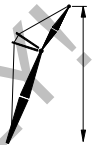
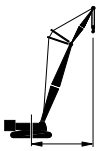
360°



183.7 ft



124.7 ft

	 85°			 83°			 80°			
 ft		 ft	 lb		 ft	 lb		 ft	 lb	 ft
65	73.0	311.4	434,300 b							65
70	70.5	309.6	409,400 b							70
75	68.0	307.5	387,100	71.2	309.3	385,700 b				75
80	65.5	305.1	367,100	68.7	307.3	365,700				80
85	62.9	302.5	345,300	66.2	305.0	344,000				85
90	60.2	299.5	323,800	63.6	302.5	322,600	68.5	305.5	320,800	90
95	57.5	296.3	304,800	61.0	299.6	303,600	66.0	303.2	301,900	95
100	54.7	292.6	287,900	58.3	296.4	286,800	63.4	300.6	285,200	100
105	51.7	288.6	272,800	55.4	292.9	271,700	60.7	297.7	270,100	105
110	48.6	284.1	259,100	52.5	289.0	258,100	58.0	294.5	256,600	110
115	45.4	279.1	246,800	49.5	284.6	245,800	55.2	291.0	244,400	115
120	41.9	273.5	235,600	46.3	279.8	234,600	52.2	287.0	233,300	120
125	38.2	267.1	225,400	42.9	274.3	224,400	49.2	282.6	223,100	125
130	34.1	259.7	216,000	39.2	268.2	215,100	46.0	277.7	213,800	130
135	29.4	250.9	207,400	35.3	261.1	206,500	42.6	272.2	205,300	135
140	23.9	240.1	199,500	30.8	252.8	198,600	38.9	265.9	197,400	140
145	16.6	224.9	192,300	25.6	242.6	191,300	34.9	258.8	190,100	145
150				18.9	229.0	184,600	30.3	250.3	181,900	150
155				6.6	202.6	178,500	25.0	239.9	173,900	155
160							18.2	225.8	166,500	160
165										165
170										170
175										175
180										180
185										185
190										190
195										195
200										200
205										205
210										210

MLC650 S-3

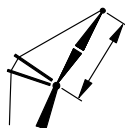
ASME B30.5



881,800 lb

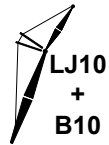


183.7 ft



124.7 ft

	75°			70°			65°			
ft		ft	lb		ft	lb		ft	lb	ft
65										65
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115	63.7	297.2	238,800							115
120	61.1	294.4	226,300							120
125	58.3	291.2	214,800							125
130	55.5	287.7	204,200							130
135	52.6	283.8	194,300							135
140	49.6	279.4	185,200	58.5	286.3	169,000				140
145	46.4	274.6	176,700	55.7	282.8	161,200				145
150	43.0	269.2	168,700	52.8	278.9	153,800				150
155	39.4	263.0	161,300	49.7	274.6	146,900				155
160	35.4	256.0	154,200	46.6	269.8	140,500				160
165	30.9	247.7	147,500	43.2	264.4	134,400	52.6	272.3	120,800	165
170	25.8	237.6	141,200	39.5	258.3	128,600	49.6	267.9	115,600	170
175	19.2	224.2	135,000	35.6	251.2	123,200	46.4	263.1	110,600	175
180	7.4	199.0	128,600	31.2	243.0	117,900	43.0	257.7	105,900	180
185				26.0	233.0	112,900	39.4	251.5	101,400	185
190				19.6	219.9	108,000	35.4	244.5	97,100	190
195				8.5	196.3	102,900	30.9	236.2	92,900	195
200							25.8	226.1	88,900	200
205							19.2	212.6	84,900	205
210							7.3	187.4	80,600	210



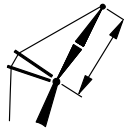
881,800 lb



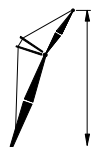
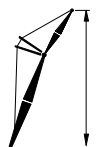
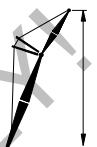
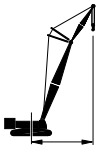
360°



183.7 ft

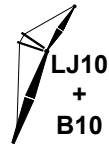


134.5 ft

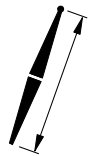
	 85°			 83°			 80°			
 ft		 ft	 lb		 ft	 lb		 ft	 lb	 ft
65	74.3	321.8	430,700 b							65
70	72.0	320.1	406,300							70
75	69.7	318.2	384,400	72.6	319.8	383,000				75
80	67.4	316.0	364,700	70.4	317.9	363,300				80
85	65.1	313.6	345,500	68.1	315.9	344,200				85
90	62.6	311.0	323,900	65.7	313.5	322,700				90
95	60.2	308.0	304,900	63.3	310.9	303,800	67.8	314.1	302,100	95
100	57.6	304.8	288,000	60.9	308.1	286,900	65.5	311.7	285,300	100
105	55.0	301.2	272,900	58.4	304.9	271,800	63.1	309.1	270,300	105
110	52.3	297.3	259,300	55.8	301.4	258,200	60.6	306.2	256,800	110
115	49.5	292.9	246,900	53.1	297.6	245,900	58.1	303.0	244,500	115
120	46.5	288.1	235,700	50.3	293.4	234,800	55.5	299.5	233,400	120
125	43.4	282.8	225,500	47.4	288.7	224,600	52.8	295.6	223,300	125
130	40.1	276.8	216,100	44.3	283.5	215,200	50.0	291.4	213,900	130
135	36.5	270.0	207,500	41.0	277.7	206,600	47.1	286.6	205,400	135
140	32.6	262.2	199,500	37.5	271.2	198,700	44.0	281.4	197,000	140
145	28.1	253.0	192,200	33.7	263.7	191,300	40.7	275.5	188,200	145
150	22.8	241.5	185,400	29.4	254.9	184,500	37.2	268.9	179,800	150
155	15.6	225.4	179,100	24.4	244.2	178,200	33.3	261.3	172,100	155
160				17.9	229.9	171,400	29.0	252.4	164,700	160
165				5.2	200.5	164,000	23.8	241.4	157,700	165
170							17.1	226.6	151,100	170
175										175
180										180
185										185
190										190
195										195
200										200
205										205
210										210
215										215
220										220

MLC650 S-3

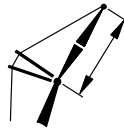
ASME B30.5



881,800 lb

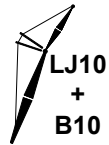


183.7 ft



134.5 ft

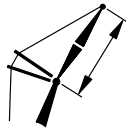
	75°			70°			65°			
ft		ft	lb		ft	lb		ft	lb	ft
65										65
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115										115
120	63.4	305.7	223,300							120
125	60.9	302.8	211,800							125
130	58.4	299.7	201,300							130
135	55.8	296.2	191,500							135
140	53.2	292.4	182,400							140
145	50.4	288.2	174,000	58.6	294.7	158,100				145
150	47.5	283.5	166,100	56.0	291.3	150,800				150
155	44.4	278.3	158,700	53.3	287.5	144,000				155
160	41.1	272.6	151,800	50.5	283.3	137,600				160
165	37.7	266.1	145,200	47.6	278.7	131,600				165
170	33.8	258.6	139,000	44.6	273.5	125,900	53.2	280.9	112,400	170
175	29.5	249.9	133,100	41.3	267.8	120,500	50.4	276.7	107,500	175
180	24.5	239.2	127,500	37.8	261.3	115,400	47.5	272.0	102,900	180
185	18.1	225.1	121,900	34.0	253.9	110,500	44.4	266.8	98,500	185
190	6.2	197.5	116,100	29.8	245.2	105,900	41.1	261.0	94,200	190
195				24.8	234.7	101,400	37.6	254.5	90,200	195
200				18.5	220.8	96,900	33.8	247.1	86,400	200
205				7.4	195.3	92,200	29.5	238.3	82,600	205
210							24.5	227.7	79,000	210
215							18.1	213.5	75,400	215
220							6.2	185.9	71,400	220



881,800 lb

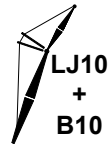


183.7 ft



144.4 ft

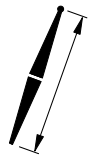
	85°			83°			80°			
ft			lb			lb			lb	ft
70	73.3	330.5	403,200							70
75	71.2	328.7	381,700							75
80	69.1	326.8	362,300	71.8	328.5	361,000				80
85	66.9	324.6	344,700	69.7	326.5	343,400				85
90	64.7	322.1	323,800	67.5	324.4	322,600				90
95	62.4	319.4	304,800	65.3	322.0	303,600	69.4	324.8	302,000	95
100	60.1	316.5	287,900	63.1	319.4	286,800	67.3	322.6	285,200	100
105	57.8	313.3	272,800	60.8	316.5	271,700	65.1	320.2	270,200	105
110	55.3	309.7	259,100	58.4	313.4	258,100	62.8	317.6	256,700	110
115	52.8	305.9	246,800	56.0	310.0	245,900	60.5	314.7	244,500	115
120	50.2	301.6	235,600	53.5	306.2	234,700	58.2	311.5	233,300	120
125	47.5	297.0	225,400	51.0	302.1	224,500	55.8	308.0	223,200	125
130	44.7	291.9	216,000	48.3	297.6	215,100	53.3	304.2	213,900	130
135	41.7	286.2	207,400	45.5	292.6	206,500	50.7	300.1	204,900	135
140	38.5	279.9	199,400	42.5	287.1	198,600	48.0	295.5	195,500	140
145	35.0	272.8	192,000	39.4	280.9	191,200	45.2	290.5	186,700	145
150	31.2	264.6	185,200	36.0	274.0	184,400	42.2	284.9	178,400	150
155	26.9	254.9	178,900	32.3	266.2	177,900	39.1	278.7	170,700	155
160	21.7	242.8	173,000	28.2	257.0	170,500	35.7	271.7	163,400	160
165	14.7	225.9	167,500	23.3	245.7	163,300	31.9	263.8	156,600	165
170				17.0	230.6	156,500	27.7	254.4	150,100	170
175				3.4	197.0	150,000	22.7	242.9	144,000	175
180							16.2	227.2	137,900	180
185										185
190										190
195										195
200										200
205										205
210										210
215										215
220										220
225										225
230										230



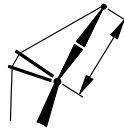
881,800 lb



360°

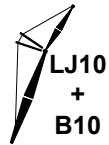


183.7 ft



144.4 ft

	75°			70°			65°			
ft		ft	lb		ft	lb		ft	lb	ft
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115										115
120										120
125	63.1	314.2	209,800							125
130	60.8	311.3	199,300							130
135	58.5	308.2	189,600							135
140	56.1	304.7	180,500							140
145	53.6	301.0	172,100							145
150	51.0	296.9	164,300	58.6	303.2	148,700				150
155	48.4	292.4	157,000	56.2	299.8	142,000				155
160	45.6	287.4	150,100	53.7	296.1	135,600				160
165	42.6	281.9	143,600	51.2	292.0	129,600				165
170	39.5	275.8	137,500	48.5	287.5	124,000				170
175	36.1	268.9	131,700	45.7	282.5	118,700	53.6	289.5	105,500	175
180	32.4	261.1	126,200	42.8	277.1	113,700	51.0	285.3	100,900	180
185	28.3	251.9	120,900	39.7	271.0	108,900	48.4	280.8	96,500	185
190	23.4	240.7	115,800	36.3	264.2	104,300	45.6	275.9	92,400	190
195	17.2	225.9	110,900	32.6	256.4	99,900	42.6	270.4	88,400	195
200	4.9	195.3	105,500	28.5	247.3	95,700	39.5	264.3	84,600	200
205				23.7	236.3	91,700	36.1	257.4	81,000	205
210				17.6	221.6	87,700	32.4	249.6	77,500	210
215				6.4	193.9	83,300	28.3	240.4	74,100	215
220							23.4	229.2	70,800	220
225							17.2	214.3	67,500	225
230							4.8	183.7	63,800	230



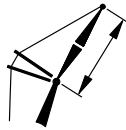
881,800 lb



360°

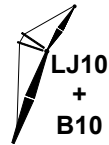


183.7 ft

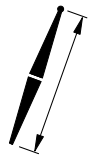


154.2 ft

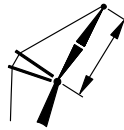
	85°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
70	74.4	340.8	399,900							70
75	72.4	339.2	378,900							75
80	70.5	337.4	359,800	73.0	338.9	358,500				80
85	68.5	335.3	342,500	71.0	337.1	341,200				85
90	66.4	333.1	323,900	69.0	335.1	322,700				90
95	64.4	330.6	304,900	67.0	332.9	303,800				95
100	62.2	327.9	288,000	64.9	330.5	286,900	68.8	333.3	285,400	100
105	60.1	325.0	272,900	62.8	327.9	271,900	66.8	331.1	270,400	105
110	57.9	321.8	259,300	60.7	325.0	258,300	64.7	328.7	256,900	110
115	55.6	318.3	247,000	58.5	321.9	246,000	62.6	326.0	244,600	115
120	53.3	314.5	235,700	56.2	318.5	234,800	60.5	323.1	233,500	120
125	50.9	310.3	225,500	53.9	314.8	224,600	58.3	320.0	223,300	125
130	48.4	305.8	216,100	51.6	310.7	215,300	56.0	316.5	212,700	130
135	45.8	300.9	207,500	49.1	306.3	206,600	53.7	312.8	202,600	135
140	43.0	295.5	199,500	46.5	301.5	198,700	51.3	308.7	193,100	140
145	40.1	289.5	192,100	43.8	296.3	191,300	48.8	304.3	184,300	145
150	37.0	282.9	185,300	41.0	290.5	183,800	46.2	299.5	176,100	150
155	33.7	275.4	178,900	37.9	284.0	175,900	43.5	294.1	168,400	155
160	30.0	266.8	172,900	34.7	276.8	168,500	40.7	288.3	161,200	160
165	25.8	256.7	165,900	31.1	268.5	161,400	37.6	281.8	154,400	165
170	20.8	244.1	159,200	27.0	258.9	154,800	34.3	274.4	148,000	170
175	13.9	226.3	152,700	22.3	247.1	148,500	30.7	266.1	142,000	175
180				16.1	231.3	142,500	26.6	256.3	136,200	180
185							21.8	244.2	130,500	185
190							15.4	227.8	124,900	190
195										195
200										200
205										205
210										210
215										215
220										220
225										225
230										230
235										235
240										240



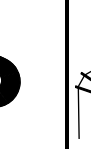
881,800 lb

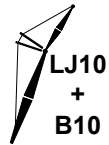


183.7 ft



154.2 ft

	75°			70°			65°			
										
	ft	ft	ft	lb	ft	ft	lb	ft	lb	ft
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115										115
120										120
125										125
130										130
135										135
140										140
145										145
150										150
155										155
160										160
165										165
170										170
175										175
180										180
185										185
190										190
195										195
200										200
205										205
210										210
215										215
220										220
225										225
230										230
235										235
240										240



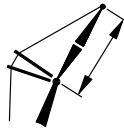
881,800 lb



360°

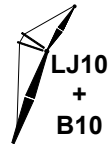


183.7 ft

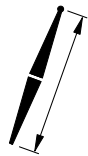


164.0 ft

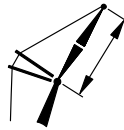
	85°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
75	73.5	349.6	376,000							75
80	71.7	347.9	357,300							80
85	69.8	346.0	340,300	72.2	347.6	339,000				85
90	67.9	343.9	323,600	70.3	345.7	322,400				90
95	66.0	341.6	304,700	68.5	343.7	303,500				95
100	64.1	339.1	287,800	66.5	341.5	286,700				100
105	62.1	336.4	272,700	64.6	339.0	271,700	68.3	341.9	270,200	105
110	60.0	333.4	259,100	62.6	336.4	258,100	66.4	339.6	256,700	110
115	58.0	330.2	246,800	60.6	333.5	245,800	64.4	337.2	244,500	115
120	55.9	326.8	235,600	58.6	330.4	234,700	62.4	334.5	233,400	120
125	53.7	323.1	225,300	56.5	327.0	224,500	60.4	331.6	223,000	125
130	51.4	319.0	216,000	54.3	323.3	215,100	58.4	328.5	212,000	130
135	49.1	314.6	207,300	52.1	319.4	206,500	56.2	325.1	201,900	135
140	46.7	309.8	199,300	49.8	315.1	198,600	54.1	321.4	192,400	140
145	44.2	304.7	192,000	47.4	310.4	191,200	51.8	317.4	183,700	145
150	41.5	299.0	185,100	44.9	305.4	183,300	49.5	313.1	175,500	150
155	38.7	292.7	178,700	42.3	299.8	175,400	47.1	308.4	167,900	155
160	35.7	285.7	172,700	39.5	293.7	168,100	44.6	303.2	160,700	160
165	32.5	277.9	165,700	36.6	287.0	161,100	42.0	297.7	154,000	165
170	28.9	268.9	159,000	33.4	279.4	154,500	39.2	291.5	147,600	170
175	24.8	258.4	152,700	29.9	270.8	148,300	36.3	284.7	141,700	175
180	19.9	245.2	146,600	26.0	260.7	142,400	33.1	277.0	135,900	180
185	13.2	226.5	140,800	21.4	248.4	136,800	29.6	268.3	130,500	185
190				15.4	231.9	131,400	25.6	258.0	125,200	190
195							20.9	245.5	120,100	195
200							14.6	228.3	115,000	200
205										205
210										210
215										215
220										220
225										225
230										230
235										235
240										240
245										245



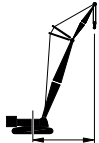
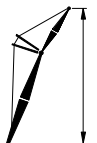
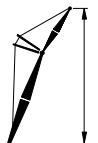
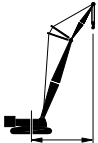
881,800 lb

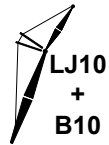


183.7 ft



164.0 ft

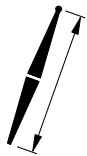
	 75°			 70°			 65°			
 ft		 ft	 lb		 ft	 lb		 ft	 lb	 ft
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115										115
120										120
125										125
130	64.7	333.8	195,500							130
135	62.7	331.1	185,800							135
140	60.7	328.2	176,900							140
145	58.6	325.1	168,600							145
150	56.5	321.8	160,800							150
155	54.4	318.1	153,500							155
160	52.1	314.2	146,700	58.7	320.2	131,700				160
165	49.8	309.9	140,300	56.6	316.8	125,800				165
170	47.4	305.2	134,300	54.5	313.2	120,300				170
175	45.0	300.2	128,600	52.2	309.3	115,100				175
180	42.4	294.6	123,300	49.9	305.0	110,100				180
185	39.6	288.6	118,100	47.6	300.4	105,400	54.4	306.6	92,600	185
190	36.7	281.8	113,300	45.1	295.3	101,000	52.1	302.6	88,500	190
195	33.5	274.3	108,700	42.5	289.8	96,700	49.8	298.4	84,600	195
200	30.1	265.7	104,200	39.8	283.8	92,700	47.4	293.7	80,900	200
205	26.1	255.7	100,000	36.8	277.1	88,800	45.0	288.7	77,400	205
210	21.5	243.5	95,800	33.7	269.6	85,100	42.4	283.1	74,100	210
215	15.6	227.2	91,700	30.2	261.1	81,600	39.6	277.0	70,900	215
220				26.4	251.1	78,100	36.7	270.3	67,800	220
225				21.8	239.1	74,800	33.5	262.8	64,800	225
230				15.9	223.0	71,400	30.1	254.2	61,900	230
235				3.9	189.1	67,600	26.1	244.2	59,100	235
240							21.5	232.0	56,300	240
245							15.6	215.6	53,500	245



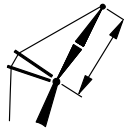
881,800 lb



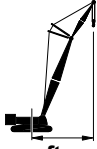
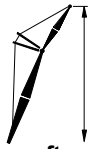
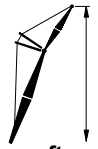
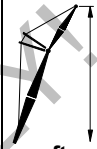
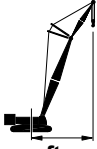
360°



183.7 ft



173.9 ft

	 85°			 83°			 80°			
 ft		 ft	 lb		 ft	 lb		 ft	 lb	 ft
75	74.5	359.9	372,900							75
80	72.8	358.3	354,600							80
85	71.0	356.5	337,900							85
90	69.3	354.6	322,600	71.5	356.2	321,500				90
95	67.5	352.4	304,800	69.7	354.3	303,700				95
100	65.6	350.1	288,000	68.0	352.3	286,900				100
105	63.8	347.6	272,900	66.2	350.0	271,800	69.6	352.5	270,300	105
110	61.9	344.9	259,300	64.3	347.5	258,300	67.8	350.4	256,800	110
115	60.0	341.9	246,900	62.5	344.9	246,000	66.0	348.2	244,600	115
120	58.1	338.7	235,700	60.5	342.0	234,800	64.1	345.7	232,100	120
125	56.1	335.3	225,500	58.6	338.9	224,600	62.3	343.0	220,300	125
130	54.0	331.6	216,100	56.6	335.5	215,300	60.4	340.1	209,400	130
135	51.9	327.7	207,500	54.6	331.9	206,600	58.4	337.0	199,300	135
140	49.7	323.4	199,500	52.5	328.0	198,400	56.4	333.6	190,000	140
145	47.5	318.7	192,100	50.4	323.8	189,400	54.4	329.9	181,200	145
150	45.2	313.7	185,200	48.1	319.3	181,100	52.3	326.0	173,100	150
155	42.7	308.2	178,100	45.8	314.4	173,200	50.1	321.8	165,500	155
160	40.2	302.3	170,700	43.4	309.0	165,900	47.9	317.2	158,400	160
165	37.4	295.7	163,600	40.9	303.2	159,000	45.6	312.3	151,700	165
170	34.5	288.5	157,000	38.2	296.8	152,400	43.2	306.9	145,400	170
175	31.4	280.3	150,700	35.4	289.8	146,300	40.6	301.0	139,500	175
180	27.9	271.0	144,700	32.3	281.9	140,400	38.0	294.6	133,800	180
185	23.9	260.0	139,100	28.9	272.9	134,900	35.1	287.5	128,400	185
190	19.1	246.3	133,700	25.1	262.4	129,700	32.0	279.5	123,200	190
195	12.5	226.7	128,500	20.6	249.7	124,600	28.6	270.4	118,200	195
200				14.6	232.4	119,700	24.7	259.7	113,400	200
205							20.1	246.7	108,700	205
210							13.9	228.7	104,200	210
215										215
220										220
225										225
230										230
235										235
240										240
245										245
250										250
255										255

MLC650 S-3

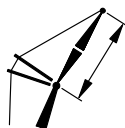
ASME B30.5



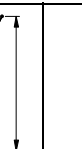
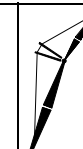
881,800 lb

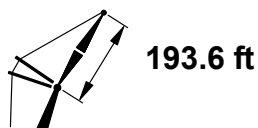
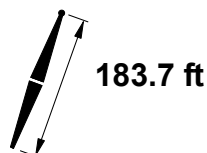


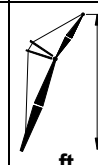
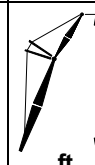
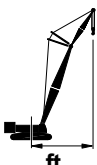
183.7 ft



173.9 ft

	75°			70°			65°			
										
	ft	ft	ft	lb	ft	lb	ft	lb	ft	ft
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115										115
120										120
125										125
130										130
135	64.4	342.3		182,900						135
140	62.5	339.6		174,000						140
145	60.6	336.7		165,700						145
150	58.7	333.6		158,000						150
155	56.7	330.3		150,800						155
160	54.7	326.7		144,000						160
165	52.6	322.8		137,600	58.8	328.7	122,800			165
170	50.4	318.6		131,700	56.8	325.3	117,300			170
175	48.2	314.1		126,000	54.8	321.7	112,100			175
180	45.9	309.2		120,700	52.7	317.9	107,200			180
185	43.5	303.8		115,600	50.5	313.7	102,600			185
190	41.0	298.0		110,800	48.3	309.2	98,200	54.7	315.1	85,400
195	38.3	291.7		106,200	46.0	304.3	94,000	52.6	311.3	81,600
200	35.5	284.7		101,900	43.6	299.0	90,000	50.4	307.1	78,000
205	32.4	276.8		97,700	41.1	293.2	86,200	48.2	302.5	74,500
210	29.0	267.9		93,700	38.4	286.9	82,500	45.9	297.6	71,200
215	25.2	257.4		89,800	35.6	279.9	79,000	43.5	292.3	68,000
220	20.7	244.8		86,100	32.6	272.1	75,700	41.0	286.5	65,000
225	14.9	227.7		82,300	29.2	263.2	72,400	38.3	280.2	62,000
230					25.4	252.9	69,300	35.5	273.1	59,200
235					21.0	240.4	66,200	32.4	265.3	56,500
240					15.2	223.6	63,100	29.0	256.3	53,900
245								25.2	245.9	51,300
250								20.7	233.2	48,800
255								14.8	216.2	46,200



	 85°			 83°			 80°			
 ft		 ft	 lb		 ft	 lb		 ft	 lb	 ft
80	74.6	378.9	329,100							80
85	73.0	377.4	327,900							85
90	71.5	375.6	317,200							90
95	69.9	373.8	303,600	71.9	375.3	302,400				95
100	68.3	371.7	286,700	70.3	373.5	285,600				100
105	66.7	369.5	271,700	68.7	371.5	270,600				105
110	65.0	367.1	258,100	67.1	369.3	257,100				110
115	63.4	364.6	245,800	65.5	367.0	244,900	68.6	369.7	241,300	115
120	61.7	361.8	234,600	63.8	364.5	233,700	67.0	367.5	228,500	120
125	60.0	358.9	224,400	62.1	361.8	223,500	65.3	365.2	216,700	125
130	58.2	355.7	215,000	60.4	358.9	214,200	63.7	362.7	205,900	130
135	56.4	352.3	206,400	58.7	355.8	204,800	62.0	359.9	195,900	135
140	54.6	348.7	198,400	56.9	352.5	195,200	60.3	357.0	186,600	140
145	52.7	344.9	191,000	55.1	349.0	186,300	58.5	353.9	177,900	145
150	50.8	340.8	183,200	53.3	345.2	178,000	56.8	350.6	169,800	150
155	48.8	336.3	175,300	51.4	341.1	170,200	54.9	347.0	162,300	155
160	46.8	331.6	167,800	49.4	336.8	162,900	53.1	343.2	155,200	160
165	44.7	326.5	160,900	47.4	332.2	156,100	51.2	339.1	148,600	165
170	42.5	321.0	154,200	45.3	327.2	149,600	49.2	334.8	142,400	170
175	40.2	315.0	148,100	43.1	321.8	143,600	47.2	330.1	136,400	175
180	37.8	308.6	142,200	40.8	315.9	137,800	45.1	325.1	130,900	180
185	35.2	301.5	136,700	38.4	309.6	132,300	42.9	319.6	125,600	185
190	32.4	293.6	131,400	35.9	302.7	127,200	40.6	313.8	120,400	190
195	29.4	284.8	126,400	33.2	295.1	122,200	38.2	307.4	115,500	195
200	26.1	274.8	121,600	30.3	286.6	117,600	35.7	300.4	110,900	200
205	22.3	262.9	116,900	27.1	276.9	113,100	33.0	292.7	106,400	205
210	17.7	248.2	112,600	23.4	265.7	108,800	30.0	284.1	102,200	210
215	11.2	226.7	108,300	19.1	251.9	104,500	26.8	274.3	98,100	215
220				13.4	233.1	100,100	23.1	262.9	94,100	220
225							18.6	248.8	90,300	225
230							12.6	229.2	86,500	230
235										235
240										240
245										245
250										250
255										255
260										260
265										265
270										270
275										275



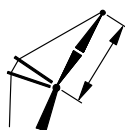
881,800 lb



360°

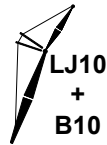


183.7 ft



193.6 ft

	75°			70°			65°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115										115
120										120
125										125
130										130
135										135
140										140
145	63.9	359.2	161,900							145
150	62.2	356.6	154,200							150
155	60.5	353.7	147,100							155
160	58.8	350.6	140,300							160
165	57.0	347.3	134,000							165
170	55.2	343.7	128,100							170
175	53.3	340.0	122,500	58.8	345.6	108,200				175
180	51.4	335.9	117,300	57.1	342.3	103,300				180
185	49.5	331.6	112,300	55.3	338.8	98,800				185
190	47.4	327.0	107,500	53.4	335.1	94,400				190
195	45.3	322.0	103,000	51.5	331.0	90,300				195
200	43.2	316.6	98,700	49.6	326.7	86,400				200
205	40.9	310.8	94,700	47.5	322.1	82,600	53.3	328.5	70,500	205
210	38.5	304.5	90,700	45.5	317.1	79,100	51.4	324.4	67,300	210
215	36.0	297.6	87,000	43.3	311.8	75,600	49.5	320.1	64,200	215
220	33.3	290.0	83,400	41.0	306.0	72,400	47.4	315.4	61,200	220
225	30.4	281.5	80,000	38.6	299.7	69,200	45.3	310.5	58,300	225
230	27.2	271.9	76,700	36.1	292.8	66,200	43.2	305.1	55,600	230
235	23.6	260.7	73,400	33.4	285.3	63,300	40.9	299.3	53,000	235
240	19.3	247.0	70,300	30.5	276.9	60,500	38.5	293.0	50,500	240
245	13.6	228.5	67,100	27.4	267.3	57,800	36.0	286.1	48,000	245
250				23.8	256.2	55,100	33.3	278.5	45,700	250
255				19.5	242.7	52,500	30.4	270.0	43,400	255
260				13.9	224.5	49,900	27.2	260.4	41,100	260
265							23.6	249.2	38,900	265
270							19.2	235.5	36,800	270
275							13.6	216.9	34,600	275



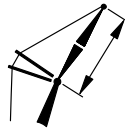
881,800 lb



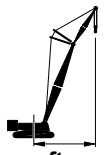
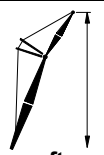
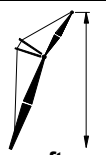
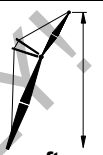
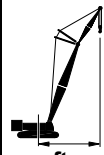
360°



183.7 ft



213.3 ft

	 85°			 83°			 80°			
 ft		 ft	 lb		 ft	 lb		 ft	 lb	 ft
85	74.6	398.0	282,400							85
90	73.2	396.4	281,300							90
95	71.8	394.7	280,300							95
100	70.4	392.9	279,100	72.2	394.4	278,300				100
105	68.9	390.9	272,800	70.8	392.7	271,800				105
110	67.5	388.8	259,200	69.4	390.7	258,200				110
115	66.0	386.6	246,900	67.9	388.6	246,000				115
120	64.5	384.1	235,800	66.4	386.4	234,600	69.2	388.9	224,600	120
125	63.0	381.5	225,500	64.9	384.0	222,600	67.8	386.8	212,900	125
130	61.5	378.8	216,100	63.4	381.5	211,600	66.3	384.6	202,200	130
135	59.9	375.8	207,000	61.9	378.8	201,300	64.8	382.2	192,200	135
140	58.3	372.7	197,400	60.3	375.9	191,900	63.3	379.6	183,000	140
145	56.7	369.4	188,400	58.8	372.8	183,000	61.8	376.9	174,400	145
150	55.1	365.8	180,000	57.2	369.5	174,700	60.2	374.0	166,400	150
155	53.4	362.1	172,100	55.5	366.0	167,000	58.6	370.9	158,900	155
160	51.7	358.1	164,800	53.9	362.3	159,800	57.0	367.6	151,900	160
165	49.9	353.8	157,800	52.2	358.4	152,900	55.4	364.1	145,300	165
170	48.1	349.3	151,300	50.4	354.2	146,600	53.7	360.4	139,100	170
175	46.2	344.4	145,100	48.6	349.8	140,500	52.0	356.4	133,300	175
180	44.3	339.3	139,300	46.7	345.0	134,800	50.2	352.2	127,700	180
185	42.3	333.7	133,800	44.8	339.9	129,400	48.4	347.7	122,500	185
190	40.2	327.8	128,600	42.9	334.5	124,300	46.6	342.9	117,400	190
195	38.0	321.4	123,700	40.8	328.7	119,400	44.6	337.8	112,600	195
200	35.7	314.4	118,900	38.6	322.4	114,800	42.7	332.4	108,000	200
205	33.3	306.8	114,500	36.4	315.6	110,400	40.6	326.5	103,600	205
210	30.6	298.4	110,100	34.0	308.2	106,200	38.4	320.2	99,400	210
215	27.8	289.0	106,000	31.4	300.0	102,200	36.1	313.3	95,500	215
220	24.6	278.3	102,100	28.6	290.9	98,200	33.7	305.8	91,600	220
225	20.9	265.6	98,300	25.5	280.6	94,400	31.1	297.6	87,900	225
230	16.5	249.8	94,600	22.0	268.6	90,600	28.3	288.4	84,400	230
235	10.1	226.4	90,600	17.8	253.8	86,900	25.2	277.9	81,000	235
240				12.2	233.5	83,300	21.7	265.7	77,700	240
245							17.4	250.6	74,400	245
250							11.5	229.4	71,100	250
255										255
260										260
265										265
270										270
275										275
280										280
285										285
290										290



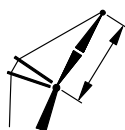
881,800 lb



360°

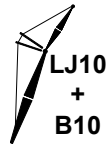


183.7 ft



213.3 ft

	75°			70°			65°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
85										85
90										90
95										95
100										100
105										105
110										110
115										115
120										120
125										125
130										130
135										135
140										140
145										145
150	65.0	378.8	150,400							150
155	63.5	376.2	143,300							155
160	61.9	373.5	136,600							160
165	60.4	370.6	130,400							165
170	58.8	367.5	124,500							170
175	57.2	364.3	119,000							175
180	55.6	360.8	113,700							180
185	53.9	357.1	108,800	58.9	362.6	94,900				185
190	52.2	353.2	104,100	57.3	359.3	90,600				190
195	50.5	349.0	99,600	55.7	355.9	86,500				195
200	48.7	344.6	95,400	54.0	352.2	82,600				200
205	46.8	339.8	91,400	52.3	348.3	78,900				205
210	44.9	334.8	87,500	50.5	344.1	75,400				210
215	42.9	329.3	83,800	48.7	339.7	72,100	53.9	345.6	60,200	215
220	40.9	323.5	80,300	46.9	335.0	68,800	52.2	341.7	57,300	220
225	38.7	317.3	77,000	45.0	329.9	65,800	50.5	337.5	54,500	225
230	36.4	310.5	73,700	43.0	324.5	62,800	48.7	333.0	51,800	230
235	34.0	303.1	70,600	41.0	318.7	60,000	46.8	328.3	49,300	235
240	31.5	294.9	67,600	38.8	312.5	57,300	44.9	323.2	46,800	240
245	28.7	285.9	64,700	36.6	305.7	54,600	42.9	317.8	44,400	245
250	25.6	275.6	61,900	34.2	298.4	52,100	40.9	312.0	42,100	250
255	22.1	263.6	59,200	31.6	290.3	49,600	38.7	305.7	39,900	255
260	18.0	249.0	56,500	28.8	281.2	47,300	36.4	299.0	37,800	260
265	12.4	229.0	53,700	25.8	271.0	44,900	34.0	291.6	35,700	265
270				22.3	259.2	42,700	31.5	283.4	33,700	270
275				18.2	244.7	40,400	28.7	274.3	31,700	275
280				12.8	225.1	38,100	25.6	264.1	29,800	280
285							22.1	252.1	27,900	285
290							18.0	237.5	26,000	290



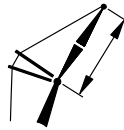
881,800 lb



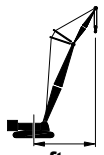
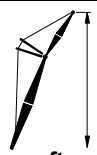
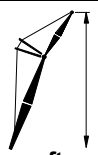
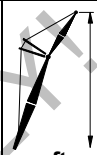
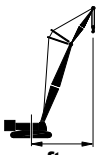
360°



183.7 ft



232.9 ft

	 85°			 83°			 80°			
 ft		 ft	 lb		 ft	 lb		 ft	 lb	 ft
90	74.7	417.0	242,900							90
95	73.4	415.5	242,200							95
100	72.1	413.8	241,300							100
105	70.8	412.1	240,300	72.5	413.5	238,700				105
110	69.5	410.2	239,200	71.2	411.8	238,400				110
115	68.2	408.1	237,900	69.9	409.9	238,000				115
120	66.8	405.9	235,600	68.5	407.9	231,400				120
125	65.5	403.6	225,400	67.2	405.8	219,600	69.7	408.1	209,900	125
130	64.1	401.1	214,500	65.8	403.5	208,700	68.4	406.1	199,200	130
135	62.7	398.5	204,200	64.5	401.0	198,500	67.1	404.0	189,300	135
140	61.3	395.7	194,700	63.1	398.5	189,100	65.7	401.7	180,200	140
145	59.9	392.8	185,800	61.7	395.7	180,300	64.3	399.2	171,700	145
150	58.4	389.7	177,500	60.3	392.8	172,100	63.0	396.6	163,700	150
155	57.0	386.4	169,700	58.8	389.8	164,500	61.6	393.9	156,300	155
160	55.5	382.9	162,300	57.4	386.5	157,300	60.1	390.9	149,300	160
165	53.9	379.2	155,500	55.9	383.1	150,500	58.7	387.9	142,700	165
170	52.4	375.3	149,000	54.4	379.4	144,200	57.2	384.6	136,600	170
175	50.8	371.2	142,900	52.8	375.6	138,200	55.7	381.1	130,800	175
180	49.1	366.8	137,100	51.2	371.5	132,500	54.2	377.5	125,300	180
185	47.5	362.2	131,600	49.6	367.2	127,100	52.7	373.6	120,100	185
190	45.7	357.3	126,400	47.9	362.7	122,000	51.1	369.5	115,200	190
195	44.0	352.0	121,500	46.2	357.9	117,200	49.4	365.2	110,500	195
200	42.1	346.5	116,800	44.5	352.7	112,600	47.8	360.6	106,000	200
205	40.2	340.5	112,400	42.6	347.3	108,300	46.1	355.8	101,700	205
210	38.2	334.2	108,100	40.8	341.4	104,100	44.3	350.6	97,500	210
215	36.1	327.3	104,100	38.8	335.2	100,100	42.5	345.1	93,600	215
220	33.9	319.9	100,200	36.7	328.5	96,300	40.6	339.3	89,800	220
225	31.6	311.8	96,500	34.6	321.2	92,700	38.6	333.0	86,200	225
230	29.1	302.8	92,900	32.3	313.3	89,200	36.5	326.2	82,700	230
235	26.3	292.8	89,500	29.8	304.6	85,700	34.3	318.9	79,400	235
240	23.3	281.5	86,200	27.1	295.0	82,400	32.0	310.9	76,200	240
245	19.7	268.0	83,000	24.2	284.0	79,100	29.5	302.1	73,100	245
250	15.4	251.1	79,600	20.8	271.2	75,900	26.8	292.4	70,100	250
255	9.0	225.7	76,200	16.7	255.5	72,800	23.9	281.3	67,200	255
260				11.2	233.6	69,600	20.4	268.3	64,300	260
265							16.3	252.2	61,600	265
270							10.5	229.2	58,700	270
275										275
280										280
285										285
290										290
300										300



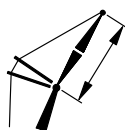
881,800 lb



360°

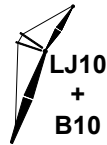


183.7 ft



232.9 ft

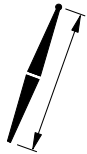
	75°			70°			65°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
90										90
95										95
100										100
105										105
110										110
115										115
120										120
125										125
130										130
135										135
140										140
145										145
150										150
155										155
160	64.5	395.8	134,000							160
165	63.1	393.2	127,800							165
170	61.7	390.5	121,900							170
175	60.3	387.6	116,400							175
180	58.9	384.5	111,200							180
185	57.4	381.3	106,300							185
190	55.9	377.8	101,700							190
195	54.4	374.2	97,200	58.9	379.6	83,800				195
200	52.9	370.4	93,000	57.5	376.3	79,900				200
205	51.3	366.3	89,000	56.0	372.9	76,300				205
210	49.6	362.0	85,200	54.5	369.3	72,800				210
215	48.0	357.5	81,600	52.9	365.5	69,500				215
220	46.3	352.7	78,100	51.3	361.4	66,300				220
225	44.5	347.5	74,800	49.7	357.2	63,300	54.4	362.7	51,700	225
230	42.7	342.1	71,600	48.1	352.6	60,400	52.9	358.9	49,100	230
235	40.8	336.3	68,600	46.4	347.8	57,600	51.3	354.8	46,600	235
240	38.8	330.0	65,600	44.6	342.7	54,900	49.6	350.5	44,100	240
245	36.8	323.3	62,800	42.8	337.3	52,300	48.0	346.0	41,800	245
250	34.6	316.1	60,100	40.9	331.5	49,900	46.3	341.2	39,600	250
255	32.3	308.2	57,400	38.9	325.3	47,500	44.5	336.0	37,400	255
260	29.9	299.6	54,900	36.9	318.6	45,200	42.7	330.6	35,300	260
265	27.2	289.9	52,400	34.7	311.4	42,900	40.8	324.8	33,300	265
270	24.3	279.0	50,000	32.4	303.5	40,800	38.8	318.5	31,400	270
275	20.9	266.3	47,700	30.0	294.9	38,700	36.8	311.8	29,500	275
280	16.9	250.7	45,300	27.3	285.3	36,600	34.6	304.6	27,600	280
285	11.4	229.1	42,900	24.4	274.5	34,600	32.3	296.7	25,900	285
290				21.1	261.9	32,600	29.9	288.0	24,100	290
300				11.8	225.4	28,700	24.2	267.5	20,800	300



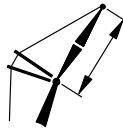
881,800 lb



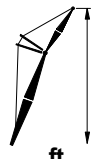
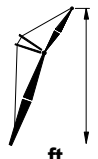
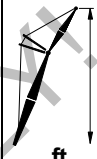
360°

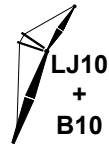


183.7 ft

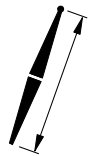


252.6 ft

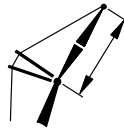
	 85°			 83°			 80°			
 ft		 ft	 lb		 ft	 lb		 ft	 lb	 ft
95	74.7	436.1	209,200							95
100	73.6	434.6	208,600							100
105	72.4	432.9	207,700							105
110	71.2	431.2	206,900	72.7	432.6	205,300				110
115	70.0	429.3	206,000	71.5	430.9	205,000				115
120	68.7	427.3	205,000	70.3	429.1	204,600				120
125	67.5	425.2	203,800	69.1	427.1	204,100				125
130	66.3	423.0	202,700	67.9	425.0	203,500				130
135	65.0	420.6	200,400	66.6	422.8	194,700	69.0	425.3	185,400	135
140	63.7	418.1	190,900	65.4	420.5	185,300	67.7	423.2	176,400	140
145	62.5	415.5	182,100	64.1	418.0	176,600	66.5	421.0	167,900	145
150	61.2	412.7	173,900	62.8	415.4	168,500	65.2	418.7	160,000	150
155	59.8	409.7	166,200	61.5	412.7	160,900	64.0	416.2	152,600	155
160	58.5	406.6	158,900	60.2	409.8	153,900	62.7	413.6	145,700	160
165	57.2	403.4	152,100	58.9	406.7	147,100	61.4	410.8	139,200	165
170	55.8	399.9	145,700	57.5	403.5	140,800	60.1	407.9	133,100	170
175	54.4	396.3	139,600	56.2	400.1	134,900	58.8	404.8	127,400	175
180	53.0	392.5	133,800	54.8	396.5	129,200	57.4	401.6	121,900	180
185	51.5	388.5	128,500	53.4	392.8	123,900	56.0	398.2	116,700	185
190	50.0	384.2	123,300	51.9	388.8	118,800	54.6	394.6	111,800	190
195	48.5	379.8	118,400	50.4	384.6	114,100	53.2	390.8	107,100	195
200	46.9	375.0	113,800	48.9	380.2	109,500	51.8	386.8	102,600	200
205	45.3	370.1	109,300	47.4	375.6	105,200	50.3	382.6	98,300	205
210	43.7	364.8	105,100	45.8	370.7	101,000	48.8	378.2	94,100	210
215	42.0	359.2	101,100	44.2	365.5	97,000	47.2	373.5	90,200	215
220	40.2	353.3	97,200	42.5	360.0	93,300	45.6	368.6	86,500	220
225	38.4	346.9	93,500	40.7	354.2	89,700	44.0	363.4	82,900	225
230	36.5	340.2	90,000	38.9	348.0	86,200	42.3	357.9	79,500	230
235	34.5	332.9	86,700	37.0	341.3	82,800	40.6	352.0	76,200	235
240	32.4	325.0	83,400	35.1	334.2	79,500	38.7	345.7	73,000	240
245	30.1	316.4	80,300	33.0	326.5	76,300	36.8	339.1	70,000	245
250	27.7	307.0	77,200	30.8	318.1	73,200	34.9	331.9	67,100	250
255	25.0	296.5	74,200	28.4	308.9	70,200	32.8	324.1	64,200	255
260	22.1	284.4	71,200	25.8	298.7	67,400	30.5	315.7	61,500	260
265	18.7	270.2	68,200	23.0	287.1	64,600	28.1	306.4	58,900	265
270	14.4	252.2	65,300	19.7	273.6	61,800	25.5	296.1	56,300	270
275	8.1	224.6	62,400	15.7	257.0	59,100	22.7	284.3	53,800	275
280				10.3	233.4	56,400	19.3	270.6	51,400	280
285							15.3	253.5	49,000	285
290							9.6	228.8	46,500	290
300										300
310										310
320										320



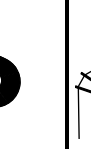
881,800 lb

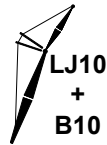


183.7 ft



252.6 ft

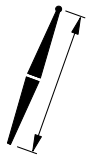
	75°			70°			65°			
										
	ft	ft	lb	ft	lb	ft	lb	ft	lb	ft
95										95
100										100
105										105
110										110
115										115
120										120
125										125
130										130
135										135
140										140
145										145
150										150
155										155
160										160
165										165
170	64.1	412.8	118,000							170
175	62.9	410.2	112,500							175
180	61.6	407.4	107,300							180
185	60.3	404.5	102,400							185
190	58.9	401.5	97,800							190
195	57.6	398.2	93,400							195
200	56.2	394.9	89,200							200
205	54.8	391.3	85,300	59.0	396.5	72,200				205
210	53.4	387.5	81,500	57.6	393.3	68,800				210
215	51.9	383.6	77,900	56.3	389.9	65,500				215
220	50.5	379.4	74,500	54.9	386.4	62,300				220
225	49.0	375.0	71,200	53.5	382.6	59,300				225
230	47.4	370.4	68,000	52.0	378.7	56,500				230
235	45.8	365.5	65,000	50.5	374.5	53,700	54.8	379.8	42,400	235
240	44.2	360.3	62,100	49.0	370.2	51,100	53.4	376.0	40,000	240
245	42.5	354.8	59,300	47.5	365.5	48,500	51.9	372.1	37,700	245
250	40.8	349.0	56,600	45.9	360.7	46,100	50.5	367.9	35,500	250
255	39.0	342.8	54,100	44.3	355.5	43,800	49.0	363.5	33,400	255
260	37.1	336.2	51,600	42.6	350.0	41,500	47.4	358.9	31,400	260
265	35.1	329.1	49,200	40.9	344.2	39,300	45.8	354.0	29,400	265
270	33.0	321.4	46,900	39.1	338.0	37,200	44.2	348.8	27,500	270
275	30.8	313.0	44,600	37.2	331.4	35,200	42.5	343.3	25,600	275
280	28.5	303.9	42,400	35.2	324.3	33,200	40.8	337.5	23,900	280
285	25.9	293.7	40,300	33.1	316.7	31,300	39.0	331.3	22,100	285
290	23.0	282.2	38,200	30.9	308.4	29,400	37.1	324.7	20,500	290
300	15.9	252.2	34,100	26.0	289.1	25,800				300
310				20.0	264.4	22,300				310
320				10.8	225.4	18,800				320



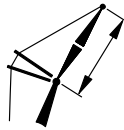
881,800 lb



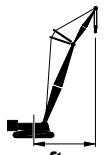
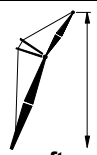
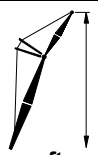
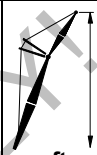
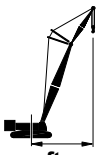
360°

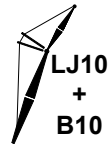


183.7 ft



272.3 ft

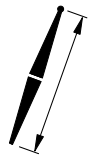
	 85°			 83°			 80°			
 ft		 ft	 lb		 ft	 lb		 ft	 lb	 ft
100	74.8	455.1	179,700							100
105	73.7	453.6	179,100							105
110	72.6	452.0	178,400							110
115	71.5	450.3	177,700	72.9	451.7	176,500				115
120	70.4	448.5	176,900	71.8	450.0	176,100				120
125	69.2	446.5	176,000	70.7	448.2	175,700				125
130	68.1	444.5	175,100	69.5	446.3	175,200				130
135	66.9	442.3	174,100	68.4	444.3	174,700				135
140	65.8	440.0	173,100	67.3	442.2	174,100	69.4	444.5	170,200	140
145	64.6	437.6	172,000	66.1	439.9	173,400	68.3	442.5	165,400	145
150	63.4	435.1	171,000	64.9	437.5	166,200	67.2	440.4	157,500	150
155	62.2	432.4	163,900	63.8	435.0	158,700	66.0	438.1	150,300	155
160	61.0	429.6	156,700	62.6	432.4	151,600	64.8	435.7	143,300	160
165	59.8	426.7	149,900	61.4	429.6	145,000	63.7	433.2	136,900	165
170	58.6	423.6	143,600	60.2	426.7	138,600	62.5	430.5	130,900	170
175	57.3	420.3	137,600	58.9	423.7	132,700	61.3	427.8	125,100	175
180	56.1	416.9	131,900	57.7	420.5	127,200	60.0	424.8	119,700	180
185	54.8	413.4	126,500	56.4	417.1	121,800	58.8	421.8	114,500	185
190	53.4	409.6	121,400	55.1	413.6	116,800	57.6	418.6	109,600	190
195	52.1	405.7	116,500	53.8	409.9	112,100	56.3	415.2	104,900	195
200	50.7	401.6	111,900	52.5	406.0	107,600	55.0	411.7	100,400	200
205	49.4	397.2	107,500	51.1	402.0	103,200	53.7	407.9	96,100	205
210	47.9	392.7	103,300	49.7	397.7	99,100	52.4	404.0	92,000	210
215	46.5	387.9	99,300	48.3	393.2	95,200	51.0	400.0	88,100	215
220	45.0	382.9	95,500	46.9	388.5	91,500	49.6	395.7	84,400	220
225	43.5	377.6	91,800	45.4	383.5	87,900	48.2	391.2	80,800	225
230	41.9	372.0	88,400	43.9	378.3	84,400	46.7	386.4	77,500	230
235	40.2	366.0	85,000	42.3	372.8	81,000	45.3	381.4	74,200	235
240	38.5	359.7	81,800	40.7	366.9	77,700	43.7	376.2	71,100	240
245	36.8	353.0	78,700	39.0	360.7	74,600	42.2	370.6	68,100	245
250	35.0	345.9	75,700	37.3	354.1	71,500	40.5	364.7	65,200	250
255	33.0	338.2	72,700	35.5	347.1	68,600	38.9	358.5	62,400	255
260	31.0	329.9	69,800	33.6	339.6	65,800	37.1	351.9	59,700	260
265	28.8	320.9	67,000	31.6	331.5	63,100	35.3	344.8	57,200	265
270	26.5	310.9	64,300	29.4	322.7	60,500	33.4	337.2	54,700	270
275	23.9	299.8	61,600	27.1	313.0	57,900	31.4	329.1	52,200	275
280	21.0	287.1	59,000	24.6	302.2	55,400	29.2	320.2	49,900	280
285	17.7	272.2	56,500	21.9	290.1	53,000	26.9	310.4	47,600	285
290	13.6	253.1	54,000	18.7	275.8	50,600	24.4	299.5	45,400	290
300				9.4	232.9	45,900	18.4	272.7	41,100	300
310							8.7	228.0	36,800	310
320										320



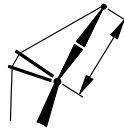
881,800 lb



360°

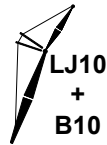


183.7 ft



272.3 ft

	75°			70°			65°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
100										100
105										105
110										110
115										115
120										120
125										125
130										130
135										135
140										140
145										145
150										150
155										155
160										160
165										165
170										170
175	65.0	432.3	109,800							175
180	63.8	429.8	104,700							180
185	62.6	427.1	99,800							185
190	61.4	424.4	95,200							190
195	60.2	421.5	90,900							195
200	59.0	418.4	86,700							200
205	57.7	415.2	82,800							205
210	56.4	411.9	79,000							210
215	55.2	408.4	75,500	59.0	413.5	62,800				215
220	53.9	404.7	72,100	57.8	410.3	59,700				220
225	52.5	400.8	68,800	56.5	406.9	56,700				225
230	51.2	396.7	65,700	55.2	403.4	53,900				230
235	49.8	392.5	62,700	53.9	399.8	51,100				235
240	48.4	388.0	59,800	52.6	395.9	48,500				240
245	46.9	383.3	57,100	51.2	391.8	46,000				245
250	45.4	378.3	54,500	49.9	387.6	43,600	53.9	393.2	32,800	250
255	43.9	373.1	51,900	48.4	383.1	41,300	52.5	389.3	30,700	255
260	42.4	367.6	49,500	47.0	378.4	39,100	51.2	385.2	28,700	260
265	40.7	361.8	47,100	45.5	373.5	36,900	49.8	381.0	26,800	265
270	39.1	355.6	44,800	44.0	368.3	34,900	48.4	376.5	24,900	270
275	37.3	349.0	42,600	42.4	362.8	32,900	46.9	371.8	23,100	275
280	35.5	342.0	40,500	40.8	357.0	30,900	45.4	366.8	21,300	280
285	33.6	334.5	38,400	39.2	350.8	29,000	43.9	361.6	19,700	285
290	31.6	326.4	36,400	37.4	344.2	27,200	42.4	356.1	18,000	290
300	27.2	308.0	32,600	33.7	329.8	23,800				300
310	22.0	285.1	28,900	29.6	312.9	20,500				310
320	15.0	253.5	25,300							320



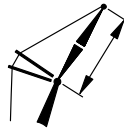
881,800 lb



360°

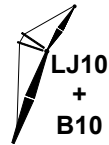


183.7 ft



292.0 ft

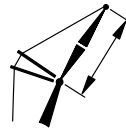
	85°			83°			80°			
										
	ft	ft	ft	ft	ft	lb	lb	lb	lb	ft
105	74.8	474.2	154,100							105
110	73.8	472.7	153,400							110
115	72.8	471.1	152,700							115
120	71.7	469.4	151,900							120
125	70.7	467.6	151,100	72.0	469.1	150,400				125
130	69.6	465.7	150,300	71.0	467.3	149,900				130
135	68.6	463.7	150,300	69.9	465.5	149,400				135
140	67.5	461.6	148,500	68.9	463.5	148,800				140
145	66.5	459.4	147,600	67.8	461.4	148,200	69.8	463.7	144,800	145
150	65.4	457.1	146,600	66.7	459.3	147,500	68.8	461.7	144,600	150
155	64.3	454.6	145,700	65.7	457.0	146,800	67.7	459.6	144,400	155
160	63.2	452.1	144,700	64.6	454.6	146,100	66.6	457.5	139,100	160
165	62.1	449.4	143,700	63.5	452.0	140,800	65.6	455.1	132,700	165
170	60.9	446.6	139,500	62.4	449.4	134,600	64.5	452.7	126,700	170
175	59.8	443.6	133,600	61.2	446.6	128,800	63.4	450.2	121,000	175
180	58.6	440.6	128,000	60.1	443.7	123,200	62.3	447.5	115,700	180
185	57.5	437.3	122,600	59.0	440.6	118,000	61.1	444.7	110,600	185
190	56.3	434.0	117,600	57.8	437.5	113,000	60.0	441.8	105,700	190
195	55.1	430.4	112,800	56.6	434.1	108,300	58.9	438.7	101,000	195
200	53.9	426.7	108,100	55.4	430.6	103,700	57.7	435.5	96,500	200
205	52.6	422.9	103,800	54.2	427.0	99,500	56.5	432.2	92,200	205
210	51.4	418.9	99,600	53.0	423.2	95,400	55.3	428.7	88,200	210
215	50.1	414.6	95,600	51.7	419.2	91,500	54.1	425.0	84,300	215
220	48.8	410.2	91,900	50.4	415.1	87,800	52.9	421.2	80,600	220
225	47.4	405.6	88,200	49.1	410.7	84,200	51.6	417.2	77,100	225
230	46.1	400.8	84,700	47.8	406.1	80,800	50.3	413.0	73,700	230
235	44.7	395.7	81,400	46.5	401.3	77,400	49.0	408.7	70,500	235
240	43.2	390.3	78,200	45.1	396.3	74,200	47.7	404.1	67,400	240
245	41.8	384.7	75,100	43.6	391.1	71,100	46.3	399.3	64,400	245
250	40.2	378.8	72,200	42.2	385.5	68,000	44.9	394.2	61,500	250
255	38.7	372.5	69,300	40.7	379.7	65,200	43.5	388.9	58,800	255
260	37.0	365.9	66,500	39.1	373.5	62,400	42.0	383.4	56,100	260
265	35.3	358.8	63,700	37.5	367.0	59,700	40.5	377.5	53,600	265
270	33.6	351.3	61,000	35.8	360.0	57,100	39.0	371.3	51,100	270
275	31.7	343.2	58,500	34.1	352.6	54,600	37.3	364.7	48,700	275
280	29.7	334.5	55,900	32.2	344.7	52,200	35.7	357.7	46,400	280
285	27.6	325.0	53,500	30.3	336.2	49,800	33.9	350.3	44,200	285
290	25.4	314.6	51,100	28.2	326.9	47,500	32.1	342.3	42,000	290
300	20.1	289.7	46,600	23.6	305.5	43,200	28.0	324.4	37,900	300
310	12.8	253.8	42,200	17.8	277.8	39,000	23.4	302.8	34,000	310
320				8.6	232.1	34,700	17.5	274.6	30,200	320
330							7.9	226.8	26,300	330



881,800 lb

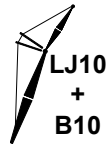


183.7 ft



292.0 ft

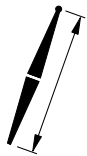
	75°			70°			
ft	ft	ft	lb	ft	lb	ft	ft
105							105
110							110
115							115
120							120
125							125
130							130
135							135
140							140
145							145
150							150
155							155
160							160
165							165
170							170
175							175
180							180
185	64.6	449.3	95,600				185
190	63.5	446.8	91,000				190
195	62.4	444.1	86,700				195
200	61.3	441.3	82,600				200
205	60.1	438.4	78,700				205
210	59.0	435.4	74,900				210
215	57.8	432.2	71,400				215
220	56.7	428.9	68,000				220
225	55.5	425.4	64,800	59.1	430.4	52,400	225
230	54.3	421.8	61,700	57.9	427.3	49,600	230
235	53.0	418.0	58,700	56.7	424.0	46,900	235
240	51.8	414.0	55,900	55.5	420.5	44,300	240
245	50.5	409.8	53,100	54.3	416.9	41,800	245
250	49.2	405.5	50,500	53.1	413.1	39,500	250
255	47.9	400.9	48,000	51.8	409.1	37,200	255
260	46.5	396.2	45,600	50.6	404.9	35,000	260
265	45.1	391.1	43,200	49.3	400.6	32,800	265
270	43.7	385.9	41,000	47.9	396.1	30,800	270
275	42.2	380.3	38,800	46.6	391.3	28,800	275
280	40.7	374.5	36,700	45.2	386.3	26,900	280
285	39.2	368.3	34,700	43.8	381.0	25,100	285
290	37.6	361.8	32,700	42.3	375.5	23,300	290
300	34.1	347.5	28,900	39.2	363.6	19,900	300
310	30.4	331.1	25,400				310
320	26.1	311.8	22,000				320
330	21.0	287.8	18,800				330



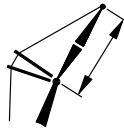
881,800 lb



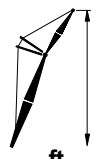
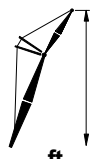
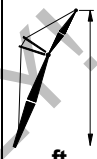
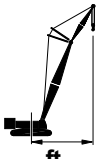
360°

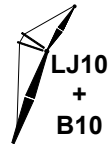


183.7 ft



311.7 ft

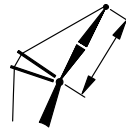
	 85°			 83°			 80°			
 ft		 ft	 lb		 ft	 lb		 ft	 lb	 ft
110	74.9	493.2	133,100							110
115	73.9	491.7	132,500							115
120	72.9	490.2	131,800							120
125	72.0	488.5	131,100							125
130	71.0	486.7	130,300	72.2	488.2	129,700				130
135	70.0	484.9	129,600	71.3	486.5	129,200				135
140	69.0	482.9	128,800	70.3	484.6	128,600				140
145	68.0	480.9	127,900	69.3	482.7	128,100				145
150	67.0	478.7	127,100	68.3	480.7	127,500				150
155	66.0	476.5	126,300	67.3	478.6	126,800	69.2	480.9	124,300	155
160	65.0	474.1	125,400	66.3	476.3	126,200	68.2	478.9	124,000	160
165	64.0	471.6	124,500	65.3	474.0	125,500	67.2	476.8	123,700	165
170	62.9	469.1	123,700	64.3	471.6	124,800	66.2	474.5	123,400	170
175	61.9	466.4	122,800	63.2	469.0	124,100	65.2	472.2	118,600	175
180	60.8	463.5	121,900	62.2	466.3	120,800	64.2	469.7	113,200	180
185	59.8	460.6	120,300	61.1	463.5	115,600	63.1	467.2	108,200	185
190	58.7	457.5	115,300	60.1	460.6	110,700	62.1	464.5	103,400	190
195	57.6	454.3	110,500	59.0	457.6	106,000	61.0	461.7	98,700	195
200	56.5	451.0	106,000	57.9	454.4	101,500	60.0	458.8	94,300	200
205	55.4	447.5	101,700	56.8	451.1	97,300	58.9	455.7	90,000	205
210	54.2	443.8	97,500	55.7	447.7	93,200	57.8	452.5	86,000	210
215	53.1	440.1	93,600	54.6	444.1	89,400	56.7	449.2	82,100	215
220	51.9	436.1	89,800	53.4	440.3	85,700	55.6	445.7	78,400	220
225	50.7	432.0	86,200	52.2	436.4	82,100	54.4	442.1	74,900	225
230	49.5	427.7	82,700	51.1	432.4	78,800	53.3	438.4	71,600	230
235	48.3	423.2	79,500	49.9	428.1	75,500	52.1	434.5	68,300	235
240	47.0	418.5	76,300	48.6	423.7	72,200	50.9	430.4	65,300	240
245	45.7	413.6	73,200	47.4	419.0	69,100	49.7	426.1	62,300	245
250	44.4	408.5	70,300	46.1	414.2	66,100	48.5	421.6	59,400	250
255	43.1	403.1	67,400	44.8	409.1	63,300	47.2	417.0	56,700	255
260	41.7	397.5	64,700	43.4	403.8	60,500	46.0	412.1	54,100	260
265	40.3	391.5	62,000	42.1	398.3	57,800	44.7	407.0	51,500	265
270	38.8	385.3	59,300	40.7	392.4	55,300	43.3	401.7	49,100	270
275	37.3	378.7	56,800	39.2	386.3	52,800	41.9	396.1	46,700	275
280	35.7	371.7	54,300	37.7	379.8	50,400	40.5	390.2	44,500	280
285	34.0	364.3	51,900	36.1	372.9	48,100	39.1	384.1	42,300	285
290	32.3	356.4	49,600	34.5	365.6	45,800	37.5	377.5	40,100	290
300	28.6	338.9	45,100	31.0	349.6	41,500	34.3	363.3	36,100	300
310	24.4	318.1	40,900	27.2	331.0	37,500	30.9	347.2	32,300	310
320	19.2	292.0	36,900	22.6	308.6	33,700	27.0	328.4	28,600	320
330	12.0	254.2	33,000	17.0	279.6	29,900	22.4	305.8	25,200	330
340				7.9	230.9	26,200	16.7	276.3	21,800	340
350							7.1	225.2	18,300	350



881,800 lb

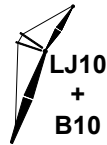


183.7 ft



311.7 ft

	75°			70°			
ft	ft	ft	lb	ft	ft	lb	ft
110							110
115							115
120							120
125							125
130							130
135							135
140							140
145							145
150							150
155							155
160							160
165							165
170							170
175							175
180							180
185							185
190							190
195	64.3	466.3	84,100				195
200	63.3	463.7	80,000				200
205	62.2	461.1	76,200				205
210	61.2	458.3	72,500				210
215	60.1	455.4	68,900				215
220	59.0	452.3	65,600				220
225	57.9	449.2	62,300				225
230	56.8	445.9	59,300				230
235	55.7	442.4	56,300	59.1	447.4	44,300	235
240	54.6	438.9	53,500	58.0	444.2	41,700	240
245	53.4	435.1	50,800	56.9	440.9	39,200	245
250	52.3	431.2	48,200	55.8	437.5	36,900	250
255	51.1	427.1	45,700	54.7	433.9	34,600	255
260	49.9	422.9	43,300	53.5	430.2	32,400	260
265	48.7	418.5	41,000	52.3	426.3	30,300	265
270	47.4	413.8	38,700	51.2	422.3	28,300	270
275	46.1	409.0	36,600	50.0	418.0	26,400	275
280	44.8	403.9	34,500	48.7	413.6	24,500	280
285	43.5	398.6	32,500	47.5	409.0	22,700	285
290	42.1	393.1	30,600	46.2	404.2	20,900	290
300	39.2	381.1	26,900				300
310	36.2	367.8	23,400				310
320	32.9	352.8	20,100				320
330							330
340							340
350							350



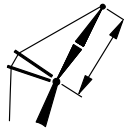
881,800 lb



360°

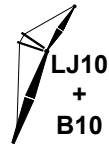


183.7 ft



331.4 ft

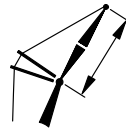
	85°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
115	74.9	512.3	114,200							115
120	74.0	510.8	113,600							120
125	73.1	509.2	113,000							125
130	72.2	507.6	112,200							130
135	71.2	505.9	111,500	72.4	507.3	111,100				135
140	70.3	504.0	110,800	71.5	505.6	110,400				140
145	69.4	502.1	110,000	70.6	503.8	109,900				145
150	68.5	500.1	109,300	69.7	501.9	109,300				150
155	67.5	498.0	108,500	68.7	499.9	108,700				155
160	66.6	495.8	107,800	67.8	497.8	108,100	69.6	500.1	105,800	160
165	65.6	493.5	107,000	66.9	495.7	107,500	68.6	498.1	105,500	165
170	64.7	491.1	106,200	65.9	493.4	106,900	67.7	496.0	105,200	170
175	63.7	488.6	105,400	64.9	491.0	106,300	66.8	493.9	104,900	175
180	62.7	486.0	104,700	64.0	488.6	105,600	65.8	491.6	104,500	180
185	61.8	483.3	103,900	63.0	486.0	105,000	64.9	489.2	104,100	185
190	60.8	480.5	103,100	62.0	483.3	104,300	63.9	486.7	99,600	190
195	59.8	477.5	102,300	61.0	480.5	102,300	62.9	484.1	94,900	195
200	58.7	474.5	101,500	60.0	477.6	97,900	61.9	481.4	90,500	200
205	57.7	471.3	98,000	59.0	474.6	93,700	60.9	478.6	86,300	205
210	56.7	468.0	93,900	58.0	471.4	89,700	59.9	475.7	82,200	210
215	55.6	464.5	90,000	57.0	468.1	85,800	58.9	472.7	78,400	215
220	54.6	460.9	86,300	55.9	464.7	82,100	57.9	469.5	74,700	220
225	53.5	457.2	82,700	54.9	461.2	78,600	56.9	466.2	71,200	225
230	52.4	453.3	79,300	53.8	457.5	75,300	55.8	462.8	67,900	230
235	51.3	449.3	76,000	52.7	453.6	72,000	54.8	459.2	64,700	235
240	50.2	445.1	72,800	51.6	449.6	68,700	53.7	455.5	61,600	240
245	49.0	440.7	69,800	50.5	445.5	65,600	52.6	451.6	58,600	245
250	47.8	436.1	66,900	49.3	441.1	62,700	51.5	447.6	55,800	250
255	46.6	431.4	64,100	48.2	436.6	59,800	50.4	443.5	53,100	255
260	45.4	426.4	61,400	47.0	431.9	57,000	49.2	439.1	50,500	260
265	44.2	421.3	58,600	45.8	427.0	54,400	48.0	434.6	48,000	265
270	42.9	415.9	56,000	44.5	421.9	51,800	46.9	429.9	45,500	270
275	41.6	410.2	53,500	43.3	416.6	49,400	45.6	425.0	43,200	275
280	40.3	404.3	51,000	42.0	411.0	47,000	44.4	419.8	40,900	280
285	38.9	398.1	48,600	40.6	405.2	44,700	43.1	414.5	38,800	285
290	37.5	391.5	46,300	39.3	399.0	42,500	41.8	408.9	36,600	290
300	34.5	377.3	41,900	36.4	385.8	38,200	39.1	396.8	32,600	300
310	31.2	361.4	37,800	33.3	371.0	34,300	36.3	383.5	28,800	310
320	27.6	343.0	33,900	29.9	354.3	30,500	33.2	368.7	25,300	320
330	23.5	321.4	30,200	26.2	334.9	26,900	29.8	351.8	21,900	330
340	18.4	294.1	26,700	21.8	311.6	23,500	26.0	332.3	18,700	340
350	11.4	254.4	23,100	16.3	281.2	20,200				350



881,800 lb

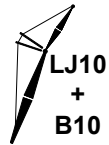


183.7 ft

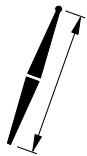


331.4 ft

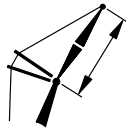
	75°			70°			
ft	ft	ft	lb	ft	lb	ft	ft
115							115
120							120
125							125
130							130
135							135
140							140
145							145
150							150
155							155
160							160
165							165
170							170
175							175
180							180
185							185
190							190
195							195
200	65.0	485.8	76,000				200
205	64.0	483.3	72,100				205
210	63.0	480.7	68,400				210
215	62.1	478.0	64,900				215
220	61.1	475.2	61,600				220
225	60.1	472.3	58,400				225
230	59.1	469.3	55,300				230
235	58.0	466.2	52,400				235
240	57.0	462.9	49,600				240
245	56.0	459.5	46,900	59.1	464.4	35,100	245
250	54.9	455.9	44,300	58.1	461.2	32,800	250
255	53.8	452.2	41,800	57.1	457.9	30,500	255
260	52.7	448.4	39,500	56.0	454.5	28,400	260
265	51.6	444.4	37,200	54.9	451.0	26,300	265
270	50.5	440.3	34,900	53.9	447.3	24,300	270
275	49.4	435.9	32,800	52.8	443.5	22,400	275
280	48.2	431.4	30,700	51.7	439.5	20,500	280
285	47.0	426.7	28,700	50.6	435.4	18,700	285
290	45.8	421.8	26,800				290
300	43.3	411.4	23,200				300
310	40.7	400.0	19,700				310
320							320
330							330
340							340
350							350



881,800 lb



203.4 ft

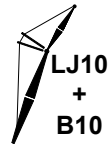


85.3 ft

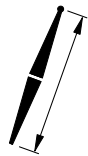
	85°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
55	73.1	293.5	505,600 d							55
60	69.5	291.5	472,300 d							60
65	65.8	289.1	443,000 c	71.0	291.5	441,200 d				65
70	61.9	286.3	417,000 c	67.3	289.3	415,200 c				70
75	57.9	283.1	393,800 b	63.6	286.7	392,100 c				75
80	53.7	279.3	371,600	59.6	283.6	370,000 b	67.7	287.8	367,800 c	80
85	49.3	274.9	346,900	55.5	280.1	345,400 b	64.0	285.2	343,300 b	85
90	44.4	269.7	325,300	51.1	275.9	323,800	60.1	282.2	321,800 b	90
95	39.1	263.4	306,200	46.5	271.1	304,800	56.0	278.7	302,900 b	95
100	32.9	255.7	289,300	41.4	265.3	287,900	51.6	274.7	286,000	100
105	25.3	245.5	274,300	35.6	258.3	272,800	47.0	269.9	271,000	105
110	13.3	228.4	260,900	28.7	249.3	259,300	41.9	264.2	257,500	110
115				19.3	236.3	247,200	36.2	257.4	245,300	115
120							29.5	248.7	234,200	120
125							20.6	236.3	224,100	125
130										130
135										135
140										140
145										145
150										150
155										155
160										160
165										165
170										170
175										175

MLC650 S-3

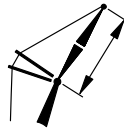
ASME B30.5



881,800 lb

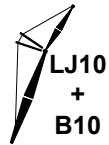


203.4 ft



85.3 ft

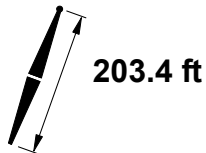
	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
55										55
60										60
65										65
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110	61.9	279.6	264,800 b							110
115	57.9	276.3	250,000 b							115
120	53.7	272.5	236,500 b							120
125	49.2	268.1	224,200							125
130	44.3	262.8	212,700	59.4	272.0	193,300				130
135	39.0	256.6	202,100	55.3	268.4	183,600				135
140	32.8	248.9	192,100	50.9	264.2	174,700				140
145	25.1	238.6	182,600	46.2	259.3	166,300				145
150	13.0	221.3	173,300	41.1	253.5	158,500				150
155				35.2	246.4	151,100	52.1	258.3	135,400	155
160				28.3	237.3	144,000	47.5	253.6	129,200	160
165				18.7	223.9	137,000	42.5	248.1	123,300	165
170							36.9	241.4	117,700	170
175							30.3	232.9	112,300	175
							21.7	221.1	106,900	175



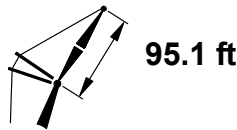
881,800 lb



360°



203.4 ft

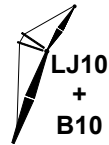


95.1 ft

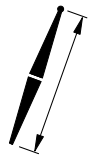
	85°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
55	74.9	303.8	500,600 d							55
60	71.7	302.1	468,100 c							60
65	68.5	300.0	439,400 c							65
70	65.1	297.6	413,900 b	69.8	300.1	412,200 c				70
75	61.7	294.8	391,100 b	66.5	297.8	389,400 b				75
80	58.1	291.6	370,600	63.1	295.1	369,000 b				80
85	54.4	287.9	346,900	59.6	292.1	345,400 b	66.9	296.3	343,400 b	85
90	50.4	283.6	325,300	55.9	288.6	323,900	63.5	293.7	321,900 b	90
95	46.2	278.8	306,200	52.1	284.6	304,900	60.0	290.7	303,000 b	95
100	41.7	273.1	289,300	48.0	280.0	288,000	56.3	287.3	286,100	100
105	36.6	266.3	274,200	43.6	274.7	272,900	52.5	283.3	271,100	105
110	30.8	258.0	260,500	38.8	268.4	259,300	48.4	278.8	257,500	110
115	23.5	247.0	248,300	33.3	260.8	247,000	44.1	273.5	245,300	115
120	11.8	228.3	237,300	26.7	251.1	235,900	39.3	267.4	234,200	120
125				17.8	237.1	225,800	33.9	259.9	224,000	125
130							27.5	250.6	214,800	130
135							19.0	237.2	205,200	135
140										140
145										145
150										150
155										155
160										160
165										165
170										170
175										175
180										180
185										185

MLC650 S-3

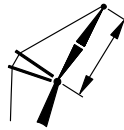
ASME B30.5



881,800 lb

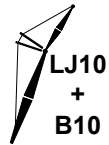


203.4 ft



95.1 ft

	75°			70°			65°			
ft			lb			lb			lb	ft
55										55
60										60
65										65
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110	61.6	288.0	247,100							110
115	58.0	284.8	233,700							115
120	54.3	281.1	221,400							120
125	50.4	276.8	210,000							125
130	46.1	271.9	199,500	59.4	280.4	180,400				130
135	41.6	266.2	189,800	55.7	276.9	171,600				135
140	36.5	259.4	180,700	51.9	272.9	163,300				140
145	30.6	251.1	172,100	47.8	268.3	155,600				145
150	23.3	240.0	163,900	43.4	262.9	148,400				150
155	11.5	221.0	155,700	38.5	256.5	141,600	52.9	267.0	126,000	155
160				33.0	248.9	135,200	48.9	262.5	120,200	160
165				26.3	239.0	128,900	44.6	257.3	114,800	165
170				17.1	224.6	122,800	39.8	251.3	109,600	170
175							34.5	244.0	104,700	175
180							28.3	234.9	99,900	180
185							20.1	222.2	95,100	185



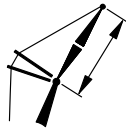
881,800 lb



360°



203.4 ft

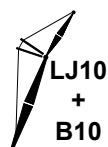


105.0 ft

	85°			83°			80°			
ft			lb			lb			lb	ft
60	73.5	312.5	463,700 c							60
65	70.6	310.7	435,700 c							65
70	67.6	308.5	410,700 b	71.8	310.6	409,000 c				70
75	64.6	306.1	388,300 b	68.9	308.6	386,700 b				75
80	61.5	303.3	368,100 b	65.9	306.3	366,600 b				80
85	58.2	300.1	346,700	62.8	303.6	345,200 b	69.2	307.1	343,200 b	85
90	54.9	296.4	325,100	59.6	300.6	323,700	66.2	304.8	321,800 b	90
95	51.4	292.4	306,000	56.3	297.1	304,700	63.1	302.2	302,800 b	95
100	47.6	287.7	289,100	52.8	293.3	287,800	59.9	299.2	286,000	100
105	43.6	282.4	273,900	49.2	288.8	272,700	56.6	295.8	271,000	105
110	39.3	276.2	260,300	45.3	283.8	259,100	53.2	292.0	257,400	110
115	34.5	268.9	248,000	41.2	278.0	246,800	49.6	287.6	245,200	115
120	28.9	260.0	236,800	36.6	271.3	235,600	45.8	282.7	234,100	120
125	22.0	248.3	226,700	31.4	263.1	225,500	41.6	277.0	223,900	125
130	10.5	227.9	217,500	25.1	252.8	216,200	37.1	270.3	214,600	130
135				16.4	237.7	207,700	32.0	262.3	204,700	135
140							25.8	252.3	195,100	140
145							17.6	238.0	186,100	145
150										150
155										155
160										160
165										165
170										170
175										175
180										180
185										185
190										190
195										195

MLC650 S-3

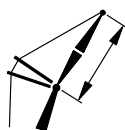
ASME B30.5



881,800 lb

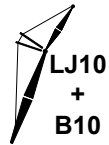


203.4 ft



105.0 ft

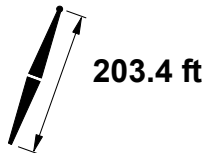
	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
60										60
65										65
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110	64.6	299.3	245,400							110
115	61.4	296.5	232,000							115
120	58.2	293.3	219,800							120
125	54.8	289.7	208,600							125
130	51.3	285.6	198,200							130
135	47.6	280.9	188,600	59.4	288.9	169,800				135
140	43.6	275.6	179,600	56.1	285.5	161,700				140
145	39.2	269.4	171,200	52.6	281.6	154,100				145
150	34.4	262.1	163,400	49.0	277.1	147,000				150
155	28.8	253.1	155,900	45.1	272.1	140,300				155
160	21.8	241.3	148,700	40.9	266.2	134,000	53.6	275.6	118,500	160
165	10.2	220.6	141,400	36.3	259.4	128,000	50.0	271.3	113,200	165
170				31.1	251.1	122,300	46.2	266.4	108,100	170
175				24.7	240.6	116,800	42.1	260.8	103,300	175
180				15.8	225.1	111,400	37.6	254.3	98,700	180
185							32.5	246.4	94,300	185
190							26.6	236.7	90,100	190
195							18.6	223.1	85,800	195



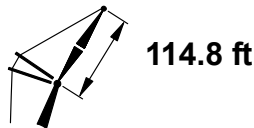
881,800 lb



360°



203.4 ft

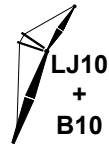


114.8 ft

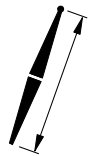
	85°			83°			80°			
	ft	ft	lb	ft	lb	ft	lb	lb	ft	
60	75.0	322.9	459,800 c							60
65	72.4	321.2	432,300 b							65
70	69.7	319.3	407,800 b							70
75	67.0	317.1	385,700 b	70.8	319.3	384,200 b				75
80	64.2	314.6	365,900	68.1	317.2	364,400 b				80
85	61.3	311.7	346,800	65.3	314.8	345,300				85
90	58.4	308.6	325,200	62.5	312.1	323,800	68.4	315.7	321,900	90
95	55.3	305.0	306,100	59.6	309.1	304,800	65.6	313.3	303,000	95
100	52.1	301.0	289,200	56.6	305.7	287,900	62.8	310.6	286,200	100
105	48.8	296.6	274,000	53.4	301.9	272,800	59.9	307.7	271,100	105
110	45.2	291.5	260,400	50.2	297.6	259,200	56.9	304.3	257,600	110
115	41.4	285.8	248,000	46.7	292.8	246,900	53.8	300.6	245,300	115
120	37.3	279.2	236,800	43.0	287.4	235,700	50.5	296.3	234,200	120
125	32.7	271.4	226,600	39.1	281.2	225,500	47.1	291.6	223,700	125
130	27.3	261.9	217,200	34.7	273.9	216,100	43.4	286.3	212,700	130
135	20.6	249.4	208,600	29.7	265.3	207,500	39.5	280.2	202,600	135
140	9.3	227.3	200,900	23.7	254.3	199,700	35.2	273.0	193,200	140
145				15.2	238.2	192,400	30.3	264.6	184,400	145
150							24.4	253.9	176,100	150
155							16.4	238.6	168,100	155
160										160
165										165
170										170
175										175
180										180
185										185
190										190
195										195
200										200
205										205

MLC650 S-3

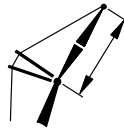
ASME B30.5



881,800 lb

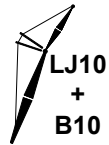


203.4 ft



114.8 ft

	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
60										60
65										65
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115	64.1	307.8	228,800							115
120	61.3	305.0	216,700							120
125	58.3	301.8	205,600							125
130	55.2	298.2	195,300							130
135	52.1	294.2	185,700							135
140	48.7	289.8	176,900	59.4	297.4	158,400				140
145	45.2	284.7	168,600	56.4	294.0	150,900				145
150	41.4	279.0	160,900	53.3	290.2	143,900				150
155	37.2	272.3	153,600	50.0	285.9	137,300				155
160	32.6	264.6	146,700	46.5	281.1	131,100				160
165	27.3	255.0	140,200	42.8	275.6	125,300	54.1	284.2	109,900	165
170	20.5	242.5	133,800	38.8	269.3	119,700	50.9	280.0	104,900	170
175	9.0	219.9	127,300	34.4	262.0	114,500	47.5	275.3	100,200	175
180				29.4	253.3	109,400	43.8	270.1	95,800	180
185				23.3	242.1	104,500	39.9	264.0	91,500	185
190				14.6	225.5	99,600	35.7	257.0	87,400	190
195							30.8	248.7	83,500	195
200							25.1	238.4	79,700	200
205							17.4	223.8	75,800	205



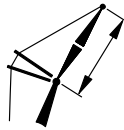
881,800 lb



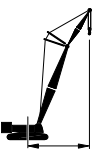
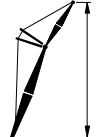
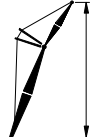
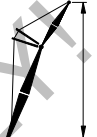
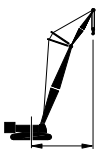
360°



203.4 ft



124.7 ft

	 85°			 83°			 80°			
 ft		 ft	 lb		 ft	 lb		 ft	 lb	 ft
65	73.8	331.6	428,400 b							65
70	71.4	329.9	404,400 b							70
75	68.9	327.8	382,800 b	72.4	329.8	381,300 b				75
80	66.4	325.6	363,300	69.9	327.9	361,900 b				80
85	63.8	323.0	345,700	67.4	325.7	344,200				85
90	61.2	320.2	324,600	64.9	323.3	323,300				90
95	58.4	317.0	305,600	62.3	320.6	304,300	67.7	324.2	302,500	95
100	55.6	313.5	288,700	59.6	317.5	287,500	65.1	321.8	285,700	100
105	52.7	309.7	273,600	56.8	314.2	272,400	62.5	319.1	270,700	105
110	49.7	305.3	259,900	53.9	310.5	258,800	59.9	316.1	257,200	110
115	46.5	300.5	247,600	51.0	306.3	246,500	57.1	312.8	245,000	115
120	43.1	295.1	236,400	47.8	301.7	235,300	54.3	309.1	233,800	120
125	39.5	289.0	226,200	44.5	296.6	225,100	51.3	305.0	223,700	125
130	35.5	282.0	216,800	41.0	290.8	215,800	48.2	300.5	213,000	130
135	31.1	273.8	208,200	37.2	284.2	207,200	44.9	295.4	203,000	135
140	26.0	263.7	200,200	33.0	276.5	199,200	41.4	289.7	193,600	140
145	19.5	250.5	192,900	28.2	267.3	191,900	37.6	283.2	184,900	145
150	8.2	226.5	186,300	22.4	255.7	185,100	33.5	275.6	176,800	150
155				14.2	238.5	177,000	28.8	266.6	169,100	155
160							23.1	255.3	161,800	160
165							15.3	239.1	154,900	165
170										170
175										175
180										180
185										185
190										190
195										195
200										200
205										205
210										210
215										215

MLC650 S-3

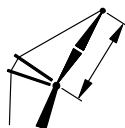
ASME B30.5



881,800 lb

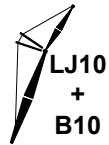


203.4 ft



124.7 ft

	75°			70°			65°			
ft			lb			lb			lb	ft
65										65
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115										115
120	63.8	316.3	216,800							120
125	61.1	313.4	205,700							125
130	58.4	310.3	195,400							130
135	55.6	306.8	186,000							135
140	52.7	302.9	177,200							140
145	49.6	298.5	169,000	59.4	305.9	151,000				145
150	46.4	293.7	161,300	56.7	302.5	144,000				150
155	43.1	288.3	154,100	53.8	298.8	137,500				155
160	39.4	282.2	147,400	50.8	294.6	131,400				160
165	35.5	275.1	141,000	47.7	290.0	125,600				165
170	31.0	266.9	134,900	44.4	284.8	120,100	54.6	292.7	105,000	170
175	25.9	256.8	129,100	40.8	279.0	115,000	51.6	288.7	100,400	175
180	19.3	243.5	123,400	37.0	272.3	110,100	48.5	284.2	96,000	180
185	7.8	219.0	117,600	32.8	264.5	105,400	45.3	279.2	91,800	185
190				27.9	255.3	100,900	41.8	273.5	87,900	190
195				22.0	243.5	96,500	38.1	267.1	84,000	195
200				13.6	225.7	92,000	34.0	259.7	80,400	200
205							29.3	250.9	76,800	205
210							23.8	239.9	73,300	210
215							16.3	224.5	69,800	215



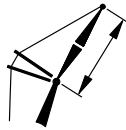
881,800 lb



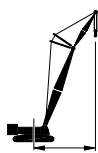
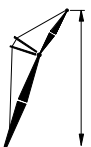
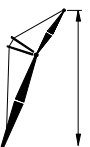
360°



203.4 ft

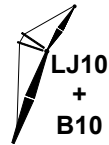


134.5 ft

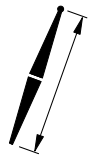
	 85°			 83°			 80°			
 ft		 ft	 lb		 ft	 lb		 ft	 lb	 ft
70	72.8	340.3	401,100 b							70
75	70.5	338.5	380,000							75
80	68.2	336.4	360,800	71.5	338.4	359,400				80
85	65.9	334.1	343,400	69.2	336.4	342,000				85
90	63.5	331.5	324,800	66.9	334.2	323,400				90
95	61.0	328.7	305,700	64.5	331.8	304,500	69.4	334.9	302,700	95
100	58.5	325.5	288,800	62.1	329.0	287,600	67.1	332.7	285,900	100
105	55.9	322.1	273,700	59.6	326.0	272,500	64.7	330.3	270,900	105
110	53.3	318.3	260,100	57.0	322.7	258,900	62.3	327.6	257,400	110
115	50.5	314.1	247,700	54.4	319.0	246,600	59.8	324.6	245,100	115
120	47.6	309.4	236,500	51.6	315.0	235,500	57.3	321.3	233,000	120
125	44.5	304.3	226,200	48.8	310.5	225,200	54.7	317.7	221,300	125
130	41.3	298.5	216,800	45.8	305.6	215,900	51.9	313.7	210,500	130
135	37.8	292.0	208,200	42.6	300.1	207,300	49.1	309.3	200,500	135
140	34.0	284.6	200,200	39.3	294.0	199,300	46.1	304.4	191,300	140
145	29.7	275.9	192,900	35.6	287.0	191,700	43.0	299.0	182,700	145
150	24.7	265.4	186,100	31.5	278.9	183,200	39.6	292.9	174,600	150
155	18.4	251.4	179,800	26.9	269.2	175,300	36.0	286.0	167,000	155
160	7.1	225.3	172,900	21.3	256.9	167,900	32.0	278.1	159,800	160
165				13.2	238.7	160,700	27.4	268.6	153,100	165
170							21.9	256.7	146,700	170
175							14.3	239.5	140,600	175
180										180
185										185
190										190
195										195
200										200
205										205
210										210
215										215
220										220
225										225

MLC650 S-3

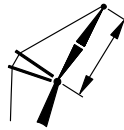
ASME B30.5



881,800 lb

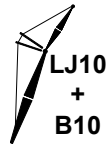


203.4 ft



134.5 ft

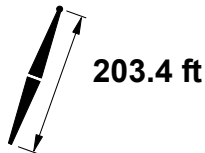
	75°			70°			65°			
ft		ft	lb		ft	lb		ft	lb	ft
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115										115
120										120
125	63.4	324.7	202,600							125
130	61.0	321.9	192,400							130
135	58.5	318.8	183,000							135
140	55.9	315.3	174,300							140
145	53.2	311.5	166,100							145
150	50.4	307.3	158,500	59.4	314.4	140,800				150
155	47.5	302.6	151,400	56.9	311.0	134,400				155
160	44.5	297.5	144,700	54.2	307.3	128,300				160
165	41.2	291.7	138,500	51.5	303.3	122,600				165
170	37.7	285.2	132,500	48.6	298.8	117,200				170
175	33.9	277.8	126,800	45.6	293.9	112,100	54.9	301.3	97,200	175
180	29.6	269.1	121,500	42.5	288.3	107,300	52.2	297.3	92,800	180
185	24.6	258.5	116,300	39.1	282.1	102,700	49.4	293.0	88,700	185
190	18.3	244.4	111,200	35.4	275.1	98,300	46.5	288.2	84,800	190
195	6.7	217.7	105,900	31.3	266.9	94,100	43.3	282.8	81,100	195
200				26.6	257.1	90,100	40.0	276.8	77,500	200
205				20.9	244.7	86,100	36.4	270.0	74,100	205
210				12.6	225.9	82,000	32.4	262.1	70,800	210
215							28.0	252.9	67,600	215
220							22.6	241.3	64,400	220
225							15.3	225.0	61,200	225



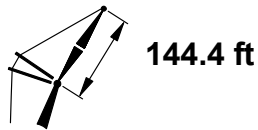
881,800 lb



360°



203.4 ft



144.4 ft

	85°			83°			80°			
ft			lb			lb			lb	ft
70	74.0	350.7	397,800 b							70
75	71.9	349.0	377,100							75
80	69.8	347.1	358,300	72.8	348.9	356,900				80
85	67.6	344.9	341,200	70.7	347.0	339,800				85
90	65.4	342.6	324,600	68.5	345.0	323,200				90
95	63.2	340.0	305,600	66.4	342.7	304,300				95
100	60.9	337.1	288,700	64.1	340.2	287,500	68.8	343.5	285,800	100
105	58.6	334.0	273,600	61.9	337.5	272,400	66.6	341.2	270,800	105
110	56.2	330.6	259,900	59.6	334.5	258,800	64.4	338.8	257,300	110
115	53.7	326.9	247,600	57.2	331.2	246,600	62.1	336.1	243,800	115
120	51.1	322.8	236,400	54.7	327.6	235,400	59.8	333.1	231,200	120
125	48.5	318.3	226,100	52.2	323.6	225,200	57.4	329.8	219,600	125
130	45.7	313.3	216,700	49.6	319.3	215,800	55.0	326.2	208,800	130
135	42.7	307.8	208,100	46.9	314.6	207,200	52.5	322.3	198,900	135
140	39.6	301.8	200,100	44.0	309.3	199,100	49.9	318.1	189,600	140
145	36.3	294.9	192,700	40.9	303.5	190,100	47.2	313.3	181,000	145
150	32.6	287.1	185,900	37.7	297.0	181,800	44.3	308.2	173,000	150
155	28.5	278.0	179,500	34.1	289.6	174,100	41.3	302.4	165,500	155
160	23.6	266.9	172,000	30.2	281.1	166,700	38.0	296.0	158,500	160
165	17.5	252.2	164,900	25.7	271.0	159,800	34.5	288.7	151,800	165
170	6.0	223.8	158,000	20.3	258.1	153,200	30.7	280.4	145,500	170
175				12.4	238.8	146,800	26.3	270.4	139,600	175
180							20.9	257.9	133,900	180
185							13.5	239.8	128,000	185
190										190
195										195
200										200
205										205
210										210
215										215
220										220
225										225
230										230
235										235

MLC650 S-3

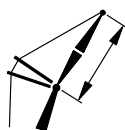
ASME B30.5



881,800 lb

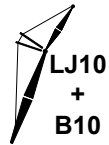


203.4 ft



144.4 ft

	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	ft
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115										115
120										120
125										125
130	63.2	333.2	190,400							130
135	60.9	330.4	181,000							135
140	58.5	327.2	172,300							140
145	56.1	323.8	164,200							145
150	53.7	320.1	156,700							150
155	51.1	316.0	149,600	59.4	322.8	132,300				155
160	48.4	311.5	143,000	57.1	319.5	126,300				160
165	45.6	306.5	136,700	54.6	315.9	120,600				165
170	42.7	301.0	130,800	52.1	311.9	115,300				170
175	39.6	294.9	125,300	49.4	307.6	110,200				175
180	36.2	288.1	120,000	46.7	302.8	105,400				180
185	32.5	280.3	114,900	43.8	297.5	100,900	52.8	306.0	86,700	185
190	28.4	271.1	110,100	40.8	291.7	96,600	50.2	301.7	82,800	190
195	23.5	260.0	105,500	37.5	285.1	92,500	47.4	297.1	79,100	195
200	17.3	245.2	100,900	33.9	277.7	88,600	44.6	291.9	75,600	200
205	5.5	215.9	96,000	30.0	269.1	84,800	41.6	286.2	72,300	205
210				25.5	258.9	81,100	38.4	279.9	69,000	210
215				19.9	245.8	77,500	34.9	272.7	65,900	215
220				11.8	225.9	73,800	31.1	264.5	62,900	220
225							26.8	254.8	60,000	225
230							21.6	242.6	57,100	230
235							14.5	225.5	54,200	235



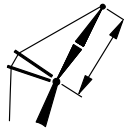
881,800 lb



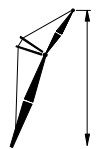
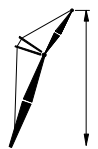
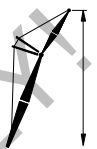
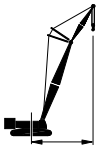
360°



203.4 ft

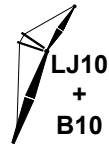


154.2 ft

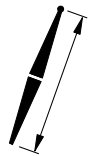
	 85°			 83°			 80°			
 ft		 ft	 lb		 ft	 lb		 ft	 lb	 ft
75	73.1	359.4	374,100							75
80	71.1	357.6	355,700							80
85	69.2	355.7	338,900	72.0	357.5	337,500				85
90	67.1	353.5	323,500	70.0	355.6	322,200				90
95	65.1	351.1	305,700	68.0	353.5	304,500				95
100	63.0	348.5	288,800	65.9	351.2	287,600				100
105	60.8	345.6	273,700	63.8	348.7	272,600	68.2	352.0	270,000	105
110	58.6	342.5	260,100	61.7	346.0	259,000	66.1	349.8	254,900	110
115	56.4	339.1	247,700	59.6	343.0	246,700	64.1	347.3	241,100	115
120	54.1	335.4	236,500	57.3	339.7	235,500	62.0	344.5	228,500	120
125	51.7	331.4	226,300	55.1	336.1	225,300	59.8	341.6	216,900	125
130	49.2	327.0	216,900	52.7	332.3	215,900	57.6	338.3	206,200	130
135	46.7	322.3	208,200	50.3	328.0	206,300	55.3	334.8	196,300	135
140	44.0	317.0	200,200	47.8	323.4	196,800	53.0	330.9	187,100	140
145	41.2	311.3	192,800	45.1	318.4	187,900	50.5	326.8	178,600	145
150	38.1	304.9	185,500	42.3	312.9	179,600	48.0	322.2	170,600	150
155	34.9	297.7	177,600	39.4	306.7	171,900	45.4	317.2	163,200	155
160	31.3	289.5	170,100	36.3	299.9	164,600	42.6	311.7	156,200	160
165	27.3	280.0	163,100	32.8	292.2	157,800	39.7	305.7	149,600	165
170	22.6	268.4	156,500	29.0	283.3	151,300	36.6	298.9	143,300	170
175	16.6	253.0	150,100	24.7	272.6	145,100	33.2	291.3	137,500	175
180	4.8	221.6	143,900	19.3	259.2	139,300	29.5	282.5	131,900	180
185				11.6	238.8	133,600	25.2	272.1	126,500	185
190							20.0	259.1	121,100	190
195							12.7	240.0	115,900	195
200										200
205										205
210										210
215										215
220										220
225										225
230										230
235										235
240										240
245										245

MLC650 S-3

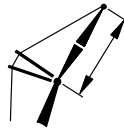
ASME B30.5



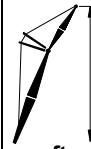
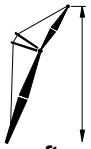
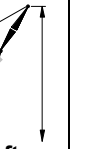
881,800 lb

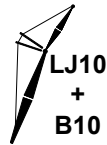


203.4 ft



154.2 ft

	75°			70°			65°			
										
	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115										115
120										120
125										125
130										130
135	62.9	341.7	178,000							135
140	60.8	338.8	169,300							140
145	58.6	335.7	161,300							145
150	56.4	332.3	153,800							150
155	54.1	328.6	146,800							155
160	51.7	324.6	140,200	59.4	331.3	123,100				160
165	49.2	320.2	134,000	57.2	328.0	117,500				165
170	46.6	315.5	128,200	54.9	324.4	112,200				170
175	43.9	310.2	122,700	52.6	320.6	107,200				175
180	41.1	304.4	117,400	50.1	316.3	102,500				180
185	38.1	298.0	112,500	47.6	311.7	98,000				185
190	34.8	290.8	107,800	45.0	306.6	93,800	53.2	314.6	79,600	190
195	31.3	282.6	103,200	42.2	301.1	89,700	50.8	310.4	76,000	195
200	27.3	273.1	98,900	39.2	294.9	85,900	48.3	305.9	72,600	200
205	22.5	261.4	94,700	36.1	288.0	82,200	45.7	301.0	69,300	205
210	16.5	245.9	90,600	32.7	280.2	78,600	42.9	295.5	66,100	210
215	4.2	213.2	86,000	28.8	271.3	75,200	40.0	289.5	63,100	215
220				24.4	260.5	71,800	37.0	282.9	60,200	220
225				19.0	246.8	68,500	33.6	275.4	57,300	225
230				11.0	225.8	65,100	29.9	266.7	54,600	230
235							25.7	256.5	52,000	235
240							20.6	243.8	49,300	240
245							13.6	225.8	46,600	245



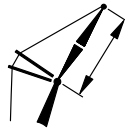
881,800 lb



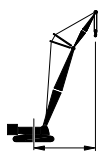
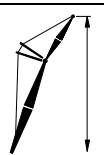
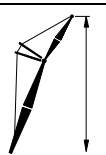
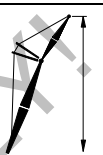
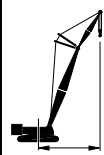
360°



203.4 ft

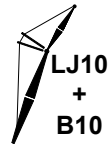


164.0 ft

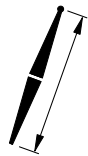
	 85°			 83°			 80°			
 ft	 °	 ft	 lb	 °	 ft	 lb	 °	 ft	 lb	 ft
75	74.2	369.7	366,300							75
80	72.3	368.1	353,000							80
85	70.5	366.2	336,500							85
90	68.6	364.2	321,400	71.2	366.2	320,100				90
95	66.7	362.0	305,500	69.4	364.2	304,200				95
100	64.7	359.6	288,600	67.5	362.1	287,400				100
105	62.8	356.9	273,500	65.5	359.8	272,400	69.6	362.7	268,900	105
110	60.7	354.1	259,900	63.6	357.2	258,800	67.7	360.6	253,900	110
115	58.7	351.0	247,600	61.6	354.4	246,500	65.7	358.3	240,200	115
120	56.6	347.6	236,300	59.6	351.4	235,300	63.8	355.8	227,500	120
125	54.4	344.0	226,100	57.5	348.2	225,100	61.8	353.0	216,000	125
130	52.2	340.0	216,700	55.3	344.7	215,700	59.8	350.0	205,400	130
135	49.9	335.8	208,000	53.1	340.9	205,500	57.7	346.8	195,600	135
140	47.5	331.1	200,100	50.9	336.7	196,100	55.6	343.3	186,400	140
145	45.1	326.1	192,700	48.5	332.3	187,300	53.4	339.5	177,900	145
150	42.5	320.6	184,900	46.1	327.4	179,100	51.1	335.4	169,900	150
155	39.7	314.5	177,000	43.5	322.1	171,300	48.8	331.0	162,600	155
160	36.8	307.8	169,600	40.9	316.2	164,100	46.4	326.2	155,600	160
165	33.6	300.3	162,700	38.0	309.8	157,400	43.8	320.9	149,000	165
170	30.2	291.8	156,100	35.0	302.7	150,900	41.2	315.2	142,900	170
175	26.3	281.8	149,900	31.7	294.6	144,800	38.3	308.8	137,100	175
180	21.7	269.7	144,000	28.0	285.3	139,100	35.3	301.7	131,500	180
185	15.8	253.6	138,400	23.7	274.2	133,600	32.0	293.8	126,300	185
190	3.2	217.9	132,800	18.5	260.1	128,300	28.4	284.6	121,200	190
195				10.8	238.7	123,300	24.2	273.8	116,200	195
200							19.1	260.1	111,400	200
205							11.9	240.0	106,600	205
210										210
215										215
220										220
225										225
230										230
235										235
240										240
245										245
250										250
255										255

MLC650 S-3

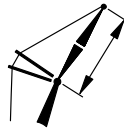
ASME B30.5



881,800 lb

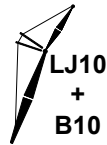


203.4 ft



164.0 ft

	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115										115
120										120
125										125
130										130
135	64.7	352.8	177,100							135
140	62.7	350.2	168,500							140
145	60.7	347.3	160,400							145
150	58.7	344.2	153,000							150
155	56.6	340.8	146,000							155
160	54.4	337.2	139,400							160
165	52.2	333.3	133,300	59.4	339.8	116,600				165
170	49.9	329.0	127,500	57.4	336.5	111,300				170
175	47.5	324.3	122,000	55.2	333.0	106,400				175
180	45.0	319.3	116,800	53.0	329.2	101,700				180
185	42.4	313.8	111,900	50.8	325.0	97,200				185
190	39.7	307.7	107,300	48.4	320.5	93,000				190
195	36.7	301.0	102,800	46.0	315.6	89,000	53.6	323.1	75,100	195
200	33.6	293.5	98,600	43.4	310.3	85,200	51.4	319.1	71,700	200
205	30.1	284.9	94,500	40.7	304.4	81,500	49.0	314.7	68,400	205
210	26.2	274.9	90,600	37.9	298.0	78,100	46.6	309.9	65,300	210
215	21.6	262.8	86,800	34.8	290.8	74,700	44.1	304.7	62,300	215
220	15.7	246.6	83,000	31.5	282.6	71,500	41.4	299.0	59,400	220
225				27.8	273.3	68,300	38.6	292.7	56,700	225
230				23.5	262.1	65,300	35.6	285.7	54,000	230
235				18.2	247.8	62,300	32.4	277.9	51,500	235
240				10.2	225.5	59,100	28.8	268.9	49,000	240
245							24.7	258.2	46,500	245
250							19.7	245.0	44,100	250
255							12.9	226.0	41,600	255



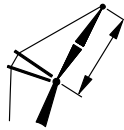
881,800 lb



360°



203.4 ft



173.9 ft

	85°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
80	73.4	378.5	340,800							80
85	71.6	376.8	334,000							85
90	69.9	374.9	319,200	72.3	376.6	317,900				90
95	68.1	372.8	305,600	70.6	374.8	304,300				95
100	66.3	370.5	288,700	68.8	372.8	287,600				100
105	64.4	368.1	273,600	67.0	370.6	272,500				105
110	62.6	365.4	260,000	65.2	368.3	259,000	69.0	371.3	250,900	110
115	60.7	362.6	247,700	63.4	365.7	246,700	67.2	369.1	237,300	115
120	58.7	359.5	236,500	61.5	362.9	235,500	65.4	366.8	224,800	120
125	56.8	356.1	226,200	59.5	359.9	224,200	63.6	364.2	213,300	125
130	54.7	352.5	216,800	57.6	356.7	213,300	61.7	361.5	202,700	130
135	52.6	348.7	208,200	55.6	353.2	203,100	59.8	358.5	192,900	135
140	50.5	344.5	200,000	53.5	349.4	193,700	57.8	355.3	183,800	140
145	48.3	340.0	191,000	51.4	345.4	184,900	55.8	351.8	175,300	145
150	46.0	335.1	182,700	49.2	341.0	176,700	53.7	348.1	167,500	150
155	43.6	329.8	174,800	46.9	336.3	169,000	51.6	344.1	160,100	155
160	41.1	324.0	167,500	44.6	331.2	161,800	49.4	339.8	153,200	160
165	38.4	317.7	160,600	42.1	325.6	155,100	47.2	335.1	146,600	165
170	35.6	310.7	154,100	39.5	319.5	148,700	44.8	330.0	140,500	170
175	32.5	302.8	147,900	36.8	312.8	142,700	42.4	324.5	134,700	175
180	29.1	293.9	142,100	33.8	305.3	137,000	39.8	318.4	129,200	180
185	25.4	283.6	136,500	30.6	296.9	131,600	37.1	311.8	124,100	185
190	20.9	271.0	131,200	27.0	287.2	126,500	34.1	304.4	119,000	190
195	15.1	254.2	126,100	22.9	275.7	121,500	30.9	296.1	114,200	195
200				17.7	261.0	116,900	27.4	286.6	109,500	200
205				10.1	238.4	112,100	23.3	275.3	105,000	205
210							18.4	261.1	100,700	210
215							11.2	240.0	96,300	215
220										220
225										225
230										230
235										235
240										240
245										245
250										250
255										255
260										260
265										265

MLC650 S-3

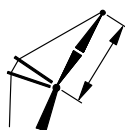
ASME B30.5



881,800 lb

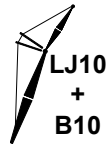


203.4 ft

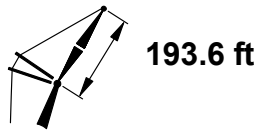
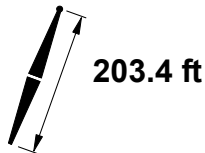


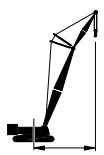
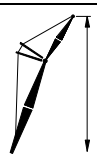
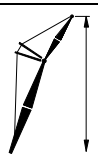
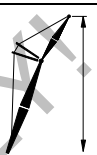
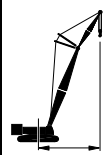
173.9 ft

	75°			70°			65°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115										115
120										120
125										125
130										130
135										135
140	64.4	361.3	165,400							140
145	62.5	358.7	157,500							145
150	60.6	355.8	150,000							150
155	58.7	352.7	143,100							155
160	56.7	349.3	136,600							160
165	54.7	345.7	130,500							165
170	52.6	341.9	124,700	59.4	348.3	108,200				170
175	50.5	337.7	119,300	57.5	345.0	103,300				175
180	48.2	333.2	114,200	55.5	341.5	98,700				180
185	45.9	328.3	109,300	53.4	337.8	94,300				185
190	43.5	323.0	104,700	51.3	333.7	90,100				190
195	41.0	317.2	100,300	49.1	329.3	86,100				195
200	38.4	310.8	96,100	46.8	324.5	82,400	54.0	331.7	68,500	200
205	35.5	303.8	92,100	44.5	319.4	78,800	51.9	327.7	65,300	205
210	32.5	296.0	88,300	42.0	313.8	75,300	49.7	323.4	62,200	210
215	29.1	287.1	84,600	39.4	307.7	72,000	47.4	318.8	59,300	215
220	25.3	276.7	81,000	36.6	300.9	68,900	45.1	313.7	56,500	220
225	20.8	264.0	77,500	33.6	293.4	65,800	42.7	308.3	53,800	225
230	15.0	247.1	74,000	30.4	284.9	62,900	40.1	302.3	51,200	230
235				26.8	275.2	60,000	37.4	295.7	48,700	235
240				22.6	263.5	57,200	34.5	288.4	46,200	240
245				17.4	248.6	54,400	31.3	280.2	43,900	245
250				9.5	225.1	51,500	27.8	270.9	41,600	250
255							23.8	259.8	39,400	255
260							19.0	246.0	37,100	260
265							12.2	226.1	34,800	265



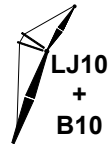
881,800 lb



	 85°			 83°			 80°			
 ft		 ft	 lb		 ft	 lb		 ft	 lb	 ft
85	73.6	397.5	296,600							85
90	72.0	395.9	295,100							90
95	70.4	394.0	293,300	72.7	395.7	293,000				95
100	68.8	392.0	287,500	71.1	393.9	286,300				100
105	67.2	389.9	272,400	69.5	392.0	271,300				105
110	65.6	387.6	258,900	67.9	389.9	257,800				110
115	63.9	385.1	246,600	66.3	387.7	245,100	69.7	390.5	233,200	115
120	62.3	382.4	235,400	64.6	385.3	232,300	68.1	388.4	220,800	120
125	60.6	379.5	225,100	63.0	382.7	220,600	66.4	386.2	209,500	125
130	58.8	376.4	215,700	61.3	379.9	209,700	64.8	383.8	199,000	130
135	57.0	373.1	206,200	59.5	376.9	199,700	63.1	381.2	189,200	135
140	55.2	369.6	196,700	57.8	373.7	190,300	61.4	378.4	180,200	140
145	53.4	365.8	187,800	56.0	370.2	181,600	59.7	375.5	171,900	145
150	51.5	361.8	179,600	54.2	366.6	173,500	58.0	372.3	164,000	150
155	49.5	357.5	171,800	52.3	362.7	166,000	56.2	368.9	156,700	155
160	47.5	352.9	164,500	50.3	358.5	158,800	54.4	365.2	149,900	160
165	45.4	347.9	157,600	48.3	354.0	152,100	52.5	361.3	143,400	165
170	43.3	342.5	151,200	46.3	349.1	145,800	50.6	357.2	137,400	170
175	41.0	336.7	145,100	44.2	343.9	139,900	48.6	352.7	131,600	175
180	38.6	330.4	139,400	41.9	338.3	134,200	46.5	347.9	126,200	180
185	36.1	323.6	133,900	39.6	332.3	128,900	44.4	342.8	121,100	185
190	33.4	316.0	128,800	37.2	325.6	123,800	42.2	337.2	116,200	190
195	30.5	307.6	123,800	34.5	318.4	119,000	39.9	331.2	111,400	195
200	27.3	298.0	119,100	31.7	310.3	114,400	37.4	324.6	106,900	200
205	23.7	286.9	114,600	28.7	301.3	110,000	34.8	317.4	102,500	205
210	19.4	273.3	110,300	25.3	290.8	105,800	32.0	309.5	98,400	210
215	13.8	255.0	106,100	21.3	278.4	101,900	29.0	300.5	94,400	215
220				16.4	262.6	97,700	25.6	290.3	90,600	220
225				8.8	237.5	93,400	21.8	278.2	86,900	225
230							17.0	262.8	83,200	230
235							9.9	239.6	79,500	235
240										240
245										245
250										250
255										255
260										260
265										265
270										270
275										275
280										280
285										285

MLC650 S-3

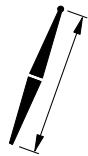
ASME B30.5



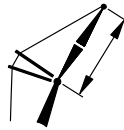
881,800 lb



360°

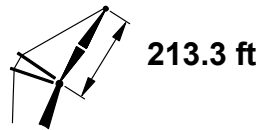
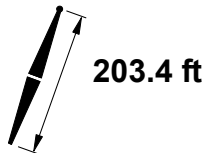
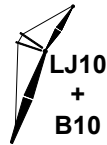


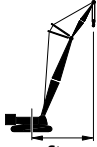
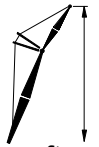
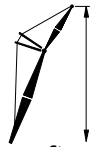
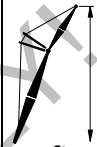
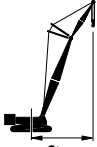
203.4 ft



193.6 ft

	75°			70°			65°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
85										85
90										90
95										95
100										100
105										105
110										110
115										115
120										120
125										125
130										130
135										135
140										140
145										145
150	63.9	378.3	146,100							150
155	62.2	375.6	139,200							155
160	60.5	372.7	132,800							160
165	58.8	369.7	126,700							165
170	57.0	366.4	121,000							170
175	55.2	362.8	115,700							175
180	53.3	359.1	110,600	59.4	365.2	94,600				180
185	51.4	355.0	105,800	57.7	362.0	90,300				185
190	49.5	350.7	101,200	55.9	358.6	86,100				190
195	47.5	346.1	96,900	54.1	354.9	82,200				195
200	45.4	341.1	92,800	52.2	351.0	78,500				200
205	43.2	335.7	88,900	50.2	346.7	75,000				205
210	40.9	329.9	85,100	48.2	342.2	71,600	54.5	348.8	58,100	210
215	38.6	323.6	81,500	46.2	337.4	68,400	52.7	345.0	55,200	215
220	36.1	316.7	78,100	44.0	332.2	65,300	50.8	340.8	52,500	220
225	33.4	309.1	74,800	41.8	326.5	62,400	48.8	336.4	49,900	225
230	30.5	300.7	71,600	39.5	320.4	59,500	46.7	331.6	47,300	230
235	27.3	291.1	68,500	37.0	313.8	56,800	44.6	326.5	44,900	235
240	23.6	279.9	65,500	34.4	306.5	54,200	42.4	321.0	42,600	240
245	19.3	266.3	62,600	31.6	298.4	51,600	40.1	315.0	40,300	245
250	13.7	247.9	59,700	28.5	289.3	49,100	37.7	308.6	38,100	250
255				25.1	278.8	46,700	35.1	301.4	36,000	255
260				21.1	266.2	44,300	32.4	293.6	34,000	260
265				16.1	250.1	42,000	29.4	284.7	32,000	265
270				8.2	224.0	39,400	26.0	274.7	30,000	270
275							22.2	262.8	28,100	275
280							17.6	247.9	26,200	280
285							10.9	226.1	24,100	285



	 85°			 83°			 80°			
 ft		 ft	 lb		 ft	 lb		 ft	 lb	 ft
90	73.7	416.6	256,900							90
95	72.3	415.0	255,600							95
100	70.9	413.2	254,300	72.9	414.8	253,900				100
105	69.4	411.3	252,800	71.5	413.1	253,700				105
110	68.0	409.2	251,100	70.0	411.2	253,100				110
115	66.5	407.0	247,700	68.6	409.2	240,900				115
120	65.0	404.6	235,400	67.1	407.0	228,300				120
125	63.5	402.1	223,700	65.7	404.7	216,700	68.8	407.7	205,400	125
130	62.0	399.3	212,800	64.2	402.3	206,000	67.3	405.5	195,100	130
135	60.5	396.5	202,700	62.6	399.6	196,000	65.8	403.2	185,400	135
140	58.9	393.4	193,200	61.1	396.8	186,800	64.3	400.8	176,500	140
145	57.3	390.1	184,400	59.5	393.8	178,100	62.8	398.2	168,200	145
150	55.6	386.7	176,200	57.9	390.7	170,100	61.3	395.4	160,400	150
155	54.0	383.0	168,500	56.3	387.3	162,600	59.7	392.4	153,100	155
160	52.3	379.1	161,300	54.7	383.7	155,500	58.1	389.3	146,400	160
165	50.5	374.9	154,500	53.0	379.9	148,800	56.5	385.9	140,000	165
170	48.7	370.5	148,100	51.2	375.8	142,600	54.8	382.3	134,000	170
175	46.9	365.7	142,100	49.5	371.5	136,700	53.2	378.5	128,300	175
180	45.0	360.7	136,400	47.6	366.9	131,100	51.4	374.5	122,900	180
185	43.0	355.3	131,000	45.8	362.0	125,900	49.7	370.2	117,900	185
190	40.9	349.5	125,900	43.8	356.7	120,900	47.8	365.6	113,000	190
195	38.8	343.2	121,000	41.8	351.1	116,100	46.0	360.8	108,400	195
200	36.5	336.5	116,400	39.7	345.0	111,600	44.0	355.5	103,900	200
205	34.1	329.1	112,000	37.5	338.5	107,200	42.0	350.0	99,600	205
210	31.6	321.0	107,700	35.1	331.4	103,100	39.9	343.9	95,500	210
215	28.8	311.9	103,700	32.6	323.6	99,200	37.7	337.5	91,600	215
220	25.7	301.7	99,800	30.0	315.0	95,400	35.4	330.4	87,900	220
225	22.3	289.8	96,100	27.0	305.3	91,800	32.9	322.7	84,300	225
230	18.1	275.3	92,500	23.8	294.1	88,100	30.3	314.2	80,900	230
235	12.7	255.6	88,900	20.0	280.9	84,500	27.4	304.6	77,600	235
240				15.2	263.9	81,000	24.1	293.7	74,300	240
245				7.6	236.1	77,400	20.4	280.7	71,200	245
250							15.8	264.2	68,100	250
255							8.8	238.7	64,900	255
260										260
265										265
270										270
275										275
280										280
285										285
290										290

MLC650 S-3

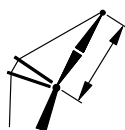
ASME B30.5



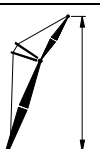
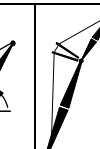
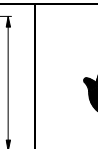
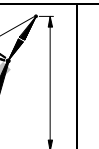
881,800 lb

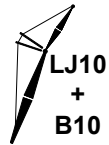


203.4 ft

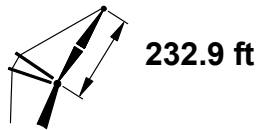
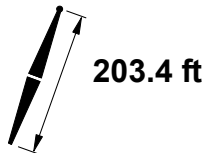


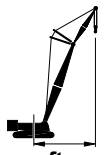
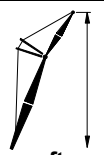
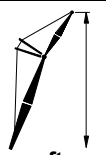
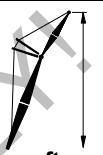
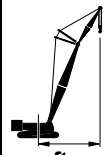
213.3 ft

	75°			70°			65°			
										
	ft	ft	lb	ft	lb	ft	lb	ft	lb	ft
90										90
95										95
100										100
105										105
110										110
115										115
120										120
125										125
130										130
135										135
140										140
145										145
150										150
155										155
160	63.5	395.3	128,900							160
165	62.0	392.6	122,900							165
170	60.4	389.7	117,300							170
175	58.9	386.6	112,000							175
180	57.2	383.4	106,900							180
185	55.6	379.9	102,200							185
190	53.9	376.2	97,700	59.4	382.2	82,100				190
195	52.2	372.3	93,400	57.9	379.0	78,300				195
200	50.5	368.1	89,300	56.2	375.6	74,600				200
205	48.7	363.7	85,400	54.6	372.0	71,100				205
210	46.8	358.9	81,700	52.9	368.2	67,800				210
215	44.9	353.9	78,200	51.2	364.1	64,700				215
220	43.0	348.5	74,800	49.4	359.8	61,600				220
225	40.9	342.7	71,600	47.5	355.1	58,700	53.3	362.1	45,800	225
230	38.7	336.4	68,500	45.7	350.2	55,900	51.6	358.1	43,300	230
235	36.5	329.6	65,500	43.7	344.9	53,300	49.9	353.9	41,000	235
240	34.1	322.2	62,700	41.7	339.3	50,700	48.0	349.3	38,700	240
245	31.5	314.1	59,900	39.6	333.2	48,200	46.2	344.5	36,500	245
250	28.7	305.1	57,200	37.3	326.6	45,800	44.2	339.3	34,400	250
255	25.7	294.8	54,600	35.0	319.5	43,500	42.2	333.8	32,300	255
260	22.2	282.9	52,000	32.5	311.7	41,300	40.1	327.8	30,400	260
265	18.1	268.3	49,500	29.8	303.0	39,100	38.0	321.4	28,500	265
270	12.6	248.5	47,000	26.9	293.2	37,000	35.6	314.4	26,600	270
275				23.6	282.0	34,900	33.2	306.7	24,800	275
280				19.7	268.6	32,900	30.6	298.3	23,100	280
285				14.9	251.3	30,800	27.7	288.9	21,400	285
290				6.9	222.1	28,600	24.5	278.1	19,700	290



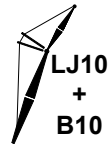
881,800 lb



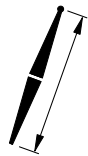
	 85°			 83°			 80°			
 ft		 ft	 lb		 ft	 lb		 ft	 lb	 ft
95	73.9	435.7	222,900							95
100	72.6	434.0	222,000							100
105	71.3	432.3	221,000							105
110	70.0	430.4	219,900	71.8	432.2	219,500				110
115	68.6	428.4	218,600	70.5	430.4	219,100				115
120	67.3	426.3	217,200	69.2	428.4	218,600				120
125	65.9	424.0	215,700	67.8	426.3	213,400				125
130	64.6	421.6	209,600	66.5	424.1	202,800	69.3	426.9	191,900	130
135	63.2	419.0	199,600	65.1	421.8	193,000	68.0	424.8	182,300	135
140	61.8	416.3	190,300	63.8	419.3	183,900	66.6	422.6	173,500	140
145	60.4	413.4	181,600	62.4	416.6	175,300	65.3	420.3	165,300	145
150	58.9	410.4	173,500	61.0	413.8	167,400	63.9	417.8	157,600	150
155	57.5	407.1	165,900	59.5	410.8	159,900	62.5	415.1	150,400	155
160	56.0	403.7	158,800	58.1	407.6	152,900	61.1	412.3	143,600	160
165	54.5	400.1	152,000	56.6	404.3	146,300	59.7	409.4	137,300	165
170	52.9	396.3	145,700	55.1	400.7	140,100	58.2	406.2	131,300	170
175	51.3	392.2	139,700	53.6	397.0	134,300	56.8	402.9	125,700	175
180	49.7	387.9	134,000	52.0	393.1	128,700	55.3	399.4	120,400	180
185	48.0	383.4	128,700	50.4	388.9	123,500	53.7	395.7	115,400	185
190	46.3	378.6	123,600	48.7	384.4	118,500	52.2	391.8	110,500	190
195	44.6	373.5	118,800	47.1	379.8	113,800	50.6	387.6	106,000	195
200	42.8	368.0	114,200	45.3	374.8	109,300	48.9	383.2	101,700	200
205	40.9	362.2	109,800	43.5	369.5	105,100	47.2	378.5	97,600	205
210	38.9	356.0	105,600	41.7	363.8	101,000	45.5	373.6	93,500	210
215	36.9	349.3	101,700	39.7	357.8	97,100	43.7	368.3	89,700	215
220	34.7	342.1	97,900	37.7	351.3	93,400	41.9	362.7	86,000	220
225	32.4	334.2	94,200	35.6	344.3	89,800	40.0	356.7	82,500	225
230	30.0	325.6	90,700	33.4	336.7	86,400	37.9	350.3	79,100	230
235	27.3	316.0	87,400	31.0	328.4	83,100	35.8	343.3	75,900	235
240	24.4	305.2	84,100	28.4	319.3	79,900	33.6	335.8	72,700	240
245	21.0	292.5	80,900	25.6	309.0	76,700	31.3	327.6	69,700	245
250	17.0	277.1	77,900	22.5	297.2	73,600	28.7	318.6	66,800	250
255	11.7	255.8	74,700	18.8	283.1	70,500	25.9	308.4	64,000	255
260				14.1	264.9	67,500	22.8	296.8	61,300	260
265				6.5	234.0	64,300	19.2	283.0	58,600	265
270							14.7	265.4	55,900	270
275							7.7	237.4	53,100	275
280										280
285										285
290										290
300										300
310										310

MLC650 S-3

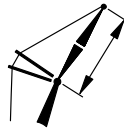
ASME B30.5



881,800 lb

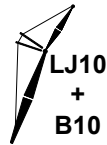


203.4 ft



232.9 ft

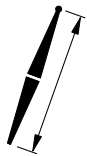
	75°			70°			65°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
95										95
100										100
105										105
110										110
115										115
120										120
125										125
130										130
135										135
140										140
145										145
150										150
155										155
160										160
165	64.6	414.8	120,200							165
170	63.2	412.3	114,600							170
175	61.8	409.5	109,300							175
180	60.3	406.6	104,300							180
185	58.9	403.6	99,600							185
190	57.4	400.3	95,100							190
195	55.9	396.9	90,900							195
200	54.4	393.3	86,800	59.5	399.1	71,800				200
205	52.9	389.5	83,000	58.0	396.0	68,400				205
210	51.3	385.4	79,400	56.5	392.6	65,100				210
215	49.7	381.1	75,900	55.0	389.1	62,000				215
220	48.0	376.6	72,500	53.5	385.3	59,000				220
225	46.3	371.8	69,300	51.9	381.4	56,100				225
230	44.6	366.7	66,300	50.3	377.2	53,400				230
235	42.7	361.2	63,400	48.7	372.7	50,700	53.9	379.3	38,100	235
240	40.8	355.4	60,500	47.0	368.0	48,200	52.3	375.4	35,900	240
245	38.9	349.2	57,800	45.2	363.0	45,800	50.7	371.2	33,700	245
250	36.8	342.5	55,200	43.4	357.7	43,400	49.1	366.9	31,700	250
255	34.7	335.2	52,700	41.6	352.0	41,200	47.4	362.2	29,700	255
260	32.4	327.4	50,300	39.6	346.0	39,000	45.7	357.3	27,800	260
265	29.9	318.7	47,900	37.6	339.5	36,900	43.9	352.1	25,900	265
270	27.3	309.1	45,600	35.5	332.4	34,900	42.1	346.5	24,100	270
275	24.3	298.3	43,400	33.3	324.8	32,900	40.2	340.5	22,400	275
280	21.0	285.6	41,200	30.9	316.5	31,000	38.2	334.2	20,700	280
285	17.0	270.1	39,000	28.3	307.3	29,100	36.1	327.3	19,000	285
290	11.5	248.7	36,700	25.5	296.9	27,300				290
300				18.6	270.8	23,700				300
310				5.7	219.5	19,900				310



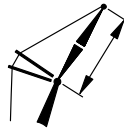
881,800 lb



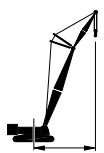
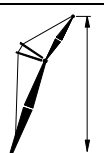
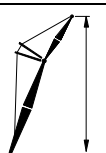
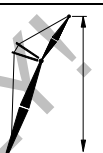
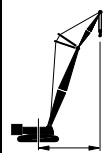
360°



203.4 ft

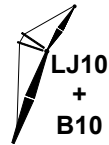


252.6 ft

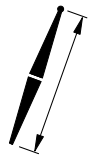
	 85°			 83°			 80°			
 ft		 ft	 lb		 ft	 lb		 ft	 lb	 ft
100	74.0	454.7	191,600							100
105	72.8	453.1	191,000							105
110	71.6	451.4	190,100							110
115	70.4	449.6	189,300	72.1	451.3	188,500				115
120	69.2	447.6	188,300	70.9	449.5	188,200				120
125	67.9	445.6	187,300	69.7	447.6	187,800				125
130	66.7	443.4	186,200	68.4	445.6	187,200				130
135	65.4	441.1	185,000	67.2	443.5	186,600	69.8	446.1	178,200	135
140	64.2	438.6	183,800	66.0	441.2	179,900	68.6	444.1	169,500	140
145	62.9	436.0	177,900	64.7	438.8	171,500	67.3	441.9	161,400	145
150	61.6	433.3	169,900	63.4	436.2	163,600	66.1	439.7	153,700	150
155	60.3	430.4	162,300	62.1	433.6	156,200	64.8	437.3	146,600	155
160	59.0	427.3	155,200	60.8	430.7	149,300	63.6	434.8	139,900	160
165	57.6	424.1	148,600	59.5	427.7	142,800	62.3	432.1	133,700	165
170	56.3	420.7	142,300	58.2	424.6	136,700	61.0	429.3	127,700	170
175	54.9	417.2	136,300	56.8	421.3	130,800	59.7	426.3	122,100	175
180	53.4	413.4	130,700	55.4	417.8	125,300	58.3	423.2	116,900	180
185	52.0	409.5	125,500	54.0	414.1	120,200	57.0	419.9	111,800	185
190	50.5	405.3	120,400	52.6	410.3	115,200	55.6	416.4	107,100	190
195	49.0	400.9	115,600	51.1	406.2	110,600	54.2	412.8	102,700	195
200	47.5	396.3	111,100	49.6	401.9	106,100	52.8	409.0	98,300	200
205	45.9	391.4	106,700	48.1	397.4	101,900	51.3	404.9	94,100	205
210	44.3	386.3	102,600	46.6	392.6	97,800	49.8	400.6	90,100	210
215	42.6	380.8	98,600	44.9	387.6	93,900	48.3	396.1	86,300	215
220	40.8	375.0	94,800	43.3	382.2	90,300	46.7	391.4	82,600	220
225	39.0	368.8	91,200	41.6	376.6	86,700	45.1	386.4	79,100	225
230	37.2	362.2	87,800	39.8	370.5	83,400	43.5	381.1	75,800	230
235	35.2	355.1	84,500	37.9	364.1	80,100	41.8	375.4	72,600	235
240	33.1	347.4	81,300	36.0	357.2	77,000	40.0	369.5	69,500	240
245	30.9	339.1	78,200	34.0	349.8	73,800	38.1	363.1	66,500	245
250	28.5	330.0	75,300	31.8	341.8	70,800	36.2	356.2	63,700	250
255	26.0	319.8	72,400	29.5	333.0	67,900	34.2	348.9	61,000	255
260	23.1	308.4	69,500	27.1	323.3	65,100	32.1	340.9	58,300	260
265	19.9	295.0	66,600	24.4	312.4	62,300	29.8	332.2	55,700	265
270	16.0	278.6	63,800	21.3	300.0	59,700	27.4	322.6	53,200	270
275	10.7	255.8	60,900	17.7	285.0	57,000	24.7	311.9	50,800	275
280				13.2	265.6	54,400	21.7	299.6	48,500	280
285				5.3	231.1	51,600	18.2	285.0	46,100	285
290							13.8	266.3	43,800	290
300										300
310										310

MLC650 S-3

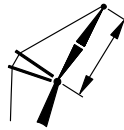
ASME B30.5



881,800 lb

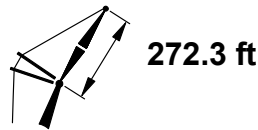
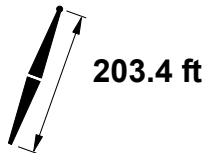
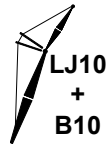


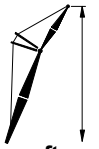
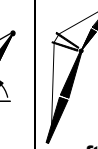
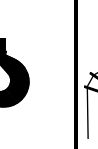
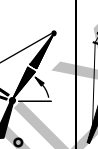
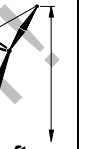
203.4 ft

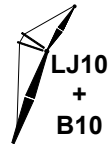


252.6 ft

	75°			70°			65°			
ft			lb			lb			lb	ft
100										100
105										105
110										110
115										115
120										120
125										125
130										130
135										135
140										140
145										145
150										150
155										155
160										160
165										165
170										170
175	64.2	431.8	105,200							175
180	62.9	429.2	100,300							180
185	61.6	426.5	95,600							185
190	60.3	423.6	91,200							190
195	58.9	420.5	86,900							195
200	57.6	417.3	82,900							200
205	56.2	413.9	79,100							205
210	54.8	410.4	75,500	59.5	416.1	60,900				210
215	53.4	406.6	72,100	58.1	412.9	57,800				215
220	52.0	402.7	68,800	56.8	409.6	54,900				220
225	50.5	398.5	65,600	55.4	406.1	52,000				225
230	49.0	394.1	62,600	54.0	402.4	49,300				230
235	47.4	389.5	59,700	52.5	398.6	46,700				235
240	45.9	384.6	56,900	51.1	394.5	44,300				240
245	44.2	379.4	54,200	49.6	390.2	41,900	54.3	396.4	29,500	245
250	42.5	374.0	51,700	48.0	385.7	39,600	52.9	392.6	27,500	250
255	40.8	368.1	49,200	46.5	380.9	37,400	51.5	388.5	25,500	255
260	39.0	361.9	46,800	44.9	375.8	35,200	50.0	384.3	23,600	260
265	37.1	355.3	44,500	43.2	370.5	33,200	48.4	379.8	21,800	265
270	35.2	348.2	42,300	41.5	364.8	31,200	46.9	375.1	20,100	270
275	33.1	340.5	40,100	39.7	358.7	29,300	45.3	370.1	18,400	275
280	30.9	332.2	38,000	37.8	352.3	27,400				280
285	28.5	323.1	36,000	35.9	345.3	25,600				285
290	25.9	312.9	34,000	33.9	337.9	23,900				290
300	19.9	288.0	30,200	29.4	321.0	20,500				300
310	10.6	248.6	26,300							310



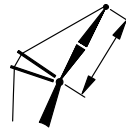
	85°			83°			80°			
										
	ft	ft	lb	ft	lb	ft	lb	ft	lb	ft
105	74.1	473.8	167,000							105
110	73.0	472.2	166,400							110
115	71.9	470.5	165,700							115
120	70.7	468.7	164,900	72.3	470.4	164,300				120
125	69.6	466.8	164,100	71.2	468.6	164,000				125
130	68.5	464.8	163,200	70.1	466.8	163,600				130
135	67.3	462.7	162,300	69.0	464.8	163,100				135
140	66.2	460.5	161,300	67.8	462.7	162,600				140
145	65.0	458.1	160,300	66.7	460.5	162,000	69.1	463.3	158,600	145
150	63.8	455.6	159,200	65.5	458.2	161,000	67.9	461.2	151,100	150
155	62.7	453.0	158,200	64.3	455.8	153,700	66.8	459.0	144,000	155
160	61.5	450.2	152,800	63.1	453.2	146,900	65.6	456.7	137,400	160
165	60.2	447.3	146,200	62.0	450.5	140,500	64.5	454.3	131,200	165
170	59.0	444.3	140,000	60.7	447.7	134,300	63.3	451.8	125,300	170
175	57.8	441.1	134,200	59.5	444.7	128,600	62.1	449.1	119,800	175
180	56.5	437.7	128,600	58.3	441.6	123,200	60.9	446.2	114,500	180
185	55.2	434.2	123,400	57.0	438.3	118,000	59.7	443.3	109,600	185
190	53.9	430.5	118,400	55.7	434.8	113,200	58.4	440.2	104,900	190
195	52.6	426.7	113,600	54.4	431.2	108,500	57.2	436.9	100,400	195
200	51.2	422.6	109,100	53.1	427.4	104,100	55.9	433.5	96,000	200
205	49.8	418.4	104,800	51.8	423.5	99,900	54.6	429.9	91,800	205
210	48.4	413.9	100,700	50.4	419.3	95,800	53.3	426.1	87,900	210
215	47.0	409.2	96,800	49.0	414.9	92,000	51.9	422.2	84,100	215
220	45.5	404.2	93,000	47.6	410.3	88,400	50.6	418.0	80,500	220
225	44.0	399.0	89,500	46.1	405.5	84,900	49.2	413.7	77,000	225
230	42.4	393.5	86,000	44.6	400.4	81,600	47.7	409.1	73,700	230
235	40.8	387.7	82,700	43.1	395.0	78,300	46.3	404.3	70,500	235
240	39.1	381.5	79,500	41.5	389.3	75,200	44.8	399.2	67,500	240
245	37.4	375.0	76,500	39.8	383.3	72,100	43.2	393.8	64,600	245
250	35.6	368.0	73,600	38.1	376.9	69,100	41.7	388.2	61,700	250
255	33.7	360.5	70,800	36.3	370.1	66,200	40.0	382.2	59,000	255
260	31.7	352.4	68,000	34.5	362.8	63,500	38.3	375.9	56,400	260
265	29.6	343.7	65,300	32.5	355.0	60,800	36.5	369.1	53,900	265
270	27.3	334.0	62,600	30.5	346.5	58,200	34.7	361.9	51,500	270
275	24.8	323.4	60,000	28.3	337.3	55,700	32.8	354.1	49,100	275
280	22.1	311.3	57,500	25.9	327.1	53,300	30.7	345.7	46,900	280
285	18.9	297.2	55,000	23.2	315.7	50,900	28.5	336.6	44,700	285
290	15.1	279.9	52,500	20.3	302.5	48,600	26.1	326.5	42,500	290
300				12.3	266.2	44,000	20.6	302.3	38,400	300
310							12.9	267.0	34,300	310
320										320
330										330



881,800 lb

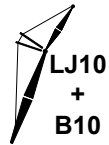


203.4 ft



272.3 ft

	75°			70°			
ft	ft	ft	lb	ft	lb	ft	ft
105							105
110							110
115							115
120							120
125							125
130							130
135							135
140							140
145							145
150							150
155							155
160							160
165							165
170							170
175							175
180	65.0	451.3	97,500				180
185	63.8	448.8	92,900				185
190	62.6	446.2	88,500				190
195	61.4	443.4	84,300				195
200	60.2	440.5	80,300				200
205	59.0	437.5	76,600				205
210	57.7	434.3	73,000				210
215	56.5	431.0	69,500				215
220	55.2	427.4	66,300	59.5	433.1	52,100	220
225	53.9	423.8	63,200	58.2	429.9	49,300	225
230	52.6	419.9	60,200	57.0	426.6	46,600	230
235	51.2	415.8	57,300	55.7	423.2	44,000	235
240	49.8	411.6	54,600	54.4	419.5	41,600	240
245	48.4	407.1	51,900	53.1	415.8	39,200	245
250	47.0	402.4	49,400	51.7	411.8	37,000	250
255	45.5	397.4	46,900	50.3	407.6	34,800	255
260	44.0	392.2	44,600	48.9	403.2	32,700	260
265	42.4	386.7	42,300	47.5	398.6	30,700	265
270	40.8	380.9	40,100	46.0	393.7	28,700	270
275	39.1	374.7	38,000	44.5	388.6	26,800	275
280	37.4	368.2	36,000	43.0	383.2	25,000	280
285	35.6	361.2	34,000	41.4	377.5	23,300	285
290	33.7	353.6	32,100	39.7	371.5	21,600	290
300	29.5	336.8	28,400	36.3	358.2	18,300	300
310	24.8	316.5	24,900				310
320	18.9	290.3	21,500				320
330	9.8	248.2	18,100				330



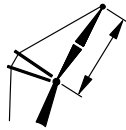
881,800 lb



360°



223.1 ft

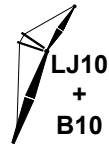


85.3 ft

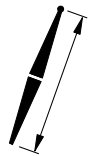
	85°			83°			80°			
	ft	ft	lb	ft	lb	ft	lb	ft	lb	ft
55	74.3	313.7	495,600 d							55
60	70.7	311.8	463,900 d							60
65	67.1	309.6	435,800 d	72.7	312.0	433,800 d				65
70	63.3	306.9	410,800 c	69.1	309.9	408,900 d				70
75	59.3	303.9	388,400 b	65.4	307.5	386,600 c				75
80	55.2	300.3	368,300 b	61.5	304.7	366,500 c				80
85	50.8	296.1	346,400	57.5	301.4	344,700 b	66.6	306.4	342,400 c	85
90	46.1	291.2	324,900	53.3	297.5	323,300 b	62.7	303.7	321,000 c	90
95	41.0	285.3	305,900	48.8	293.0	304,300	58.8	300.6	302,200 b	95
100	35.1	278.2	289,100	43.9	287.7	287,500	54.6	296.9	285,400 b	100
105	28.1	269.0	274,000	38.4	281.4	272,500	50.2	292.6	270,500	105
110	18.5	255.5	260,600	32.2	273.5	259,000	45.4	287.6	257,000	110
115				24.3	262.9	246,800	40.2	281.6	244,800	115
120				11.1	243.8	235,900	34.2	274.3	233,700	120
125							27.0	264.7	223,100	125
130							16.6	250.1	211,900	130
135										135
140										140
145										145
150										150
155										155
160										160
165										165
170										170
175										175
180										180
185										185

MLC650 S-3

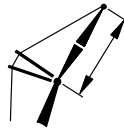
ASME B30.5



881,800 lb

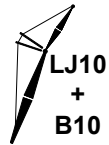


223.1 ft



85.3 ft

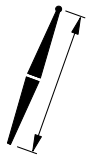
	75°			70°			65°			
ft			lb			lb			lb	ft
55										55
60										60
65										65
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110	62.0	298.6	241,000 b							110
115	58.0	295.4	228,000 b							115
120	53.7	291.6	216,100 b							120
125	49.3	287.2	205,100							125
130	44.4	282.0	195,000							130
135	39.1	275.7	185,500	56.7	288.2	165,700				135
140	32.9	268.1	176,500	52.5	284.2	157,800				140
145	25.3	257.9	168,000	47.9	279.6	150,300				145
150	13.4	240.8	159,400	42.9	274.1	143,300				150
155				37.4	267.5	136,700	55.0	278.9	119,800	155
160				30.9	259.2	130,400	50.6	274.7	114,300	160
165				22.5	247.9	124,200	45.9	269.7	109,100	165
170							40.7	263.8	104,100	170
175							34.8	256.6	99,300	175
180							27.7	247.3	94,700	180
185							17.8	233.4	90,000	185



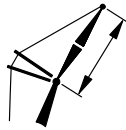
881,800 lb



360°



223.1 ft

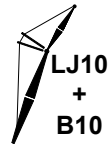


95.1 ft

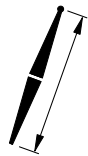
	85°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
60	72.8	322.3	459,800 d							60
65	69.6	320.4	432,300 c							65
70	66.3	318.1	407,800 c	71.4	320.6	405,900 c				70
75	62.9	315.4	385,800 b	68.1	318.5	384,000 c				75
80	59.4	312.3	366,000 b	64.8	316.0	364,200 b				80
85	55.7	308.8	346,400	61.3	313.2	344,800 b	69.2	317.3	342,500 b	85
90	51.8	304.8	324,900	57.7	309.9	323,300 b	65.8	314.9	321,100 b	90
95	47.7	300.1	305,900	54.0	306.1	304,400	62.4	312.2	302,300 b	95
100	43.3	294.7	289,000	50.0	301.8	287,600	58.9	309.1	285,600 b	100
105	38.4	288.4	273,900	45.8	296.9	272,500	55.2	305.5	270,600	105
110	32.9	280.7	260,300	41.1	291.1	259,000	51.3	301.3	257,100	110
115	26.2	270.8	248,100	36.0	284.2	246,700	47.1	296.6	244,900	115
120	16.9	256.2	237,100	30.1	275.6	235,600	42.6	291.1	232,800	120
125				22.6	264.2	225,500	37.7	284.6	221,100	125
130				9.5	243.2	216,400	32.0	276.6	210,300	130
135							25.2	266.3	200,100	135
140							15.1	250.4	190,500	140
145										145
150										150
155										155
160										160
165										165
170										170
175										175
180										180
185										185
190										190
195										195

MLC650 S-3

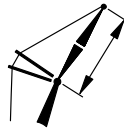
ASME B30.5



881,800 lb

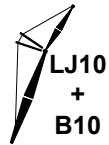


223.1 ft



95.1 ft

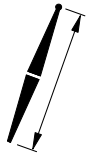
	75°			70°			65°			
ft			lb			lb			lb	ft
60										60
65										65
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115	61.7	307.1	225,000 b							115
120	58.1	303.9	213,200							120
125	54.4	300.2	202,400							125
130	50.4	295.9	192,300							130
135	46.2	291.1	182,900							135
140	41.7	285.4	174,100	57.0	296.7	154,500				140
145	36.6	278.6	165,900	53.2	292.9	147,200				145
150	30.8	270.3	158,100	49.2	288.4	140,400				150
155	23.5	259.3	150,700	44.9	283.3	133,900				155
160	11.9	240.7	143,100	40.2	277.4	127,800				160
165				35.0	270.2	122,000	51.6	283.4	105,800	165
170				28.8	261.3	116,400	47.5	278.7	101,000	170
175				20.8	249.0	111,000	43.0	273.2	96,400	175
180							38.1	266.8	92,100	180
185							32.6	259.0	87,800	185
190							25.8	249.0	83,700	190
195							16.3	234.0	79,500	195



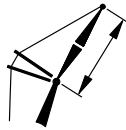
881,800 lb



360°



223.1 ft

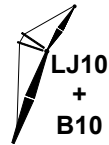


105.0 ft

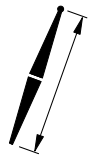
	85°			83°			80°			
										
	ft	ft	ft	lb	ft	lb	ft	lb	ft	ft
60	74.5	332.7	455,300 d							60
65	71.6	331.0	428,500 c							65
70	68.7	328.9	404,500 c							70
75	65.7	326.6	382,900 b	70.3	329.2	381,200 c				75
80	62.6	323.9	363,400 b	67.3	327.0	361,700 b				80
85	59.4	320.8	345,700	64.3	324.5	344,100 b				85
90	56.0	317.4	324,700	61.1	321.6	323,200 b	68.3	325.8	321,000 b	90
95	52.6	313.4	305,700	57.9	318.4	304,200	65.2	323.4	302,200 b	95
100	48.9	309.0	288,800	54.5	314.7	287,400	62.1	320.6	285,400 b	100
105	45.0	303.9	273,700	51.0	310.6	272,400	58.9	317.5	270,500	105
110	40.9	298.1	260,100	47.2	305.9	258,800	55.6	314.0	257,000	110
115	36.2	291.2	247,800	43.2	300.5	246,500	52.1	310.0	244,200	115
120	31.0	282.9	236,700	38.8	294.2	235,400	48.4	305.5	231,500	120
125	24.6	272.4	226,500	34.0	286.8	225,200	44.5	300.3	220,000	125
130	15.6	256.7	217,300	28.3	277.6	215,900	40.2	294.4	209,300	130
135				21.1	265.4	207,400	35.5	287.3	199,300	135
140				8.1	242.2	199,500	30.2	278.8	190,100	140
145							23.6	267.8	181,300	145
150							13.8	250.7	173,000	150
155										155
160										160
165										165
170										170
175										175
180										180
185										185
190										190
195										195
200										200
205										205

MLC650 S-3

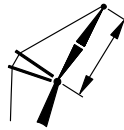
ASME B30.5



881,800 lb

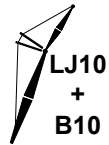


223.1 ft



105.0 ft

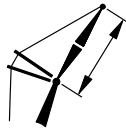
	75°			70°			65°			
ft			lb			lb			lb	ft
60										60
65										65
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115	64.6	318.4	223,200							115
120	61.5	315.6	211,500							120
125	58.2	312.4	200,800							125
130	54.9	308.8	190,800							130
135	51.4	304.7	181,500							135
140	47.6	300.0	172,900							140
145	43.7	294.7	164,800	57.3	305.2	145,500				145
150	39.3	288.5	157,200	53.9	301.5	138,700				150
155	34.5	281.3	150,000	50.3	297.2	132,400				155
160	28.9	272.3	143,200	46.5	292.4	126,400				160
165	22.0	260.6	136,700	42.4	286.8	120,700				165
170	10.6	240.3	130,000	38.0	280.4	115,400	52.4	292.0	99,300	170
175				33.0	272.7	110,200	48.7	287.6	94,800	175
180				27.1	263.1	105,300	44.8	282.4	90,600	180
185				19.4	250.0	100,400	40.6	276.6	86,500	185
190							36.0	269.6	82,600	190
195							30.7	261.3	78,800	195
200							24.2	250.6	75,100	200
205							15.0	234.4	71,200	205



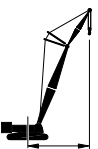
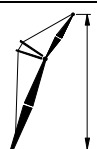
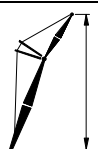
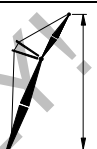
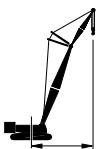
881,800 lb



223.1 ft

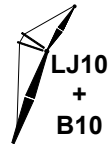


114.8 ft

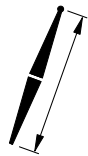
	 85°			 83°			 80°			
 ft		 ft	 lb		 ft	 lb		 ft	 lb	 ft
65	73.3	341.4	424,800 c							65
70	70.6	339.6	401,300 b							70
75	67.9	337.5	380,100 b	72.1	339.7	378,400 b				75
80	65.1	335.1	361,000 b	69.4	337.7	359,300 b				80
85	62.3	332.3	343,600	66.7	335.5	342,000 b				85
90	59.4	329.3	324,800	63.9	333.0	323,300				90
95	56.4	325.9	305,800	61.0	330.1	304,400	67.5	334.3	302,300	95
100	53.2	322.0	288,900	58.0	326.9	287,500	64.7	331.9	285,600	100
105	49.9	317.8	273,800	55.0	323.3	272,500	61.9	329.1	270,000	105
110	46.5	312.9	260,200	51.8	319.3	258,900	59.0	326.0	255,100	110
115	42.8	307.5	247,900	48.4	314.7	246,600	55.9	322.5	241,400	115
120	38.8	301.2	236,700	44.8	309.6	235,500	52.8	318.7	229,000	120
125	34.3	293.9	226,500	41.0	303.8	225,300	49.5	314.3	217,500	125
130	29.3	285.1	217,100	36.8	297.1	215,900	46.0	309.4	206,900	130
135	23.2	273.8	208,600	32.2	289.2	207,400	42.2	303.8	197,000	135
140	14.4	257.0	200,700	26.7	279.5	197,800	38.2	297.4	187,800	140
145				19.8	266.5	188,800	33.7	289.9	179,300	145
150				6.7	240.8	180,200	28.5	280.9	171,200	150
155							22.2	269.2	163,700	155
160							12.7	250.8	156,400	160
165										165
170										170
175										175
180										180
185										185
190										190
195										195
200										200
205										205
210										210
215										215

MLC650 S-3

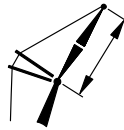
ASME B30.5



881,800 lb

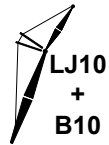


223.1 ft



114.8 ft

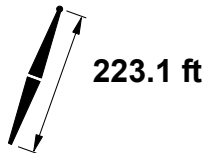
	75°			70°			65°			
ft		ft	lb		ft	lb		ft	lb	ft
65										65
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115										115
120	64.2	326.9	208,400							120
125	61.3	324.0	197,700							125
130	58.4	320.9	187,700							130
135	55.3	317.3	178,500							135
140	52.1	313.3	170,000							140
145	48.8	308.9	162,000							145
150	45.2	303.8	154,500	57.5	313.7	135,400				150
155	41.4	298.1	147,500	54.4	310.0	129,200				155
160	37.3	291.5	140,900	51.1	305.9	123,300				160
165	32.7	283.7	134,600	47.7	301.3	117,700				165
170	27.4	274.3	128,600	44.1	296.1	112,500				170
175	20.6	261.8	122,800	40.3	290.1	107,500	53.0	300.7	91,500	175
180	9.4	239.7	116,800	36.0	283.2	102,700	49.8	296.3	87,300	180
185				31.2	275.0	98,200	46.3	291.5	83,400	185
190				25.6	264.9	93,800	42.6	286.0	79,600	190
195				18.2	250.9	89,400	38.5	279.6	76,000	195
200							34.1	272.3	72,500	200
205							29.0	263.4	69,100	205
210							22.8	252.0	65,700	210
215							13.8	234.6	62,200	215



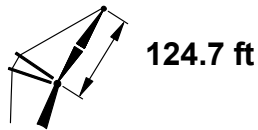
881,800 lb



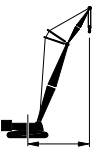
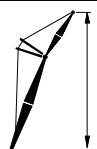
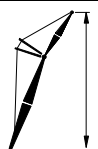
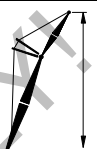
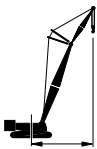
360°



223.1 ft

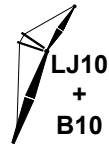


124.7 ft

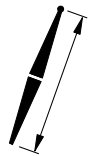
	 85°			 83°			 80°			
 ft	 °	 ft	 lb	 °	 ft	 lb	 °	 ft	 lb	 ft
65	74.6	351.8	405,500 c							65
70	72.2	350.1	397,800 b							70
75	69.7	348.2	377,000 b							75
80	67.2	346.0	358,300 b	71.1	348.3	356,600 b				80
85	64.7	343.5	341,200	68.6	346.3	339,600 b				85
90	62.1	340.8	324,200	66.1	344.0	322,700				90
95	59.4	337.8	305,300	63.5	341.4	303,900	69.4	345.1	301,800	95
100	56.6	334.4	288,500	60.9	338.6	287,100	66.9	342.8	285,200	100
105	53.7	330.6	273,400	58.1	335.4	272,100	64.3	340.4	269,800	105
110	50.8	326.5	259,800	55.3	331.8	258,500	61.7	337.6	254,900	110
115	47.6	321.8	247,500	52.4	327.9	246,300	59.0	334.5	241,400	115
120	44.3	316.6	236,300	49.4	323.5	235,100	56.2	331.1	228,900	120
125	40.8	310.8	226,100	46.2	318.7	224,900	53.3	327.3	217,500	125
130	36.9	304.1	216,700	42.7	313.2	215,600	50.3	323.0	207,000	130
135	32.7	296.3	208,100	39.1	307.0	207,000	47.2	318.3	197,200	135
140	27.8	287.0	200,200	35.1	299.9	198,300	43.8	313.1	188,100	140
145	21.9	275.2	192,900	30.6	291.5	189,500	40.3	307.1	179,700	145
150	13.4	257.3	186,200	25.4	281.2	181,200	36.4	300.3	171,800	150
155				18.6	267.4	173,400	32.1	292.3	164,300	155
160				5.2	238.6	165,900	27.1	282.8	157,300	160
165							21.0	270.4	150,700	165
170							11.6	250.7	144,200	170
175										175
180										180
185										185
190										190
195										195
200										200
205										205
210										210
215										215
220										220
225										225

MLC650 S-3

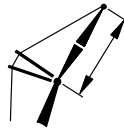
ASME B30.5



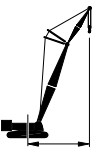
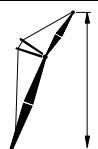
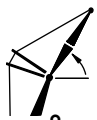
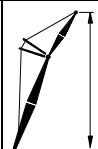
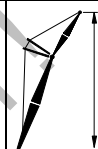
881,800 lb

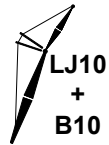


223.1 ft



124.7 ft

	 75°			 70°			 65°			
 ft		 ft	 lb		 ft	 lb		 ft	 lb	 ft
65										65
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115										115
120										120
125	63.8	335.3	197,700							125
130	61.2	332.5	187,800							130
135	58.4	329.3	178,700							135
140	55.6	325.8	170,200							140
145	52.7	322.0	162,200							145
150	49.7	317.6	154,800							150
155	46.5	312.8	147,900	57.6	322.2	129,300				155
160	43.1	307.4	141,400	54.8	318.6	123,400				160
165	39.5	301.3	135,200	51.9	314.6	117,900				165
170	35.5	294.3	129,400	48.8	310.1	112,800				170
175	31.1	286.1	123,800	45.5	305.2	107,800				175
180	26.0	276.0	118,500	42.1	299.6	103,200	53.6	309.3	87,400	180
185	19.5	262.8	113,300	38.4	293.2	98,700	50.6	305.1	83,500	185
190	8.2	238.9	107,900	34.3	285.9	94,500	47.5	300.4	79,800	190
195				29.7	277.2	90,400	44.1	295.2	76,300	195
200				24.2	266.4	86,400	40.6	289.3	72,900	200
205				17.0	251.6	82,500	36.7	282.6	69,600	205
210							32.5	274.7	66,400	210
215							27.6	265.3	63,400	215
220							21.6	253.3	60,300	220
225							12.8	234.8	57,100	225



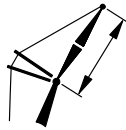
881,800 lb



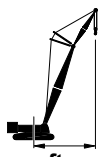
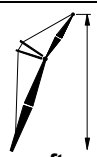
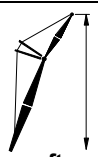
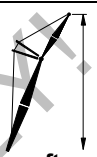
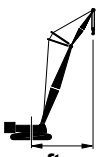
360°

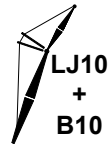


223.1 ft

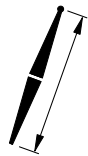


134.5 ft

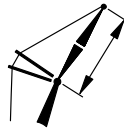
	 85°			 83°			 80°			
 ft		 ft	 lb		 ft	 lb		 ft	 lb	 ft
70	73.6	360.5	376,000 b							70
75	71.3	358.7	372,000 b							75
80	69.0	356.7	355,700	72.6	358.8	354,100 b				80
85	66.7	354.5	338,900	70.3	356.9	337,400				85
90	64.3	352.0	323,600	68.0	354.8	322,100				90
95	61.9	349.3	305,400	65.6	352.5	304,000				95
100	59.4	346.3	288,600	63.2	349.9	287,200	68.7	353.6	282,900	100
105	56.8	342.9	273,500	60.8	347.0	272,200	66.4	351.4	266,700	105
110	54.2	339.2	259,900	58.2	343.9	258,600	64.0	348.8	252,000	110
115	51.4	335.2	247,600	55.7	340.4	246,400	61.5	346.1	238,500	115
120	48.6	330.7	236,400	53.0	336.5	235,200	59.0	343.0	226,200	120
125	45.6	325.7	226,100	50.2	332.3	225,000	56.5	339.6	214,800	125
130	42.4	320.2	216,800	47.3	327.6	215,500	53.8	335.9	204,400	130
135	39.0	314.0	208,100	44.2	322.4	205,400	51.1	331.7	194,700	135
140	35.3	306.9	200,200	40.9	316.6	196,000	48.2	327.2	185,600	140
145	31.2	298.7	192,800	37.4	310.0	187,300	45.2	322.2	177,300	145
150	26.5	288.9	185,400	33.5	302.4	179,100	42.0	316.5	169,400	150
155	20.8	276.4	177,500	29.2	293.6	171,400	38.5	310.2	162,100	155
160	12.4	257.4	170,000	24.1	282.8	164,200	34.8	303.0	155,200	160
165				17.6	268.2	157,300	30.6	294.6	148,600	165
170				2.9	234.3	150,600	25.8	284.5	142,500	170
175							19.9	271.5	136,500	175
180							10.7	250.5	130,800	180
185										185
190										190
195										195
200										200
205										205
210										210
215										215
220										220
225										225
230										230
235										235



881,800 lb

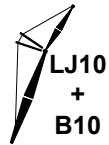


223.1 ft



134.5 ft

	75°			70°			65°			
ft	ft	ft	lb	ft	ft	lb	ft	ft	lb	ft
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115										115
120										120
125										125
130	63.5	343.8	184,700							130
135	61.0	341.0	175,600							135
140	58.5	337.8	167,100							140
145	55.9	334.4	159,300							145
150	53.3	330.6	151,900							150
155	50.5	326.4	145,100							155
160	47.6	321.7	138,600	57.8	330.7	120,200				160
165	44.5	316.6	132,500	55.2	327.2	114,800				165
170	41.3	310.8	126,800	52.5	323.2	109,700				170
175	37.8	304.3	121,300	49.6	318.9	104,800				175
180	34.0	296.9	116,200	46.7	314.1	100,200				180
185	29.7	288.3	111,200	43.6	308.8	95,900	54.0	317.8	80,200	185
190	24.7	277.7	106,500	40.3	302.9	91,700	51.3	313.8	76,600	190
195	18.4	263.7	101,800	36.7	296.1	87,800	48.4	309.3	73,100	195
200	7.2	237.8	96,800	32.8	288.4	83,900	45.4	304.3	69,800	200
205				28.3	279.2	80,300	42.2	298.7	66,600	205
210				23.1	267.9	76,700	38.8	292.4	63,500	210
215				16.1	252.2	73,100	35.1	285.3	60,600	215
220							31.0	277.1	57,700	220
225							26.3	267.1	54,900	225
230							20.5	254.4	52,200	230
235							11.8	234.7	49,200	235



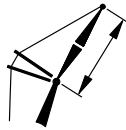
881,800 lb



360°



223.1 ft

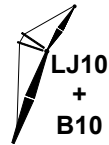


144.4 ft

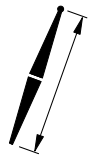
	85°			83°			80°			
ft	ft	ft	lb	ft	ft	lb	ft	lb	ft	
70	74.7	370.8	353,000 b							70
75	72.6	369.2	350,200 b							75
80	70.5	367.4	346,500							80
85	68.4	365.3	336,400	71.7	367.5	334,900				85
90	66.2	363.0	321,300	69.6	365.5	319,800				90
95	64.0	360.5	305,300	67.4	363.4	303,900				95
100	61.7	357.8	288,400	65.2	361.0	287,100				100
105	59.4	354.7	273,400	63.0	358.4	272,100	68.1	362.2	264,600	105
110	57.0	351.4	259,800	60.7	355.5	258,500	65.9	359.9	249,900	110
115	54.6	347.8	247,500	58.3	352.3	246,300	63.7	357.3	236,500	115
120	52.0	343.8	236,300	55.9	348.9	235,100	61.4	354.5	224,300	120
125	49.4	339.5	226,000	53.4	345.1	224,600	59.1	351.5	212,900	125
130	46.7	334.7	216,700	50.9	341.0	213,800	56.7	348.1	202,500	130
135	43.8	329.4	208,000	48.2	336.4	203,700	54.2	344.4	192,900	135
140	40.7	323.5	200,100	45.4	331.4	194,400	51.7	340.4	183,900	140
145	37.4	317.0	192,300	42.4	325.9	185,700	49.0	336.0	175,600	145
150	33.9	309.5	184,000	39.3	319.8	177,600	46.3	331.2	167,800	150
155	29.9	300.9	176,200	35.9	312.8	170,000	43.4	325.8	160,500	155
160	25.4	290.6	168,800	32.2	304.9	162,900	40.3	319.9	153,700	160
165	19.8	277.5	161,900	28.0	295.6	156,100	37.0	313.2	147,200	165
170	11.6	257.3	155,300	23.1	284.3	149,800	33.4	305.6	141,100	170
175				16.7	269.0	143,600	29.3	296.8	135,400	175
180							24.7	286.2	129,800	180
185							18.9	272.5	124,600	185
190							9.8	250.1	119,100	190
195										195
200										200
205										205
210										210
215										215
220										220
225										225
230										230
235										235
240										240
245										245

MLC650 S-3

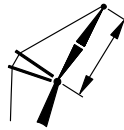
ASME B30.5



881,800 lb

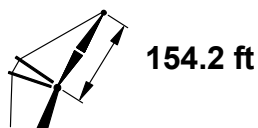
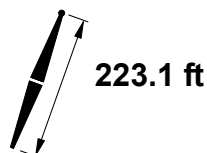


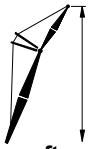
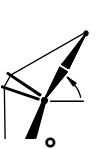
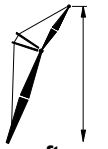
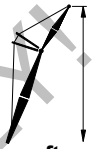
223.1 ft



144.4 ft

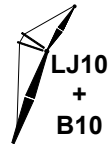
	75°			70°			65°			
ft			lb			lb			lb	ft
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115										115
120										120
125										125
130										130
135	63.2	352.3	173,500							135
140	60.9	349.4	165,100							140
145	58.6	346.3	157,300							145
150	56.2	342.9	150,000							150
155	53.7	339.2	143,100							155
160	51.1	335.1	136,700							160
165	48.5	330.6	130,700	57.9	339.2	112,700				165
170	45.7	325.6	125,000	55.5	335.7	107,600				170
175	42.7	320.2	119,600	53.0	331.8	102,800				175
180	39.6	314.1	114,600	50.4	327.6	98,300				180
185	36.3	307.2	109,700	47.7	323.0	94,000				185
190	32.6	299.4	105,100	44.8	317.9	89,900	54.4	326.4	74,500	190
195	28.5	290.3	100,600	41.8	312.3	86,000	51.9	322.4	71,000	195
200	23.6	279.2	96,300	38.7	306.0	82,200	49.3	318.0	67,800	200
205	17.5	264.6	92,100	35.2	298.9	78,700	46.5	313.2	64,600	205
210	6.0	236.2	87,600	31.4	290.8	75,200	43.6	307.9	61,600	210
215				27.1	281.2	71,900	40.5	302.0	58,800	215
220				22.0	269.3	68,600	37.3	295.4	56,000	220
225				15.2	252.7	65,300	33.7	287.9	53,300	225
230							29.7	279.3	50,700	230
235							25.1	268.9	48,100	235
240							19.5	255.5	45,600	240
245							10.9	234.6	42,800	245



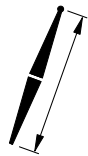
	85°			83°			80°			
ft			lb			lb			lb	ft
75	73.8	379.6	329,000							75
80	71.8	377.9	326,300							80
85	69.8	376.0	322,900	72.9	377.9	325,300				85
90	67.8	373.9	319,000	70.9	376.1	317,700				90
95	65.8	371.5	305,400	68.9	374.1	304,000				95
100	63.7	369.0	288,600	66.9	371.9	287,200				100
105	61.6	366.2	273,500	64.8	369.5	272,200	69.6	372.9	261,400	105
110	59.4	363.2	259,900	62.7	366.9	258,700	67.5	370.7	246,800	110
115	57.2	359.9	247,600	60.6	364.0	246,200	65.5	368.4	233,500	115
120	54.9	356.3	236,400	58.4	360.8	233,600	63.4	365.8	221,400	120
125	52.5	352.4	226,200	56.2	357.4	221,900	61.3	363.0	210,100	125
130	50.1	348.2	216,800	53.8	353.7	211,200	59.1	359.9	199,800	130
135	47.6	343.6	208,100	51.5	349.6	201,200	56.9	356.6	190,200	135
140	44.9	338.5	198,800	49.0	345.2	192,000	54.6	353.0	181,300	140
145	42.1	332.9	190,000	46.4	340.4	183,400	52.2	349.0	173,000	145
150	39.2	326.7	181,700	43.7	335.1	175,300	49.8	344.8	165,300	150
155	36.0	319.8	174,000	40.8	329.3	167,800	47.2	340.1	158,000	155
160	32.6	312.0	166,800	37.8	322.8	160,700	44.5	334.9	151,200	160
165	28.8	303.0	159,900	34.5	315.5	154,000	41.7	329.3	144,800	165
170	24.3	292.3	153,400	30.9	307.2	147,700	38.8	323.0	138,800	170
175	18.9	278.5	147,300	26.9	297.5	141,700	35.6	316.0	133,100	175
180	10.8	257.2	141,400	22.1	285.6	136,000	32.1	308.1	127,700	180
185				15.8	269.6	130,600	28.2	298.8	122,600	185
190							23.7	287.8	117,600	190
195							18.0	273.4	112,700	195
200							9.0	249.5	107,600	200
205										205
210										210
215										215
220										220
225										225
230										230
235										235
240										240
245										245
250										250
255										255

MLC650 S-3

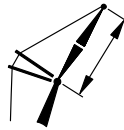
ASME B30.5



881,800 lb

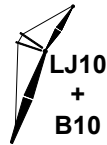


223.1 ft



154.2 ft

	75°			70°			65°			
	ft	ft	lb	ft	ft	lb	ft	lb	ft	
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115										115
120										120
125										125
130										130
135										135
140	63.0	360.8	162,000							140
145	60.8	357.9	154,200							145
150	58.6	354.8	147,000							150
155	56.4	351.4	140,200							155
160	54.1	347.7	133,800							160
165	51.7	343.7	127,900							165
170	49.2	339.3	122,200	58.0	347.7	104,400				170
175	46.7	334.6	116,900	55.7	344.2	99,700				175
180	44.0	329.3	111,900	53.4	340.4	95,200				180
185	41.2	323.6	107,100	51.0	336.3	90,900				185
190	38.1	317.2	102,600	48.5	331.8	86,900				190
195	34.9	310.0	98,200	45.9	326.9	83,100	54.8	335.0	67,800	195
200	31.3	301.8	94,100	43.2	321.6	79,400	52.4	331.0	64,500	200
205	27.3	292.3	90,100	40.3	315.6	75,900	50.0	326.8	61,500	205
210	22.6	280.7	86,200	37.2	309.0	72,500	47.4	322.1	58,500	210
215	16.6	265.3	82,300	33.9	301.6	69,300	44.8	317.0	55,700	215
220	4.9	234.1	78,100	30.2	293.0	66,200	42.0	311.4	53,000	220
225				26.0	283.0	63,100	39.0	305.2	50,400	225
230				21.1	270.6	60,100	35.9	298.3	47,900	230
235				14.3	253.2	57,100	32.4	290.4	45,400	235
240							28.5	281.3	43,100	240
245							24.1	270.5	40,700	245
250							18.6	256.5	38,400	250
255							10.1	234.3	35,800	255



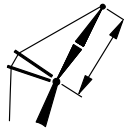
881,800 lb



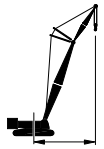
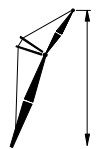
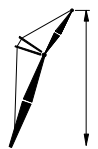
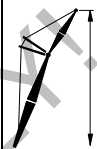
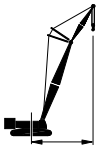
360°



223.1 ft

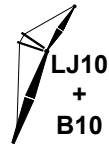


164.0 ft

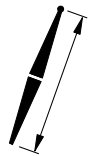
	 85°			 83°			 80°			
 ft	 ft	 ft	 lb	 ft	 ft	 lb	 ft	 ft	 lb	 ft
75	74.8	389.9	309,100							75
80	73.0	388.3	307,200							80
85	71.1	386.5	304,600							85
90	69.2	384.6	301,500	72.1	386.6	304,200				90
95	67.3	382.4	297,900	70.3	384.7	302,000				95
100	65.4	380.1	288,300	68.4	382.7	287,000				100
105	63.4	377.5	273,300	66.5	380.4	272,000				105
110	61.4	374.7	259,700	64.5	378.0	258,500	69.0	381.4	245,600	110
115	59.4	371.7	247,400	62.5	375.3	245,200	67.1	379.3	232,300	115
120	57.3	368.4	236,200	60.5	372.5	232,500	65.1	376.9	220,300	120
125	55.2	364.9	226,000	58.5	369.3	221,000	63.2	374.3	209,200	125
130	53.0	361.0	216,600	56.4	365.9	210,300	61.2	371.5	198,800	130
135	50.7	356.9	207,400	54.2	362.3	200,400	59.1	368.4	189,300	135
140	48.4	352.4	198,000	52.0	358.3	191,200	57.0	365.1	180,500	140
145	45.9	347.5	189,200	49.7	354.0	182,600	54.9	361.5	172,200	145
150	43.4	342.1	181,100	47.3	349.3	174,600	52.7	357.7	164,500	150
155	40.7	336.3	173,300	44.8	344.2	167,100	50.4	353.5	157,300	155
160	37.8	329.8	166,100	42.2	338.6	160,000	48.0	348.9	150,500	160
165	34.7	322.6	159,400	39.4	332.5	153,500	45.6	344.0	144,200	165
170	31.4	314.4	153,000	36.5	325.7	147,200	43.0	338.5	138,200	170
175	27.7	305.0	146,900	33.3	318.1	141,300	40.3	332.6	132,600	175
180	23.4	293.8	141,200	29.8	309.5	135,700	37.4	326.0	127,200	180
185	18.1	279.4	135,700	25.8	299.3	130,300	34.3	318.7	122,100	185
190	10.0	256.9	130,400	21.2	286.9	125,300	30.9	310.4	117,300	190
195				15.1	270.1	120,400	27.1	300.8	112,700	195
200							22.7	289.2	108,100	200
205							17.2	274.2	103,600	205
210							8.2	248.8	98,900	210
215										215
220										220
225										225
230										230
235										235
240										240
245										245
250										250
255										255
260										260
265										265

MLC650 S-3

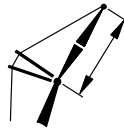
ASME B30.5



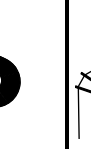
881,800 lb

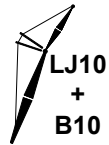


223.1 ft



164.0 ft

	75°			70°			65°			
										
	ft	ft	ft	lb	ft	lb	ft	lb	ft	ft
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115										115
120										120
125										125
130										130
135										135
140	64.7	371.9		161,000						140
145	62.8	369.2		153,300						145
150	60.8	366.4		146,100						150
155	58.7	363.3		139,300						155
160	56.6	359.9		133,000						160
165	54.4	356.3		127,100						165
170	52.2	352.3		121,500						170
175	49.9	348.1		116,200	58.1	356.2	98,700			175
180	47.5	343.4		111,200	56.0	352.7	94,300			180
185	45.1	338.4		106,500	53.8	349.0	90,100			185
190	42.5	332.9		102,000	51.5	345.0	86,100			190
195	39.7	326.8		97,700	49.2	340.6	82,200			195
200	36.8	320.1		93,600	46.8	335.9	78,600			200
205	33.6	312.6		89,700	44.3	330.7	75,200	52.9	339.7	60,500
210	30.2	304.1		85,900	41.7	325.0	71,800	50.6	335.5	57,600
215	26.3	294.1		82,300	38.9	318.8	68,700	48.2	331.0	54,800
220	21.7	282.1		78,800	35.9	311.9	65,600	45.8	326.0	52,200
225	15.8	265.9		75,200	32.7	304.1	62,700	43.2	320.7	49,600
230	3.4	230.6		71,200	29.1	295.2	59,800	40.5	314.8	47,100
235					25.0	284.7	57,100	37.7	308.3	44,800
240					20.2	271.7	54,300	34.6	301.0	42,500
245					13.6	253.5	51,500	31.2	292.8	40,200
250								27.5	283.3	38,000
255								23.2	272.0	35,900
260								17.8	257.4	33,700
265								9.4	233.9	31,300



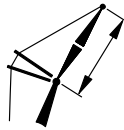
881,800 lb



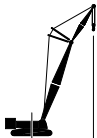
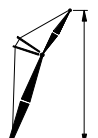
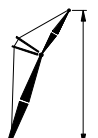
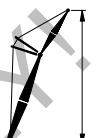
360°



223.1 ft

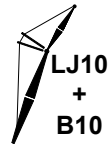


173.9 ft

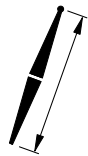
	 85°			 83°			 80°			
 ft		 ft	 lb		 ft	 lb		 ft	 lb	 ft
80	74.0	398.6	287,700							80
85	72.2	397.0	285,800							85
90	70.5	395.1	283,500							90
95	68.7	393.1	280,700	71.4	395.2	283,400				95
100	66.9	390.9	277,500	69.7	393.3	282,000				100
105	65.1	388.6	273,400	67.9	391.2	270,600				105
110	63.2	386.0	259,800	66.1	389.0	255,800				110
115	61.3	383.2	247,600	64.2	386.5	242,300	68.4	390.0	229,300	115
120	59.4	380.2	236,400	62.4	383.8	229,800	66.6	387.8	217,300	120
125	57.4	376.9	225,800	60.5	380.9	218,300	64.8	385.4	206,300	125
130	55.4	373.4	215,000	58.5	377.8	207,700	63.0	382.8	196,100	130
135	53.4	369.6	204,900	56.5	374.4	197,800	61.1	380.0	186,600	135
140	51.2	365.6	195,600	54.5	370.8	188,700	59.1	376.9	177,800	140
145	49.1	361.2	186,800	52.4	366.9	180,200	57.2	373.6	169,500	145
150	46.8	356.4	178,700	50.3	362.7	172,200	55.2	370.1	161,900	150
155	44.4	351.3	171,100	48.0	358.1	164,700	53.1	366.3	154,800	155
160	41.9	345.6	163,900	45.7	353.2	157,700	50.9	362.1	148,000	160
165	39.3	339.5	157,200	43.3	347.9	151,200	48.7	357.7	141,700	165
170	36.6	332.7	150,800	40.8	342.0	144,900	46.5	352.9	135,800	170
175	33.6	325.2	144,800	38.1	335.6	139,100	44.1	347.7	130,200	175
180	30.3	316.7	139,100	35.3	328.5	133,500	41.6	342.0	124,900	180
185	26.7	307.0	133,700	32.2	320.6	128,300	39.0	335.8	119,800	185
190	22.5	295.3	128,600	28.8	311.6	123,200	36.2	328.9	115,000	190
195	17.3	280.3	123,600	24.9	301.1	118,400	33.2	321.3	110,500	195
200	9.3	256.5	118,800	20.4	288.2	113,900	29.9	312.6	106,100	200
205				14.3	270.6	109,400	26.2	302.6	101,700	205
210							21.9	290.6	97,500	210
215							16.5	275.0	93,400	215
220							7.4	247.9	89,100	220
225										225
230										230
235										235
240										240
245										245
250										250
255										255
260										260
265										265
270										270
275										275

MLC650 S-3

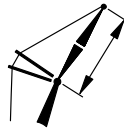
ASME B30.5



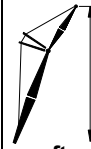
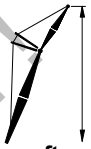
881,800 lb

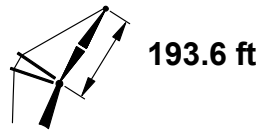
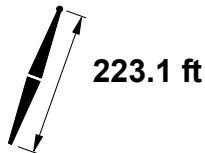
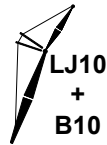


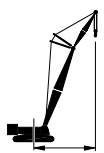
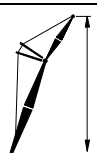
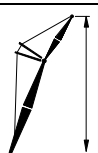
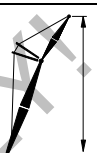
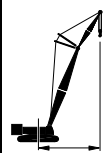
223.1 ft



173.9 ft

	75°			70°			65°			
										
	ft	ft	lb	ft	ft	lb	ft	lb	ft	ft
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115										115
120										120
125										125
130										130
135										135
140										140
145	64.4	380.4	150,200							145
150	62.6	377.7	143,100							150
155	60.7	374.9	136,400							155
160	58.7	371.8	130,100							160
165	56.8	368.4	124,200							165
170	54.7	364.8	118,600							170
175	52.7	361.0	113,400							175
180	50.5	356.8	108,400	58.2	364.7	91,100				180
185	48.3	352.3	103,700	56.2	361.3	87,000				185
190	46.0	347.4	99,300	54.1	357.6	83,000				190
195	43.6	342.1	95,000	52.0	353.6	79,200				195
200	41.1	336.3	91,000	49.9	349.4	75,700				200
205	38.4	330.0	87,100	47.6	344.7	72,200				205
210	35.6	323.0	83,500	45.3	339.7	69,000	53.3	348.3	54,400	210
215	32.5	315.1	79,900	42.9	334.3	65,800	51.1	344.2	51,700	215
220	29.2	306.3	76,500	40.3	328.4	62,900	48.9	339.8	49,100	220
225	25.4	295.9	73,200	37.6	321.8	60,000	46.7	335.0	46,500	225
230	20.9	283.3	70,000	34.7	314.6	57,200	44.3	329.8	44,100	230
235	15.1	266.5	66,700	31.6	306.5	54,500	41.8	324.2	41,800	235
240				28.1	297.2	51,900	39.2	318.0	39,600	240
245				24.1	286.3	49,400	36.4	311.2	37,400	245
250				19.4	272.8	46,800	33.4	303.6	35,300	250
255				12.9	253.7	44,200	30.2	295.1	33,200	255
260							26.5	285.2	31,200	260
265							22.3	273.4	29,200	265
270							17.0	258.2	27,200	270
275							8.6	233.3	25,000	275



	 85°			 83°			 80°			
 ft		 ft	 lb		 ft	 lb		 ft	 lb	 ft
85	74.1	417.7	252,700							85
90	72.5	416.1	251,400							90
95	71.0	414.3	249,800							95
100	69.4	412.4	247,800	71.8	414.4	248,900				100
105	67.8	410.3	245,600	70.3	412.5	248,100				105
110	66.2	408.0	242,900	68.7	410.5	247,000				110
115	64.5	405.6	240,000	67.1	408.3	237,900				115
120	62.8	402.9	233,300	65.4	406.0	225,700	69.2	409.2	213,000	120
125	61.1	400.1	221,800	63.8	403.5	214,400	67.6	407.1	202,100	125
130	59.4	397.1	211,200	62.1	400.8	203,900	65.9	404.8	192,000	130
135	57.7	393.9	201,300	60.4	397.9	194,100	64.3	402.4	182,700	135
140	55.9	390.5	192,000	58.6	394.8	185,100	62.6	399.7	174,000	140
145	54.0	386.8	183,500	56.9	391.5	176,700	60.9	396.9	165,900	145
150	52.1	382.8	175,400	55.0	387.9	168,800	59.2	393.9	158,300	150
155	50.2	378.6	167,800	53.2	384.1	161,400	57.4	390.6	151,200	155
160	48.2	374.1	160,800	51.3	380.0	154,500	55.6	387.1	144,600	160
165	46.1	369.2	154,100	49.3	375.7	148,000	53.8	383.4	138,300	165
170	44.0	364.0	147,800	47.3	371.0	141,800	51.9	379.4	132,500	170
175	41.8	358.4	141,800	45.2	366.0	136,000	49.9	375.2	126,900	175
180	39.4	352.3	136,200	43.0	360.6	130,600	47.9	370.6	121,600	180
185	37.0	345.6	131,000	40.7	354.8	125,300	45.9	365.7	116,700	185
190	34.4	338.3	125,900	38.3	348.4	120,400	43.7	360.4	111,900	190
195	31.5	330.2	121,100	35.8	341.5	115,700	41.5	354.7	107,500	195
200	28.4	321.0	116,500	33.1	333.8	111,300	39.1	348.6	103,200	200
205	25.0	310.5	112,100	30.2	325.3	107,000	36.6	341.8	99,100	205
210	21.0	297.9	107,800	26.9	315.6	102,900	34.0	334.4	95,000	210
215	16.0	281.7	103,800	23.3	304.2	99,000	31.1	326.2	91,100	215
220	8.0	255.2	99,800	18.9	290.3	95,200	28.0	316.8	87,400	220
225				13.1	271.2	91,500	24.5	306.1	83,800	225
230							20.4	293.1	80,300	230
235							15.1	276.2	76,800	235
240							5.9	245.3	73,100	240
245										245
250										250
255										255
260										260
265										265
270										270
275										275
280										280
285										285

MLC650 S-3

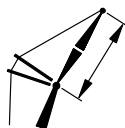
ASME B30.5



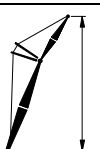
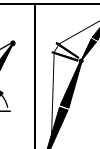
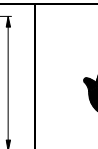
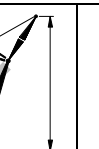
881,800 lb



223.1 ft



193.6 ft

	75°			70°			65°			
										
	ft	ft	lb	ft	lb	ft	lb	ft	lb	ft
85										85
90										90
95										95
100										100
105										105
110										110
115										115
120										120
125										125
130										130
135										135
140										140
145										145
150										150
155	63.9	397.4	132,300							155
160	62.3	394.7	126,100							160
165	60.6	391.8	120,300							165
170	58.8	388.7	114,800							170
175	57.0	385.4	109,600							175
180	55.2	381.9	104,700							180
185	53.4	378.1	100,100							185
190	51.5	374.1	95,700	58.3	381.6	78,900				190
195	49.5	369.8	91,500	56.5	378.3	75,200				195
200	47.5	365.2	87,500	54.7	374.7	71,700				200
205	45.4	360.2	83,800	52.8	370.8	68,300				205
210	43.3	354.8	80,100	50.9	366.7	65,100				210
215	41.0	349.0	76,700	48.9	362.3	62,000				215
220	38.6	342.8	73,400	46.9	357.6	59,100	53.9	365.4	44,800	220
225	36.1	335.9	70,200	44.8	352.5	56,300	52.0	361.4	42,400	225
230	33.4	328.3	67,200	42.6	347.0	53,600	50.1	357.2	40,100	230
235	30.5	319.9	64,200	40.3	341.1	51,000	48.1	352.7	37,800	235
240	27.3	310.3	61,400	37.9	334.7	48,600	46.0	347.8	35,600	240
245	23.7	299.2	58,600	35.3	327.6	46,100	43.9	342.6	33,500	245
250	19.4	285.6	55,800	32.6	319.8	43,800	41.7	336.9	31,500	250
255	13.8	267.4	53,100	29.6	311.1	41,600	39.3	330.8	29,600	255
260				26.3	301.1	39,300	36.8	324.1	27,700	260
265				22.5	289.4	37,200	34.2	316.7	25,800	265
270				18.0	274.8	35,000	31.4	308.6	24,100	270
275				11.6	253.9	32,800	28.3	299.4	22,300	275
280							24.8	288.7	20,600	280
285							20.8	276.0	18,900	285