

Liftcrane Jib Capacities

Jib No. 133 or No. 133A with 21 ft Strut on
Boom No. 58 HL

332,000 lb Crane Counterweight

120,000 lb Carbody Counterweight

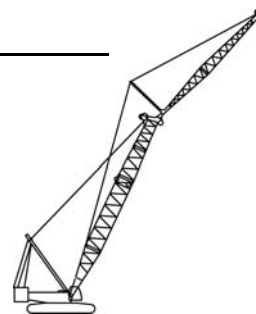
360 Degree Rating



LIFTING CAPACITIES: Chart supplements boom capacity chart No. 8659-A. Lifting capacities for various boom lengths, jib lengths, and jib operating radii are for freely suspended loads and do not exceed 75% of a static tipping load. Capacities based on structural competence are denoted by an asterisk (*).

Weight of all load blocks, hooks, weight ball, slings, hoist lines, etc., beneath boom and jib point sheaves is considered part of jib load. Boom and jib are not to be lowered beyond radii where combined weights are greater than rated capacity. Where no capacity is shown, operation is not intended or approved.

OPERATING CONDITIONS: Machine to operate in a level position on a firm uniformly supporting surface. Refer to boom rigging **No. A10415**, Jib Assembly **No. 81015738**, Wire Rope Specification chart **No. 8674-D**, Counterweight Arrangement chart **No. 8682-A** and Wind Conditions chart **No. 8688-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 Operator's Manual for operating guidelines.



16000 SERIES 3

MACHINE TRAVEL: Machine to travel on a firm, level, and uniformly supporting surface and boom within boom angle range shown in capacity chart. Refer to Maximum Allowable Travel Specification chart **No. 8683-A**.



OPERATING RADIUS: Operating radius is horizontal distance from axis of rotation to center of vertical hoist line or load block.



BOOM ANGLE: Boom angle in degrees (°) is angle between horizontal and centerline of boom butt and inserts, and is an indication of operating radius. In all cases, operating radius shall govern capacity.



JIB POINT ELEVATION: Jib point elevation is vertical distance from ground level to centerline of jib point shaft.

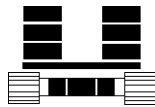
MACHINE EQUIPMENT: Machine equipped with 34 ft crawlers, 60 in. treads, 32 ft live mast, 26 part boom hoist reeving, boom support straps, 332,000 lb crane counterweight, two 30,000 lb and four 15,000 lb carbody counterweights.

Maximum Boom and Jib Lengths Lifted Unassisted			
Over End of Blocked Crawlers		Over Side of Crawlers	
Boom Length	Jib No. 133(A)	Boom Length	Jib No. 133(A)
(a)(b) 315.0 ft	—	275.6 ft	—
295.3 ft	—	255.9 ft	—
275.6 ft	—	236.2 ft	—
255.9 ft	—	216.5 ft	90.0 ft
236.2 ft	80.0 ft	196.9 ft	130.0 ft
216.5 ft	130.0 ft	177.2 ft	140.0 ft
196.9 ft	140.0 ft		
Load block, hook and weight ball on ground at start. (a) Upper boom point cannot be attached on 315.0 ft boom. (b) When equipped with boom catwalks, boom butt mounted auxiliary drum must be removed for 315.0 ft boom.			

Explanation of Symbols



Jib No. 133 or No. 133A
+
Boom No. 58 HL



Crane Counterweight
+
Carbody Counterweight



360 Degree Rating



Boom Length



Jib Length

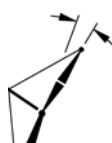
Explanation of Symbols (continued)



Boom Angle
(see page 1)



Operating Radius
(see page 1)



Jib Offset Angle

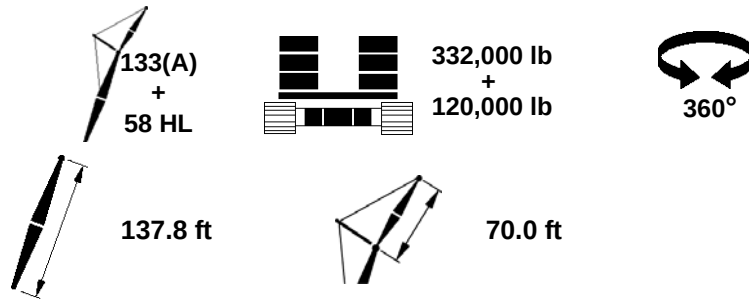


Jib Point Elevation
(see page 1)

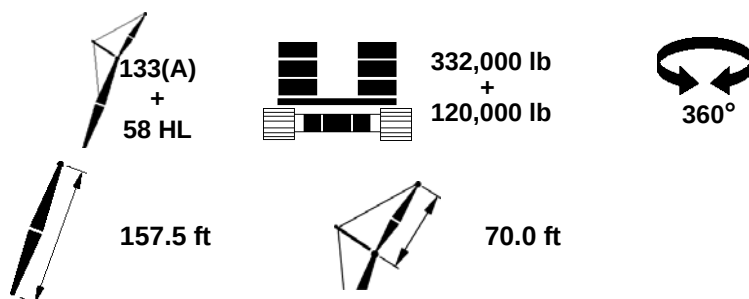


Lifting Capacities
(see page 1)

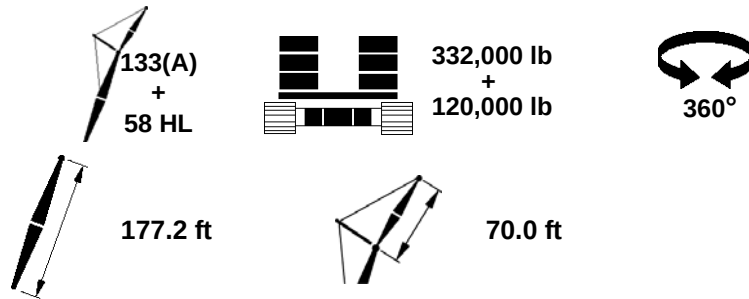
REFERENCE ONLY!



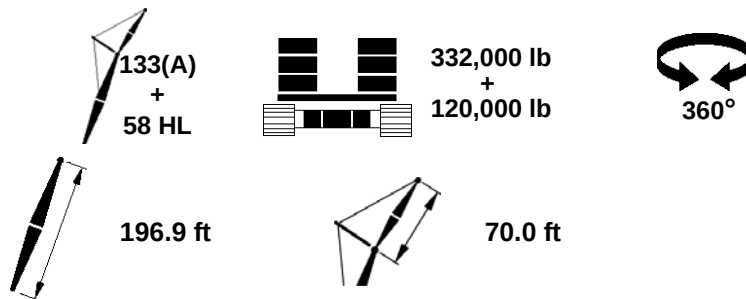
	8°			20°		
	ft	ft	lb	ft	ft	lb
50	81.5	216.0	205,700 *			
55	80.2	214.8	199,500 *			
60	78.8	213.6	193,600 *			
65	77.4	212.1	188,100 *	81.0	209.8	143,700 *
70	75.9	210.6	182,900 *	79.6	208.3	137,100 *
75	74.5	208.9	174,300	78.1	206.6	131,000 *
80	73.1	207.1	158,800	76.7	204.7	125,400 *
85	71.6	205.1	145,500	75.2	202.7	120,300 *
90	70.2	203.0	133,900	73.7	200.6	115,700 *
95	68.7	200.8	123,700	72.2	198.3	111,300 *
100	67.2	198.3	114,600	70.7	195.8	107,300 *
105	65.6	195.7	106,600	69.2	193.2	103,600 *
110	64.1	193.0	99,300	67.6	190.4	100,100 *
115	62.5	190.0	92,700	66.0	187.4	95,800
120	60.9	186.9	86,800	64.4	184.2	89,700
125	59.3	183.6	81,300	62.7	180.9	84,100
130	57.7	180.0	76,400	61.0	177.3	78,900
135	56.0	176.3	71,800	59.3	173.4	74,200
140	54.2	172.3	67,600	57.6	169.4	69,800
145	52.5	168.0	63,700	55.8	165.0	65,700
150	50.6	163.5	60,000	53.9	160.4	61,900
155	48.8	158.6	56,600	52.0	155.5	58,400
160	46.8	153.5	53,500	50.0	150.2	55,100
165	44.8	147.9	50,500	47.9	144.5	52,000
170	42.7	141.9	47,700	45.8	138.4	49,100
175	40.5	135.5	45,100	43.5	131.7	46,300
180	38.2	128.5	42,600	41.1	124.5	43,700
185	35.7	120.8	40,300			
190	33.0	112.4	38,000			
195	30.1	102.9	35,900			



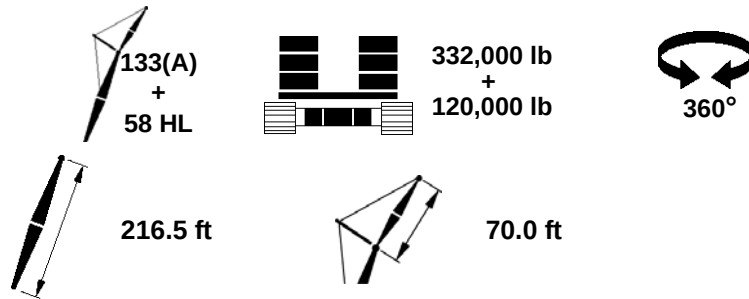
	8°			20°		
	ft	ft	lb	ft	ft	lb
55	81.2	234.9	200,500 *			
60	79.9	233.8	195,300 *			
65	78.6	232.5	190,200 *	81.9	230.0	148,100 *
70	77.3	231.1	185,500 *	80.6	228.5	141,700 *
75	76.0	229.6	173,200	79.3	227.0	135,900 *
80	74.7	227.9	157,700	78.0	225.3	130,500 *
85	73.4	226.1	144,300	76.7	223.5	125,500 *
90	72.1	224.2	132,600	75.3	221.6	120,900 *
95	70.8	222.2	122,300	74.0	219.5	116,700 *
100	69.4	220.0	113,200	72.6	217.3	112,700 *
105	68.0	217.7	105,100	71.2	215.0	109,000 *
110	66.7	215.2	97,800	69.8	212.5	101,500
115	65.3	212.6	91,200	68.4	209.8	94,600
120	63.8	209.8	85,200	67.0	207.0	88,400
125	62.4	206.9	79,800	65.5	204.0	82,800
130	61.0	203.8	74,800	64.1	200.9	77,600
135	59.5	200.5	70,200	62.6	197.5	72,800
140	58.0	197.0	65,900	61.0	194.0	68,400
145	56.4	193.3	62,000	59.5	190.2	64,300
150	54.9	189.4	58,300	57.9	186.3	60,500
155	53.3	185.3	54,900	56.2	182.0	57,000
160	51.6	180.9	51,800	54.6	177.6	53,700
165	49.9	176.2	48,800	52.8	172.9	50,600
170	48.2	171.3	46,000	51.1	167.8	47,700
175	46.4	166.1	43,400	49.2	162.5	44,900
180	44.5	160.5	40,900	47.3	156.8	42,400
185	42.6	154.5	38,600	45.4	150.6	39,900
190	40.6	148.1	36,400	43.3	144.0	37,600
195	38.5	141.2	34,300	41.1	136.9	35,400
200	36.3	133.8	32,300			
205	33.9	125.6	30,300			
210	31.4	116.6	28,500			
215	28.6	106.5	26,800			



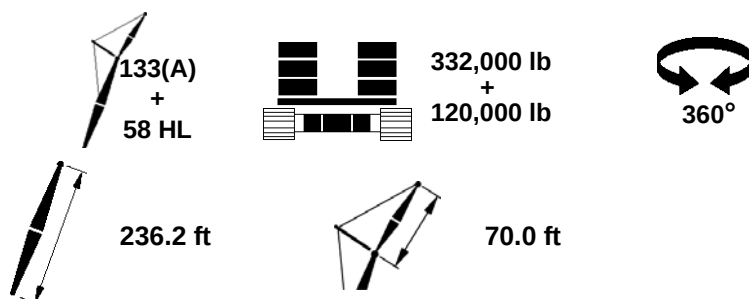
	8°			20°		
ft	o	ft	lb	o	ft	lb
55	81.7	255.1	201,500 *			
60	80.6	254.0	196,700 *			
65	79.4	252.8	192,200 *			
70	78.2	251.6	187,800 *	81.3	249.0	145,100 *
75	77.0	250.2	171,800	80.1	247.6	139,400 *
80	75.8	248.7	156,300	78.9	246.1	134,100 *
85	74.6	247.0	142,900	77.7	244.4	129,200 *
90	73.4	245.3	131,200	76.4	242.7	124,600 *
95	72.2	243.4	120,900	75.2	240.8	120,400 *
100	71.0	241.5	111,800	74.0	238.8	116,300
105	69.8	239.4	103,600	72.7	236.7	107,900
110	68.5	237.1	96,300	71.5	234.4	100,300
115	67.2	234.8	89,700	70.2	232.0	93,400
120	66.0	232.3	83,700	68.9	229.5	87,200
125	64.7	229.6	78,300	67.6	226.8	81,600
130	63.4	226.8	73,300	66.3	224.0	76,400
135	62.0	223.9	68,700	64.9	221.0	71,600
140	60.7	220.8	64,500	63.6	217.9	67,200
145	59.3	217.5	60,500	62.2	214.5	63,100
150	58.0	214.1	56,900	60.8	211.0	59,300
155	56.6	210.4	53,500	59.4	207.4	55,800
160	55.1	206.6	50,300	57.9	203.5	52,500
165	53.7	202.6	47,400	56.4	199.4	49,400
170	52.2	198.4	44,600	54.9	195.1	46,500
175	50.6	193.9	42,000	53.3	190.5	43,800
180	49.1	189.2	39,500	51.7	185.7	41,200
185	47.5	184.2	37,200	50.1	180.6	38,800
190	45.8	178.9	35,000	48.4	175.2	36,500
195	44.1	173.3	32,900	46.6	169.5	34,300
200	42.3	167.3	30,900	44.8	163.4	32,200
205	40.5	161.0	29,000	42.9	156.9	30,200
210	38.5	154.2	27,200	41.0	149.9	28,300
215	36.5	146.9	25,500			
220	34.4	138.9	23,900			
225	32.1	130.3	22,300			
230	29.7	120.8	20,800			



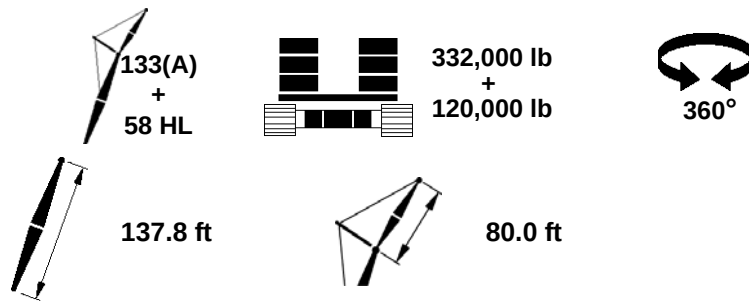
	8°			20°		
	ft	ft	lb	ft	ft	lb
60	81.3	274.1	191,800 *			
65	80.2	273.0	192,000 *			
70	79.1	271.9	188,100 *			
75	78.0	270.6	170,500	81.9	269.2	148,500 *
80	76.9	269.2	154,900	80.8	267.9	142,900 *
85	75.8	267.7	141,400	79.7	266.5	137,700 *
90	74.7	266.1	129,700	78.6	265.0	133,000 *
95	73.6	264.4	119,400	77.5	263.4	128,500 *
100	72.4	262.6	110,200	76.4	261.7	124,300 *
105	71.3	260.6	102,100	75.2	259.8	115,100
110	70.2	258.6	94,700	74.1	257.9	106,600
115	69.0	256.4	88,100	72.9	255.8	99,000
120	67.9	254.1	82,100	71.8	253.6	92,100
125	66.7	251.7	76,600	70.6	251.3	85,900
130	65.5	249.2	71,600	69.4	248.9	80,200
135	64.3	246.5	67,000	68.2	246.3	75,000
140	63.1	243.7	62,700	67.0	243.6	70,200
145	61.9	240.8	58,800	65.8	240.8	65,800
150	60.6	237.7	55,100	64.5	237.8	61,700
155	59.4	234.5	51,700	63.3	234.7	57,900
160	58.1	231.1	48,600	62.0	231.4	54,300
165	56.8	227.5	45,600	60.7	228.0	51,000
170	55.5	223.7	42,800	59.4	224.3	47,900
175	54.1	219.8	40,200	58.0	220.5	45,000
180	52.7	215.7	37,700	56.7	216.5	42,300
185	51.3	211.3	35,400	55.3	212.3	39,700
190	49.9	206.8	33,200	53.8	207.9	37,300
195	48.4	202.0	31,100	52.4	203.3	35,000
200	46.9	196.9	29,200	50.9	198.4	32,800
205	45.4	191.6	27,300	49.4	193.3	30,700
210	43.8	186.0	25,500	47.8	187.8	28,700
215	42.2	180.0	23,800	46.2	182.1	26,800
220	40.5	173.7	22,200	44.5	176.0	25,000
225	38.7	167.0	20,600	42.7	169.5	23,300
230	36.8	159.8	19,100	40.9	162.6	21,700
235	34.9	152.1	17,700			
240	32.8	143.7	16,300			
245	30.6	134.6	15,000			
250	28.3	124.6	13,700			



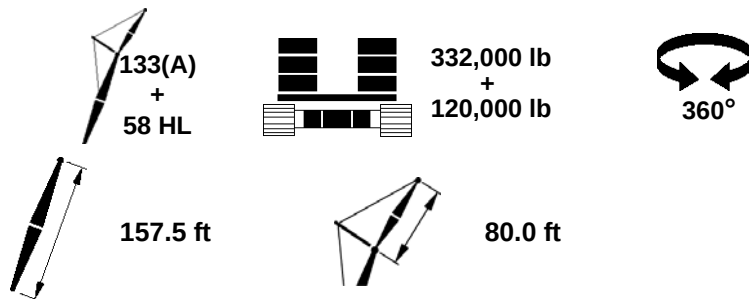
	8°			20°		
ft	o	ft	lb	o	ft	lb
60	81.9	294.2	177,100 *			
65	80.9	293.2	177,200 *			
70	79.8	292.1	173,800 *			
75	78.8	290.9	169,200 *	81.5	288.2	143,500 *
80	77.8	289.6	153,700	80.4	286.9	140,400 *
85	76.8	288.2	140,200	79.4	285.5	136,400 *
90	75.8	286.7	128,500	78.4	284.0	132,000 *
95	74.7	285.1	118,100	77.3	282.4	123,600
100	73.7	283.5	108,900	76.3	280.7	114,100
105	72.6	281.7	100,800	75.2	278.9	105,600
110	71.6	279.8	93,400	74.2	277.0	98,000
115	70.5	277.8	86,800	73.1	275.0	91,100
120	69.5	275.7	80,700	72.0	272.9	84,800
125	68.4	273.5	75,200	70.9	270.6	79,100
130	67.3	271.2	70,200	69.8	268.3	73,800
135	66.2	268.7	65,600	68.7	265.8	69,000
140	65.1	266.2	61,300	67.6	263.2	64,600
145	64.0	263.5	57,400	66.5	260.5	60,500
150	62.8	260.7	53,700	65.3	257.6	56,700
155	61.7	257.7	50,300	64.2	254.7	53,100
160	60.5	254.6	47,100	63.0	251.5	49,800
165	59.4	251.4	44,200	61.8	248.3	46,700
170	58.2	248.0	41,400	60.6	244.9	43,800
175	57.0	244.5	38,800	59.4	241.3	41,000
180	55.7	240.8	36,300	58.1	237.5	38,500
185	54.5	237.0	34,000	56.9	233.6	36,000
190	53.2	232.9	31,800	55.6	229.5	33,700
195	51.9	228.7	29,700	54.3	225.3	31,500
200	50.6	224.3	27,700	52.9	220.8	29,500
205	49.3	219.7	25,800	51.6	216.0	27,500
210	47.9	214.8	24,100	50.2	211.1	25,600
215	46.5	209.7	22,400	48.7	205.9	23,800
220	45.1	204.4	20,700	47.3	200.4	22,100
225	43.6	198.7	19,200	45.7	194.7	20,500
230	42.0	192.8	17,700	44.2	188.6	18,900
235	40.5	186.5	16,300	42.6	182.2	17,400
240	38.8	179.8	14,900	40.9	175.3	16,000
245	37.1	172.7	13,600			
250	35.3	165.1	12,400			
255	33.4	157.0	11,100			
260	31.4	148.2	10,000			
265	29.3	138.7	8,800			



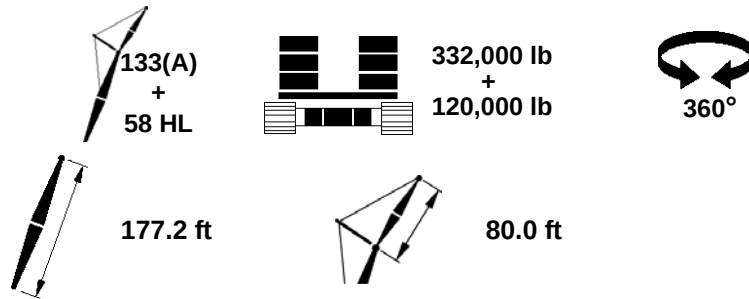
	8°			20°		
	ft	ft	lb	ft	ft	lb
65	81.4	313.2	164,400 *			
70	80.5	312.2	164,300 *			
75	79.6	311.1	160,900 *			
80	78.6	309.9	152,400	81.1	307.1	132,200 *
85	77.6	308.6	138,900	80.1	305.8	129,600 *
90	76.7	307.2	127,000	79.1	304.4	127,200 *
95	75.7	305.7	116,600	78.2	302.9	122,600
100	74.8	304.2	107,400	77.2	301.4	113,000
105	73.8	302.5	99,200	76.2	299.7	104,400
110	72.8	300.8	91,800	75.2	297.9	96,700
115	71.8	298.9	85,200	74.2	296.1	89,800
120	70.8	297.0	79,100	73.2	294.1	83,500
125	69.8	294.9	73,600	72.2	292.0	77,700
130	68.8	292.8	68,600	71.2	289.9	72,500
135	67.8	290.5	63,900	70.2	287.6	67,600
140	66.8	288.2	59,600	69.2	285.2	63,200
145	65.8	285.7	55,700	68.1	282.7	59,000
150	64.7	283.1	52,000	67.1	280.1	55,200
155	63.7	280.4	48,600	66.0	277.4	51,600
160	62.6	277.6	45,400	64.9	274.5	48,300
165	61.5	274.7	42,400	63.8	271.5	45,200
170	60.5	271.6	39,600	62.8	268.4	42,200
175	59.4	268.4	37,000	61.6	265.2	39,500
180	58.3	265.0	34,500	60.5	261.8	36,900
185	57.1	261.5	32,200	59.4	258.2	34,500
190	56.0	257.9	30,000	58.2	254.6	32,200
195	54.8	254.1	27,900	57.0	250.7	30,000
200	53.7	250.2	25,900	55.9	246.7	27,900
205	52.5	246.0	24,100	54.6	242.5	25,900
210	51.2	241.7	22,300	53.4	238.1	24,000
215	50.0	237.2	20,600	52.1	233.6	22,300
220	48.7	232.5	19,000	50.8	228.8	20,500
225	47.4	227.6	17,400	49.5	223.8	18,900
230	46.1	222.5	15,900	48.2	218.6	17,400
235	44.8	217.1	14,500	46.8	213.1	15,900
240	43.4	211.4	13,200	45.4	207.3	14,400
245	41.9	205.5	11,900	43.9	201.2	13,000
250	40.4	199.2	10,600	42.4	194.8	11,700
255	38.9	192.6	9,400	40.8	188.0	10,400
260	37.3	185.6	8,200			
265	35.7	178.2	7,100			



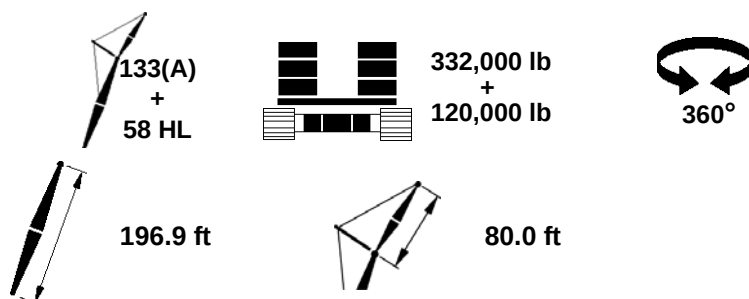
	8°			20°		
ft	o	ft	lb	o	ft	lb
55	81.3	224.9	176,800 *			
60	80.0	223.7	171,600 *			
65	78.7	222.4	166,700 *			
70	77.3	220.9	162,000 *	81.3	218.2	123,900 *
75	76.0	219.3	157,600 *	79.9	216.6	118,400 *
80	74.6	217.6	153,400 *	78.5	214.8	113,500 *
85	73.2	215.7	146,900	77.1	212.9	108,900 *
90	71.8	213.7	135,200	75.7	210.9	104,700 *
95	70.4	211.6	124,900	74.3	208.7	100,700 *
100	69.0	209.3	115,800	72.9	206.4	97,100 *
105	67.6	206.8	107,700	71.4	203.9	93,700 *
110	66.1	204.2	100,400	69.9	201.3	90,600 *
115	64.6	201.5	93,800	68.4	198.4	87,600 *
120	63.1	198.5	87,800	66.9	195.5	84,900 *
125	61.6	195.4	82,400	65.4	192.3	82,300 *
130	60.1	192.1	77,300	63.8	188.9	79,900 *
135	58.5	188.6	72,700	62.2	185.3	75,500
140	56.9	184.8	68,500	60.5	181.5	71,000
145	55.2	180.9	64,600	58.9	177.5	66,900
150	53.6	176.7	60,900	57.1	173.2	63,100
155	51.8	172.3	57,500	55.4	168.7	59,600
160	50.0	167.5	54,300	53.6	163.9	56,300
165	48.2	162.5	51,300	51.7	158.7	53,200
170	46.3	157.1	48,500	49.7	153.2	50,200
175	44.3	151.3	45,900	47.7	147.2	47,500
180	42.3	145.2	43,400	45.6	140.9	44,800
185	40.1	138.5	41,100	43.4	134.0	42,400
190	37.9	131.3	38,800	41.0	126.5	40,000
195	35.5	123.3	36,700			
200	32.9	114.6	34,700			
205	30.0	104.8	32,800			



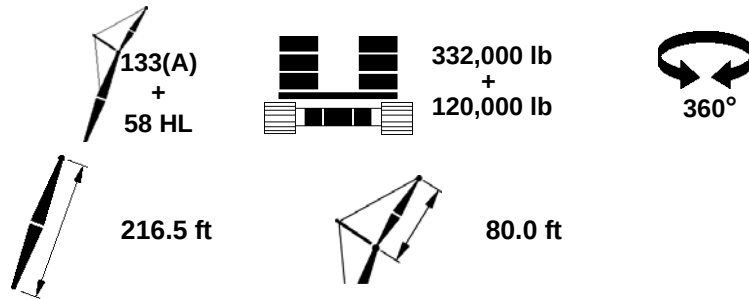
	8°			20°		
	ft	ft	lb	ft	ft	lb
60	81.0	243.9	172,700 *			
65	79.8	242.6	168,300 *			
70	78.6	241.3	164,000 *			
75	77.3	239.8	159,900 *			
80	76.1	238.3	156,100 *	80.9	236.8	122,300 *
				79.7	235.3	117,500 *
85	74.8	236.6	145,800	78.4	233.5	113,100 *
90	73.6	234.7	134,000	77.1	231.7	108,900 *
95	72.3	232.8	123,700	75.8	229.7	105,100 *
100	71.0	230.7	114,500	74.5	227.6	101,600 *
105	69.7	228.5	106,300	73.2	225.4	98,200 *
110	68.4	226.2	99,000	71.9	223.0	95,100 *
115	67.1	223.7	92,300	70.6	220.5	92,200 *
120	65.7	221.1	86,300	69.2	217.8	89,500 *
125	64.4	218.3	80,800	67.8	215.0	84,200
130	63.0	215.3	75,800	66.4	212.0	79,000
135	61.6	212.2	71,200	65.0	208.8	74,200
140	60.2	208.9	66,900	63.5	205.5	69,700
145	58.7	205.5	62,900	62.1	202.0	65,600
150	57.3	201.8	59,300	60.6	198.2	61,800
155	55.8	198.0	55,800	59.1	194.3	58,200
160	54.2	193.9	52,600	57.5	190.1	54,900
165	52.7	189.6	49,700	55.9	185.7	51,800
170	51.1	185.0	46,900	54.3	181.1	48,800
175	49.4	180.2	44,200	52.6	176.2	46,100
180	47.7	175.1	41,700	50.8	170.9	43,500
185	46.0	169.7	39,400	49.0	165.4	41,000
190	44.2	163.9	37,200	47.2	159.4	38,600
195	42.3	157.7	35,000	45.2	153.1	36,400
200	40.3	151.1	33,000	43.2	146.2	34,300
205	38.2	144.0	31,100			
210	36.1	136.3	29,300			
215	33.7	127.9	27,600			
220	31.2	118.6	25,900			



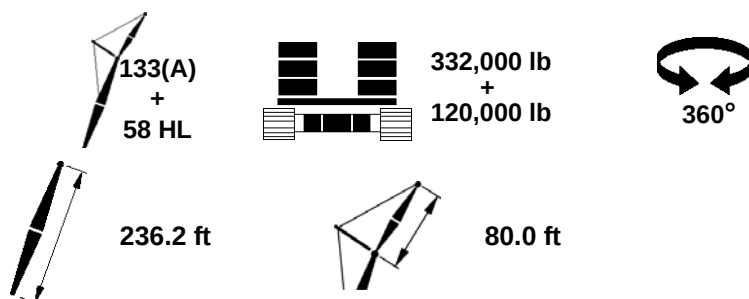
	8°			20°		
ft	o	ft	lb	o	ft	lb
60	81.5	264.1	173,800 *			
65	80.4	262.9	169,800 *			
70	79.3	261.7	165,900 *			
75	78.2	260.4	162,100 *			
80	77.0	258.9	157,800	81.5	257.4	124,800 *
				80.4	255.9	120,100 *
85	75.9	257.4	144,300	79.2	254.3	115,800 *
90	74.7	255.7	132,600	78.0	252.6	111,700 *
95	73.5	253.9	122,200	76.9	250.8	108,000 *
100	72.4	252.0	113,000	75.7	248.9	104,400 *
105	71.2	250.0	104,800	74.5	246.9	101,200 *
110	70.0	247.9	97,500	73.3	244.7	98,100 *
115	68.8	245.6	90,800	72.0	242.4	95,000
120	67.6	243.2	84,800	70.8	240.0	88,800
125	66.4	240.7	79,300	69.6	237.5	83,000
130	65.1	238.1	74,300	68.3	234.8	77,800
135	63.9	235.3	69,700	67.0	231.9	73,000
140	62.6	232.3	65,400	65.7	228.9	68,500
145	61.3	229.2	61,400	64.4	225.8	64,400
150	60.0	226.0	57,800	63.1	222.5	60,600
155	58.7	222.5	54,400	61.7	219.0	57,000
160	57.3	218.9	51,200	60.4	215.3	53,700
165	55.9	215.2	48,200	59.0	211.5	50,600
170	54.5	211.2	45,400	57.5	207.4	47,600
175	53.1	207.0	42,800	56.1	203.2	44,900
180	51.6	202.6	40,300	54.6	198.7	42,300
185	50.1	198.0	37,900	53.1	194.0	39,800
190	48.6	193.1	35,700	51.5	189.0	37,500
195	47.0	187.9	33,600	49.9	183.7	35,300
200	45.4	182.5	31,600	48.2	178.1	33,200
205	43.7	176.7	29,700	46.5	172.2	31,200
210	42.0	170.6	27,900	44.7	165.8	29,300
215	40.2	164.0	26,200	42.8	159.1	27,500
220	38.3	157.0	24,600	40.9	151.9	25,700
225	36.3	149.5	23,000			
230	34.2	141.3	21,500			
235	32.0	132.5	20,000			
240	29.6	122.7	18,600			



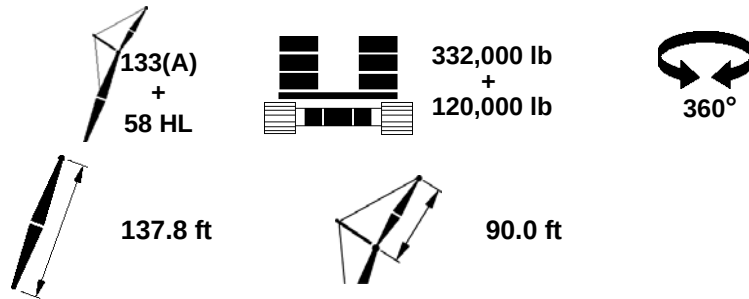
	8°			20°		
	ft	ft	lb	ft	ft	lb
65	81.1	283.1	169,500 *			
70	80.1	281.9	166,100 *			
75	79.0	280.7	162,700 *			
80	78.0	279.4	156,500	81.1	276.3	122,900 *
85	76.9	277.9	143,000	80.0	274.8	118,700 *
90	75.8	276.4	131,200	78.9	273.2	114,800 *
95	74.8	274.8	120,800	77.8	271.6	111,100 *
100	73.7	273.0	111,500	76.7	269.8	107,600 *
105	72.6	271.2	103,300	75.6	267.9	104,400 *
110	71.5	269.2	95,900	74.5	266.0	100,800
115	70.4	267.1	89,300	73.4	263.9	93,800
120	69.3	264.9	83,200	72.3	261.6	87,500
125	68.1	262.6	77,700	71.1	259.3	81,700
130	67.0	260.2	72,600	70.0	256.9	76,500
135	65.9	257.7	68,000	68.8	254.3	71,600
140	64.7	255.0	63,700	67.7	251.6	67,100
145	63.5	252.2	59,700	66.5	248.7	63,000
150	62.4	249.2	56,100	65.3	245.7	59,100
155	61.2	246.1	52,600	64.1	242.6	55,600
160	59.9	242.9	49,400	62.8	239.3	52,200
165	58.7	239.5	46,400	61.6	235.9	49,100
170	57.5	236.0	43,600	60.3	232.3	46,100
175	56.2	232.3	41,000	59.0	228.5	43,400
180	54.9	228.4	38,500	57.7	224.5	40,800
185	53.6	224.3	36,200	56.3	220.4	38,300
190	52.2	220.0	34,000	55.0	216.0	36,000
195	50.9	215.5	31,900	53.6	211.4	33,800
200	49.5	210.8	29,900	52.2	206.6	31,700
205	48.0	205.9	28,000	50.7	201.6	29,700
210	46.6	200.7	26,200	49.2	196.2	27,800
215	45.0	195.2	24,500	47.6	190.6	26,000
220	43.5	189.4	22,800	46.0	184.7	24,200
225	41.9	183.3	21,300	44.4	178.4	22,600
230	40.2	176.8	19,800	42.6	171.7	21,000
235	38.5	169.8	18,300	40.8	164.6	19,400
240	36.6	162.5	17,000			
245	34.7	154.5	15,600			
250	32.7	146.0	14,300			
255	30.5	136.6	13,100			



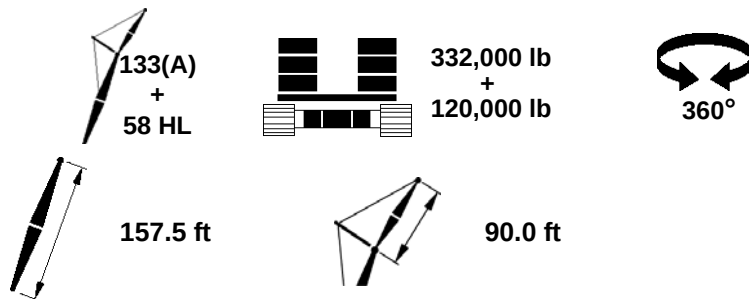
	8°			20°		
ft	o	ft	lb	o	ft	lb
65	81.7	303.2	164,600 *			
70	80.7	302.1	160,100 *			
75	79.7	301.0	155,900 *			
80	78.8	299.7	151,900 *	81.7	296.5	125,500 *
85	77.8	298.4	141,800	80.7	295.2	121,400 *
90	76.8	296.9	130,000	79.7	293.7	117,500 *
95	75.8	295.4	119,500	78.7	292.2	113,900 *
100	74.8	293.8	110,300	77.7	290.5	110,500 *
105	73.8	292.1	102,000	76.6	288.8	107,300 *
110	72.8	290.3	94,600	75.6	287.0	99,800
115	71.7	288.4	87,900	74.6	285.0	92,800
120	70.7	286.3	81,900	73.5	283.0	86,400
125	69.7	284.2	76,300	72.5	280.8	80,600
130	68.6	282.0	71,300	71.4	278.6	75,300
135	67.6	279.6	66,600	70.4	276.2	70,500
140	66.5	277.2	62,300	69.3	273.7	66,000
145	65.4	274.6	58,300	68.2	271.1	61,800
150	64.4	271.9	54,600	67.1	268.4	58,000
155	63.3	269.1	51,200	66.0	265.5	54,400
160	62.2	266.1	48,000	64.9	262.5	51,000
165	61.0	263.1	45,000	63.7	259.4	47,900
170	59.9	259.9	42,200	62.6	256.1	44,900
175	58.8	256.5	39,600	61.4	252.7	42,200
180	57.6	253.0	37,100	60.2	249.2	39,500
185	56.4	249.3	34,700	59.0	245.5	37,100
190	55.2	245.5	32,500	57.8	241.6	34,800
195	54.0	241.5	30,400	56.6	237.5	32,500
200	52.8	237.3	28,400	55.3	233.3	30,400
205	51.5	233.0	26,500	54.0	228.8	28,500
210	50.2	228.4	24,700	52.7	224.2	26,600
215	48.9	223.6	23,000	51.4	219.3	24,800
220	47.5	218.6	21,400	50.0	214.2	23,000
225	46.1	213.4	19,800	48.6	208.8	21,400
230	44.7	207.9	18,300	47.1	203.2	19,800
235	43.3	202.1	16,900	45.6	197.2	18,300
240	41.8	196.0	15,500	44.1	191.0	16,800
245	40.2	189.5	14,200	42.5	184.3	15,400
250	38.6	182.7	13,000	40.8	177.3	14,100
255	36.9	175.4	11,700			
260	35.1	167.6	10,600			
265	33.3	159.3	9,400			
270	31.3	150.3	8,300			
275	29.2	140.6	7,300			



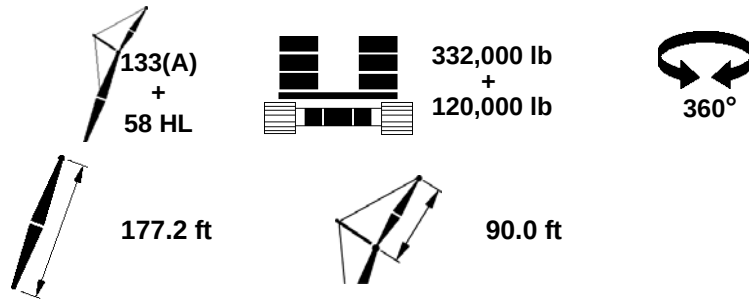
	8°			20°		
	ft	ft	lb	ft	ft	lb
70	81.3	322.2	151,500 *			
75	80.4	321.1	147,700 *			
80	79.5	320.0	144,100 *			
85	78.6	318.7	140,500	81.3	315.4	118,100 *
90	77.6	317.4	128,600	80.3	314.1	115,900 *
95	76.7	316.0	118,100	79.4	312.7	113,700 *
100	75.8	314.5	108,800	78.5	311.1	111,700 *
105	74.8	312.9	100,500	77.5	309.5	106,400
110	73.9	311.2	93,100	76.6	307.8	98,600
115	72.9	309.4	86,400	75.6	306.0	91,600
120	72.0	307.5	80,300	74.6	304.1	85,200
125	71.0	305.5	74,700	73.7	302.1	79,400
130	70.0	303.5	69,600	72.7	300.0	74,000
135	69.1	301.3	65,000	71.7	297.8	69,100
140	68.1	299.0	60,600	70.7	295.5	64,600
145	67.1	296.6	56,700	69.7	293.1	60,400
150	66.1	294.1	52,900	68.7	290.6	56,500
155	65.1	291.6	49,500	67.7	288.0	52,900
160	64.1	288.8	46,300	66.6	285.2	49,600
165	63.0	286.0	43,300	65.6	282.3	46,400
170	62.0	283.1	40,500	64.5	279.4	43,400
175	60.9	280.0	37,800	63.5	276.2	40,700
180	59.9	276.8	35,300	62.4	273.0	38,000
185	58.8	273.5	33,000	61.3	269.6	35,600
190	57.7	270.0	30,700	60.2	266.1	33,200
195	56.6	266.4	28,600	59.1	262.4	31,000
200	55.5	262.6	26,700	57.9	258.6	28,900
205	54.4	258.7	24,800	56.8	254.6	26,900
210	53.2	254.6	23,000	55.6	250.5	25,000
215	52.0	250.4	21,200	54.4	246.1	23,200
220	50.8	245.9	19,600	53.2	241.6	21,500
225	49.6	241.3	18,100	51.9	236.9	19,800
230	48.4	236.5	16,600	50.7	232.0	18,200
235	47.1	231.4	15,100	49.4	226.8	16,700
240	45.8	226.1	13,800	48.0	221.4	15,300
245	44.5	220.6	12,500	46.7	215.8	13,900
250	43.1	214.8	11,200	45.3	209.8	12,500
255	41.7	208.7	10,000	43.8	203.6	11,200
260	40.2	202.3	8,800	42.3	197.0	10,000
265	38.7	195.5	7,700	40.8	190.0	8,800



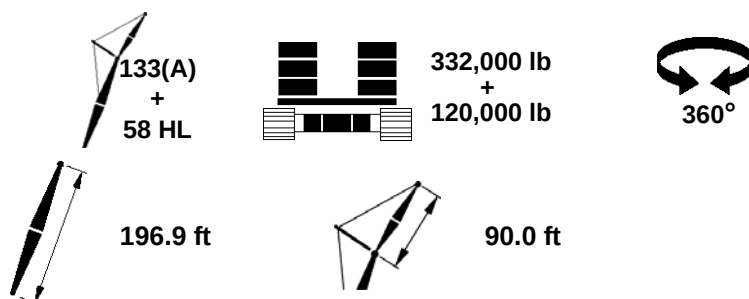
	8°			20°		
ft	o	ft	lb	o	ft	lb
60	81.2	233.9	154,500 *			
65	79.9	232.6	150,100 *			
70	78.6	231.2	145,800 *			
75	77.3	229.7	141,800 *	81.6	226.5	108,600 *
80	76.0	228.0	138,000 *	80.3	224.9	104,000 *
85	74.7	226.2	134,300 *	78.9	223.1	99,800 *
90	73.4	224.3	130,900 *	77.6	221.1	96,000 *
95	72.1	222.3	126,300	76.2	219.1	92,400 *
100	70.7	220.1	117,100	74.9	216.9	89,000 *
105	69.3	217.8	108,900	73.5	214.5	85,900 *
110	68.0	215.3	101,600	72.1	212.0	83,000 *
115	66.6	212.7	95,000	70.7	209.3	80,300 *
120	65.2	209.9	88,900	69.2	206.5	77,800 *
125	63.7	207.0	83,500	67.8	203.5	75,400 *
130	62.3	203.9	78,400	66.3	200.3	73,100 *
135	60.8	200.6	73,800	64.8	197.0	71,000 *
140	59.3	197.1	69,500	63.2	193.4	69,000 *
145	57.7	193.4	65,600	61.7	189.7	67,200 *
150	56.2	189.5	61,900	60.1	185.7	64,400
155	54.6	185.4	58,500	58.4	181.5	60,900
160	52.9	181.0	55,300	56.8	177.0	57,500
165	51.2	176.4	52,300	55.0	172.2	54,400
170	49.5	171.5	49,500	53.2	167.2	51,400
175	47.7	166.2	46,900	51.4	161.8	48,700
180	45.9	160.6	44,400	49.5	156.1	46,100
185	43.9	154.7	42,000	47.5	149.9	43,600
190	41.9	148.3	39,800	45.4	143.3	41,200
195	39.8	141.4	37,700	43.2	136.1	39,000
200	37.6	133.9	35,600			
205	35.2	125.8	33,700			
210	32.7	116.8	31,900			
215	29.9	106.7	30,100			



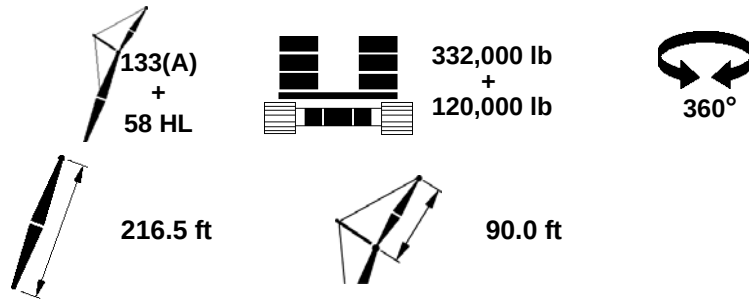
	8°			20°		
	ft	ft	lb	ft	ft	lb
65	80.9	252.7	151,100 *			
70	79.7	251.5	147,300 *			
75	78.5	250.1	143,600 *			
80	77.3	248.6	140,100 *	81.2	245.2	107,300 *
85	76.1	246.9	136,700 *	80.0	243.5	103,300 *
90	74.9	245.2	133,500 *	78.8	241.7	99,500 *
95	73.7	243.3	125,100	77.6	239.9	96,000 *
100	72.5	241.4	115,900	76.3	237.8	92,800 *
105	71.2	239.3	107,600	75.1	235.7	89,700 *
110	70.0	237.0	100,200	73.8	233.4	86,900 *
115	68.7	234.7	93,600	72.5	231.0	84,200 *
120	67.5	232.2	87,500	71.2	228.5	81,700 *
125	66.2	229.5	82,000	69.9	225.8	79,300 *
130	64.9	226.7	76,900	68.6	223.0	77,100 *
135	63.5	223.8	72,300	67.2	220.0	74,900 *
140	62.2	220.7	68,000	65.9	216.8	71,200
145	60.8	217.4	64,000	64.5	213.5	67,000
150	59.5	214.0	60,300	63.1	210.0	63,100
155	58.0	210.3	56,900	61.6	206.3	59,500
160	56.6	206.5	53,600	60.2	202.4	56,200
165	55.1	202.5	50,600	58.7	198.2	53,000
170	53.7	198.2	47,800	57.1	193.9	50,100
175	52.1	193.8	45,200	55.6	189.3	47,300
180	50.6	189.0	42,700	54.0	184.5	44,700
185	48.9	184.1	40,300	52.3	179.4	42,200
190	47.3	178.8	38,100	50.6	173.9	39,800
195	45.6	173.2	36,000	48.8	168.1	37,600
200	43.8	167.2	34,000	47.0	162.0	35,500
205	41.9	160.8	32,000	45.1	155.4	33,400
210	40.0	154.0	30,200	43.1	148.3	31,500
215	38.0	146.7	28,500			
220	35.9	138.8	26,800			
225	33.6	130.1	25,200			
230	31.1	120.6	23,600			



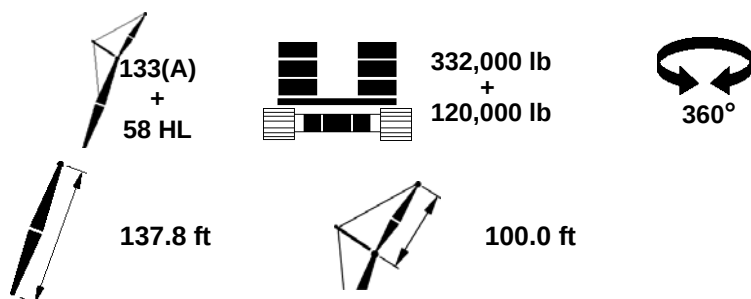
	8°			20°		
ft	o	ft	lb	o	ft	lb
65	81.4	273.0	152,300 *			
70	80.3	271.8	148,700 *			
75	79.2	270.5	145,400 *			
80	78.1	269.1	142,100 *	81.8	265.7	109,200 *
85	77.0	267.7	139,000 *	80.6	264.2	105,300 *
90	75.9	266.1	134,000	79.5	262.6	101,600 *
95	74.8	264.3	123,600	78.4	260.8	98,200 *
100	73.7	262.5	114,400	77.2	259.0	95,000 *
105	72.5	260.6	106,200	76.1	257.0	92,000 *
110	71.4	258.6	98,800	74.9	255.0	89,200 *
115	70.2	256.4	92,100	73.8	252.8	86,500 *
120	69.1	254.1	86,000	72.6	250.5	84,000 *
125	67.9	251.7	80,500	71.4	248.0	81,700 *
130	66.7	249.2	75,400	70.2	245.4	79,300
135	65.5	246.5	70,700	69.0	242.7	74,400
140	64.3	243.7	66,500	67.7	239.9	70,000
145	63.1	240.8	62,500	66.5	236.9	65,800
150	61.8	237.7	58,800	65.2	233.8	61,900
155	60.6	234.4	55,400	64.0	230.4	58,300
160	59.3	231.0	52,100	62.6	227.0	55,000
165	58.0	227.4	49,100	61.3	223.3	51,800
170	56.7	223.7	46,300	60.0	219.5	48,900
175	55.3	219.8	43,700	58.6	215.5	46,100
180	54.0	215.6	41,200	57.2	211.3	43,500
185	52.6	211.3	38,800	55.8	206.9	41,000
190	51.1	206.7	36,600	54.3	202.2	38,600
195	49.7	201.9	34,500	52.8	197.3	36,400
200	48.2	196.9	32,500	51.3	192.1	34,300
205	46.6	191.6	30,600	49.7	186.6	32,300
210	45.0	186.0	28,800	48.0	180.9	30,400
215	43.4	180.0	27,100	46.4	174.7	28,500
220	41.7	173.7	25,400	44.6	168.2	26,800
225	39.9	166.9	23,800	42.8	161.2	25,100
230	38.1	159.7	22,300			
235	36.1	152.0	20,900			
240	34.0	143.6	19,500			
245	31.9	134.5	18,100			



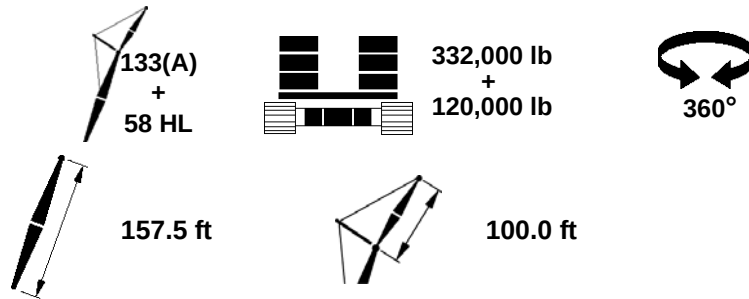
	8°			20°		
	ft	ft	lb	ft	ft	lb
65	82.0	293.1	152,000 *			
70	81.0	292.0	148,800 *			
75	80.0	290.8	145,800 *			
80	79.0	289.5	142,800 *			
85	77.9	288.1	139,900 *			
90	76.9	286.7	132,700	81.3	284.6	107,600 *
95	75.9	285.1	122,200	80.3	283.1	104,000 *
100	74.8	283.4	113,000	79.2	281.5	100,700 *
105	73.8	281.6	104,700	78.2	279.8	97,600 *
110	72.7	279.7	97,300	77.1	278.0	94,600 *
115	71.7	277.7	90,500	76.0	276.0	91,900 *
120	70.6	275.6	84,400	75.0	274.0	89,200 *
125	69.5	273.4	78,900	73.9	271.9	86,800 *
130	68.4	271.1	73,800	72.8	269.7	83,400
135	67.3	268.7	69,100	71.7	267.3	78,000
140	66.2	266.1	64,800	70.6	264.8	73,100
145	65.1	263.4	60,800	69.4	262.2	68,600
150	64.0	260.6	57,100	68.3	259.5	64,400
155	62.8	257.7	53,700	67.2	256.6	60,600
160	61.7	254.6	50,400	66.0	253.6	56,900
165	60.5	251.4	47,400	64.8	250.5	53,600
170	59.3	248.0	44,600	63.6	247.2	50,400
175	58.1	244.5	41,900	62.4	243.8	47,400
180	56.9	240.8	39,400	61.2	240.2	44,600
185	55.6	236.9	37,100	59.9	236.4	42,000
190	54.4	232.9	34,900	58.7	232.5	39,500
195	53.1	228.6	32,800	57.4	228.4	37,200
200	51.8	224.2	30,800	56.1	224.1	34,900
205	50.4	219.6	28,800	54.7	219.6	32,800
210	49.0	214.7	27,000	53.3	214.8	30,800
215	47.6	209.6	25,300	51.9	209.9	28,900
220	46.2	204.3	23,700	50.5	204.6	27,100
225	44.7	198.6	22,100	49.0	199.1	25,300
230	43.2	192.7	20,600	47.5	193.3	23,600
235	41.6	186.4	19,200	45.9	187.2	22,000
240	39.9	179.7	17,800	44.3	180.7	20,500
245	38.2	172.6	16,400	42.6	173.8	19,000
250	36.4	165.0	15,200			
255	34.6	156.9	13,900			
260	32.6	148.1	12,700			
265	30.4	138.6	11,600			



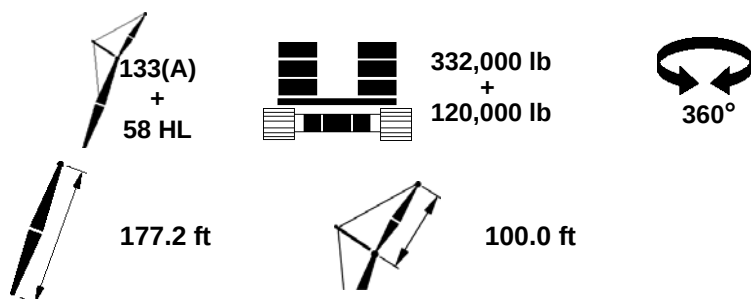
	8°			20°		
ft	o	ft	lb	o	ft	lb
70	81.6	312.1	147,500 *			
75	80.6	311.0	144,700 *			
80	79.7	309.8	140,900 *			
85	78.7	308.5	137,400 *			
90	77.8	307.1	131,600	81.9	304.8	109,700 *
				80.9	303.4	106,200 *
95	76.8	305.7	121,100	79.9	302.0	103,000 *
100	75.8	304.1	111,800	79.0	300.4	99,900 *
105	74.9	302.4	103,400	78.0	298.7	97,000 *
110	73.9	300.7	96,000	77.0	296.9	94,300 *
115	72.9	298.9	89,200	76.0	295.1	91,700 *
120	71.9	296.9	83,100	75.0	293.1	88,200
125	70.9	294.9	77,500	74.0	291.0	82,300
130	69.9	292.7	72,400	73.0	288.8	77,000
135	68.9	290.5	67,700	71.9	286.5	72,100
140	67.9	288.1	63,400	70.9	284.2	67,500
145	66.8	285.6	59,400	69.8	281.6	63,300
150	65.8	283.0	55,700	68.8	279.0	59,400
155	64.7	280.3	52,200	67.7	276.3	55,800
160	63.7	277.5	49,000	66.7	273.4	52,400
165	62.6	274.6	46,000	65.6	270.4	49,200
170	61.5	271.5	43,200	64.5	267.3	46,200
175	60.4	268.3	40,500	63.3	264.0	43,400
180	59.3	264.9	38,000	62.2	260.6	40,800
185	58.2	261.4	35,600	61.1	257.1	38,300
190	57.1	257.8	33,400	59.9	253.4	35,900
195	55.9	254.0	31,300	58.7	249.5	33,700
200	54.7	250.1	29,300	57.5	245.5	31,600
205	53.5	245.9	27,400	56.3	241.3	29,600
210	52.3	241.6	25,600	55.1	236.9	27,700
215	51.1	237.1	23,900	53.8	232.3	25,800
220	49.8	232.4	22,200	52.5	227.5	24,100
225	48.5	227.5	20,700	51.2	222.4	22,400
230	47.2	222.4	19,200	49.8	217.2	20,800
235	45.8	217.0	17,700	48.4	211.6	19,300
240	44.4	211.3	16,300	47.0	205.8	17,800
245	43.0	205.4	15,000	45.5	199.7	16,400
250	41.5	199.1	13,700	44.0	193.3	15,100
255	40.0	192.5	12,500	42.4	186.4	13,700
260	38.4	185.5	11,300			
265	36.7	178.0	10,200			
270	35.0	170.1	9,100			
275	33.2	161.6	8,000			
280	31.2	152.4	7,000			



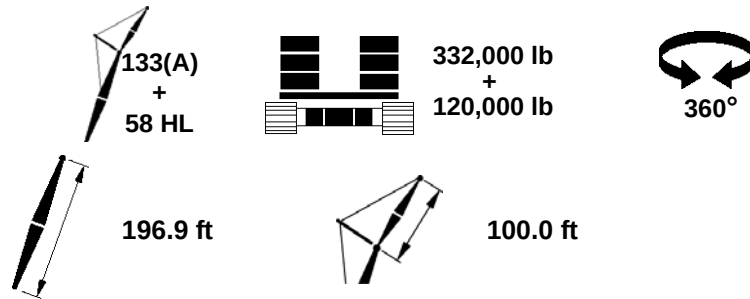
	8°			20°		
	ft	ft	lb	ft	ft	lb
60	81.3	244.4	146,200 *			
65	80.1	243.1	141,800 *			
70	78.8	241.8	137,700 *			
75	77.6	240.4	133,600 *			
80	76.4	238.8	129,900 *			
85	75.1	237.1	126,200 *	80.9	235.9	107,900 *
90	73.8	235.3	122,800 *	79.6	234.2	103,600 *
95	72.6	233.3	119,500 *	78.4	232.3	99,700 *
100	71.3	231.3	116,300 *	77.1	230.4	96,000 *
105	70.0	229.1	108,900	75.8	228.3	92,700 *
110	68.7	226.7	101,500	74.5	226.0	89,500 *
115	67.4	224.2	94,900	73.1	223.7	86,600 *
120	66.0	221.6	88,900	71.8	221.1	83,600 *
125	64.7	218.8	83,500	70.4	218.5	80,800 *
130	63.3	215.9	78,500	69.1	215.7	78,200 *
135	61.9	212.8	73,800	67.7	212.7	75,700 *
140	60.5	209.5	69,600	66.3	209.5	73,400 *
145	59.1	206.1	65,700	64.8	206.2	71,200 *
150	57.6	202.4	62,000	63.4	202.7	68,700
155	56.1	198.6	58,600	61.9	199.0	64,900
160	54.6	194.5	55,400	60.3	195.1	61,300
165	53.0	190.2	52,500	58.8	190.9	58,000
170	51.4	185.7	49,700	57.2	186.5	54,800
175	49.8	180.9	47,100	55.6	181.9	51,900
180	48.1	175.8	44,600	53.9	177.0	49,200
185	46.3	170.4	42,200	52.2	171.8	46,600
190	44.5	164.7	40,000	50.4	166.3	44,100
195	42.7	158.5	37,900	48.5	160.4	41,800
200	40.7	152.0	35,900	46.6	154.0	39,500
205	38.6	144.9	34,000	44.6	147.3	37,400
210	36.5	137.2	32,200	42.4	139.9	35,400
215	34.2	128.9	30,500	40.2	132.0	33,500
220	31.7	119.7	28,800			
225	29.0	109.4	27,200			



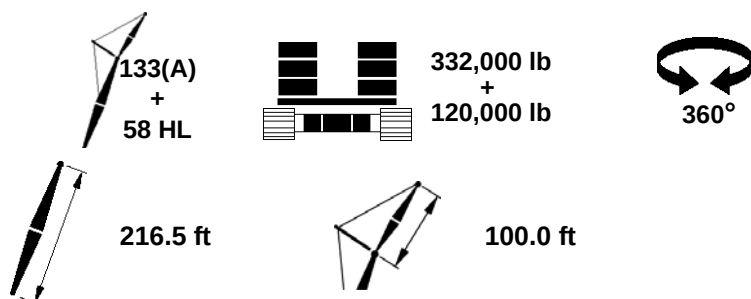
	8°			20°		
ft	o	ft	lb	o	ft	lb
65	81.0	263.3	142,700 *			
70	79.9	262.1	139,000 *			
75	78.7	260.7	135,300 *			
80	77.6	259.3	131,800 *	81.8	256.1	109,400 *
85	76.5	257.7	128,400 *	80.6	254.6	105,400 *
90	75.3	256.1	125,200 *	79.4	252.9	101,700 *
95	74.1	254.3	122,100 *	78.3	251.1	98,200 *
100	73.0	252.4	115,700	77.1	249.2	95,000 *
105	71.8	250.4	107,500	75.9	247.1	91,900 *
110	70.6	248.3	100,200	74.7	245.0	89,100 *
115	69.4	246.0	93,500	73.4	242.7	86,400 *
120	68.2	243.6	87,500	72.2	240.3	83,900 *
125	67.0	241.1	82,000	71.0	237.7	81,500 *
130	65.7	238.4	76,900	69.7	235.0	79,200 *
135	64.5	235.7	72,300	68.4	232.2	76,000
140	63.2	232.7	68,000	67.1	229.2	71,500
145	61.9	229.6	64,000	65.8	226.0	67,400
150	60.6	226.4	60,400	64.5	222.7	63,500
155	59.3	223.0	56,900	63.2	219.3	60,000
160	57.9	219.4	53,800	61.8	215.6	56,600
165	56.5	215.6	50,800	60.4	211.8	53,500
170	55.1	211.6	48,000	59.0	207.7	50,500
175	53.7	207.5	45,300	57.5	203.5	47,800
180	52.3	203.1	42,800	56.0	199.0	45,100
185	50.8	198.4	40,500	54.5	194.3	42,700
190	49.2	193.6	38,300	52.9	189.3	40,300
195	47.7	188.4	36,200	51.3	184.0	38,100
200	46.0	183.0	34,200	49.7	178.4	36,000
205	44.4	177.2	32,300	47.9	172.5	34,000
210	42.6	171.1	30,500	46.2	166.2	32,100
215	40.8	164.6	28,800	44.3	159.5	30,200
220	39.0	157.6	27,100	42.4	152.2	28,500
225	37.0	150.1	25,500	40.3	144.4	26,800
230	34.9	142.0	24,000			
235	32.7	133.2	22,600			
240	30.3	123.4	21,200			



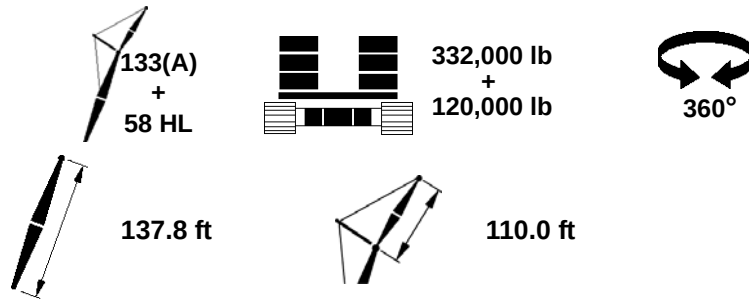
	8°			20°		
	ft	ft	lb	ft	ft	lb
65	81.5	283.5	143,700 *			
70	80.4	282.4	140,200 *			
75	79.4	281.1	136,800 *			
80	78.3	279.8	133,600 *			
85	77.3	278.4	130,500 *			
90	76.2	276.8	127,500 *	81.2	275.1	107,800 *
95	75.1	275.2	123,400	80.1	273.6	104,200 *
100	74.0	273.4	114,200	79.0	271.9	100,800 *
105	73.0	271.6	106,000	77.9	270.2	97,600 *
110	71.9	269.6	98,600	76.8	268.3	94,600 *
115	70.8	267.6	91,900	75.7	266.3	91,800 *
120	69.7	265.4	85,900	74.6	264.2	89,100 *
125	68.5	263.1	80,400	73.5	262.0	86,700 *
130	67.4	260.7	75,300	72.3	259.7	84,300 *
135	66.3	258.1	70,700	71.2	257.2	79,600
140	65.1	255.4	66,400	70.0	254.6	74,800
145	63.9	252.6	62,500	68.8	251.9	70,300
150	62.8	249.7	58,800	67.7	249.1	66,100
155	61.6	246.6	55,400	66.5	246.1	62,300
160	60.3	243.4	52,200	65.2	243.0	58,700
165	59.1	240.0	49,200	64.0	239.7	55,300
170	57.9	236.5	46,400	62.8	236.2	52,200
175	56.6	232.8	43,800	61.5	232.6	49,200
180	55.3	228.9	41,300	60.2	228.9	46,500
185	54.0	224.8	38,900	58.9	224.9	43,900
190	52.7	220.5	36,700	57.6	220.8	41,400
195	51.3	216.1	34,600	56.2	216.4	39,100
200	49.9	211.4	32,600	54.8	211.9	36,800
205	48.5	206.4	30,800	53.4	207.1	34,700
210	47.0	201.3	29,000	51.9	202.0	32,700
215	45.5	195.8	27,300	50.4	196.7	30,800
220	43.9	190.0	25,600	48.9	191.1	29,000
225	42.3	183.9	24,100	47.3	185.2	27,300
230	40.6	177.4	22,600	45.6	178.9	25,600
235	38.9	170.6	21,100	43.9	172.2	24,000
240	37.1	163.2	19,800	42.1	165.1	22,500
245	35.2	155.3	18,400	40.2	157.5	21,000
250	33.2	146.8	17,200			
255	31.0	137.5	15,900			
260	28.7	127.3	14,700			



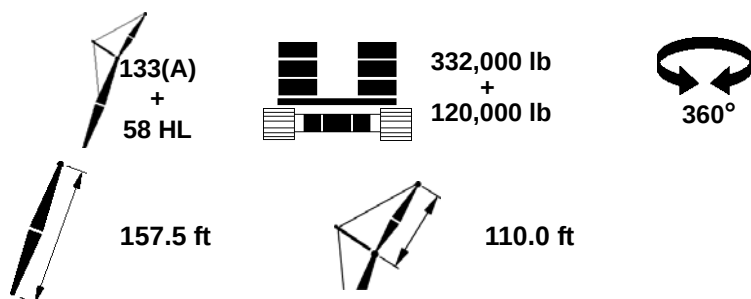
	8°			20°		
ft	o	ft	lb	o	ft	lb
70	81.1	302.5	140,100 *			
75	80.1	301.4	137,100 *			
80	79.1	300.1	134,200 *			
85	78.1	298.8	131,300 *	81.8	295.4	108,900 *
90	77.1	297.4	128,500 *	80.8	294.0	106,000 *
95	76.1	295.8	122,000	79.8	292.5	102,800 *
100	75.1	294.2	112,700	78.8	290.8	99,800 *
105	74.1	292.5	104,500	77.7	289.1	96,900 *
110	73.1	290.7	97,100	76.7	287.3	94,100 *
115	72.1	288.8	90,400	75.7	285.3	91,500 *
120	71.1	286.8	84,300	74.6	283.3	89,100 *
125	70.0	284.6	78,700	73.6	281.1	83,700
130	69.0	282.4	73,700	72.5	278.9	78,400
135	67.9	280.1	69,000	71.5	276.5	73,500
140	66.9	277.6	64,700	70.4	274.0	69,000
145	65.8	275.1	60,700	69.3	271.4	64,800
150	64.7	272.4	57,100	68.2	268.7	60,900
155	63.6	269.6	53,600	67.1	265.8	57,300
160	62.5	266.6	50,400	66.0	262.8	53,900
165	61.4	263.5	47,400	64.8	259.7	50,700
170	60.3	260.3	44,600	63.7	256.5	47,800
175	59.1	257.0	42,000	62.5	253.1	45,000
180	58.0	253.5	39,500	61.4	249.5	42,400
185	56.8	249.8	37,100	60.2	245.8	39,900
190	55.6	246.0	34,900	58.9	241.9	37,500
195	54.4	242.0	32,800	57.7	237.8	35,300
200	53.1	237.9	30,800	56.4	233.6	33,200
205	51.9	233.5	29,000	55.1	229.2	31,200
210	50.6	229.0	27,200	53.8	224.5	29,300
215	49.3	224.2	25,400	52.5	219.7	27,500
220	47.9	219.2	23,800	51.1	214.6	25,700
225	46.6	214.0	22,300	49.7	209.2	24,100
230	45.1	208.5	20,800	48.3	203.6	22,500
235	43.7	202.7	19,300	46.8	197.7	21,000
240	42.2	196.6	18,000	45.2	191.4	19,500
245	40.6	190.2	16,600	43.6	184.8	18,100
250	39.0	183.4	15,400	42.0	177.7	16,700
255	37.3	176.1	14,200	40.2	170.2	15,400
260	35.6	168.4	13,000			
265	33.7	160.1	11,900			
270	31.8	151.2	10,800			
275	29.7	141.5	9,700			



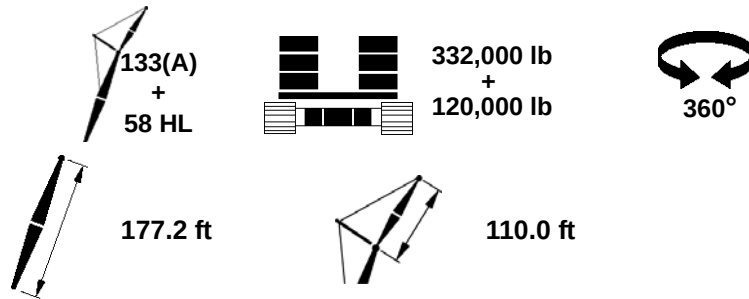
	8°			20°		
	ft	ft	lb	ft	ft	lb
70	81.6	322.6	136,400 *			
75	80.7	321.5	133,700 *			
80	79.8	320.4	131,200 *			
85	78.9	319.1	128,700 *			
90	77.9	317.8	126,300 *	81.4	314.3	105,200 *
95	77.0	316.4	120,700	80.4	312.9	103,700 *
100	76.1	314.9	111,400	79.5	311.4	102,100 *
105	75.1	313.3	103,200	78.5	309.7	99,400 *
110	74.2	311.6	95,700	77.6	308.0	96,800 *
115	73.3	309.8	89,000	76.6	306.2	94,200 *
120	72.3	307.9	82,900	75.7	304.3	88,500
125	71.3	306.0	77,400	74.7	302.3	82,600
130	70.4	303.9	72,300	73.7	300.3	77,300
135	69.4	301.7	67,600	72.7	298.1	72,400
140	68.4	299.4	63,300	71.7	295.8	67,800
145	67.4	297.1	59,300	70.7	293.3	63,600
150	66.4	294.6	55,600	69.7	290.8	59,700
155	65.4	292.0	52,200	68.7	288.2	56,100
160	64.4	289.3	48,900	67.7	285.5	52,700
165	63.4	286.5	45,900	66.6	282.6	49,500
170	62.3	283.5	43,100	65.6	279.6	46,500
175	61.3	280.5	40,500	64.5	276.5	43,800
180	60.2	277.3	38,000	63.4	273.3	41,100
185	59.2	273.9	35,600	62.3	269.9	38,600
190	58.1	270.5	33,400	61.2	266.4	36,300
195	57.0	266.9	31,300	60.1	262.7	34,100
200	55.9	263.1	29,300	59.0	258.9	31,900
205	54.7	259.2	27,400	57.8	254.9	29,900
210	53.6	255.1	25,600	56.6	250.8	28,000
215	52.4	250.9	23,900	55.4	246.4	26,200
220	51.2	246.5	22,300	54.2	241.9	24,500
225	50.0	241.8	20,700	53.0	237.2	22,800
230	48.7	237.0	19,300	51.7	232.3	21,200
235	47.5	232.0	17,800	50.4	227.1	19,700
240	46.2	226.7	16,500	49.1	221.7	18,200
245	44.8	221.2	15,200	47.7	216.1	16,800
250	43.5	215.4	13,900	46.3	210.2	15,500
255	42.1	209.3	12,700	44.9	203.9	14,200
260	40.6	202.9	11,500	43.4	197.3	12,900
265	39.1	196.2	10,400	41.8	190.4	11,700
270	37.6	189.0	9,300	40.2	183.0	10,500
275	35.9	181.4	8,300			
280	34.2	173.4	7,200			



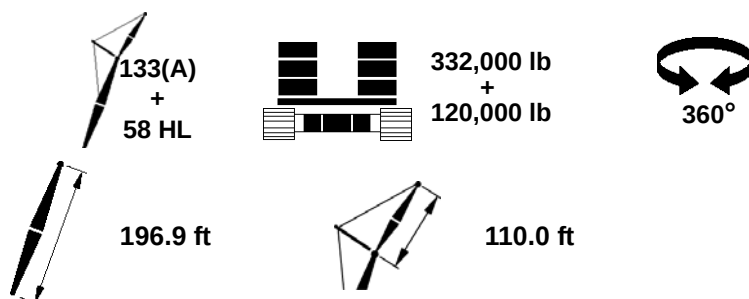
	8°			20°		
ft	o	ft	lb	o	ft	lb
65	81.1	253.3	128,200 *			
70	79.9	252.0	124,400 *			
75	78.7	250.7	120,800 *			
80	77.5	249.2	117,400 *			
85	76.3	247.5	114,100 *	81.1	244.3	95,300 *
90	75.1	245.8	111,000 *	79.9	242.6	92,500 *
95	73.9	243.9	108,000 *	78.7	240.7	89,100 *
100	72.7	242.0	105,200 *	77.4	238.7	86,000 *
105	71.5	239.9	102,500 *	76.2	236.6	83,000 *
110	70.2	237.6	99,900 *	74.9	234.3	80,200 *
115	69.0	235.3	96,100	73.6	231.9	77,600 *
120	67.7	232.8	90,100	72.3	229.4	75,200 *
125	66.4	230.1	84,600	71.0	226.7	72,800 *
130	65.1	227.4	79,600	69.7	223.9	70,700 *
135	63.8	224.4	75,000	68.4	220.9	68,600 *
140	62.4	221.3	70,700	67.0	217.7	66,700 *
145	61.1	218.1	66,700	65.6	214.4	64,900 *
150	59.7	214.6	63,100	64.2	210.9	63,100 *
155	58.3	211.0	59,700	62.8	207.3	61,500 *
160	56.9	207.2	56,500	61.3	203.4	59,300
165	55.4	203.2	53,500	59.8	199.3	56,100
170	53.9	199.0	50,700	58.3	195.0	53,200
175	52.4	194.5	48,100	56.8	190.4	50,400
180	50.8	189.8	45,600	55.2	185.6	47,800
185	49.2	184.9	43,300	53.5	180.5	45,300
190	47.6	179.6	41,000	51.8	175.1	43,000
195	45.9	174.0	38,900	50.1	169.4	40,800
200	44.1	168.1	36,900	48.3	163.3	38,700
205	42.3	161.8	35,100	46.4	156.7	36,700
210	40.4	155.0	33,200	44.4	149.7	34,700
215	38.4	147.7	31,500	42.3	142.2	32,900
220	36.2	139.8	29,900			
225	34.0	131.3	28,300			
230	31.5	121.8	26,700			
235	28.9	111.3	25,300			



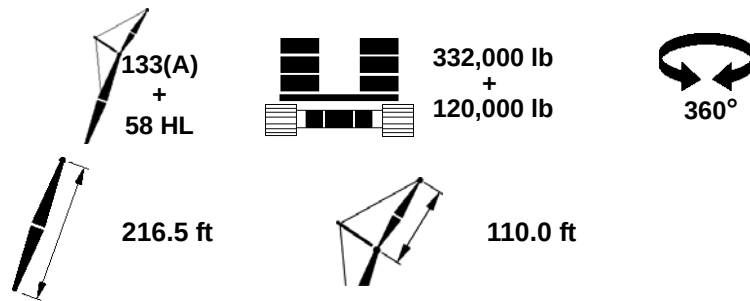
	8°			20°		
	ft	ft	lb	ft	ft	lb
65	81.9	273.4	128,700 *			
70	80.9	272.2	125,300 *			
75	79.8	270.9	122,000 *			
80	78.7	269.5	118,900 *			
85	77.6	268.1	115,800 *			
90	76.5	266.5	112,900 *	82.0	264.6	96,200 *
95	75.3	264.8	110,200 *	80.9	262.9	94,000 *
100	74.2	262.9	107,500 *	79.7	261.2	90,800 *
105	73.1	261.0	105,000 *	78.6	259.4	87,800 *
110	71.9	259.0	101,500	77.4	257.4	85,000 *
115	70.8	256.8	94,800	76.3	255.4	82,300 *
120	69.6	254.5	88,700	75.1	253.2	79,800 *
125	68.5	252.1	83,200	73.9	250.9	77,400 *
130	67.3	249.6	78,100	72.7	248.4	75,200 *
135	66.1	246.9	73,500	71.5	245.8	73,100 *
140	64.9	244.1	69,200	70.3	243.1	71,100 *
145	63.6	241.2	65,200	69.1	240.3	69,200 *
150	62.4	238.1	61,500	67.8	237.3	67,400 *
155	61.2	234.9	58,100	66.6	234.2	65,000
160	59.9	231.5	54,800	65.3	230.9	61,300
165	58.6	227.9	51,800	64.0	227.4	58,000
170	57.3	224.2	49,000	62.7	223.8	54,800
175	55.9	220.3	46,400	61.3	220.0	51,900
180	54.5	216.1	43,900	60.0	216.0	49,100
185	53.2	211.8	41,500	58.6	211.8	46,400
190	51.7	207.3	39,300	57.1	207.3	44,000
195	50.3	202.5	37,200	55.7	202.7	41,600
200	48.8	197.5	35,200	54.2	197.8	39,400
205	47.2	192.1	33,300	52.7	192.6	37,300
210	45.6	186.5	31,500	51.1	187.2	35,200
215	44.0	180.6	29,800	49.4	181.4	33,300
220	42.3	174.3	28,100	47.8	175.3	31,500
225	40.5	167.6	26,600	46.0	168.8	29,700
230	38.7	160.4	25,000	44.2	161.8	28,000
235	36.8	152.7	23,600	42.2	154.4	26,400
240	34.7	144.4	22,200			
245	32.5	135.4	20,800			
250	30.2	125.4	19,500			



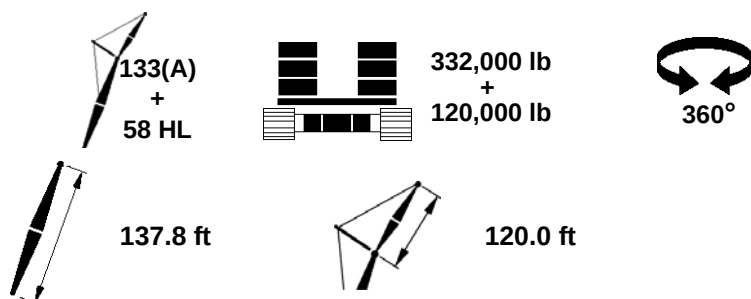
	8°			20°		
ft	o	ft	lb	o	ft	lb
70	81.3	292.5	126,300 *			
75	80.3	291.3	123,300 *			
80	79.3	290.0	120,400 *			
85	78.3	288.6	117,600 *			
90	77.2	287.1	114,900 *	81.3	283.6	95,100 *
95	76.2	285.6	112,300 *	80.3	282.0	93,000 *
100	75.2	283.9	109,800 *	79.2	280.3	90,000 *
105	74.1	282.1	107,300 *	78.2	278.5	87,300 *
110	73.1	280.2	99,900	77.1	276.6	84,600 *
115	72.0	278.2	93,200	76.0	274.6	82,100 *
120	70.9	276.1	87,200	75.0	272.4	79,800 *
125	69.9	273.9	81,600	73.9	270.2	77,600 *
130	68.8	271.6	76,500	72.8	267.9	75,500 *
135	67.7	269.2	71,900	71.7	265.4	73,500 *
140	66.6	266.6	67,600	70.5	262.8	71,700 *
145	65.5	263.9	63,600	69.4	260.1	67,600
150	64.3	261.1	59,900	68.2	257.2	63,700
155	63.2	258.2	56,500	67.1	254.2	60,100
160	62.0	255.1	53,300	65.9	251.1	56,700
165	60.9	251.9	50,300	64.7	247.8	53,500
170	59.7	248.5	47,500	63.5	244.4	50,600
175	58.5	245.0	44,800	62.3	240.8	47,800
180	57.2	241.3	42,300	61.0	237.1	45,200
185	56.0	237.5	40,000	59.8	233.2	42,700
190	54.7	233.5	37,800	58.5	229.0	40,300
195	53.5	229.3	35,700	57.2	224.7	38,100
200	52.1	224.8	33,700	55.8	220.2	36,000
205	50.8	220.2	31,800	54.5	215.5	34,000
210	49.4	215.4	30,000	53.1	210.6	32,100
215	48.0	210.3	28,300	51.6	205.4	30,200
220	46.6	205.0	26,600	50.2	199.9	28,500
225	45.1	199.3	25,000	48.6	194.1	26,800
230	43.6	193.4	23,600	47.1	188.0	25,200
235	42.0	187.1	22,100	45.4	181.5	23,700
240	40.4	180.5	20,700	43.7	174.7	22,200
245	38.7	173.4	19,400	42.0	167.3	20,800
250	36.9	165.9	18,100			
255	35.0	157.8	16,900			
260	33.0	149.1	15,700			
265	30.9	139.6	14,600			



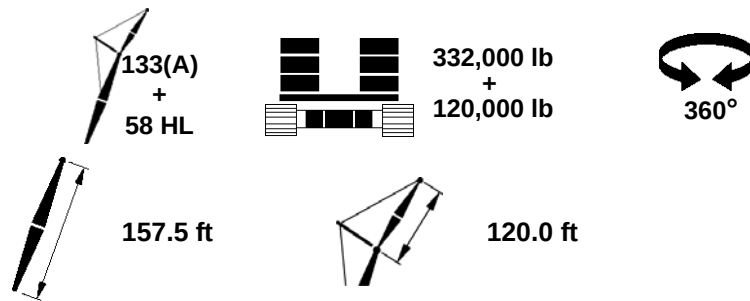
	8°			20°		
	ft	ft	lb	ft	ft	lb
70	81.9	312.6	126,100 *			
75	80.9	311.5	123,400 *			
80	80.0	310.3	120,800 *			
85	79.0	309.0	118,200 *			
90	78.1	307.6	115,700 *	81.9	303.9	95,600 *
95	77.1	306.1	113,300 *	80.9	302.4	94,000 *
100	76.1	304.6	110,900 *	80.0	300.9	91,600 *
105	75.2	302.9	105,900	79.0	299.2	89,000 *
110	74.2	301.2	98,400	78.0	297.4	86,500 *
115	73.2	299.3	91,700	77.0	295.5	84,100 *
120	72.2	297.4	85,600	76.0	293.6	81,900 *
125	71.2	295.4	80,000	75.0	291.5	79,700 *
130	70.2	293.2	74,900	74.0	289.3	77,600 *
135	69.2	291.0	70,300	72.9	287.0	75,100
140	68.2	288.6	65,900	71.9	284.7	70,500
145	67.2	286.1	61,900	70.9	282.1	66,300
150	66.1	283.6	58,200	69.8	279.5	62,400
155	65.1	280.9	54,800	68.7	276.8	58,700
160	64.0	278.0	51,600	67.7	273.9	55,300
165	62.9	275.1	48,500	66.6	270.9	52,100
170	61.9	272.0	45,700	65.5	267.8	49,200
175	60.8	268.8	43,100	64.4	264.6	46,400
180	59.7	265.5	40,600	63.2	261.2	43,700
185	58.5	262.0	38,200	62.1	257.6	41,200
190	57.4	258.4	36,000	60.9	253.9	38,900
195	56.2	254.6	33,900	59.8	250.1	36,600
200	55.1	250.6	31,900	58.6	246.1	34,500
205	53.9	246.5	30,000	57.3	241.9	32,500
210	52.7	242.2	28,200	56.1	237.5	30,600
215	51.4	237.7	26,500	54.8	232.9	28,700
220	50.1	233.1	24,800	53.5	228.1	27,000
225	48.9	228.2	23,200	52.2	223.1	25,300
230	47.5	223.0	21,800	50.9	217.8	23,700
235	46.2	217.6	20,300	49.5	212.3	22,200
240	44.8	212.0	18,900	48.1	206.5	20,700
245	43.4	206.1	17,600	46.6	200.4	19,300
250	41.9	199.8	16,400	45.1	194.0	17,900
255	40.4	193.2	15,100	43.5	187.2	16,600
260	38.8	186.3	14,000	41.8	180.0	15,300
265	37.1	178.9	12,800			
270	35.4	171.0	11,700			
275	33.6	162.5	10,700			
280	31.7	153.3	9,600			
285	29.6	143.4	8,600			



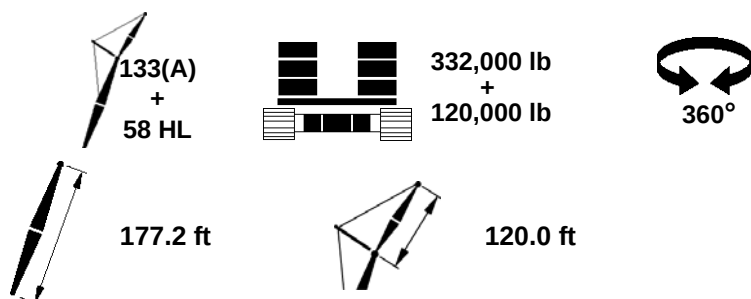
	8°			20°		
ft	o	ft	lb	o	ft	lb
75	81.5	331.6	122,500 *			
80	80.6	330.5	120,100 *			
85	79.7	329.3	117,800 *			
90	78.8	328.0	115,600 *			
95	77.9	326.6	113,400 *			
100	77.0	325.1	111,300 *	81.5	322.8	94,000 *
105	76.1	323.6	104,600	80.6	321.3	92,600 *
110	75.2	322.0	97,200	79.7	319.7	90,400 *
115	74.3	320.3	90,400	78.7	318.1	88,000 *
120	73.3	318.4	84,300	77.8	316.3	85,700 *
125	72.4	316.5	78,700	76.9	314.5	83,500 *
130	71.5	314.5	73,600	75.9	312.6	81,400 *
135	70.5	312.4	68,900	75.0	310.6	79,000
140	69.6	310.3	64,500	74.0	308.4	74,000
145	68.6	308.0	60,500	73.1	306.2	69,400
150	67.7	305.6	56,800	72.1	303.9	65,200
155	66.7	303.1	53,300	71.1	301.5	61,300
160	65.7	300.5	50,100	70.2	298.9	57,600
165	64.7	297.8	47,100	69.2	296.3	54,200
170	63.7	294.9	44,200	68.2	293.5	51,000
175	62.7	292.0	41,600	67.2	290.7	48,000
180	61.7	288.9	39,100	66.1	287.7	45,200
185	60.7	285.8	36,700	65.1	284.6	42,500
190	59.6	282.4	34,500	64.1	281.3	40,000
195	58.6	279.0	32,400	63.0	278.0	37,600
200	57.5	275.4	30,400	61.9	274.5	35,400
205	56.4	271.7	28,500	60.8	270.8	33,200
210	55.3	267.8	26,700	59.7	267.0	31,200
215	54.2	263.8	24,900	58.6	263.1	29,300
220	53.1	259.6	23,300	57.5	259.0	27,500
225	51.9	255.2	21,700	56.3	254.7	25,700
230	50.8	250.6	20,200	55.2	250.2	24,000
235	49.6	245.9	18,800	54.0	245.6	22,400
240	48.4	240.9	17,400	52.7	240.7	20,900
245	47.1	235.7	16,100	51.5	235.6	19,400
250	45.8	230.3	14,900	50.2	230.3	18,000
255	44.5	224.7	13,600	48.9	224.8	16,700
260	43.2	218.8	12,500	47.6	219.0	15,400
265	41.8	212.5	11,400	46.2	212.9	14,100
270	40.4	206.0	10,300	44.7	206.5	12,900
275	38.9	199.1	9,200	43.3	199.7	11,700
280	37.3	191.8	8,200	41.7	192.6	10,600
285	35.7	184.0	7,200			



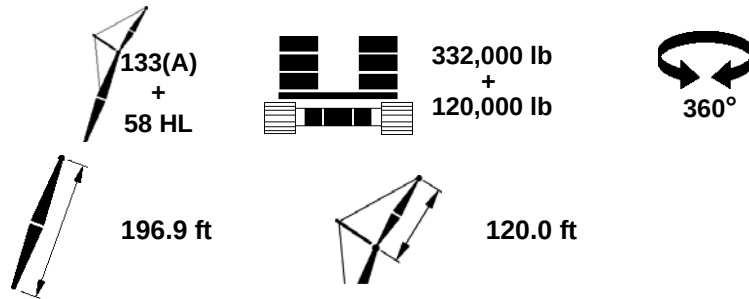
	8°			20°		
	ft	ft	lb	ft	ft	lb
65	82.0	263.5	118,300 *			
70	80.9	262.3	114,800 *			
75	79.7	260.9	111,500 *			
80	78.6	259.5	108,300 *			
85	77.4	257.9	105,300 *			
90	76.3	256.3	102,300 *	81.3	252.8	85,200 *
95	75.1	254.5	99,500 *	80.1	251.0	82,600 *
100	74.0	252.6	96,800 *	78.9	249.1	79,600 *
105	72.8	250.6	94,300 *	77.7	247.1	76,900 *
110	71.6	248.5	91,900 *	76.5	244.9	74,300 *
115	70.4	246.2	89,500 *	75.3	242.6	71,800 *
120	69.2	243.9	87,300 *	74.1	240.2	69,600 *
125	67.9	241.3	84,600 *	72.8	237.7	67,400 *
130	66.7	238.7	80,200	71.6	235.0	65,400 *
135	65.5	235.9	75,500	70.3	232.1	63,400 *
140	64.2	233.0	71,200	69.0	229.1	61,600 *
145	62.9	229.9	67,300	67.7	226.0	59,900 *
150	61.6	226.6	63,600	66.4	222.7	58,300 *
155	60.3	223.2	60,200	65.0	219.2	56,700 *
160	58.9	219.6	57,000	63.6	215.6	55,300 *
165	57.6	215.9	54,000	62.2	211.7	53,900 *
170	56.2	211.9	51,200	60.8	207.7	52,500 *
175	54.7	207.7	48,500	59.4	203.4	51,100
180	53.3	203.4	46,000	57.9	198.9	48,500
185	51.8	198.7	43,700	56.3	194.2	46,000
190	50.3	193.9	41,500	54.8	189.2	43,700
195	48.7	188.7	39,400	53.2	184.0	41,500
200	47.1	183.3	37,400	51.5	178.4	39,300
205	45.4	177.6	35,500	49.8	172.4	37,300
210	43.7	171.4	33,700	48.0	166.1	35,400
215	41.9	164.9	31,900	46.1	159.4	33,600
220	40.0	158.0	30,300	44.2	152.2	31,800
225	38.0	150.5	28,700	42.1	144.4	30,100
230	35.9	142.4	27,200			
235	33.7	133.6	25,700			
240	31.3	123.9	24,300			

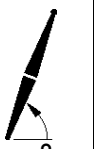
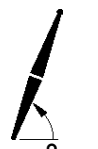
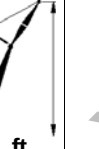


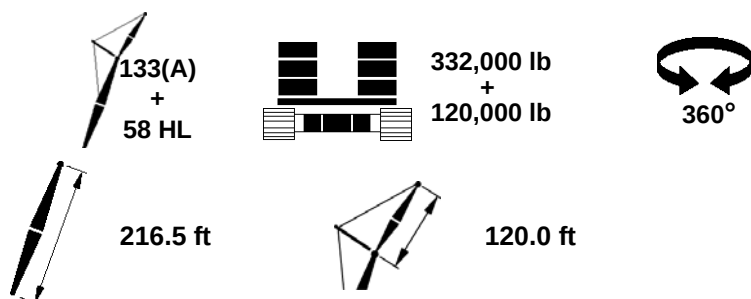
	8°			20°		
ft	o	ft	lb	o	ft	lb
70	81.7	282.4	115,400 *			
75	80.6	281.2	112,300 *			
80	79.6	279.8	109,400 *			
85	78.5	278.4	106,600 *			
90	77.5	276.9	103,900 *			
95	76.4	275.2	101,300 *	81.0	271.4	84,000 *
100	75.3	273.5	98,800 *	80.0	269.6	81,100 *
105	74.2	271.6	96,400 *	78.8	267.7	78,500 *
110	73.1	269.7	94,100 *	77.7	265.7	76,000 *
115	72.0	267.6	91,800 *	76.6	263.6	73,700 *
120	70.9	265.4	89,400	75.5	261.4	71,500 *
125	69.8	263.1	83,800	74.4	259.1	69,400 *
130	68.7	260.7	78,700	73.2	256.6	67,400 *
135	67.5	258.2	74,100	72.0	254.1	65,500 *
140	66.4	255.5	69,700	70.9	251.3	63,800 *
145	65.2	252.7	65,800	69.7	248.5	62,100 *
150	64.0	249.7	62,000	68.5	245.5	60,500 *
155	62.8	246.7	58,600	67.3	242.4	58,900 *
160	61.6	243.4	55,400	66.0	239.1	57,500 *
165	60.4	240.1	52,400	64.8	235.6	55,600
170	59.1	236.5	49,500	63.5	232.0	52,600
175	57.9	232.8	46,900	62.2	228.2	49,800
180	56.6	228.9	44,400	60.9	224.3	47,200
185	55.2	224.9	42,000	59.5	220.1	44,700
190	53.9	220.6	39,800	58.2	215.7	42,300
195	52.5	216.1	37,700	56.8	211.2	40,100
200	51.1	211.4	35,700	55.3	206.3	37,900
205	49.7	206.5	33,800	53.9	201.3	35,900
210	48.2	201.3	31,900	52.4	196.0	34,000
215	46.7	195.8	30,200	50.8	190.3	32,100
220	45.2	190.1	28,600	49.2	184.4	30,400
225	43.6	184.0	27,000	47.5	178.1	28,700
230	41.9	177.5	25,500	45.8	171.4	27,100
235	40.2	170.6	24,000	44.0	164.2	25,500
240	38.4	163.3	22,600	42.1	156.5	24,000
245	36.5	155.4	21,300			
250	34.4	146.9	20,000			
255	32.3	137.6	18,700			
260	30.0	127.4	17,500			



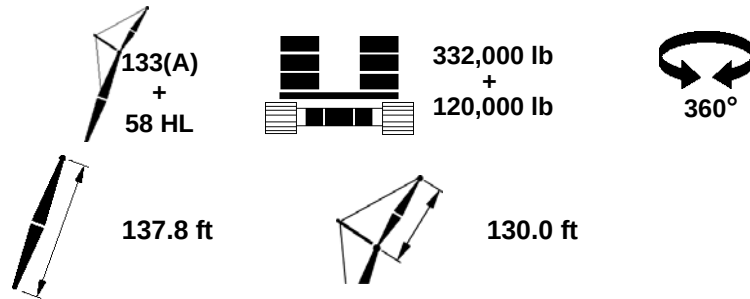
	8°			20°		
	ft	ft	lb	ft	ft	lb
75	81.1	301.4	113,400 *			
80	80.1	300.2	110,700 *			
85	79.1	298.9	108,100 *			
90	78.1	297.4	105,500 *			
95	77.2	295.9	103,100 *	81.5	292.1	85,000 *
100	76.2	294.3	100,700 *	80.5	290.4	82,900 *
105	75.1	292.6	98,400 *	79.4	288.7	80,400 *
110	74.1	290.8	96,200 *	78.4	286.8	77,900 *
115	73.1	288.9	93,900	77.4	284.9	75,600 *
120	72.1	286.9	87,800	76.3	282.9	73,500 *
125	71.1	284.7	82,300	75.3	280.7	71,400 *
130	70.0	282.5	77,200	74.2	278.4	69,400 *
135	69.0	280.2	72,500	73.2	276.1	67,600 *
140	67.9	277.7	68,200	72.1	273.6	65,900 *
145	66.8	275.2	64,200	71.0	271.0	64,200 *
150	65.7	272.5	60,500	69.9	268.2	62,600 *
155	64.7	269.7	57,000	68.8	265.4	60,900
160	63.6	266.7	53,800	67.7	262.4	57,500
165	62.4	263.6	50,800	66.5	259.3	54,300
170	61.3	260.4	47,900	65.4	256.0	51,400
175	60.2	257.1	45,300	64.2	252.6	48,500
180	59.0	253.6	42,800	63.0	249.0	45,900
185	57.8	249.9	40,400	61.8	245.3	43,400
190	56.6	246.1	38,200	60.6	241.4	41,000
195	55.4	242.1	36,100	59.4	237.3	38,800
200	54.2	238.0	34,100	58.1	233.1	36,700
205	52.9	233.6	32,200	56.8	228.7	34,700
210	51.6	229.1	30,400	55.5	224.0	32,700
215	50.3	224.3	28,700	54.2	219.1	30,900
220	49.0	219.3	27,000	52.8	214.0	29,100
225	47.6	214.1	25,400	51.4	208.6	27,500
230	46.2	208.6	23,900	49.9	203.0	25,800
235	44.7	202.8	22,500	48.4	197.0	24,300
240	43.2	196.7	21,100	46.9	190.8	22,800
245	41.7	190.3	19,800	45.3	184.1	21,400
250	40.1	183.5	18,500	43.6	177.1	20,000
255	38.4	176.3	17,300	41.9	169.5	18,700
260	36.6	168.6	16,100			
265	34.8	160.3	15,000			
270	32.8	151.4	13,900			
275	30.8	141.6	12,800			



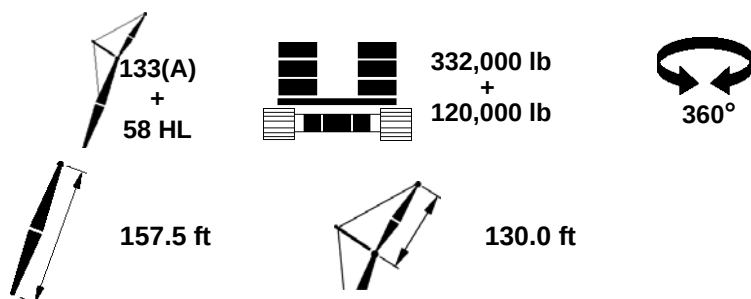
	8°			20°		
						
	ft	ft	lb	ft	ft	lb
75	81.7	321.6	113,400 *			
80	80.7	320.4	111,000 *			
85	79.8	319.2	108,600 *			
90	78.9	317.9	106,200 *			
95	78.0	316.4	104,000 *			
100	77.0	314.9	101,800 *	81.1	310.9	84,000 *
105	76.1	313.3	99,600 *	80.1	309.3	81,800 *
110	75.2	311.6	97,600 *	79.2	307.5	79,400 *
115	74.2	309.9	92,500	78.2	305.7	77,200 *
120	73.3	308.0	86,300	77.3	303.8	75,200 *
125	72.3	306.0	80,700	76.3	301.8	73,100 *
130	71.3	304.0	75,600	75.3	299.7	71,300 *
135	70.4	301.8	70,900	74.3	297.5	69,400 *
140	69.4	299.5	66,600	73.3	295.2	67,700 *
145	68.4	297.1	62,500	72.3	292.8	66,000 *
150	67.4	294.7	58,800	71.3	290.3	63,300
155	66.4	292.1	55,300	70.3	287.7	59,600
160	65.4	289.4	52,100	69.2	284.9	56,200
165	64.3	286.5	49,100	68.2	282.1	53,000
170	63.3	283.6	46,200	67.1	279.1	50,000
175	62.2	280.5	43,600	66.1	276.0	47,200
180	61.2	277.3	41,000	65.0	272.7	44,500
185	60.1	274.0	38,700	63.9	269.3	42,000
190	59.0	270.6	36,400	62.8	265.8	39,600
195	57.9	266.9	34,300	61.7	262.1	37,300
200	56.8	263.2	32,300	60.5	258.3	35,200
205	55.7	259.3	30,400	59.4	254.3	33,200
210	54.5	255.2	28,600	58.2	250.2	31,200
215	53.3	251.0	26,900	57.0	245.8	29,400
220	52.2	246.5	25,200	55.8	241.3	27,600
225	50.9	241.9	23,700	54.5	236.6	26,000
230	49.7	237.1	22,200	53.3	231.6	24,300
235	48.4	232.1	20,700	52.0	226.5	22,800
240	47.1	226.8	19,300	50.6	221.1	21,300
245	45.8	221.3	18,000	49.3	215.4	19,900
250	44.4	215.5	16,700	47.9	209.4	18,500
255	43.0	209.4	15,500	46.4	203.2	17,200
260	41.6	203.0	14,300	44.9	196.6	15,900
265	40.1	196.3	13,200	43.4	189.6	14,700
270	38.5	189.1	12,100	41.7	182.2	13,500
275	36.9	181.6	11,000			
280	35.2	173.5	10,000			
285	33.4	164.8	9,000			
290	31.5	155.5	8,100			
295	29.5	145.4	7,100			



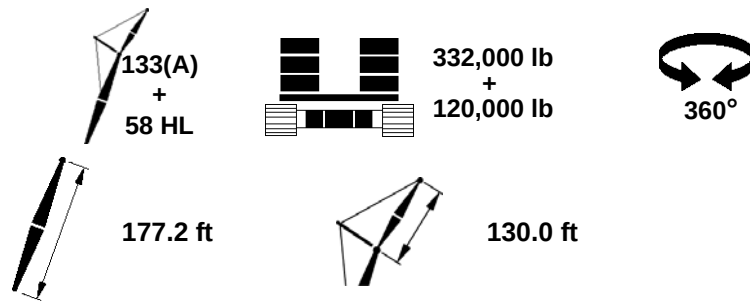
	8°			20°		
	ft	o	ft	lb	ft	lb
80	81.3	340.6	110,300 *			
85	80.4	339.4	108,100 *			
90	79.6	338.2	106,000 *			
95	78.7	336.8	104,000 *			
100	77.8	335.4	102,000 *	81.6	331.2	84,100 *
105	76.9	333.9	100,000 *	80.7	329.7	82,700 *
110	76.1	332.4	98,000	79.8	328.1	80,700 *
115	75.2	330.7	91,200	78.9	326.4	78,600 *
120	74.3	328.9	85,000	78.0	324.7	76,600 *
125	73.4	327.1	79,400	77.1	322.8	74,600 *
130	72.5	325.2	74,300	76.2	320.8	72,800 *
135	71.6	323.1	69,500	75.3	318.8	71,000 *
140	70.6	321.0	65,200	74.4	316.6	69,300 *
145	69.7	318.8	61,100	73.4	314.4	66,200
150	68.8	316.5	57,400	72.5	312.1	62,200
155	67.9	314.1	53,900	71.5	309.6	58,500
160	66.9	311.6	50,700	70.6	307.1	55,100
165	66.0	309.0	47,600	69.6	304.4	51,900
170	65.0	306.3	44,800	68.7	301.7	48,800
175	64.0	303.4	42,100	67.7	298.8	46,000
180	63.1	300.5	39,600	66.7	295.8	43,300
185	62.1	297.4	37,200	65.7	292.7	40,800
190	61.1	294.3	35,000	64.7	289.5	38,400
195	60.1	291.0	32,800	63.6	286.1	36,100
200	59.1	287.5	30,800	62.6	282.6	34,000
205	58.0	284.0	28,900	61.5	279.0	31,900
210	57.0	280.3	27,100	60.5	275.2	30,000
215	55.9	276.4	25,400	59.4	271.3	28,100
220	54.8	272.4	23,700	58.3	267.2	26,400
225	53.7	268.2	22,100	57.2	262.9	24,700
230	52.6	263.9	20,600	56.0	258.5	23,100
235	51.5	259.4	19,200	54.9	253.9	21,500
240	50.3	254.7	17,800	53.7	249.1	20,100
245	49.2	249.9	16,500	52.5	244.2	18,600
250	48.0	244.8	15,200	51.3	238.9	17,300
255	46.7	239.5	14,000	50.0	233.5	16,000
260	45.5	233.9	12,800	48.7	227.8	14,700
265	44.2	228.2	11,700	47.4	221.9	13,500
270	42.9	222.1	10,600	46.0	215.6	12,300
275	41.5	215.7	9,600	44.6	209.0	11,100
280	40.1	209.0	8,500	43.2	202.1	10,000
285	38.6	202.0	7,600	41.6	194.8	8,900



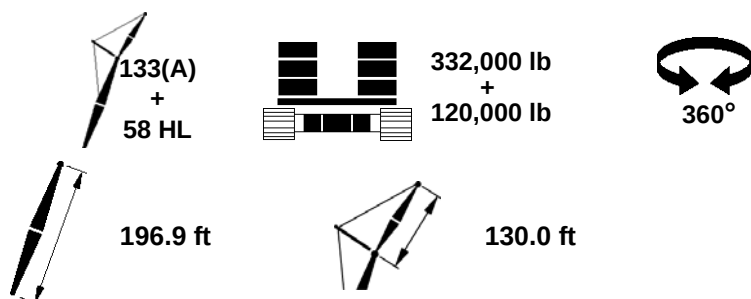
	8°			20°		
ft	o	ft	lb	o	ft	lb
70	81.7	272.5	106,500 *			
75	80.6	271.2	103,400 *			
80	79.6	269.8	100,400 *			
85	78.5	268.3	97,500 *			
90	77.3	266.7	94,800 *			
95	76.2	265.0	92,200 *	81.4	261.3	76,500 *
100	75.1	263.2	89,600 *	80.3	259.5	74,300 *
105	74.0	261.3	87,200 *	79.2	257.5	71,700 *
110	72.8	259.3	85,000 *	78.0	255.5	69,200 *
115	71.7	257.1	82,700 *	76.8	253.3	66,900 *
120	70.5	254.8	80,600 *	75.7	251.0	64,800 *
125	69.4	252.4	78,500 *	74.5	248.5	62,700 *
130	68.2	249.9	76,200 *	73.3	246.0	60,800 *
135	67.0	247.2	73,500 *	72.1	243.3	59,000 *
140	65.8	244.5	71,100 *	70.8	240.4	57,300 *
145	64.6	241.5	67,900 *	69.6	237.4	55,700 *
150	63.3	238.4	64,200 *	68.3	234.3	54,200 *
155	62.1	235.2	60,800 *	67.0	231.0	52,700 *
160	60.8	231.8	57,600 *	65.7	227.5	51,300 *
165	59.5	228.2	54,600 *	64.4	223.9	50,000 *
170	58.2	224.5	51,700 *	63.1	220.1	48,600 *
175	56.8	220.6	49,100 *	61.7	216.1	47,500 *
180	55.5	216.5	46,600 *	60.3	211.9	46,400 *
185	54.1	212.2	44,300 *	58.9	207.5	45,200 *
190	52.6	207.6	42,000 *	57.4	202.8	44,200 *
195	51.2	202.9	39,900 *	55.9	197.9	42,200 *
200	49.7	197.8	37,900 *	54.4	192.8	40,100 *
205	48.2	192.5	36,000 *	52.8	187.3	38,100 *
210	46.6	186.9	34,200 *	51.2	181.6	36,200 *
215	44.9	181.0	32,500 *	49.5	175.5	34,300 *
220	43.2	174.7	30,800 *	47.8	169.0	32,600 *
225	41.5	168.0	29,300 *	45.9	162.0	30,900 *
230	39.6	160.9	27,800 *	44.0	154.6	29,200 *
235	37.7	153.2	26,300 *	42.0	146.6	27,700 *
240	35.7	144.9	24,900 *			
245	33.5	135.9	23,600 *			
250	31.1	126.0	22,300 *			



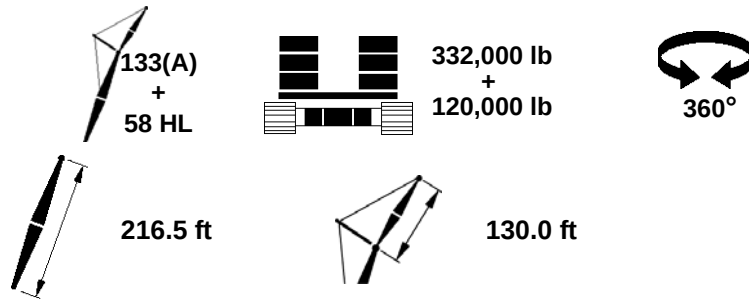
	8°			20°		
	ft	ft	lb	ft	ft	lb
75	81.5	291.3	104,100 *			
80	80.5	290.0	101,300 *			
85	79.5	288.7	98,700 *			
90	78.4	287.2	96,100 *			
95	77.4	285.6	93,700 *			
100	76.4	283.9	91,300 *	81.2	279.8	75,400 *
105	75.3	282.2	89,000 *	80.2	278.0	73,000 *
110	74.3	280.3	86,800 *	79.1	276.1	70,600 *
115	73.2	278.3	84,700 *	78.0	274.1	68,500 *
120	72.2	276.2	82,700 *	76.9	272.0	66,400 *
125	71.1	274.0	80,800 *	75.8	269.7	64,500 *
130	70.0	271.7	78,900 *	74.7	267.4	62,600 *
135	68.9	269.2	74,800	73.6	264.9	60,800 *
140	67.8	266.7	70,500	72.5	262.3	59,100 *
145	66.7	264.0	66,400	71.4	259.6	57,600 *
150	65.6	261.2	62,700	70.2	256.7	56,000 *
155	64.4	258.3	59,300	69.0	253.7	54,600 *
160	63.3	255.2	56,000	67.9	250.6	53,200 *
165	62.1	252.0	53,000	66.7	247.3	52,000 *
170	60.9	248.6	50,200	65.5	243.9	50,700 *
175	59.7	245.1	47,500	64.2	240.3	49,500 *
180	58.5	241.4	45,000	63.0	236.5	48,000
185	57.2	237.5	42,600	61.7	232.6	45,500
190	56.0	233.5	40,400	60.4	228.5	43,100
195	54.7	229.3	38,300	59.1	224.2	40,900
200	53.4	224.9	36,200	57.8	219.7	38,800
205	52.0	220.3	34,300	56.4	214.9	36,700
210	50.7	215.4	32,500	55.0	210.0	34,800
215	49.3	210.4	30,800	53.6	204.7	32,900
220	47.8	205.0	29,100	52.1	199.2	31,200
225	46.3	199.4	27,500	50.5	193.4	29,500
230	44.8	193.5	26,000	49.0	187.3	27,800
235	43.2	187.2	24,600	47.3	180.8	26,300
240	41.6	180.6	23,200	45.6	173.9	24,800
245	39.9	173.5	21,800	43.9	166.6	23,300
250	38.1	166.0	20,600	42.0	158.7	21,900
255	36.2	157.9	19,300			
260	34.3	149.2	18,100			
265	32.2	139.7	16,900			



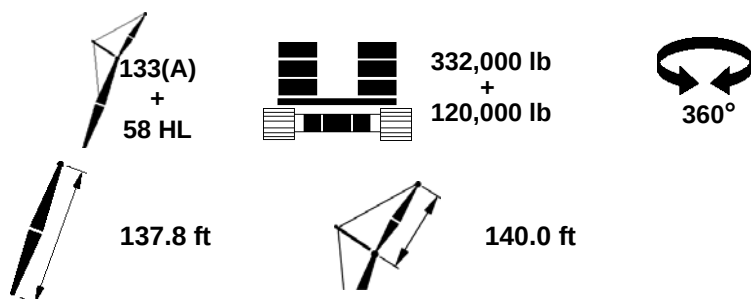
	8°			20°		
ft	o	ft	lb	o	ft	lb
75	81.9	311.6	104,900 *			
80	80.9	310.4	102,300 *			
85	80.0	309.1	99,900 *			
90	79.0	307.7	97,500 *			
95	78.0	306.3	95,200 *			
100	77.1	304.7	93,000 *	81.6	300.5	76,400 *
105	76.1	303.1	90,800 *	80.6	298.9	74,500 *
110	75.1	301.3	88,800 *	79.6	297.1	72,200 *
115	74.1	299.5	86,800 *	78.6	295.2	70,100 *
120	73.2	297.5	84,800 *	77.6	293.3	68,000 *
125	72.2	295.5	83,000 *	76.6	291.2	66,100 *
130	71.2	293.3	77,900	75.6	289.0	64,300 *
135	70.1	291.1	73,200	74.6	286.7	62,600 *
140	69.1	288.7	68,900	73.6	284.3	60,900 *
145	68.1	286.3	64,900	72.5	281.8	59,400 *
150	67.1	283.7	61,100	71.5	279.2	57,900 *
155	66.0	281.0	57,700	70.4	276.5	56,400 *
160	65.0	278.2	54,400	69.3	273.6	55,100 *
165	63.9	275.2	51,400	68.2	270.6	53,800 *
170	62.8	272.2	48,600	67.1	267.5	52,300
175	61.7	269.0	45,900	66.0	264.2	49,400
180	60.6	265.6	43,400	64.9	260.8	46,800
185	59.5	262.2	41,000	63.7	257.3	44,300
190	58.3	258.5	38,800	62.6	253.6	41,900
195	57.2	254.7	36,700	61.4	249.7	39,600
200	56.0	250.8	34,700	60.2	245.7	37,500
205	54.8	246.7	32,800	59.0	241.5	35,400
210	53.6	242.4	30,900	57.7	237.1	33,500
215	52.4	237.9	29,200	56.5	232.5	31,700
220	51.1	233.2	27,600	55.2	227.7	29,900
225	49.8	228.3	26,000	53.8	222.7	28,200
230	48.5	223.2	24,500	52.5	217.4	26,600
235	47.1	217.8	23,000	51.1	211.9	25,100
240	45.8	212.2	21,700	49.7	206.1	23,600
245	44.3	206.3	20,300	48.2	200.0	22,100
250	42.9	200.0	19,100	46.7	193.5	20,800
255	41.3	193.4	17,800	45.1	186.7	19,400
260	39.7	186.5	16,600	43.4	179.4	18,100
265	38.1	179.1	15,500	41.7	171.7	16,900
270	36.4	171.2	14,400			
275	34.6	162.7	13,300			
280	32.6	153.6	12,300			
285	30.6	143.7	11,300			



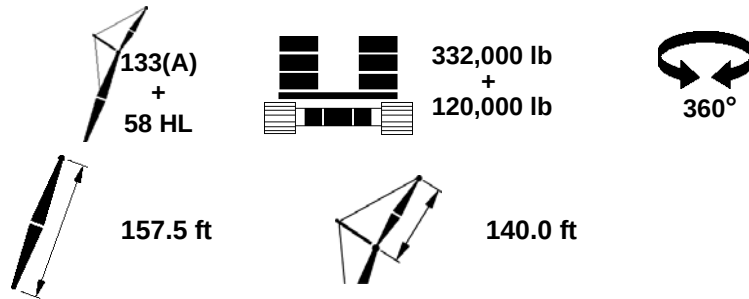
	8°			20°		
	ft	ft	lb	ft	ft	lb
80	81.5	330.6	102,500 *			
85	80.6	329.4	100,200 *			
90	79.7	328.1	98,100 *			
95	78.8	326.7	95,900 *			
100	77.9	325.3	93,900 *			
105	77.0	323.7	91,800 *	81.2	319.3	75,400 *
110	76.1	322.1	89,900 *	80.3	317.7	73,500 *
115	75.1	320.4	88,000 *	79.4	315.9	71,400 *
120	74.2	318.5	86,200 *	78.4	314.1	69,500 *
125	73.3	316.6	81,600	77.5	312.2	67,600 *
130	72.4	314.6	76,400	76.5	310.1	65,800 *
135	71.4	312.6	71,700	75.6	308.0	64,100 *
140	70.5	310.4	67,300	74.6	305.8	62,500 *
145	69.5	308.1	63,300	73.7	303.5	61,000 *
150	68.6	305.7	59,500	72.7	301.0	59,500 *
155	67.6	303.2	56,000	71.7	298.5	58,100 *
160	66.6	300.6	52,800	70.7	295.9	56,800 *
165	65.6	297.9	49,700	69.7	293.1	54,000
170	64.6	295.1	46,900	68.7	290.2	50,900
175	63.6	292.1	44,200	67.7	287.2	48,100
180	62.6	289.1	41,700	66.6	284.1	45,400
185	61.6	285.9	39,300	65.6	280.9	42,900
190	60.5	282.6	37,100	64.5	277.5	40,500
195	59.5	279.1	34,900	63.5	274.0	38,200
200	58.4	275.5	32,900	62.4	270.4	36,100
205	57.3	271.8	31,000	61.3	266.6	34,000
210	56.2	267.9	29,200	60.1	262.6	32,100
215	55.1	263.9	27,400	59.0	258.5	30,200
220	54.0	259.7	25,800	57.9	254.2	28,400
225	52.8	255.3	24,200	56.7	249.7	26,700
230	51.7	250.8	22,700	55.5	245.0	25,100
235	50.5	246.0	21,300	54.2	240.2	23,600
240	49.3	241.1	19,900	53.0	235.1	22,100
245	48.0	235.9	18,600	51.7	229.8	20,600
250	46.7	230.5	17,300	50.4	224.2	19,300
255	45.4	224.8	16,000	49.1	218.4	17,900
260	44.1	218.9	14,900	47.7	212.3	16,700
265	42.7	212.7	13,700	46.2	205.9	15,400
270	41.3	206.1	12,600	44.8	199.1	14,200
275	39.8	199.3	11,600	43.2	191.9	13,100
280	38.3	192.0	10,500	41.6	184.3	11,900
285	36.7	184.2	9,600			
290	35.0	176.0	8,600			
295	33.2	167.1	7,700			



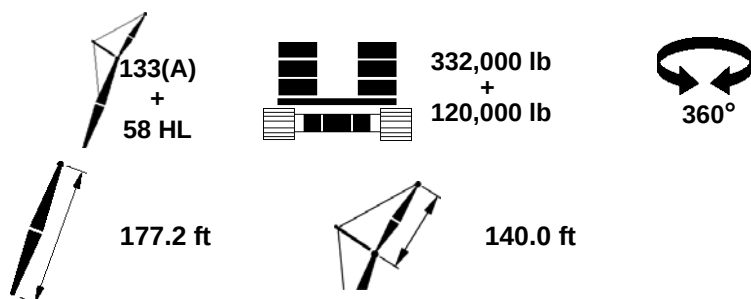
	8°			20°		
ft	o	ft	lb	o	ft	lb
80	82.0	350.7	101,900 *			
85	81.1	349.6	99,700 *			
90	80.3	348.4	97,800 *			
95	79.4	347.1	95,900 *			
100	78.6	345.7	94,000 *			
105	77.7	344.2	92,100 *	81.7	339.7	75,500 *
110	76.9	342.7	90,400 *	80.9	338.2	74,300 *
115	76.0	341.1	88,600 *	80.0	336.5	72,500 *
120	75.1	339.4	85,900	79.1	334.8	70,600 *
125	74.3	337.6	80,300	78.2	333.0	68,800 *
130	73.4	335.7	75,100	77.4	331.1	67,100 *
135	72.5	333.8	70,300	76.5	329.1	65,500 *
140	71.6	331.7	66,000	75.6	327.0	63,900 *
145	70.8	329.6	61,900	74.7	324.9	62,400 *
150	69.9	327.4	58,100	73.8	322.6	61,000 *
155	69.0	325.1	54,600	72.8	320.3	59,600 *
160	68.0	322.6	51,400	71.9	317.8	56,100
165	67.1	320.1	48,300	71.0	315.2	52,900
170	66.2	317.5	45,400	70.1	312.6	49,800
175	65.3	314.8	42,800	69.1	309.8	47,000
180	64.3	311.9	40,200	68.1	306.9	44,200
185	63.4	309.0	37,800	67.2	303.9	41,700
190	62.4	305.9	35,600	66.2	300.8	39,300
195	61.5	302.8	33,400	65.2	297.6	37,000
200	60.5	299.5	31,400	64.2	294.2	34,800
205	59.5	296.1	29,500	63.2	290.8	32,800
210	58.5	292.5	27,700	62.2	287.2	30,800
215	57.5	288.8	25,900	61.2	283.4	29,000
220	56.4	285.0	24,300	60.1	279.5	27,200
225	55.4	281.1	22,700	59.0	275.5	25,500
230	54.3	276.9	21,200	58.0	271.3	23,900
235	53.3	272.7	19,800	56.9	266.9	22,300
240	52.2	268.2	18,400	55.7	262.3	20,800
245	51.0	263.6	17,000	54.6	257.6	19,400
250	49.9	258.8	15,800	53.4	252.7	18,000
255	48.8	253.8	14,500	52.2	247.6	16,700
260	47.6	248.6	13,400	51.0	242.2	15,400
265	46.4	243.2	12,200	49.8	236.6	14,200
270	45.1	237.5	11,100	48.5	230.8	13,000
275	43.9	231.6	10,100	47.2	224.7	11,800
280	42.6	225.4	9,100	45.9	218.3	10,700
285	41.2	218.9	8,100	44.5	211.6	9,700
290	39.8	212.0	7,100	43.0	204.5	8,600
295				41.5	197.0	7,600



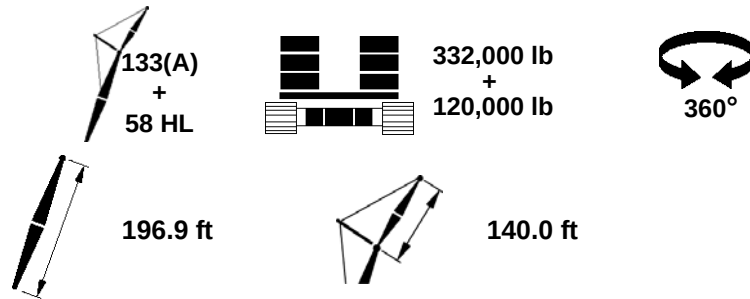
	8°			20°		
	ft	ft	lb	ft	ft	lb
75	81.5	281.5	96,100 *			
80	80.4	280.1	93,300 *			
85	79.4	278.7	90,600 *			
90	78.3	277.2	88,000 *			
95	77.2	275.5	85,500 *			
100	76.2	273.8	83,100 *	81.6	269.8	68,600 *
105	75.1	271.9	80,800 *	80.5	267.9	67,000 *
110	74.0	270.0	78,600 *	79.4	265.9	64,800 *
115	72.9	267.9	76,500 *	78.3	263.9	62,700 *
120	71.8	265.7	74,400 *	77.2	261.6	60,700 *
125	70.6	263.4	72,500 *	76.0	259.3	58,700 *
130	69.5	261.0	70,600 *	74.9	256.8	56,900 *
135	68.4	258.5	68,900 *	73.7	254.3	55,200 *
140	67.2	255.8	66,600 *	72.5	251.5	53,500 *
145	66.1	253.0	64,400 *	71.4	248.7	51,900 *
150	64.9	250.1	62,300 *	70.2	245.7	50,500 *
155	63.7	247.0	60,400 *	68.9	242.6	49,100 *
160	62.5	243.8	57,900	67.7	239.3	47,800 *
165	61.2	240.4	54,900	66.5	235.9	46,400 *
170	60.0	236.9	52,100	65.2	232.2	45,300 *
175	58.7	233.2	49,400	63.9	228.5	44,100 *
180	57.4	229.3	46,900	62.6	224.5	43,000 *
185	56.1	225.2	44,600	61.2	220.3	41,900 *
190	54.8	221.0	42,400	59.9	216.0	41,000 *
195	53.4	216.5	40,200	58.5	211.4	40,000 *
200	52.0	211.8	38,200	57.0	206.6	39,100 *
205	50.6	206.9	36,300	55.6	201.6	38,200 *
210	49.1	201.7	34,500	54.1	196.2	36,700
215	47.6	196.3	32,800	52.5	190.6	34,900
220	46.1	190.5	31,200	50.9	184.7	33,100
225	44.5	184.4	29,600	49.3	178.4	31,400
230	42.8	178.0	28,100	47.5	171.7	29,800
235	41.1	171.1	26,600	45.7	164.5	28,200
240	39.3	163.8	25,200	43.8	156.9	26,700
245	37.4	155.9	23,900	41.9	148.6	25,300
250	35.4	147.4	22,600			
255	33.2	138.2	21,300			
260	30.9	128.1	20,100			



	8°			20°		
ft	o	ft	lb	o	ft	lb
80	81.3	300.3	93,900 *			
85	80.3	298.9	91,500 *			
90	79.3	297.5	89,100 *			
95	78.3	296.0	86,700 *			
100	77.3	294.4	84,500 *			
105	76.3	292.7	82,300 *	81.4	288.3	67,700 *
110	75.3	290.9	80,200 *	80.3	286.5	66,000 *
115	74.3	289.0	78,200 *	79.3	284.5	63,900 *
120	73.3	286.9	76,300 *	78.3	282.5	62,000 *
125	72.2	284.8	74,400 *	77.2	280.3	60,100 *
130	71.2	282.6	72,600 *	76.1	278.1	58,300 *
135	70.1	280.3	70,900 *	75.1	275.7	56,700 *
140	69.1	277.8	69,100 *	74.0	273.2	55,100 *
145	68.0	275.2	66,900 *	72.9	270.6	53,600 *
150	66.9	272.5	63,200 *	71.8	267.9	52,100 *
155	65.8	269.7	59,700 *	70.7	265.0	50,800 *
160	64.7	266.8	56,400 *	69.6	262.0	49,500 *
165	63.6	263.7	53,400 *	68.4	258.9	48,200 *
170	62.5	260.5	50,500 *	67.3	255.6	47,000 *
175	61.3	257.2	47,900 *	66.1	252.2	45,900 *
180	60.2	253.7	45,400 *	64.9	248.6	44,800 *
185	59.0	250.0	43,000 *	63.7	244.9	43,800 *
190	57.8	246.2	40,700 *	62.5	241.0	42,800 *
195	56.6	242.2	38,600 *	61.3	236.9	41,500 *
200	55.3	238.1	36,600 *	60.0	232.7	39,300 *
205	54.1	233.7	34,700 *	58.7	228.2	37,300 *
210	52.8	229.2	32,800 *	57.4	223.5	35,400 *
215	51.5	224.4	31,100 *	56.0	218.7	33,500 *
220	50.1	219.4	29,500 *	54.6	213.5	31,700 *
225	48.8	214.2	27,900 *	53.2	208.1	30,000 *
230	47.3	208.7	26,400 *	51.8	202.5	28,400 *
235	45.9	202.9	24,900 *	50.3	196.5	26,800 *
240	44.4	196.9	23,500 *	48.7	190.2	25,300 *
245	42.8	190.4	22,200 *	47.1	183.6	23,900 *
250	41.2	183.6	20,900 *	45.4	176.5	22,500 *
255	39.6	176.4	19,600 *	43.7	168.9	21,100 *
260	37.8	168.7	18,400 *			
265	36.0	160.4	17,300 *			
270	34.0	151.5	16,200 *			
275	32.0	141.8	15,100 *			



	8°			20°		
	ft	ft	lb	ft	ft	lb
80	81.6	320.6	94,800 *			
85	80.7	319.3	92,500 *			
90	79.8	318.0	90,200 *			
95	78.9	316.6	88,100 *			
100	77.9	315.1	85,900 *			
105	77.0	313.5	83,900 *	81.8	309.0	68,600 *
110	76.0	311.8	81,900 *	80.8	307.3	67,100 *
115	75.1	310.0	80,000 *	79.8	305.5	65,300 *
120	74.1	308.2	78,200 *	78.9	303.6	63,300 *
125	73.2	306.2	76,400 *	77.9	301.6	61,600 *
130	72.2	304.1	74,600 *	76.9	299.5	59,800 *
135	71.2	302.0	73,000 *	75.9	297.3	58,200 *
140	70.3	299.7	69,400 *	74.9	295.0	56,600 *
145	69.3	297.3	65,300 *	73.9	292.6	55,200 *
150	68.3	294.8	61,600 *	72.9	290.0	53,800 *
155	67.3	292.2	58,100 *	71.9	287.4	52,400 *
160	66.3	289.5	54,900 *	70.9	284.7	51,100 *
165	65.2	286.7	51,800 *	69.8	281.8	49,900 *
170	64.2	283.8	49,000 *	68.8	278.8	48,700 *
175	63.1	280.7	46,300 *	67.7	275.7	47,600 *
180	62.1	277.5	43,800 *	66.6	272.4	46,400 *
185	61.0	274.2	41,400 *	65.5	269.0	44,900 *
190	59.9	270.7	39,100 *	64.4	265.5	42,500 *
195	58.8	267.1	37,000 *	63.3	261.8	40,200 *
200	57.7	263.4	35,000 *	62.1	258.0	38,100 *
205	56.6	259.5	33,100 *	61.0	254.0	36,000 *
210	55.4	255.4	31,300 *	59.8	249.8	34,100 *
215	54.3	251.2	29,500 *	58.6	245.5	32,200 *
220	53.1	246.7	27,900 *	57.4	241.0	30,400 *
225	51.8	242.1	26,300 *	56.1	236.2	28,800 *
230	50.6	237.3	24,800 *	54.9	231.3	27,100 *
235	49.3	232.3	23,300 *	53.6	226.1	25,600 *
240	48.0	227.0	22,000 *	52.2	220.7	24,100 *
245	46.7	221.5	20,600 *	50.9	215.0	22,600 *
250	45.3	215.7	19,400 *	49.5	209.1	21,300 *
255	43.9	209.7	18,100 *	48.0	202.8	19,900 *
260	42.5	203.3	16,900 *	46.5	196.2	18,600 *
265	41.0	196.5	15,800 *	44.9	189.2	17,400 *
270	39.4	189.4	14,700 *	43.3	181.7	16,200 *
275	37.8	181.8	13,600 *	41.6	173.8	15,000 *
280	36.1	173.8	12,600 *			
285	34.3	165.1	11,600 *			
290	32.4	155.8	10,600 *			
295	30.4	145.7	9,700 *			



	8°			20°		
ft	o	ft	lb	o	ft	lb
85	81.3	339.6	92,700 *			
90	80.4	338.3	90,600 *			
95	79.5	337.0	88,600 *			
100	78.6	335.6	86,700 *			
105	77.8	334.1	84,800 *			
110	76.9	332.5	82,900 *	81.4	327.8	67,600 *
115	76.0	330.8	81,100 *	80.5	326.1	66,300 *
120	75.1	329.1	79,400 *	79.6	324.3	64,500 *
125	74.2	327.2	77,700 *	78.7	322.4	62,800 *
130	73.3	325.3	76,100 *	77.7	320.5	61,100 *
135	72.4	323.3	72,200	76.8	318.4	59,500 *
140	71.5	321.2	67,800	75.9	316.3	58,000 *
145	70.6	319.0	63,800	75.0	314.0	56,600 *
150	69.6	316.7	60,000	74.0	311.7	55,200 *
155	68.7	314.3	56,500	73.1	309.3	53,900 *
160	67.8	311.7	53,200	72.1	306.7	52,600 *
165	66.8	309.1	50,200	71.1	304.0	51,400 *
170	65.9	306.4	47,300	70.2	301.3	50,200 *
175	64.9	303.6	44,600	69.2	298.4	48,800
180	63.9	300.7	42,100	68.2	295.4	46,100
185	62.9	297.6	39,700	67.2	292.3	43,500
190	61.9	294.4	37,400	66.2	289.1	41,100
195	60.9	291.1	35,300	65.1	285.7	38,800
200	59.9	287.7	33,300	64.1	282.2	36,700
205	58.9	284.1	31,300	63.0	278.6	34,600
210	57.8	280.4	29,500	62.0	274.8	32,700
215	56.8	276.6	27,800	60.9	270.9	30,800
220	55.7	272.6	26,100	59.8	266.8	29,000
225	54.6	268.4	24,500	58.7	262.5	27,300
230	53.5	264.1	23,000	57.5	258.1	25,700
235	52.3	259.6	21,600	56.4	253.5	24,100
240	51.2	254.9	20,200	55.2	248.7	22,600
245	50.0	250.1	18,900	54.0	243.7	21,200
250	48.8	245.0	17,600	52.7	238.5	19,800
255	47.6	239.7	16,300	51.5	233.0	18,500
260	46.3	234.1	15,200	50.2	227.3	17,200
265	45.0	228.4	14,000	48.9	221.3	15,900
270	43.7	222.3	12,900	47.5	215.1	14,700
275	42.4	215.9	11,900	46.1	208.5	13,600
280	40.9	209.3	10,800	44.6	201.5	12,500
285	39.5	202.2	9,800	43.1	194.2	11,400
290	38.0	194.8	8,900			
295	36.4	186.9	7,900			
300	34.8	178.5	7,000			