

Liftcrane Boom Capacities

Boom No. B60:500

with Mast No. M10:503 or Mast No. M11:503

297,800 lb VPC (Variable Position Counterweight)

360 Degree Rating

**MLC300
VPC-MAX
SERIES 1**

 **LIFTING CAPACITIES:** Lifting capacities for various boom lengths and operating radii are for freely suspended loads and may be based on percent of static tipping or strength of structural components. Capacities must be reduced by applicable deducts.

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

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

BOOM BACKWARD STABILITY: Capacities indicated by (b) requires 10,000 lb minimum weight suspended beneath boom point and (c) requires 22,000 lb minimum weight. **Caution: Do not operate in areas indicated by (b) or (c) without required minimum weight.** Boom may not lower and boom hoist wire rope may go slack causing wire rope damage or failure.

OPERATING CONDITIONS: Machine to operate on a firm, level, and uniformly supporting surface. Refer to Boom Rigging **No. 81023382**, Mast Rigging **No. 81025690** or **No. 84045340**, Wire Rope Specification chart **No. 9434-A**, Counterweight Arrangement **No. 9345-A**, and Wind Conditions chart **No. 9435-A**. Crane operator judgment must be used to allow for dynamic load effects of swinging, hoisting or lowering, travel, wind conditions, as well as adverse operating conditions and physical machine depreciation. Refer to the Operator Manual for operating guidelines.

MACHINE TRAVEL: Machine to travel on a firm, level, and uniformly supporting surface. Boom must be within boom angle range shown in capacity chart. Refer to Maximum Allowable Travel Specification chart **No. 9436-A**.

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

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

 **BOOM POINT ELEVATION:** Boom point elevation is vertical distance from ground level to centerline of boom point shaft.

MACHINE EQUIPMENT: Machine equipped with VPC-MAX, 31 ft 10 in. crawlers, 48 in. or 60 in. treads, 30 ft live mast, 98.4 ft mast, 10 part boom hoist reeving, boom support straps, and 297,800 lb VPC.

Consult chart **No. 9478-A** when Jib No. 148 is attached.

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

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

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Refer to Table 1 (with luffing jib backstays stored) and Table 2 (without luffing jib backstays stored) for raising ability with the maximum weight of all load blocks, hooks, weight balls, slings, and hoist lines beneath boom point sheaves. For block weights shown with #, load blocks, hooks, weight balls, and slings must remain on ground until combined weights are within rated capacity of chart. Raising is not permitted in shaded areas of table.

Select counterweight position from Tables 1 or 2 that will allow raising and lowering of boom length. Counterweight position selection may be changed with boom on ground or while boom is within operating range of capacity chart.

Combined weight beneath boom point sheaves must not exceed block weight shown.

Table 1a: With Luffing Jib Backstays

Over End or Side of Crawlers		
Boom Length (ft)	Counterweight Position	
	34.8 ft	48.0 ft
	Block Weight (lb)	
137.8	22,900	22,900
157.5	22,900	22,900
177.2	22,900	22,900
196.9	22,900	22,900
216.5	22,900	22,900
236.2	15,800	22,900
255.9	8,300	22,900
275.5	#	22,900
295.3	#	15,800
315.0	#	#
334.6	#	#
354.3	Raising Not Permitted	#
374.0		#
393.7		#

Table 1b: With Luffing Jib Backstays

Over End of Blocked Crawlers		
Boom Length (ft)	Counterweight Position	
	34.8 ft	48.0 ft
	Block Weight (lb)	
137.8	22,900	22,900
157.5	22,900	22,900
177.2	22,900	22,900
196.9	22,900	22,900
216.5	22,900	22,900
236.2	15,800	22,900
255.9	8,300	22,900
275.5	#	22,900
295.3	#	15,800
315.0	#	#
334.6	#	#
354.3	Raising Not Permitted	#
374.0		#
393.7		#

Warning: Crane must remain in-line with crawlers when raising over end of blocked crawlers until operating radius is within 360 degree chart. Crane tipping or structural damage can occur.

Table 2a: Without Luffing Jib Backstays

Over End or Side of Crawlers		
Boom Length (ft)	Counterweight Position	
	34.8 ft	48.0 ft
	Block Weight (lb)	
137.8	22,900	22,900
157.5	22,900	22,900
177.2	22,900	22,900
196.9	22,900	22,900
216.5	22,900	22,900
236.2	22,900	22,900
255.9	15,800	22,900
275.5	8,300	22,900
295.3	8,300	22,900
315.0	8,300	8,300
334.6	#	#
354.3	Raising Not Permitted	#
374.0		#
393.7		#

Table 2b: Without Luffing Jib Backstays

Over End of Blocked Crawlers		
Boom Length (ft)	Counterweight Position	
	34.8 ft	48.0 ft
	Block Weight (lb)	
137.8	22,900	22,900
157.5	22,900	22,900
177.2	22,900	22,900
196.9	22,900	22,900
216.5	22,900	22,900
236.2	22,900	22,900
255.9	15,800	22,900
275.5	8,300	22,900
295.3	8,300	22,900
315.0	8,300	8,300
334.6	#	#
354.3	#	#
374.0	#	#
393.7	Raising Not Permitted	#

Warning: Crane must remain in-line with crawlers when raising over end of blocked crawlers until operating radius is within 360 degree chart. Crane tipping or structural damage can occur.

Explanation of Symbols



Boom No. B60:500



VPC (Variable Position Counterweight)



360 Degree Rating



Boom Length



Operating Radius
(see page 1)



Boom Angle
(see page 1)



Boom Point Elevation
(see page 1)



Counterweight Position
from Axis of Rotation



Lifting Capacities
(see page 1)

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297,800 lb



360°

137.8 ft				
ft	°	ft	34.8 ft lb	48.0 ft lb
22	84.4	143.9	661,400 ^c	661,400 ^c
24	83.6	143.7	661,400 ^b	661,400 ^b
26	82.7	143.4	661,400 ^b	661,400 ^b
28	81.9	143.1	641,600 ^b	647,900 ^b
30	81.0	142.7	587,100 ^b	629,300 ^b
32	80.2	142.3	540,700 ^b	611,600 ^b
34	79.3	141.9	500,700	596,000
36	78.5	141.5	465,800	596,000
38	77.6	141.0	435,200	596,000
40	76.8	140.5	408,000	596,000
45	74.6	139.1	352,000	518,900
50	72.4	137.4	308,500	447,700
55	70.2	135.6	273,600	392,800
60	68.0	133.5	245,100	349,200
65	65.7	131.2	221,200	313,800
70	63.3	128.7	201,100	284,400
75	61.0	125.9	183,800	259,600
80	58.5	122.8	168,800	238,400
85	56.0	119.4	155,700	220,100
90	53.4	115.7	144,100	204,100
95	50.7	111.5	133,700	190,000
100	47.9	107.0	124,500	177,500
105	45.0	102.0	116,100	166,300
110	41.9	96.4	108,500	156,200
115	38.5	90.2	101,700	147,100
120	34.9	83.1	95,300	138,900
125	31.0	75.0	89,500	131,300
130	26.4	65.2	84,100	124,300
135	20.9	53.0	79,100	117,900

157.5 ft				
ft	°	ft	34.8 ft lb	48.0 ft lb
24	84.4	163.5	613,000 ^b	613,000 ^b
26	83.6	163.3	613,000 ^b	613,000 ^b
28	82.9	163.0	613,000 ^b	613,000 ^b
30	82.2	162.7	587,500 ^b	597,000 ^b
32	81.4	162.3	541,000	581,200
34	80.7	162.0	500,800	566,100
36	79.9	161.6	465,900	551,700
38	79.2	161.2	435,100	551,700
40	78.5	160.7	407,900	551,700
45	76.6	159.5	351,700	519,300
50	74.7	158.1	308,100	447,900
55	72.8	156.5	273,100	392,800
60	70.9	154.8	244,400	349,100
65	68.9	152.8	220,600	313,600
70	66.9	150.6	200,300	284,100
75	64.9	148.3	183,000	259,300
80	62.9	145.7	168,000	238,000
85	60.8	142.8	154,800	219,700
90	58.6	139.8	143,200	203,600
95	56.5	136.4	132,800	189,500
100	54.2	132.8	123,500	177,000
105	51.9	128.9	115,200	165,800
110	49.5	124.6	107,600	155,700
115	47.0	119.9	100,700	146,600
120	44.4	114.8	94,400	138,300
125	41.7	109.2	88,600	130,700
130	38.8	103.0	83,300	123,800
135	35.7	96.1	78,300	117,400
140	32.3	88.3	73,700	111,500
145	28.6	79.3	69,400	106,000
150	24.3	68.7	65,400	100,900
155	19.1	55.2	61,600	96,200

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297,800 lb



360°

177.2 ft				
ft	°	ft	lb	lb
24	85.0	183.3	553,900 ^b	553,900 ^b
26	84.3	183.1	553,900 ^b	553,900 ^b
28	83.7	182.8	553,900 ^b	553,900 ^b
30	83.0	182.6	553,900	553,900
32	82.4	182.3	541,700	550,500
34	81.7	182.0	501,500	537,100
36	81.1	181.6	466,500	524,300
38	80.4	181.2	435,700	512,000
40	79.8	180.9	408,400	512,000
45	78.1	179.8	352,200	512,000
50	76.4	178.5	308,400	448,500
55	74.8	177.1	273,400	393,400
60	73.1	175.6	244,700	349,600
65	71.4	173.9	220,800	314,000
70	69.6	172.0	200,600	284,500
75	67.9	169.9	183,200	259,600
80	66.1	167.7	168,100	238,300
85	64.3	165.3	154,900	219,900
90	62.5	162.6	143,300	203,900
95	60.6	159.8	132,900	189,800
100	58.7	156.7	123,600	177,200
105	56.8	153.4	115,300	166,000
110	54.8	149.9	107,700	155,900
115	52.8	146.1	100,800	146,800
120	50.7	142.0	94,500	138,500
125	48.5	137.5	88,700	130,900
130	46.3	132.7	83,400	124,000
135	44.0	127.6	78,400	117,600
140	41.5	121.9	73,800	111,700
145	39.0	115.8	69,600	106,300
150	36.2	109.0	65,600	101,200
155	33.3	101.5	61,900	96,500
160	30.1	93.0	58,400	92,000
165	26.6	83.3	55,000	87,900
170	22.5	71.8	51,900	84,000
175	17.5	57.1	48,900	80,300

196.9 ft				
ft	°	ft	lb	lb
26	84.9	202.9	500,100	500,100
28	84.3	202.7	500,100	500,100
30	83.7	202.4	500,100	500,100
32	83.2	202.2	500,100	500,100
34	82.6	201.9	500,100	500,100
36	82.0	201.6	465,500	494,300
38	81.4	201.2	434,600	483,500
40	80.8	200.9	407,300	473,000
45	79.3	199.9	350,900	473,000
50	77.8	198.8	307,100	447,900
55	76.3	197.6	272,000	392,700
60	74.8	196.2	243,200	348,800
65	73.3	194.7	219,300	313,200
70	71.8	193.0	199,000	283,600
75	70.2	191.2	181,600	258,700
80	68.6	189.2	166,500	237,400
85	67.1	187.0	153,300	218,900
90	65.5	184.7	141,700	202,900
95	63.8	182.3	131,300	188,700
100	62.2	179.6	122,000	176,100
105	60.5	176.7	113,600	164,900
110	58.8	173.7	106,000	154,800
115	57.1	170.4	99,100	145,700
120	55.3	167.0	92,800	137,400
125	53.5	163.2	87,000	129,800
130	51.6	159.3	81,700	122,900
135	49.7	155.0	76,700	116,500
140	47.7	150.5	72,200	110,600
145	45.7	145.6	67,900	105,100
150	43.6	140.3	63,900	100,000
155	41.4	134.7	60,200	95,300
160	39.1	128.5	56,700	90,900
165	36.7	121.9	53,400	86,800
170	34.1	114.6	50,400	82,900
175	31.3	106.5	47,400	79,200
180	28.3	97.4	44,700	75,800
185	24.9	86.9	42,000	72,500
190	21.0	74.5	39,500	69,400
195	16.2	58.7	37,100	66,500

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297,800 lb



360°

216.5 ft				
ft	°	ft	34.8 ft lb	48.0 ft lb
28	84.8	222.5	449,900	449,900
30	84.3	222.3	449,900	449,900
32	83.8	222.0	449,900	449,900
34	83.2	221.8	449,900	449,900
36	82.7	221.5	449,900	449,900
38	82.2	221.2	434,600	449,900
40	81.6	220.9	407,200	446,700
45	80.3	220.0	350,800	431,800
50	79.0	219.0	306,900	431,800
55	77.6	217.9	271,800	392,800
60	76.2	216.6	243,000	348,900
65	74.9	215.2	219,000	313,200
70	73.5	213.7	198,700	283,600
75	72.1	212.1	181,300	258,600
80	70.7	210.3	166,200	237,300
85	69.3	208.4	153,000	218,800
90	67.8	206.3	141,300	202,700
95	66.4	204.1	130,900	188,600
100	64.9	201.8	121,600	176,000
105	63.4	199.2	113,200	164,800
110	61.9	196.6	105,700	154,600
115	60.4	193.7	98,800	145,500
120	58.9	190.7	92,400	137,200
125	57.3	187.4	86,700	129,600
130	55.7	184.0	81,300	122,700
135	54.1	180.4	76,400	116,300
140	52.4	176.5	71,800	110,400
145	50.7	172.4	67,600	105,000
150	48.9	168.0	63,600	99,900
155	47.1	163.4	59,900	95,200
160	45.2	158.4	56,400	90,800
165	43.3	153.1	53,100	86,600
170	41.3	147.4	50,100	82,800
175	39.2	141.3	47,200	79,100
180	37.0	134.7	44,400	75,700
185	34.7	127.6	41,800	72,400
190	32.3	119.7	39,300	69,400
195	29.6	111.1	37,000	66,500
200	26.7	101.4	34,700	63,700
210	19.8	77.0	30,500	58,500

236.2 ft				
ft	°	ft	34.8 ft lb	48.0 ft lb
30	84.8	242.1	390,100	390,100
32	84.3	241.8	390,100	390,100
34	83.8	241.6	390,100	390,100
36	83.3	241.3	390,100	390,100
38	82.8	241.1	390,100	390,100
40	82.3	240.8	390,100	390,100
45	81.1	240.0	375,300	390,100
50	79.9	239.1	328,400	389,600
55	78.6	238.0	290,900	381,600
60	77.4	236.9	260,100	347,700
65	76.2	235.6	234,500	312,000
70	74.9	234.3	212,900	282,300
75	73.6	232.8	194,300	257,300
80	72.4	231.2	178,100	235,900
85	71.1	229.4	164,000	217,500
90	69.8	227.6	151,600	201,400
95	68.5	225.6	140,500	187,200
100	67.2	223.5	130,600	174,600
105	65.8	221.2	121,600	163,300
110	64.5	218.8	113,500	153,200
115	63.1	216.2	106,200	144,000
120	61.7	213.5	99,400	135,700
125	60.3	210.6	93,300	128,200
130	58.9	207.6	87,600	121,200
135	57.5	204.4	82,300	114,800
140	56.0	201.0	77,400	108,900
145	54.5	197.4	72,900	103,500
150	53.0	193.7	68,700	98,400
155	51.5	189.7	64,700	93,700
160	49.9	185.4	61,000	89,300
165	48.2	181.0	57,600	85,100
170	46.6	176.2	54,300	81,300
175	44.8	171.2	51,200	77,600
180	43.1	165.9	48,300	74,200
185	41.2	160.2	45,600	71,000
190	39.3	154.1	42,900	67,900
195	37.3	147.5	40,500	65,000
200	35.2	140.5	38,100	62,200
210	30.7	124.6	33,700	57,100
220	25.4	105.1	29,600	52,500
230	18.6	79.2	25,900	48,200

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B60



297,800 lb



360°

255.9 ft				
ft	°	ft	lb	lb
32	84.7	261.6	324,700	324,700
34	84.3	261.4	324,700	324,700
36	83.8	261.2	324,700	324,700
38	83.4	260.9	324,700	324,700
40	82.9	260.7	324,700	324,700
45	81.8	259.9	324,700	324,700
50	80.7	259.1	324,700	324,700
55	79.5	258.1	290,400	324,700
60	78.4	257.1	259,500	324,700
65	77.2	255.9	233,900	311,700
70	76.1	254.7	212,100	282,000
75	74.9	253.3	193,500	256,900
80	73.8	251.8	177,300	235,500
85	72.6	250.3	163,200	217,000
90	71.4	248.5	150,700	200,900
95	70.2	246.7	139,600	186,700
100	69.0	244.8	129,700	174,000
105	67.8	242.7	120,700	162,800
110	66.6	240.5	112,600	152,600
115	65.3	238.2	105,200	143,500
120	64.1	235.8	98,500	135,100
125	62.8	233.2	92,300	127,600
130	61.6	230.5	86,600	120,600
135	60.3	227.6	81,400	114,200
140	59.0	224.6	76,500	108,300
145	57.6	221.4	72,000	102,800
150	56.3	218.0	67,700	97,800
155	54.9	214.5	63,800	93,000
160	53.5	210.8	60,100	88,600
165	52.1	206.9	56,600	84,500
170	50.7	202.8	53,400	80,600
175	49.2	198.5	50,300	77,000
180	47.7	193.9	47,400	73,600
185	46.1	189.1	44,700	70,400
190	44.5	184.0	42,100	67,300
195	42.9	178.6	39,600	64,400
200	41.2	172.9	37,200	61,700
210	37.6	160.4	32,900	56,600
220	33.7	146.0	28,900	52,000
230	29.3	129.1	25,200	47,800
240	24.1	108.5	21,800	43,900
250	17.6	81.1	18,600	40,300

275.6 ft				
ft	°	ft	lb	lb
34	84.7	281.2	275,800	275,800
36	84.3	281.0	275,800	275,800
38	83.9	280.8	275,800	275,800
40	83.4	280.5	275,800	275,800
45	82.4	279.8	275,800	275,800
50	81.3	279.1	275,800	275,800
55	80.3	278.2	275,800	275,800
60	79.2	277.2	275,800	275,800
65	78.2	276.1	247,700	275,800
70	77.1	275.0	223,300	275,800
75	76.0	273.7	202,700	255,500
80	75.0	272.4	185,100	234,100
85	73.9	270.9	169,900	215,500
90	72.8	269.3	156,600	199,400
95	71.7	267.7	145,000	185,100
100	70.6	265.9	134,600	172,500
105	69.5	264.0	125,300	161,200
110	68.3	262.0	117,000	151,100
115	67.2	259.9	109,500	141,900
120	66.1	257.6	102,600	133,600
125	64.9	255.3	96,400	126,000
130	63.8	252.8	90,700	119,000
135	62.6	250.2	85,400	112,600
140	61.4	247.4	80,600	106,700
145	60.2	244.6	76,100	101,200
150	59.0	241.5	71,900	96,100
155	57.8	238.4	68,000	91,400
160	56.5	235.0	64,400	87,000
165	55.3	231.6	60,900	82,900
170	54.0	227.9	57,400	79,000
175	52.7	224.1	54,200	75,400
180	51.3	220.1	51,100	71,900
185	50.0	215.9	48,200	68,700
190	48.6	211.4	45,400	65,700
195	47.2	206.8	42,800	62,800
200	45.7	201.9	40,300	60,000
210	42.7	191.4	35,700	55,000
220	39.5	179.6	31,500	50,400
230	36.0	166.3	27,700	46,200
240	32.2	151.2	24,100	42,300
250	28.0	133.4	20,800	38,800
260	23.0	111.7	17,700	35,500
270	16.7	82.9	14,800	32,400

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B60



297,800 lb



360°

295.3 ft				
ft	°	ft	lb	lb
36	84.7	300.8	231,200	231,200
38	84.3	300.6	231,200	231,200
40	83.9	300.4	231,200	231,200
45	82.9	299.7	231,200	231,200
50	81.9	299.0	231,200	231,200
55	80.9	298.2	231,200	231,200
60	80.0	297.3	231,200	231,200
65	79.0	296.3	231,200	231,200
70	78.0	295.2	223,100	231,200
75	77.0	294.0	202,500	231,200
80	76.0	292.8	184,900	231,200
85	75.0	291.4	169,700	215,300
90	74.0	289.9	156,400	199,100
95	72.9	288.4	144,700	184,900
100	71.9	286.7	134,400	172,200
105	70.9	285.0	125,100	160,900
110	69.9	283.1	116,800	150,800
115	68.8	281.2	109,200	141,600
120	67.8	279.1	102,400	133,300
125	66.7	277.0	96,100	125,700
130	65.7	274.7	90,400	118,700
135	64.6	272.3	85,200	112,300
140	63.5	269.8	80,300	106,400
145	62.4	267.1	75,800	100,900
150	61.3	264.4	71,700	95,900
155	60.2	261.5	67,800	91,100
160	59.0	258.5	64,100	86,700
165	57.9	255.3	60,500	82,600
170	56.7	252.0	57,000	78,700
175	55.5	248.6	53,700	75,100
180	54.4	245.0	50,700	71,700
185	53.1	241.2	47,800	68,500
190	51.9	237.3	45,000	65,400
195	50.6	233.2	42,400	62,500
200	49.4	228.9	39,900	59,800
210	46.7	219.7	35,300	54,700
220	44.0	209.6	31,100	50,100
230	41.1	198.4	27,300	45,900
240	38.0	186.0	23,800	42,100
250	34.6	172.0	20,500	38,600
260	31.0	156.1	17,500	35,300
270	26.9	137.4	14,700	32,300
280	22.1	114.7	12,000	29,500
290	15.9	84.4		26,800

315.0 ft				
ft	°	ft	lb	lb
36	85.0	320.6	199,400	199,400
38	84.6	320.4	199,400	199,400
40	84.3	320.2	199,400	199,400
45	83.4	319.6	199,400	199,400
50	82.4	318.9	199,400	199,400
55	81.5	318.1	199,400	199,400
60	80.6	317.3	199,400	199,400
65	79.7	316.4	199,400	199,400
70	78.7	315.3	199,400	199,400
75	77.8	314.2	199,400	199,400
80	76.9	313.1	183,500	199,400
85	75.9	311.8	168,300	199,400
90	75.0	310.4	155,000	197,700
95	74.0	309.0	143,300	183,400
100	73.1	307.5	132,900	170,800
105	72.1	305.8	123,600	159,400
110	71.2	304.1	115,200	149,300
115	70.2	302.3	107,700	140,100
120	69.2	300.4	100,800	131,700
125	68.3	298.4	94,600	124,100
130	67.3	296.3	88,800	117,100
135	66.3	294.0	83,600	110,700
140	65.3	291.7	78,700	104,800
145	64.3	289.3	74,200	99,300
150	63.2	286.8	70,000	94,300
155	62.2	284.1	65,800	89,500
160	61.2	281.3	61,900	85,100
165	60.1	278.5	58,200	81,000
170	59.1	275.5	54,700	77,100
175	58.0	272.3	51,500	73,500
180	56.9	269.0	48,400	70,000
185	55.8	265.6	45,500	66,800
190	54.7	262.1	42,700	63,800
195	53.6	258.4	40,100	60,900
200	52.4	254.5	37,600	58,100
210	50.0	246.3	33,000	53,100
220	47.6	237.3	28,900	48,500
230	45.1	227.6	25,000	44,300
240	42.4	216.9	21,500	40,500
250	39.6	205.1	18,300	37,000
260	36.6	192.0	15,300	33,700
270	33.4	177.4	12,500	30,700
280	29.8	160.7		27,900
290	25.9	141.3		25,300
300	21.2	117.5		22,800
310	15.1	85.8		20,500

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B60



297,800 lb



360°

334.6 ft				
ft	°	ft	lb	lb
38	85.0	340.2	168,100	168,100
40	84.6	340.0	168,100	168,100
45	83.7	339.4	168,100	168,100
50	82.9	338.8	168,100	168,100
55	82.0	338.1	168,100	168,100
60	81.2	337.3	168,100	168,100
65	80.3	336.4	168,100	168,100
70	79.4	335.4	168,100	168,100
75	78.5	334.4	168,100	168,100
80	77.7	333.3	168,100	168,100
85	76.8	332.1	167,700	168,100
90	75.9	330.8	154,400	168,100
95	75.0	329.5	142,700	168,100
100	74.1	328.0	132,300	168,100
105	73.2	326.5	123,000	158,900
110	72.3	324.9	114,700	148,700
115	71.4	323.2	107,100	139,500
120	70.5	321.4	100,300	131,200
125	69.6	319.6	94,000	123,600
130	68.7	317.6	88,300	116,600
135	67.8	315.5	83,000	110,200
140	66.8	313.4	78,200	104,300
145	65.9	311.1	73,600	98,800
150	64.9	308.8	69,200	93,700
155	64.0	306.3	65,000	89,000
160	63.0	303.8	61,100	84,600
165	62.1	301.1	57,400	80,400
170	61.1	298.3	53,900	76,600
175	60.1	295.4	50,700	72,900
180	59.1	292.4	47,600	69,500
185	58.1	289.3	44,700	66,300
190	57.1	286.0	42,000	63,200
195	56.0	282.6	39,400	60,300
200	55.0	279.1	36,900	57,600
210	52.8	271.7	32,300	52,600
220	50.6	263.6	28,100	48,000
230	48.4	254.9	24,300	43,800
240	46.0	245.4	20,800	40,000
250	43.6	235.1	17,600	36,500
260	41.0	223.9	14,600	33,200
270	38.3	211.5	11,800	30,300
280	35.4	197.9		27,500
290	32.2	182.6		24,900
300	28.8	165.2		22,500
310	24.9	144.9		20,200
320	20.4	120.2		18,000

354.3 ft				
ft	°	ft	lb	lb
40	84.9	359.8	147,400	147,400
45	84.1	359.2	147,400	147,400
50	83.3	358.6	147,400	147,400
55	82.5	357.9	147,400	147,400
60	81.7	357.2	147,400	147,400
65	80.8	356.4	147,400	147,400
70	80.0	355.5	147,400	147,400
75	79.2	354.5	147,400	147,400
80	78.4	353.5	147,400	147,400
85	77.5	352.3	147,400	147,400
90	76.7	351.1	147,400	147,400
95	75.9	349.9	141,200	147,400
100	75.0	348.5	130,800	147,400
105	74.2	347.1	121,500	147,000
110	73.3	345.6	113,200	143,000
115	72.5	344.0	105,600	138,000
120	71.6	342.3	98,700	129,600
125	70.8	340.6	92,500	122,000
130	69.9	338.7	86,700	115,000
135	69.1	336.8	81,400	108,600
140	68.2	334.8	76,200	102,700
145	67.3	332.7	71,400	97,200
150	66.4	330.5	66,900	92,100
155	65.5	328.2	62,700	87,400
160	64.6	325.8	58,800	82,900
165	63.7	323.3	55,100	78,800
170	62.8	320.7	51,700	74,900
175	61.9	318.1	48,400	71,300
180	61.0	315.3	45,300	67,900
185	60.1	312.4	42,400	64,600
190	59.1	309.4	39,700	61,600
195	58.2	306.2	37,100	58,700
200	57.2	303.0	34,600	56,000
210	55.2	296.2	30,000	50,900
220	53.2	288.8	25,800	46,300
230	51.2	280.9	22,000	42,200
240	49.0	272.4	18,500	38,300
250	46.8	263.1	15,300	34,900
260	44.6	253.2	12,400	31,600
270	42.2	242.4		28,600
280	39.7	230.6		25,900
290	37.0	217.7		23,300
300	34.2	203.5		20,900
310	31.2	187.5		18,600
320	27.8	169.4		16,500
330	24.1	148.3		14,500
340	19.6	122.6		12,600

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B60



297,800 lb



360°

374.0 ft				
ft	°	ft	34.8 ft lb	48.0 ft lb
45	84.4	379.0	129,200	129,200
50	83.6	378.5	129,200	129,200
55	82.9	377.8	129,200	129,200
60	82.1	377.1	129,200	129,200
65	81.3	376.3	129,200	129,200
70	80.5	375.5	129,200	129,200
75	79.8	374.6	129,200	129,200
80	79.0	373.6	129,200	129,200
85	78.2	372.5	129,100	129,100
90	77.4	371.4	129,000	129,000
95	76.6	370.2	128,900	128,900
100	75.8	368.9	128,700	128,700
105	75.0	367.6	120,900	128,400
110	74.2	366.1	112,500	127,600
115	73.4	364.6	105,000	126,800
120	72.6	363.1	98,100	124,700
125	71.8	361.4	91,800	121,400
130	71.0	359.7	86,000	114,400
135	70.2	357.9	80,400	108,000
140	69.4	356.0	75,300	102,000
145	68.6	354.0	70,500	96,600
150	67.7	351.9	66,000	91,500
155	66.9	349.8	61,800	86,700
160	66.1	347.6	57,900	82,300
165	65.2	345.2	54,200	78,200
170	64.4	342.8	50,700	74,300
175	63.5	340.3	47,500	70,700
180	62.7	337.7	44,400	67,200
185	61.8	335.0	41,500	64,000
190	60.9	332.2	38,800	61,000
195	60.0	329.3	36,200	58,100
200	59.1	326.3	33,700	55,300
210	57.3	320.0	29,100	50,300
220	55.5	313.2	25,000	45,700
230	53.6	305.9	21,200	41,500
240	51.6	298.1	17,700	37,700
250	49.6	289.8	14,500	34,200
260	47.6	280.8	11,500	31,000
270	45.4	271.1		28,000
280	43.2	260.7		25,300
290	40.9	249.4		22,700
300	38.5	237.1		20,300
310	35.9	223.7		18,000
320	33.2	208.8		15,900
330	30.2	192.3		13,900
340	27.0	173.5		12,100
350	23.3	151.6		10,300

393.7 ft				
ft	°	ft	34.8 ft lb	48.0 ft lb
45	84.7	398.8	113,500	113,500
50	84.0	398.3	113,500	113,500
55	83.2	397.7	113,500	113,500
60	82.5	397.0	113,500	113,500
65	81.8	396.3	113,500	113,500
70	81.0	395.5	113,500	113,500
75	80.3	394.6	113,400	113,400
80	79.5	393.7	113,300	113,300
85	78.8	392.6	113,200	113,200
90	78.1	391.6	113,100	113,100
95	77.3	390.4	113,000	113,000
100	76.6	389.2	112,900	112,900
105	75.8	388.0	112,700	112,700
110	75.1	386.6	110,900	112,200
115	74.3	385.2	103,300	111,500
120	73.5	383.7	96,300	110,700
125	72.8	382.1	89,700	109,900
130	72.0	380.5	83,600	108,300
135	71.2	378.8	78,100	105,600
140	70.5	377.0	72,900	100,400
145	69.7	375.1	68,100	94,900
150	68.9	373.2	63,600	89,800
155	68.1	371.2	59,400	85,000
160	67.3	369.1	55,500	80,600
165	66.5	366.9	51,800	76,500
170	65.7	364.6	48,300	72,600
175	64.9	362.3	45,100	68,900
180	64.1	359.8	42,000	65,500
185	63.3	357.3	39,100	62,300
190	62.5	354.7	36,400	59,200
195	61.7	352.0	33,800	56,300
200	60.8	349.2	31,300	53,600
210	59.1	343.3	26,700	48,500
220	57.4	337.0	22,600	44,000
230	55.7	330.2	18,800	39,800
240	53.9	323.0	15,300	36,000
250	52.0	315.3	12,100	32,500
260	50.2	307.1		29,300
270	48.2	298.3		26,300
280	46.2	288.9		23,500
290	44.1	278.8		21,000
300	42.0	267.9		18,600
310	39.7	256.1		16,300
320	37.4	243.3		14,200
330	34.9	229.4		12,200
340	32.2	214.0		10,400