

Liftcrane Boom


Extended Upper Point Capacities

Boom No. B87:505-500
with Mast No. M11:503 and
23.0 ft Extended Upper Boom Point
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 (upper sheave) capacity for liftcrane service with single part whip line from Drum 6 is 30,000 lb. When Drum 2 or Drum 3 is used, capacity with single part whip line is 36,700 lb. In all cases, upper boom point capacities cannot exceed those listed for extended upper boom point (lower sheave) capacity.


Weight of all load blocks, hooks, weight ball, slings, hoist lines, etc., beneath 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.

OPERATING CONDITIONS: Machine to operate on a firm, level, and uniformly supporting surface. Refer to Boom Rigging **No. 80134737**, Mast Rigging **No. 84045340**, Wire Rope Specifications chart **No. 9871-A**, Counterweight Arrangements chart **No. 9345-A**, and Wind Conditions chart **No. 9872-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 Specifications chart **No. 9870-A**.

 **EXTENDED UPPER BOOM POINT OPERATING RADIUS:** Extended upper boom point operating radius is horizontal distance from axis of rotation to center of vertical hoist line or load block.

 **BOOM ANGLE:** Boom angle in degrees ($^{\circ}$) 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.

 **EXTENDED UPPER BOOM POINT ELEVATION:** Extended upper boom point elevation is vertical distance from ground level to centerline of extended upper 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.

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Refer to Table 1 (without luffing jib backstays stored) for raising ability with the maximum weight of all load blocks, hooks, weight ball, slings, and hoist lines beneath extended upper boom point (lower or upper sheaves). For block weights shown with #, load blocks, hooks, weight ball, 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 Table 1 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 extended upper boom point (lower or upper sheaves) must not exceed block weight shown.

Table 1a: Without Luffing Jib Backstays

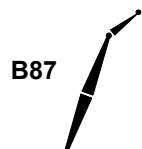
Over End or Side of Crawlers		
Boom Length (ft)	34.8 ft Counterweight Position	48.0 ft Counterweight Position
	Block Weight (lb)	
272.3	10,400	10,400
282.2	10,400	10,400
292.0	8,100	10,400
301.8	4,500	10,400
311.7	#	10,400
321.5	Raising Not Permitted	10,400
331.4		9,200
341.2		5,600
351.0		3,600
360.9		#
370.7		

Table 1b: Without Luffing Jib Backstays

Over End of Blocked Crawlers		
Boom Length (ft)	34.8 ft Counterweight Position	48.0 ft Counterweight Position
	Block Weight (lb)	
272.3	10,400	10,400
282.2	10,400	10,400
292.0	10,400	10,400
301.8	10,100	10,400
311.7	7,500	10,400
321.5	3,900	10,400
331.4	#	10,400
341.2	Raising Not Permitted	10,400
351.0		8,500
360.9		4,900
370.7		#

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.

Explanation of Symbols



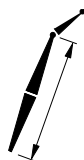
Boom No. B87:505-500



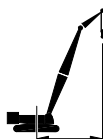
VPC (Variable Position Counterweight)



360 Degree Rating



Boom Length



Extended Upper Boom Point Operating Radius
(see page 1)



Boom Angle
(see page 1)



Extended Upper Boom Point Elevation
(see page 1)



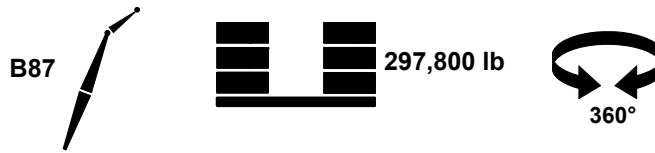
Counterweight Position
from Axis of Rotation



Lifting Capacities
(see page 1)

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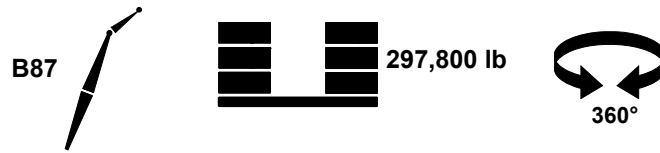


272.3 ft				
ft	ft	ft	lb	lb
55	82.9	295.9	185,000	185,000
56	82.7	295.7	184,600	184,600
58	82.3	295.3	183,700	183,700
60	81.9	295.0	182,700	182,700
62	81.5	294.6	181,800	181,800
64	81.1	294.2	180,800	180,800
66	80.7	293.8	179,900	179,900
68	80.3	293.3	179,000	179,000
70	79.9	292.9	178,000	178,000
72	79.5	292.4	177,000	177,000
74	79.1	291.9	176,100	176,100
76	78.7	291.4	175,200	175,200
78	78.3	290.9	174,200	174,200
80	77.9	290.4	173,300	173,300
85	76.9	289.0	170,900	170,900
90	75.9	287.6	159,900	168,500
95	74.8	286.0	148,000	166,200
100	73.8	284.3	137,400	163,800
105	72.8	282.6	127,900	161,400
110	71.7	280.7	119,400	153,400
115	70.7	278.7	111,600	144,000
120	69.6	276.7	104,600	135,500
125	68.5	274.5	98,300	127,800
130	67.5	272.2	92,400	120,700
135	66.4	269.8	87,000	114,100
140	65.3	267.2	82,000	108,100
145	64.2	264.6	77,400	102,500
150	63.1	261.8	73,100	97,300
155	61.9	258.9	69,200	92,500
160	60.8	255.8	65,400	88,000
165	59.6	252.6	62,000	83,800
170	58.4	249.3	58,600	79,800
175	57.3	245.8	55,200	76,100
180	56.0	242.2	52,100	72,600
185	54.8	238.4	49,100	69,300
190	53.6	234.4	46,200	66,200
195	52.3	230.2	43,500	63,200
200	51.0	225.9	40,900	60,400
205	49.7	221.3	38,500	57,800
210	48.3	216.5	36,100	55,200
215	46.9	211.5	33,900	52,800
220	45.5	206.2	31,800	50,500
225	44.1	200.7	29,700	48,300
230	42.6	194.9	27,800	46,200
235	41.0	188.7	25,900	44,200
240	39.4	182.2	24,100	42,200
245	37.7	175.3	22,300	40,400
250	36.0	167.9	20,600	38,600
252	35.3	164.8	20,000	37,900

282.2 ft				
ft	ft	ft	lb	lb
56	82.9	305.7	187,800	187,800
58	82.5	305.3	187,000	187,000
60	82.2	305.0	186,100	186,100
62	81.8	304.6	185,200	185,200
64	81.4	304.2	184,300	184,300
66	81.0	303.8	183,500	183,500
68	80.6	303.4	182,500	182,500
70	80.2	302.9	181,700	181,700
72	79.8	302.5	180,800	180,800
74	79.5	302.0	179,900	179,900
76	79.1	301.6	179,000	179,000
78	78.7	301.1	178,100	178,100
80	78.3	300.6	177,200	177,200
85	77.3	299.2	172,600	175,000
90	76.3	297.8	159,000	172,700
95	75.3	296.3	147,000	170,400
100	74.3	294.7	136,400	168,200
105	73.3	293.0	126,900	162,700
110	72.3	291.2	118,300	152,300
115	71.3	289.3	110,600	143,000
120	70.3	287.3	103,600	134,500
125	69.3	285.2	97,200	126,700
130	68.2	283.0	91,300	119,600
135	67.2	280.7	85,900	113,100
140	66.2	278.2	80,900	107,000
145	65.1	275.7	76,300	101,400
150	64.0	273.0	72,000	96,200
155	62.9	270.2	68,100	91,400
160	61.8	267.3	64,300	86,900
165	60.7	264.3	60,600	82,700
170	59.6	261.1	57,100	78,700
175	58.5	257.8	53,700	75,000
180	57.3	254.3	50,500	71,500
185	56.2	250.7	47,500	68,200
190	55.0	246.9	44,600	65,100
195	53.8	243.0	41,900	62,100
200	52.5	238.9	39,400	59,300
205	51.3	234.6	36,900	56,600
210	50.0	230.1	34,600	54,100
215	48.7	225.4	32,300	51,700
220	47.4	220.4	30,200	49,400
225	46.0	215.3	28,200	47,200
230	44.6	209.9	26,200	45,100
235	43.2	204.2	24,300	43,100
240	41.7	198.2	22,500	41,100
245	40.2	191.9	20,800	39,300
250	38.6	185.2	19,100	37,500
255	37.0	178.1	17,500	35,800
260	35.3	170.5	15,900	34,100

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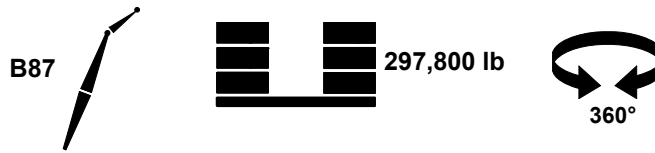


292.0 ft				
ft	ft	ft	lb	lb
57	83.0	315.5	198,500	198,500
58	82.8	315.3	198,100	198,100
60	82.4	315.0	197,400	197,400
62	82.0	314.6	196,600	196,600
64	81.7	314.2	195,800	195,800
66	81.3	313.8	195,100	195,100
68	80.9	313.4	194,200	194,200
70	80.5	313.0	193,400	193,400
72	80.2	312.6	192,600	192,600
74	79.8	312.1	191,700	191,700
76	79.4	311.7	191,000	191,000
78	79.0	311.2	191,000	191,000
80	78.7	310.7	186,800	191,000
85	77.7	309.4	171,200	191,000
90	76.8	308.1	157,500	191,000
95	75.8	306.6	145,500	185,600
100	74.9	305.1	134,800	172,700
105	73.9	303.4	125,300	161,100
110	72.9	301.7	116,700	150,700
115	71.9	299.8	109,000	141,400
120	71.0	297.9	101,900	132,800
125	70.0	295.9	95,500	125,000
130	69.0	293.8	89,600	117,900
135	68.0	291.5	84,200	111,400
140	67.0	289.2	79,200	105,300
145	65.9	286.7	74,600	99,700
150	64.9	284.2	70,300	94,500
155	63.9	281.5	66,000	89,700
160	62.8	278.7	62,000	85,100
165	61.8	275.8	58,200	80,900
170	60.7	272.8	54,600	76,900
175	59.6	269.6	51,200	73,200
180	58.5	266.3	48,000	69,700
185	57.4	262.8	45,000	66,400
190	56.3	259.2	42,100	63,300
195	55.1	255.5	39,400	60,300
200	54.0	251.6	36,800	57,500
205	52.8	247.5	34,400	54,800
210	51.6	243.3	32,100	52,300
215	50.4	238.8	29,800	49,900
220	49.1	234.2	27,700	47,600
225	47.8	229.4	25,700	45,400
230	46.5	224.3	23,700	43,300
235	45.2	219.0	21,800	41,200
240	43.8	213.4	20,000	39,300
245	42.4	207.6	18,300	37,500
250	41.0	201.4	16,600	35,700
255	39.5	195.0	15,000	34,000
260	37.9	188.1	13,500	32,300
265	36.3	180.9	12,000	30,700
268	35.3	176.3	11,100	29,800

301.8 ft				
ft	ft	ft	lb	lb
59	82.8	325.1	209,100	209,100
60	82.6	324.9	209,100	209,100
62	82.3	324.6	209,100	209,100
64	81.9	324.2	209,100	209,100
66	81.6	323.8	209,100	209,100
68	81.2	323.5	209,100	209,100
70	80.8	323.1	209,100	209,100
72	80.5	322.6	209,100	209,100
74	80.1	322.2	207,900	209,100
76	79.7	321.8	200,100	209,100
78	79.4	321.3	192,800	209,100
80	79.0	320.8	185,900	209,100
85	78.1	319.6	170,200	209,100
90	77.2	318.3	156,500	199,200
95	76.3	316.9	144,500	184,600
100	75.3	315.4	133,800	171,700
105	74.4	313.8	124,300	160,100
110	73.5	312.1	115,700	149,700
115	72.5	310.3	107,900	140,300
120	71.6	308.5	100,900	131,700
125	70.6	306.5	94,400	124,000
130	69.7	304.5	88,500	116,800
135	68.7	302.3	83,100	110,300
140	67.7	300.1	78,100	104,200
145	66.7	297.7	73,400	98,600
150	65.7	295.2	68,800	93,400
155	64.7	292.7	64,400	88,500
160	63.7	290.0	60,400	84,000
165	62.7	287.2	56,600	79,800
170	61.7	284.3	53,000	75,800
175	60.7	281.2	49,600	72,100
180	59.6	278.1	46,400	68,600
185	58.5	274.8	43,400	65,200
190	57.5	271.3	40,500	62,100
195	56.4	267.8	37,800	59,100
200	55.3	264.0	35,300	56,300
205	54.1	260.2	32,800	53,700
210	53.0	256.1	30,500	51,100
215	51.8	251.9	28,200	48,700
220	50.7	247.6	26,100	46,400
225	49.5	243.0	24,100	44,200
230	48.2	238.2	22,100	42,100
235	47.0	233.2	20,300	40,100
240	45.7	228.0	18,500	38,200
245	44.4	222.6	16,700	36,300
250	43.0	216.9	15,100	34,500
255	41.6	210.9	13,500	32,800
260	40.2	204.6	11,900	31,200
265	38.7	198.0	10,400	29,600
270	37.2	191.0		28,100
275	35.6	183.6		26,600
276	35.3	182.0		26,300

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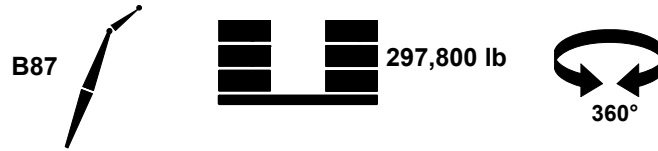


311.7 ft				
ft	ft	ft	lb	lb
60	82.9	334.9	220,500	220,500
62	82.5	334.6	220,500	220,500
64	82.2	334.2	220,500	220,500
66	81.8	333.9	220,500	220,500
68	81.5	333.5	220,500	220,500
70	81.1	333.1	220,500	220,500
72	80.8	332.7	216,100	219,800
74	80.4	332.3	207,700	218,400
76	80.1	331.8	199,900	217,100
78	79.7	331.4	192,600	215,800
80	79.4	330.9	185,600	214,500
85	78.5	329.7	170,000	211,300
90	77.6	328.4	156,300	198,900
95	76.7	327.1	144,200	184,300
100	75.8	325.6	133,500	171,400
105	74.9	324.1	124,000	159,800
110	74.0	322.5	115,400	149,400
115	73.1	320.8	107,600	140,000
120	72.1	319.0	100,600	131,400
125	71.2	317.1	94,100	123,700
130	70.3	315.1	88,200	116,500
135	69.4	313.0	82,800	109,900
140	68.4	310.8	77,800	103,900
145	67.5	308.6	72,900	98,300
150	66.5	306.2	68,300	93,100
155	65.6	303.7	64,000	88,200
160	64.6	301.1	59,900	83,700
165	63.6	298.5	56,100	79,400
170	62.6	295.7	52,500	75,500
175	61.6	292.7	49,100	71,700
180	60.6	289.7	45,900	68,200
185	59.6	286.5	42,900	64,900
190	58.6	283.3	40,100	61,800
195	57.5	279.8	37,300	58,800
200	56.5	276.3	34,800	56,000
205	55.4	272.6	32,300	53,300
210	54.3	268.7	30,000	50,800
215	53.2	264.8	27,800	48,400
220	52.1	260.6	25,600	46,100
225	50.9	256.3	23,600	43,900
230	49.8	251.8	21,600	41,800
235	48.6	247.1	19,800	39,800
240	47.4	242.2	18,000	37,800
245	46.2	237.1	16,300	36,000
250	44.9	231.7	14,600	34,200
255	43.6	226.1	13,000	32,500
260	42.3	220.3	11,500	30,900
265	40.9	214.2	10,000	29,300
270	39.5	207.7		27,800
275	38.1	201.0		26,300
280	36.6	193.8		24,900
284	35.3	187.8		23,800

321.5 ft				
ft	ft	ft	lb	lb
61	82.9	344.7	216,000	216,000
62	82.7	344.6	216,000	216,000
64	82.4	344.2	216,000	216,000
66	82.1	343.9	216,000	216,000
68	81.7	343.5	216,000	216,000
70	81.4	343.1	214,800	214,800
72	81.0	342.7	212,500	212,500
74	80.7	342.3	206,800	210,300
76	80.3	341.9	199,000	208,000
78	80.0	341.5	191,600	205,700
80	79.7	341.0	184,700	203,500
85	78.8	339.9	169,000	197,900
90	77.9	338.6	155,300	192,500
95	77.1	337.3	143,200	183,300
100	76.2	335.9	132,500	170,300
105	75.3	334.4	122,900	158,700
110	74.5	332.8	114,300	148,300
115	73.6	331.2	106,500	138,900
120	72.7	329.4	99,500	130,300
125	71.8	327.6	93,000	122,500
130	70.9	325.7	87,100	115,400
135	70.0	323.7	81,700	108,800
140	69.1	321.6	76,300	102,700
145	68.2	319.4	71,300	97,100
150	67.3	317.1	66,700	91,900
155	66.3	314.7	62,300	87,000
160	65.4	312.2	58,300	82,500
165	64.4	309.6	54,500	78,300
170	63.5	306.9	50,900	74,300
175	62.5	304.1	47,500	70,600
180	61.6	301.2	44,300	67,000
185	60.6	298.2	41,300	63,700
190	59.6	295.0	38,400	60,600
195	58.6	291.7	35,700	57,600
200	57.6	288.3	33,100	54,800
205	56.6	284.8	30,700	52,200
210	55.5	281.1	28,300	49,600
215	54.5	277.3	26,100	47,200
220	53.4	273.4	24,000	44,900
225	52.3	269.2	22,000	42,700
230	51.2	265.0	20,000	40,600
235	50.1	260.5	18,200	38,600
240	49.0	255.9	16,400	36,700
245	47.8	251.1	14,600	34,800
250	46.6	246.0	13,000	33,000
255	45.4	240.8	11,400	31,300
260	44.1	235.3		29,700
265	42.9	229.6		28,100
270	41.6	223.6		26,600
280	38.8	210.8		23,700
290	35.9	196.5		21,100
293	35.0	191.9		20,300

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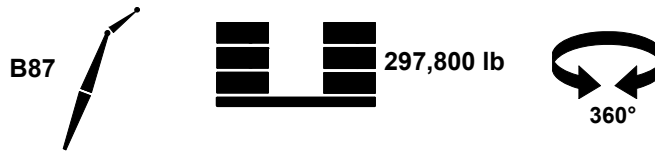


331.4 ft				
ft	ft	ft	lb	lb
62	82.9	354.5	209,200	209,200
64	82.6	354.2	209,200	209,200
66	82.3	353.8	209,200	209,200
68	81.9	353.5	209,200	209,200
70	81.6	353.1	209,200	209,200
72	81.3	352.7	209,200	209,200
74	81.0	352.3	206,600	208,200
76	80.6	351.9	198,800	205,900
78	80.3	351.5	191,400	203,700
80	80.0	351.1	184,500	201,500
85	79.1	350.0	168,800	196,000
90	78.3	348.8	155,000	190,700
95	77.4	347.5	142,900	183,100
100	76.6	346.1	132,200	170,100
105	75.8	344.7	122,600	158,500
110	74.9	343.1	114,000	148,000
115	74.1	341.5	106,200	138,600
120	73.2	339.9	99,200	130,000
125	72.3	338.1	92,700	122,200
130	71.5	336.2	86,800	115,100
135	70.6	334.3	81,200	108,500
140	69.7	332.3	75,800	102,400
145	68.8	330.1	70,800	96,800
150	67.9	327.9	66,200	91,600
155	67.0	325.6	61,800	86,700
160	66.1	323.2	57,800	82,200
165	65.2	320.7	54,000	77,900
170	64.3	318.1	50,400	74,000
175	63.4	315.4	47,000	70,200
180	62.4	312.6	43,800	66,700
185	61.5	309.7	40,800	63,400
190	60.6	306.6	37,900	60,300
195	59.6	303.5	35,200	57,300
200	58.6	300.2	32,600	54,500
205	57.6	296.8	30,200	51,800
210	56.6	293.3	27,900	49,300
215	55.6	289.7	25,600	46,900
220	54.6	285.9	23,500	44,600
225	53.6	282.0	21,500	42,400
230	52.5	277.9	19,500	40,300
235	51.5	273.6	17,700	38,200
240	50.4	269.2	15,900	36,300
245	49.3	264.7	14,200	34,500
250	48.2	259.9	12,500	32,700
255	47.0	255.0	10,900	31,000
260	45.8	249.8		29,400
265	44.6	244.5		27,800
270	43.4	238.9		26,300
280	40.9	226.9		23,400
290	38.2	213.8		20,700
300	35.3	199.2		18,200
301	35.0	197.7		18,000

341.2 ft				
ft	ft	ft	lb	lb
63	83.0	364.3	202,800	202,800
64	82.8	364.2	202,800	202,800
66	82.5	363.8	202,800	202,800
68	82.2	363.5	202,600	202,600
70	81.8	363.1	200,300	200,300
72	81.5	362.7	198,100	198,100
74	81.2	362.4	195,900	195,900
76	80.9	362.0	193,600	193,600
78	80.6	361.6	190,500	191,400
80	80.2	361.1	183,500	189,200
85	79.4	360.1	167,800	183,900
90	78.6	358.9	154,000	178,500
95	77.8	357.6	141,900	173,400
100	77.0	356.3	131,200	168,400
105	76.2	354.9	121,600	157,400
110	75.3	353.4	112,900	146,900
115	74.5	351.9	105,100	137,500
120	73.7	350.2	98,000	128,900
125	72.8	348.5	91,600	121,100
130	72.0	346.7	85,400	113,900
135	71.1	344.8	79,600	107,300
140	70.3	342.9	74,200	101,300
145	69.4	340.8	69,200	95,600
150	68.6	338.7	64,500	90,400
155	67.7	336.5	60,200	85,500
160	66.8	334.1	56,100	81,000
165	66.0	331.7	52,300	76,800
170	65.1	329.2	48,700	72,800
175	64.2	326.6	45,300	69,000
180	63.3	323.9	42,100	65,500
185	62.4	321.1	39,100	62,200
190	61.5	318.1	36,300	59,100
195	60.5	315.1	33,500	56,100
200	59.6	312.0	31,000	53,300
205	58.6	308.7	28,500	50,600
210	57.7	305.3	26,200	48,100
215	56.7	301.8	24,000	45,600
220	55.7	298.2	21,800	43,300
225	54.8	294.4	19,800	41,100
230	53.8	290.6	17,900	39,000
235	52.7	286.5	16,000	37,000
240	51.7	282.3	14,200	35,100
245	50.7	278.0	12,500	33,300
250	49.6	273.5	10,800	31,500
255	48.5	268.8		29,800
260	47.4	263.9		28,200
265	46.3	258.8		26,600
270	45.1	253.6		25,100
280	42.7	242.3		22,200
290	40.2	230.1		19,500
300	37.6	216.7		17,000
309	35.0	203.4		14,900

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351.0 ft			34.8 ft		48.0 ft	
ft	ft	ft	lb	lb	lb	lb
65	82.9	374.0	194,800	194,800		
66	82.7	373.8	194,800	194,800		
68	82.4	373.5	194,800	194,800		
70	82.1	373.1	194,800	194,800		
72	81.8	372.8	194,800	194,800		
74	81.4	372.4	194,700	194,700		
76	81.1	372.0	192,600	192,600		
78	80.8	371.6	190,500	190,500		
80	80.5	371.2	183,500	188,300		
85	79.7	370.1	167,800	183,000		
90	78.9	369.0	154,000	177,900		
95	78.1	367.8	141,900	172,800		
100	77.3	366.5	131,200	167,800		
105	76.5	365.1	121,600	157,400		
110	75.7	363.7	112,900	146,900		
115	74.9	362.2	105,100	137,500		
120	74.1	360.6	98,000	128,900		
125	73.3	358.9	91,500	121,100		
130	72.5	357.2	85,300	113,900		
135	71.7	355.4	79,500	107,300		
140	70.8	353.5	74,100	101,200		
145	70.0	351.5	69,100	95,600		
150	69.2	349.4	64,400	90,400		
155	68.3	347.2	60,100	85,500		
160	67.5	345.0	56,000	81,000		
165	66.6	342.6	52,200	76,700		
170	65.8	340.2	48,600	72,700		
175	64.9	337.7	45,200	69,000		
180	64.1	335.1	42,000	65,500		
185	63.2	332.4	39,000	62,100		
190	62.3	329.5	36,100	59,000		
195	61.4	326.6	33,400	56,000		
200	60.5	323.6	30,900	53,200		
205	59.6	320.4	28,400	50,500		
210	58.7	317.2	26,100	48,000		
215	57.7	313.8	23,800	45,600		
220	56.8	310.4	21,700	43,300		
225	55.8	306.7	19,700	41,100		
230	54.9	303.0	17,800	39,000		
235	53.9	299.1	15,900	37,000		
240	52.9	295.1	14,100	35,100		
245	51.9	291.0	12,400	33,200		
250	50.9	286.7	10,700	31,500		
255	49.9	282.2		29,800		
260	48.8	277.6		28,100		
265	47.8	272.8		26,600		
270	46.7	267.8		25,000		
280	44.4	257.2		22,200		
290	42.1	245.8		19,500		
300	39.6	233.3		17,000		
310	37.0	219.6		14,700		
317	35.1	209.2		13,100		

360.9 ft			34.8 ft		48.0 ft	
ft	ft	ft	lb	lb	lb	lb
66	82.9	383.8	184,600	184,600		
68	82.6	383.4	184,600	184,600		
70	82.3	383.1	184,600	184,600		
72	82.0	382.7	184,600	184,600		
74	81.7	382.4	184,000	184,000		
76	81.4	382.0	181,900	181,900		
78	81.1	381.6	179,900	179,900		
80	80.7	381.2	177,800	177,800		
85	80.0	380.2	166,800	172,600		
90	79.2	379.1	153,000	167,500		
95	78.4	377.9	140,800	162,500		
100	77.7	376.7	130,100	157,800		
105	76.9	375.3	120,500	153,100		
110	76.1	373.9	111,800	145,800		
115	75.3	372.5	104,000	136,400		
120	74.5	370.9	96,800	127,800		
125	73.8	369.3	89,900	119,900		
130	73.0	367.6	83,600	112,700		
135	72.2	365.8	77,800	106,100		
140	71.4	364.0	72,400	100,000		
145	70.6	362.1	67,400	94,400		
150	69.7	360.1	62,800	89,200		
155	68.9	358.0	58,400	84,300		
160	68.1	355.8	54,300	79,800		
165	67.3	353.5	50,500	75,500		
170	66.5	351.2	46,900	71,500		
175	65.6	348.7	43,500	67,800		
180	64.8	346.2	40,300	64,200		
185	63.9	343.5	37,300	60,900		
190	63.1	340.8	34,400	57,800		
195	62.2	338.0	31,700	54,800		
200	61.3	335.1	29,200	52,000		
205	60.5	332.1	26,700	49,300		
210	59.6	328.9	24,400	46,800		
215	58.7	325.7	22,100	44,400		
220	57.8	322.3	20,000	42,000		
225	56.9	318.9	18,000	39,800		
230	55.9	315.3	16,000	37,700		
235	55.0	311.6	14,200	35,700		
240	54.1	307.7	12,400	33,800		
245	53.1	303.7	10,700	32,000		
250	52.1	299.6		30,200		
255	51.1	295.4		28,500		
260	50.1	290.9		26,900		
265	49.1	286.4		25,300		
270	48.1	281.6		23,800		
275	47.0	276.7		22,300		
280	46.0	271.6		20,900		
290	43.8	260.8		18,300		
300	41.4	249.1		15,800		
310	39.0	236.4		13,400		
320	36.4	222.4		11,200		

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B87



297,800 lb



360°

ft	ft	ft	lb	lb
67	82.9	393.6	175,200	175,200
68	82.8	393.4	175,200	175,200
70	82.5	393.1	175,200	175,200
72	82.2	392.7	175,200	175,200
74	81.9	392.4	175,100	175,100
76	81.6	392.0	173,000	173,000
78	81.3	391.6	170,900	170,900
80	81.0	391.3	169,000	169,000
85	80.2	390.3	163,800	163,800
90	79.5	389.2	152,700	158,800
95	78.7	388.0	140,500	154,000
100	78.0	386.8	129,700	149,300
105	77.2	385.5	120,100	144,800
110	76.5	384.2	111,500	140,400
115	75.7	382.7	103,500	136,000
120	74.9	381.2	96,200	127,400
125	74.2	379.7	89,400	119,600
130	73.4	378.0	83,100	112,400
135	72.6	376.3	77,200	105,800
140	71.9	374.5	71,900	99,700
145	71.1	372.6	66,900	94,000
150	70.3	370.7	62,200	88,800
155	69.5	368.6	57,800	83,900
160	68.7	366.5	53,800	79,400
165	67.9	364.3	49,900	75,100
170	67.1	362.0	46,300	71,100
175	66.3	359.7	42,900	67,400
180	65.5	357.2	39,700	63,800
185	64.7	354.7	36,700	60,500
190	63.8	352.0	33,900	57,400
195	63.0	349.3	31,100	54,400
200	62.1	346.5	28,600	51,600
205	61.3	343.6	26,100	48,900
210	60.4	340.5	23,800	46,400
215	59.6	337.4	21,600	43,900
220	58.7	334.2	19,400	41,600
225	57.8	330.8	17,400	39,400
230	56.9	327.4	15,500	37,300
235	56.0	323.8	13,600	35,300
240	55.1	320.1	11,800	33,400
245	54.2	316.3	10,100	31,600
250	53.3	312.3		29,800
255	52.3	308.3		28,100
260	51.4	304.0		26,500
265	50.4	299.7		24,900
270	49.4	295.1		23,400
275	48.4	290.5		21,900
280	47.4	285.6		20,500
290	45.3	275.4		17,900
300	43.1	264.3		15,400
310	40.8	252.4		13,100
320	38.4	239.4		10,700