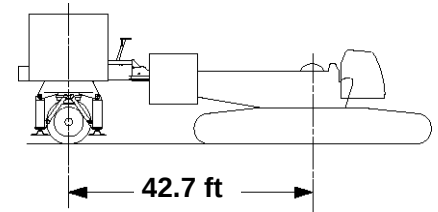




Liftcrane Boom Capacities

Boom No. 58 HL with 98.4 ft Mast No. 59A
332,000 lb Crane Counterweight
120,000 lb Carbody Counterweight
0 lb thru 511,400 lb Wheeled Counterweight
at 42.7 ft Position
360 Degree Rating

16000 MAX-ER



LIFTING CAPACITIES: Lifting capacities for various boom lengths and 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 (*).

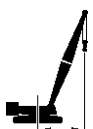
Wheeled counterweight must be attached to machine and MAX-ER mode must be selected to operate. Swing and travel (forward or side crawl) requires proper position of counterweight wheels when contacting ground. Refer to Operator's Manual for wheel positioning. Exit MAX-ER mode before operating without wheeled counterweight.

Standard upper boom point capacity for liftcrane service with single part whip line is 30,000 lb or 60,000 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 point sheaves, is considered part of main boom 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 in a level position on a firm uniformly supporting surface with mast up. Refer to boom rigging **No. A14546**, Wire Rope Specification chart **No. 8745-A**, 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.

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 Swing and Travel Specification chart **No. 8746-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 MAX-ER, 34 ft crawlers, 60 in. treads, 32 ft live mast, 98.4 ft mast, 12 part boom hoist reeving, boom support straps, 332,000 lb crane counterweight, two 30,000 lb and four 15,000 lb carbody counterweights and wheeled counterweight as specified.

WARNING: Check amount of crane counterweight and wheeled counterweight on machine before use of this chart. Refer to Operator's Manual for counterweight identification.

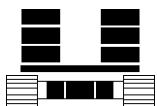
Maximum Boom Length Lifted Unassisted	
Over End of Blocked Crawlers	Over Side or End of Unblocked Crawlers
With 0 lb Wheeled Counterweight	
315.0 ft	295.3 ft
With 159,400 lb Wheeled Counterweight	
393.7 ft	374.0 ft
Over Side or End of Unblocked Crawlers	
With 335,400 lb Wheeled Counterweight	With 511,400 lb Wheeled Counterweight
393.7 ft	393.7 ft
Load block, hook and weight ball on ground at start.	

Boom Catwalks Deduct

Deduct 1,200 lb from capacities when boom catwalks are attached.

Explanation of Symbols

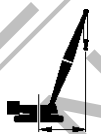
58 HL  Boom No. 58 Heavy Lift Top

 Crane Counterweight
+
Carbody Counterweight

 360° 360 Degree Rating

 Wheeled Counterweight
Position From Axis of
Rotation

 Boom Length

 Operating Radius
(see page 1)

 Boom Angle
(see page 1)

 Boom Point Elevation
(see page 1)

 Wheeled Counterweight

 Lifting Capacities
(see page 1)

16000 MAX-ER

ANSI B30.5



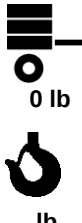
332,000 lb
+
120,000 lb



42.7 ft



137.8 ft

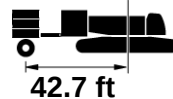
 ft		 ft	 0 lb lb	 159,400 lb lb	 335,400 lb lb	 511,400 lb lb	 ft
26	82.8	145.0	738,600 *	837,400 *	837,400 *	837,400 *	26
28	82.0	144.7	687,300 *	837,400 *	837,400 *	837,400 *	28
30	81.1	144.3	642,400 *	794,200 *	837,400 *	837,400 *	30
32	80.3	143.9	602,700 *	745,600 *	837,400 *	837,400 *	32
34	79.5	143.5	565,700 *	702,500 *	837,400 *	837,400 *	34
36	78.6	143.1	530,300 *	663,800 *	803,700 *	837,400 *	36
38	77.7	142.6	497,600 *	629,000 *	761,900 *	837,400 *	38
40	76.9	142.1	464,600	597,500 *	724,100 *	837,400 *	40
45	74.7	140.7	388,100	530,400 *	643,600 *	756,300 *	45
50	72.5	139.1	331,900	476,200 *	578,500 *	680,400 *	50
55	70.3	137.2	288,900	429,300 *	524,800 *	617,800 *	55
60	68.1	135.2	254,900	389,200 *	479,700 *	565,200 *	60
65	65.8	132.9	227,400	353,700	441,400 *	520,500 *	65
70	63.5	130.3	204,600	319,900	408,300 *	481,900 *	70
75	61.1	127.5	185,400	291,600	379,500 *	448,400 *	75
80	58.6	124.4	169,100	267,400	354,200 *	418,900 *	80
85	56.1	121.0	154,900	246,500	331,800 *	392,800 *	85
90	53.5	117.3	142,600	228,300	311,200 *	369,500 *	90
95	50.8	113.2	131,800	212,300	292,500 *	348,600 *	95
100	48.0	108.7	122,200	198,100	275,600 *	329,700 *	100
105	45.1	103.7	113,600	185,400	260,500 *	312,600 *	105
110	42.0	98.1	105,900	174,000	246,700 *	297,000 *	110
115	38.7	91.8	98,900	163,700	234,100 *	282,700 *	115
120	35.1	84.8	92,500	154,300	221,600	269,600 *	120
125	31.1	76.6	86,700	145,800	210,000	257,500 *	125
130	26.5	66.9	81,400	137,900	199,500	246,300 *	130
135	21.0	54.6	76,400	130,600	189,700	230,800 *	135

16000 MAX-ER

ANSI B30.5



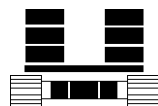
332,000 lb
+
120,000 lb



 ft	 °	 ft	 0 lb  lb	 159,400 lb  lb	 335,400 lb  lb	 511,400 lb  lb	 ft
28	83.0	164.6	686,200 *	749,700 *	749,700 *	749,700 *	28
30	82.3	164.3	641,300 *	749,700 *	749,700 *	749,700 *	30
32	81.5	164.0	601,600 *	744,600 *	749,700 *	749,700 *	32
34	80.8	163.6	565,000 *	701,400 *	749,700 *	749,700 *	34
36	80.0	163.2	529,600 *	662,700 *	749,700 *	749,700 *	36
38	79.3	162.8	498,100 *	627,900 *	749,700 *	749,700 *	38
40	78.6	162.4	465,200	596,400 *	723,000 *	749,700 *	40
45	76.7	161.1	388,500	529,300 *	642,500 *	749,700 *	45
50	74.8	159.7	332,100	475,100 *	577,400 *	679,300 *	50
55	72.9	158.2	288,900	428,400 *	523,700 *	616,700 *	55
60	71.0	156.4	254,800	388,300 *	478,600 *	564,100 *	60
65	69.0	154.4	227,200	353,500	440,200 *	519,400 *	65
70	67.0	152.3	204,300	319,600	407,200 *	480,800 *	70
75	65.0	149.9	185,000	291,200	378,400 *	447,300 *	75
80	63.0	147.3	168,600	266,900	353,100 *	417,800 *	80
85	60.9	144.5	154,500	246,000	330,700 *	391,700 *	85
90	58.7	141.4	142,100	227,800	310,200 *	368,400 *	90
95	56.6	138.1	131,300	211,700	291,500 *	347,500 *	95
100	54.3	134.4	121,600	197,500	274,700 *	328,600 *	100
105	52.0	130.5	113,000	184,800	259,500 *	311,500 *	105
110	49.6	126.2	105,300	173,400	245,700 *	295,900 *	110
115	47.1	121.5	98,300	163,100	233,100 *	281,700 *	115
120	44.5	116.4	91,900	153,700	221,000	268,600 *	120
125	41.8	110.8	86,100	145,200	209,500	256,500 *	125
130	38.9	104.6	80,800	137,300	198,900	245,300 *	130
135	35.8	97.7	75,900	130,100	189,200	234,900 *	135
140	32.4	89.9	71,400	123,500	180,200	225,200 *	140
145	28.7	81.0	67,200	117,300	171,900	216,200 *	145
150	24.4	70.3	63,200	111,500	164,200	207,800 *	150

16000 MAX-ER

ANSI B30.5



332,000 lb
+
120,000 lb



360°



42.7 ft



177.2 ft

 ft	 °	 ft	 0 lb lb	 159,400 lb lb	 335,400 lb lb	 511,400 lb lb	 ft
32	82.5	183.9	600,200 *	688,600 *	688,600 *	688,600 *	32
34	81.8	183.6	564,000 *	688,100 *	688,100 *	688,100 *	34
36	81.2	183.2	528,500 *	661,300 *	687,200 *	687,200 *	36
38	80.5	182.9	497,000 *	626,500 *	687,200 *	687,200 *	38
40	79.9	182.5	465,300	595,000 *	686,400 *	686,400 *	40
45	78.2	181.4	388,400	527,900 *	641,100 *	686,100 *	45
50	76.5	180.2	331,900	473,700 *	576,000 *	675,600 *	50
55	74.9	178.8	288,600	427,300 *	522,300 *	615,300 *	55
60	73.2	177.2	254,400	387,200 *	477,200 *	562,700 *	60
65	71.5	175.5	226,600	352,900	438,900 *	518,000 *	65
70	69.7	173.6	203,700	319,100	405,800 *	479,500 *	70
75	68.0	171.6	184,400	290,600	377,000 *	445,900 *	75
80	66.2	169.3	167,900	266,300	351,800 *	416,400 *	80
85	64.4	166.9	153,800	245,300	329,400 *	390,300 *	85
90	62.6	164.3	141,400	227,000	309,000 *	367,100 *	90
95	60.7	161.4	130,500	211,000	290,300 *	346,200 *	95
100	58.8	158.4	120,800	196,700	273,500 *	327,300 *	100
105	56.9	155.1	112,200	184,000	258,300 *	310,200 *	105
110	54.9	151.5	104,500	172,600	244,500 *	294,700 *	110
115	52.9	147.7	97,500	162,200	232,000 *	280,400 *	115
120	50.8	143.6	91,100	152,900	220,100	267,300 *	120
125	48.6	139.2	85,300	144,300	208,600	255,200 *	125
130	46.4	134.4	80,000	136,500	198,100	244,100 *	130
135	44.1	129.2	75,100	129,300	188,300	233,700 *	135
140	41.6	123.6	70,500	122,700	179,400	224,000 *	140
145	39.1	117.4	66,400	116,500	171,100	215,100 *	145
150	36.3	110.6	62,500	110,800	163,400	206,600 *	150
160	30.2	94.7	55,400	100,500	149,500	191,300 *	160
170	22.6	73.4	49,200	91,400	137,300	177,500 *	170

16000 MAX-ER

ANSI B30.5

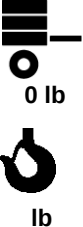
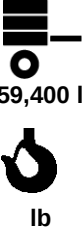
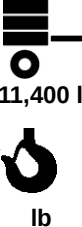


332,000 lb
+
120,000 lb



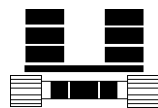
42.7 ft

196.9 ft

 ft	 °	 ft	 0 lb lb	 159,400 lb lb	 335,400 lb lb	 511,400 lb lb	 ft
34	82.6	203.5	562,700 *	623,600 *	623,600 *	623,600 *	34
36	82.1	203.2	527,300 *	623,200 *	623,200 *	623,200 *	36
38	81.5	202.9	495,800 *	622,700 *	622,700 *	622,700 *	38
40	80.9	202.5	465,200	593,400 *	622,600 *	622,600 *	40
45	79.4	201.6	388,100	526,300 *	614,100 *	614,100 *	45
50	77.9	200.4	331,400	472,100 *	574,400 *	605,400 *	50
55	76.4	199.2	288,000	425,900 *	520,700 *	596,400 *	55
60	74.9	197.8	253,600	385,800 *	475,600 *	561,200 *	60
65	73.4	196.3	225,800	352,000 *	437,300 *	516,400 *	65
70	71.8	194.6	202,800	318,200	404,200 *	477,900 *	70
75	70.3	192.8	183,500	289,700	375,500 *	444,300 *	75
80	68.7	190.8	167,000	265,300	350,200 *	414,900 *	80
85	67.1	188.7	152,800	244,300	327,800 *	388,800 *	85
90	65.5	186.4	140,400	226,000	307,600 *	365,500 *	90
95	63.9	183.9	129,500	209,900	288,900 *	344,600 *	95
100	62.3	181.2	119,800	195,700	272,100 *	325,800 *	100
105	60.6	178.4	111,100	182,900	256,900 *	308,700 *	105
110	58.9	175.3	103,400	171,500	243,100 *	293,100 *	110
115	57.2	172.1	96,400	161,200	230,600 *	278,900 *	115
120	55.4	168.6	90,000	151,800	219,000	265,800 *	120
125	53.6	164.9	84,200	143,200	207,500	253,700 *	125
130	51.7	160.9	78,800	135,400	196,900	242,600 *	130
135	49.8	156.6	73,900	128,200	187,200	232,200 *	135
140	47.8	152.1	69,400	121,500	178,300	222,600 *	140
145	45.8	147.2	65,200	115,400	170,000	213,600 *	145
150	43.7	142.0	61,300	109,700	162,300	205,200 *	150
160	39.2	130.2	54,300	99,400	148,400	189,900 *	160
170	34.2	116.2	48,200	90,300	136,300	176,300 *	170
180	28.4	99.0	42,700	82,300	125,500	163,900 *	180
190	21.1	76.2	37,700	75,200	115,900	152,800 *	190

16000 MAX-ER

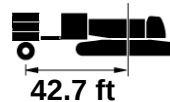
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332,000 lb
+
120,000 lb



360°



42.7 ft



216.5 ft

 ft	 °	 ft	 0 lb lb	 159,400 lb lb	 335,400 lb lb	 511,400 lb lb	 ft
36	82.8	223.1	526,900 *	553,800 *	553,800 *	553,800 *	36
38	82.3	222.8	495,400 *	553,800 *	553,800 *	553,800 *	38
40	81.7	222.5	465,800	553,800 *	553,800 *	553,800 *	40
45	80.4	221.6	388,400	525,600 *	553,100 *	553,100 *	45
50	79.0	220.6	331,600	471,400 *	545,600 *	545,600 *	50
55	77.7	219.5	288,100	425,500 *	520,100 *	538,200 *	55
60	76.3	218.2	253,700	385,300 *	475,000 *	530,800 *	60
65	74.9	216.9	225,900	351,600 *	436,700 *	515,800 *	65
70	73.6	215.4	202,800	318,200	403,700 *	477,300 *	70
75	72.2	213.7	183,500	289,600	374,900 *	443,800 *	75
80	70.8	211.9	166,900	265,300	349,600 *	414,300 *	80
85	69.3	210.0	152,700	244,200	327,300 *	388,200 *	85
90	67.9	208.0	140,300	225,900	307,200 *	365,000 *	90
95	66.5	205.8	129,300	209,800	288,500 *	344,100 *	95
100	65.0	203.4	119,600	195,500	271,700 *	325,300 *	100
105	63.5	200.9	111,000	182,800	256,500 *	308,200 *	105
110	62.0	198.2	103,200	171,300	242,700 *	292,600 *	110
115	60.5	195.3	96,200	161,000	230,100 *	278,400 *	115
120	58.9	192.3	89,800	151,600	218,600 *	265,300 *	120
125	57.4	189.1	84,000	143,000	207,300	253,200 *	125
130	55.8	185.6	78,700	135,200	196,800	242,100 *	130
135	54.1	182.0	73,800	128,000	187,000	231,700 *	135
140	52.5	178.1	69,200	121,300	178,100	222,100 *	140
145	50.7	174.0	65,100	115,200	169,800	213,200 *	145
150	49.0	169.6	61,200	109,500	162,100	204,800 *	150
160	45.3	160.0	54,200	99,200	148,200	189,500 *	160
170	41.4	149.1	48,000	90,200	136,100	176,000 *	170
180	37.1	136.4	42,600	82,200	125,400	163,700 *	180
190	32.3	121.4	37,700	75,100	115,900	152,600 *	190
200	26.8	103.0	33,300	68,800	107,400	142,700 *	200
210	19.8	78.6	29,300	63,000	99,600	132,900 *	210

16000 MAX-ER

ANSI B30.5

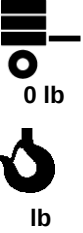
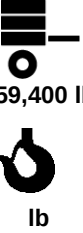


332,000 lb
+
120,000 lb



42.7 ft

236.2 ft

 ft	 °	 ft	 0 lb lb	 159,400 lb lb	 335,400 lb lb	 511,400 lb lb	 ft
38	82.9	242.7	493,900 *	502,300 *	502,300 *	502,300 *	38
40	82.4	242.4	465,300	502,300 *	502,300 *	502,300 *	40
45	81.2	241.6	387,800	497,600 *	497,600 *	497,600 *	45
50	80.0	240.7	330,900	469,600 *	491,500 *	491,500 *	50
55	78.7	239.7	287,200	423,900 *	485,400 *	485,400 *	55
60	77.5	238.5	252,800	383,700 *	473,200 *	479,200 *	60
65	76.2	237.3	224,800	350,000 *	434,900 *	473,000 *	65
70	75.0	235.9	201,700	317,100	401,900 *	466,900 *	70
75	73.7	234.4	182,300	288,500	373,100 *	442,000 *	75
80	72.4	232.8	165,700	264,100	347,900 *	412,500 *	80
85	71.1	231.1	151,500	243,000	325,500 *	386,500 *	85
90	69.8	229.2	139,000	224,700	305,500 *	363,200 *	90
95	68.5	227.2	128,100	208,500	286,800 *	342,300 *	95
100	67.2	225.1	118,300	194,200	270,000 *	323,500 *	100
105	65.9	222.8	109,700	181,500	254,900 *	306,400 *	105
110	64.5	220.4	101,900	170,000	241,100 *	290,900 *	110
115	63.2	217.9	94,800	159,600	228,500 *	276,600 *	115
120	61.8	215.1	88,500	150,200	217,000 *	263,600 *	120
125	60.4	212.3	82,600	141,700	206,000	251,500 *	125
130	59.0	209.2	77,300	133,800	195,400	240,400 *	130
135	57.5	206.0	72,400	126,600	185,700	230,000 *	135
140	56.1	202.7	67,900	120,000	176,700	220,400 *	140
145	54.6	199.1	63,700	113,800	168,400	211,500 *	145
150	53.1	195.3	59,800	108,100	160,700	203,100 *	150
160	49.9	187.1	52,800	97,800	146,900	187,900 *	160
170	46.6	177.9	46,600	88,800	134,700	174,400 *	170
180	43.1	167.5	41,200	80,900	124,100	162,100 *	180
190	39.4	155.7	36,300	73,800	114,600	151,100 *	190
200	35.3	142.1	32,000	67,400	106,000	141,200 *	200
210	30.7	126.2	28,100	61,700	98,300	132,200 *	210
220	25.4	106.7	24,400	56,500	91,400	124,000 *	220
230	18.7	80.8	21,100	51,700	84,900	114,600 *	230

16000 MAX-ER

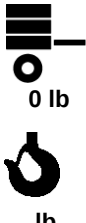
ANSI B30.5



332,000 lb
+
120,000 lb



255.9 ft

 ft	 °	 ft	 0 lb lb	 159,400 lb lb	 335,400 lb lb	 511,400 lb lb	 ft
40	83.0	262.3	452,300 *	452,300 *	452,300 *	452,300 *	40
45	81.9	261.6	387,600	449,300 *	449,300 *	449,300 *	45
50	80.7	260.7	330,500	445,500 *	445,500 *	445,500 *	50
55	79.6	259.8	286,700	422,900 *	441,600 *	441,600 *	55
60	78.5	258.7	252,200	382,700 *	437,800 *	437,800 *	60
65	77.3	257.6	224,200	348,800 *	433,700 *	434,000 *	65
70	76.1	256.3	201,000	316,400	400,600 *	430,300 *	70
75	75.0	254.9	181,500	287,700	371,900 *	426,600 *	75
80	73.8	253.5	164,900	263,300	346,600 *	411,300 *	80
85	72.6	251.9	150,600	242,200	324,200 *	385,200 *	85
90	71.5	250.2	138,100	223,800	304,300 *	361,900 *	90
95	70.3	248.4	127,200	207,600	285,700 *	341,100 *	95
100	69.1	246.4	117,400	193,300	268,900 *	322,200 *	100
105	67.9	244.4	108,700	180,500	253,700 *	305,200 *	105
110	66.6	242.2	100,900	169,000	239,900 *	289,600 *	110
115	65.4	239.9	93,900	158,700	227,300 *	275,400 *	115
120	64.2	237.4	87,500	149,300	215,800 *	262,300 *	120
125	62.9	234.8	81,700	140,700	205,000	250,300 *	125
130	61.6	232.1	76,300	132,800	194,400	239,100 *	130
135	60.3	229.2	71,400	125,600	184,700	228,800 *	135
140	59.0	226.2	66,900	119,000	175,700	219,200 *	140
145	57.7	223.0	62,700	112,800	167,400	210,200 *	145
150	56.3	219.7	58,800	107,100	159,700	201,900 *	150
160	53.6	212.4	51,800	96,800	145,900	186,600 *	160
170	50.7	204.4	45,600	87,800	133,800	173,200 *	170
180	47.7	195.5	40,200	79,900	123,100	161,000 *	180
190	44.6	185.6	35,400	72,800	113,600	150,000 *	190
200	41.2	174.5	31,000	66,500	105,100	140,100 *	200
210	37.6	162.0	27,100	60,800	97,400	131,100 *	210
220	33.7	147.6	23,600	55,600	90,500	123,000 *	220
230	29.3	130.7	20,300	50,900	84,100	115,500 *	230
240	24.2	110.2	17,300	46,500	78,300	108,600 *	240
250	17.7	82.8	14,100 *	42,500	72,900	98,800 *	250

16000 MAX-ER

ANSI B30.5

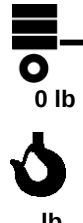


332,000 lb
+
120,000 lb



42.7 ft

275.6 ft

 ft	 °	 ft	 0 lb lb	 159,400 lb lb	 335,400 lb lb	 511,400 lb lb	 ft
45	82.5	281.5	386,900	390,300 *	390,300 *	390,300 *	45
50	81.4	280.7	329,600	390,300 *	390,300 *	390,300 *	50
55	80.3	279.8	285,800	390,300 *	390,300 *	390,300 *	55
60	79.3	278.9	251,100	381,000 *	390,300 *	390,300 *	60
65	78.2	277.8	223,000	347,200 *	390,300 *	390,300 *	65
70	77.2	276.6	199,800	315,200	386,100 *	386,100 *	70
75	76.1	275.4	180,300	286,400	370,000 *	380,100 *	75
80	75.0	274.0	163,600	261,900	344,700 *	374,300 *	80
85	73.9	272.5	149,300	240,800	322,400 *	368,800 *	85
90	72.8	271.0	136,800	222,400	302,400 *	360,100 *	90
95	71.7	269.3	125,800	206,200	283,900 *	339,200 *	95
100	70.6	267.5	116,000	191,900	267,100 *	320,400 *	100
105	69.5	265.6	107,300	179,100	251,900 *	303,300 *	105
110	68.4	263.6	99,500	167,600	238,200 *	287,800 *	110
115	67.3	261.5	92,400	157,200	225,600 *	273,500 *	115
120	66.1	259.2	86,000	147,800	214,100 *	260,500 *	120
125	65.0	256.9	80,200	139,200	203,500	248,400 *	125
130	63.8	254.4	74,800	131,300	192,900	237,300 *	130
135	62.7	251.8	69,900	124,100	183,200	227,000 *	135
140	61.5	249.1	65,300	117,400	174,200	217,400 *	140
145	60.3	246.2	61,100	111,300	165,900	208,400 *	145
150	59.1	243.2	57,200	105,600	158,200	200,000 *	150
160	56.6	236.7	50,200	95,300	144,300	184,800 *	160
170	54.0	229.6	44,100	86,300	132,200	171,400 *	170
180	51.4	221.7	38,700	78,300	121,500	159,300 *	180
190	48.6	213.1	33,800	71,300	112,000	148,300 *	190
200	45.8	203.6	29,500	64,900	103,500	138,400 *	200
210	42.7	193.0	25,600	59,200	95,900	129,400 *	210
220	39.5	181.2	22,000	54,100	88,900	121,300 *	220
230	36.1	168.0	18,800	49,400	82,600	113,800 *	230
240	32.3	152.8	15,700 *	45,000	76,800	107,000 *	240
250	28.1	135.0	12,300 *	41,100	71,500	100,700 *	250
260	23.1	113.4	9,100 *	37,400	66,600	94,800 *	260
270	16.8	84.5		33,300 *	62,000	84,800 *	270

16000 MAX-ER

ANSI B30.5



332,000 lb
+
120,000 lb



295.3 ft

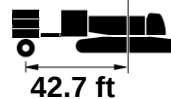
 ft	 °	 ft	 lb	 lb	 lb	 lb	 ft
45	83.0	301.4	327,200 *	327,200 *	327,200 *	327,200 *	45
50	82.0	300.6	327,200 *	327,200 *	327,200 *	327,200 *	50
55	81.0	299.8	285,300	327,200 *	327,200 *	327,200 *	55
60	80.0	298.9	250,600	327,200 *	327,200 *	327,200 *	60
65	79.0	297.9	222,400	327,200 *	327,200 *	327,200 *	65
70	78.0	296.8	199,200	314,500	327,200 *	327,200 *	70
75	77.0	295.7	179,600	285,800	324,100 *	324,100 *	75
80	76.0	294.4	163,000	261,300	319,100 *	319,100 *	80
85	75.0	293.0	148,600	240,100	314,300 *	314,300 *	85
90	74.0	291.6	136,100	221,700	301,400 *	309,700 *	90
95	73.0	290.0	125,000	205,500	283,000 *	305,200 *	95
100	72.0	288.4	115,300	191,100	266,200 *	300,800 *	100
105	71.0	286.6	106,600	178,300	251,000 *	296,500 *	105
110	69.9	284.8	98,700	166,800	237,200 *	286,700 *	110
115	68.9	282.8	91,700	156,400	224,600 *	272,500 *	115
120	67.8	280.8	85,200	147,000	213,100 *	259,500 *	120
125	66.8	278.6	79,400	138,400	202,600 *	247,400 *	125
130	65.7	276.3	74,000	130,600	192,100	236,300 *	130
135	64.6	273.9	69,100	123,300	182,400	226,000 *	135
140	63.5	271.4	64,600	116,700	173,400	216,400 *	140
145	62.4	268.8	60,400	110,500	165,100	207,400 *	145
150	61.3	266.0	56,500	104,800	157,400	199,100 *	150
160	59.1	260.1	49,400	94,500	143,500	183,900 *	160
170	56.8	253.7	43,300	85,500	131,400	170,400 *	170
180	54.4	246.6	37,900	77,500	120,700	158,400 *	180
190	52.0	238.9	33,000	70,500	111,200	147,400 *	190
200	49.4	230.5	28,700	64,200	102,800	137,500 *	200
210	46.8	221.3	24,800	58,500	95,100	128,600 *	210
220	44.0	211.2	21,300	53,300	88,200	120,400 *	220
230	41.1	200.0	18,100	48,600	81,900	113,000 *	230
240	38.0	187.6	14,700 *	44,300	76,100	106,200 *	240
250	34.7	173.6	11,400 *	40,400	70,800	99,900 *	250
260	31.0	157.7	8,300 *	36,600 *	66,000	94,100 *	260
270	26.9	139.1		32,600 *	61,400	88,700 *	270
280	22.1	116.4		28,900 *	57,200	82,600 *	280
290	15.9	86.1		25,300 *	53,200	73,300 *	290

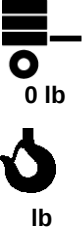
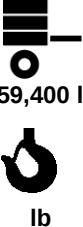
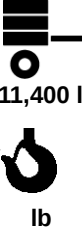
16000 MAX-ER

ANSI B30.5



332,000 lb
+
120,000 lb



 ft	 °	 ft	 lb	 lb	 lb	 lb	 ft
50	82.5	320.5	279,800 *	279,800 *	279,800 *	279,800 *	50
55	81.6	319.8	279,800 *	279,800 *	279,800 *	279,800 *	55
60	80.6	318.9	249,400	279,800 *	279,800 *	279,800 *	60
65	79.7	318.0	221,200	279,800 *	279,800 *	279,800 *	65
70	78.8	317.0	197,900	279,800 *	279,800 *	279,800 *	70
75	77.9	315.9	178,200	279,800 *	279,800 *	279,800 *	75
80	76.9	314.7	161,500	259,800	279,800 *	279,800 *	80
85	76.0	313.4	147,100	238,600	279,800 *	279,800 *	85
90	75.0	312.1	134,500	220,200	279,800 *	279,800 *	90
95	74.1	310.6	123,500	203,900	279,500 *	279,500 *	95
100	73.1	309.1	113,700	189,600	264,200 *	278,900 *	100
105	72.2	307.5	104,900	176,700	249,100 *	277,400 *	105
110	71.2	305.7	97,100	165,200	235,300 *	276,000 *	110
115	70.3	303.9	90,000	154,800	222,700 *	270,500 *	115
120	69.3	302.0	83,600	145,300	211,200 *	257,400 *	120
125	68.3	300.0	77,700	136,700	200,600 *	245,400 *	125
130	67.3	297.9	72,300	128,900	190,400	234,300 *	130
135	66.3	295.7	67,400	121,600	180,700	223,900 *	135
140	65.3	293.4	62,800	114,900	171,700	214,300 *	140
145	64.3	290.9	58,600	108,800	163,300	205,400 *	145
150	63.3	288.4	54,700	103,000	155,600	197,000 *	150
160	61.2	283.0	47,700	92,700	141,800	181,900 *	160
170	59.1	277.1	41,500	83,700	129,600	168,400 *	170
180	56.9	270.7	36,100	75,800	119,000	156,400 *	180
190	54.7	263.7	31,300	68,700	109,500	145,400 *	190
200	52.4	256.1	26,900	62,400	101,000	135,600 *	200
210	50.1	247.9	23,000	56,700	93,300	126,600 *	210
220	47.7	239.0	19,500	51,500	86,400	118,500 *	220
230	45.1	229.2	15,900 *	46,900	80,100	111,100 *	230
240	42.4	218.5	12,300 *	42,600	74,400	104,300 *	240
250	39.6	206.7	9,000 *	38,500 *	69,100	98,000 *	250
260	36.6	193.7		34,300 *	64,200	92,200 *	260
270	33.4	179.0		30,400 *	59,700	86,900 *	270
280	29.9	162.4		26,700 *	55,500	81,900 *	280
290	25.9	142.9		23,200 *	51,400 *	77,200 *	290
300	21.2	119.2		19,900 *	47,100 *	69,700 *	300
310	15.2	87.4		16,700 *	43,000 *	61,500 *	310

16000 MAX-ER

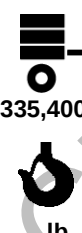
ANSI B30.5



332,000 lb
+
120,000 lb



334.6 ft

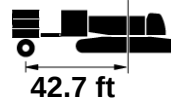
 ft	 °	 ft	 159,400 lb lb	 335,400 lb lb	 511,400 lb lb	 ft
50	82.9	340.4	237,700 *	237,700 *	237,700 *	50
55	82.1	339.7	237,700 *	237,700 *	237,700 *	55
60	81.2	338.9	237,700 *	237,700 *	237,700 *	60
65	80.3	338.0	237,700 *	237,700 *	237,700 *	65
70	79.5	337.1	237,700 *	237,700 *	237,700 *	70
75	78.6	336.0	237,500 *	237,500 *	237,500 *	75
80	77.7	334.9	237,400 *	237,400 *	237,400 *	80
85	76.8	333.7	237,100 *	237,100 *	237,100 *	85
90	75.9	332.5	219,300	237,000 *	237,000 *	90
95	75.1	331.1	203,000	235,800 *	235,800 *	95
100	74.2	329.7	188,600	234,500 *	234,500 *	100
105	73.3	328.1	175,800	233,300 *	233,300 *	105
110	72.4	326.5	164,200	232,000 *	232,000 *	110
115	71.5	324.9	153,800	221,600 *	230,700 *	115
120	70.6	323.1	144,400	210,100 *	229,400 *	120
125	69.6	321.2	135,700	199,500 *	228,200 *	125
130	68.7	319.2	127,900	189,400	226,900 *	130
135	67.8	317.2	120,600	179,600	222,700 *	135
140	66.9	315.0	113,900	170,700	213,100 *	140
145	65.9	312.7	107,700	162,300	204,200 *	145
150	65.0	310.4	102,000	154,600	195,800 *	150
160	63.1	305.4	91,700	140,700	180,700 *	160
170	61.1	299.9	82,700	128,600	167,200 *	170
180	59.1	294.0	74,700	117,900	155,300 *	180
190	57.1	287.7	67,700	108,400	144,300 *	190
200	55.0	280.8	61,400	100,000	134,400 *	200
210	52.9	273.3	55,700	92,300	125,500 *	210
220	50.7	265.2	50,500	85,400	117,400 *	220
230	48.4	256.5	45,800	79,100	110,000 *	230
240	46.1	247.1	41,600	73,400	103,200 *	240
250	43.6	236.8	37,200 *	68,100	97,000 *	250
260	41.0	225.5	33,000 *	63,200	91,200 *	260
270	38.3	213.2	29,100 *	58,700	85,800 *	270
280	35.4	199.5	25,400 *	54,600	80,800 *	280
290	32.3	184.2	22,000 *	50,200 *	76,200 *	290
300	28.8	166.8	18,800 *	46,000 *	71,800 *	300
310	25.0	146.5	15,700 *	42,100 *	66,700 *	310
320	20.4	121.8	12,800 *	38,300 *	59,600 *	320

16000 MAX-ER

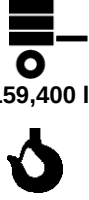
ANSI B30.5



332,000 lb
+
120,000 lb



354.3 ft

 ft	 °	 ft	 159,400 lb	 335,400 lb	 511,400 lb	 ft
55	82.5	359.6	205,100 *	205,100 *	205,100 *	55
60	81.7	358.8	205,000 *	205,000 *	205,000 *	60
65	80.9	358.0	204,900 *	204,900 *	204,900 *	65
70	80.1	357.1	204,700 *	204,700 *	204,700 *	70
75	79.2	356.1	204,700 *	204,700 *	204,700 *	75
80	78.4	355.1	204,400 *	204,400 *	204,400 *	80
85	77.6	354.0	203,800 *	203,800 *	203,800 *	85
90	76.7	352.8	202,700 *	202,700 *	202,700 *	90
95	75.9	351.5	201,500	201,600 *	201,600 *	95
100	75.1	350.1	187,100	200,400 *	200,400 *	100
105	74.2	348.7	174,200	199,300 *	199,300 *	105
110	73.4	347.2	162,600	198,200 *	198,200 *	110
115	72.5	345.6	152,200	197,100 *	197,100 *	115
120	71.7	344.0	142,800	195,900 *	195,900 *	120
125	70.8	342.2	134,100	194,800 *	194,800 *	125
130	70.0	340.4	126,200	187,800	193,600 *	130
135	69.1	338.4	119,000	178,000	192,500 *	135
140	68.2	336.4	112,300	169,000	191,400 *	140
145	67.3	334.3	106,100	160,700	190,200 *	145
150	66.5	332.1	100,400	153,000	189,100 *	150
160	64.7	327.4	90,000	139,100	178,800 *	160
170	62.9	322.4	81,000	127,000	165,300 *	170
180	61.0	316.9	73,100	116,300	153,400 *	180
190	59.1	311.0	66,000	106,800	142,500 *	190
200	57.2	304.6	59,700	98,300	132,600 *	200
210	55.3	297.8	54,000	90,600	123,700 *	210
220	53.3	290.5	48,800	83,700	115,600 *	220
230	51.2	282.5	44,200	77,400	108,200 *	230
240	49.1	274.0	39,500 *	71,700	101,400 *	240
250	46.9	264.8	34,900 *	66,400	95,200 *	250
260	44.6	254.8	30,700 *	61,600	89,400 *	260
270	42.2	244.0	26,800 *	57,100	84,000 *	270
280	39.7	232.2	23,200 *	52,500 *	79,100 *	280
290	37.1	219.3	19,800 *	48,000 *	74,400 *	290
300	34.3	205.1	16,600 *	43,900 *	70,100 *	300
310	31.2	189.2	13,600 *	39,900 *	66,000 *	310
320	27.9	171.1	10,700 *	36,300 *	61,600 *	320
330	24.1	150.0	8,100 *	32,800 *	55,900 *	330
340	19.6	124.3		29,400 *	49,500 *	340

16000 MAX-ER

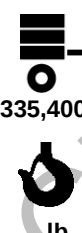
ANSI B30.5



332,000 lb
+
120,000 lb

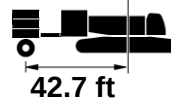


374.0 ft

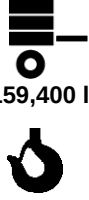
 ft	 °	 ft	 159,400 lb lb	 335,400 lb lb	 511,400 lb lb	 ft
55	82.9	379.5	175,800 *	175,800 *	175,800 *	55
60	82.1	378.7	175,700 *	175,700 *	175,700 *	60
65	81.4	378.0	175,500 *	175,500 *	175,500 *	65
70	80.6	377.1	175,400 *	175,400 *	175,400 *	70
75	79.8	376.2	175,100 *	175,100 *	175,100 *	75
80	79.0	375.2	174,900 *	174,900 *	174,900 *	80
85	78.2	374.1	173,900 *	173,900 *	173,900 *	85
90	77.5	373.0	172,900 *	172,900 *	172,900 *	90
95	76.7	371.8	171,800 *	171,800 *	171,800 *	95
100	75.9	370.5	170,800 *	170,800 *	170,800 *	100
105	75.1	369.2	169,800 *	169,800 *	169,800 *	105
110	74.3	367.8	161,500	168,700 *	168,700 *	110
115	73.5	366.3	151,100	167,700 *	167,700 *	115
120	72.7	364.7	141,600	166,700 *	166,700 *	120
125	71.9	363.0	133,000	165,600 *	165,600 *	125
130	71.1	361.3	125,100	164,600 *	164,600 *	130
135	70.3	359.5	117,800	163,600 *	163,600 *	135
140	69.4	357.6	111,100	162,500 *	162,500 *	140
145	68.6	355.6	104,900	159,500	161,500 *	145
150	67.8	353.6	99,200	151,800	160,500 *	150
160	66.1	349.2	88,800	137,900	158,400 *	160
170	64.4	344.5	79,800	125,800	156,400 *	170
180	62.7	339.4	71,900	115,100	152,100 *	180
190	60.9	333.9	64,800	105,600	141,200 *	190
200	59.2	328.0	58,500	97,100	131,300 *	200
210	57.4	321.6	52,800	89,400	122,400 *	210
220	55.5	314.8	47,700	82,500	114,300 *	220
230	53.6	307.6	42,900 *	76,200	106,900 *	230
240	51.7	299.8	37,900 *	70,500	100,200 *	240
250	49.7	291.4	33,400 *	65,200	93,900 *	250
260	47.6	282.4	29,200 *	60,400	88,100 *	260
270	45.5	272.7	25,300 *	55,700 *	82,800 *	270
280	43.3	262.3	21,600 *	50,900 *	77,800 *	280
290	41.0	251.0	18,300 *	46,500 *	73,200 *	290
300	38.5	238.7	15,100 *	42,400 *	68,900 *	300
310	36.0	225.3	12,100 *	38,500 *	64,700 *	310
320	33.2	210.5	9,300 *	34,800 *	60,200 *	320
330	30.3	193.9		31,400 *	55,900 *	330
340	27.0	175.1		28,100 *	51,900 *	340
350	23.3	153.3		25,000 *	44,300 *	350
360	18.9	126.6		22,000 *	27,800 *	360

16000 MAX-ER

ANSI B30.5



393.7 ft

 ft	 °	 ft	 159,400 lb	 335,400 lb	 511,400 lb	 ft
60	82.5	398.6	152,100 *	152,100 *	152,100 *	60
65	81.8	397.9	151,900 *	151,900 *	151,900 *	65
70	81.1	397.1	151,800 *	151,800 *	151,800 *	70
75	80.3	396.2	151,500 *	151,500 *	151,500 *	75
80	79.6	395.3	151,300 *	151,300 *	151,300 *	80
85	78.8	394.3	150,600 *	150,600 *	150,600 *	85
90	78.1	393.2	149,700 *	149,700 *	149,700 *	90
95	77.3	392.1	148,700 *	148,700 *	148,700 *	95
100	76.6	390.9	147,800 *	147,800 *	147,800 *	100
105	75.8	389.6	146,800 *	146,800 *	146,800 *	105
110	75.1	388.2	145,800 *	145,800 *	145,800 *	110
115	74.3	386.8	144,900 *	144,900 *	144,900 *	115
120	73.6	385.3	139,500 *	142,000 *	142,000 *	120
125	72.8	383.8	130,900 *	140,000 *	140,000 *	125
130	72.0	382.1	123,000 *	138,000 *	138,000 *	130
135	71.3	380.4	115,700 *	136,000 *	136,000 *	135
140	70.5	378.6	109,000 *	134,000 *	134,000 *	140
145	69.7	376.8	102,800 *	132,000 *	132,000 *	145
150	68.9	374.8	97,100 *	130,000 *	130,000 *	150
160	67.4	370.7	86,700 *	126,000 *	126,000 *	160
170	65.8	366.2	77,700 *	122,000 *	122,000 *	170
180	64.2	361.5	69,800 *	113,000 *	118,000 *	180
190	62.5	356.3	62,700 *	103,500 *	114,000 *	190
200	60.9	350.8	56,400 *	95,000 *	110,000 *	200
210	59.2	344.9	50,700 *	87,300 *	106,000 *	210
220	57.5	338.6	45,400 *	80,400 *	102,000 *	220
230	55.7	331.9	40,000 *	74,100 *	98,000 *	230
240	53.9	324.7	35,100 *	68,400 *	94,000 *	240
250	52.1	317.0	30,500 *	63,100 *	90,000 *	250
260	50.2	308.8	26,300 *	58,000 *	85,900 *	260
270	48.3	300.0	22,400 *	52,900 *	80,600 *	270
280	46.3	290.5	18,800 *	48,100 *	75,600 *	280
290	44.2	280.4	15,400 *	43,700 *	71,000 *	290
300	42.0	269.5	12,300 *	39,600 *	66,700 *	300
310	39.8	257.7	9,300 *	35,700 *	61,900 *	310
320	37.4	245.0		32,100 *	57,400 *	320
330	34.9	231.0		28,700 *	53,200 *	330
340	32.3	215.6		25,400 *	49,200 *	340
350	29.4	198.5		22,400 *	45,500 *	350
360	26.2	179.0		19,400 *	41,900 *	360