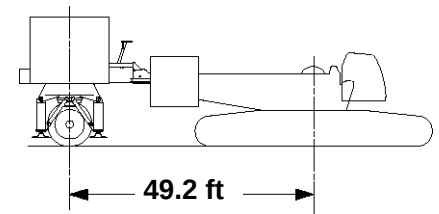




Liftcrane Boom Capacities

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 49.2 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 (*).

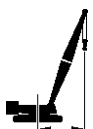
Wheeled counterweight must be attached to machine and MAX-ER mode must be selected to operate. Swing and travel (forward or side crawl) requires proper position of counterweight wheels when contacting ground. Refer to Operator's Manual for wheel positioning. Exit MAX-ER mode before operating without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

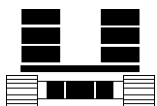
Maximum Boom Length Lifted Unassisted	
Over End of Blocked Crawlers	Over Side or End of Unblocked Crawlers
With 0 lb Wheeled Counterweight	
315.0 ft	295.3 ft
With 159,400 lb Wheeled Counterweight	
393.7 ft	374.0 ft
Over Side or End of Unblocked Crawlers	
With 335,400 lb Wheeled Counterweight	With 511,400 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

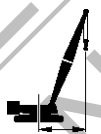
58 HL  Boom No. 58 Heavy Lift Top

 Crane Counterweight
+
Carbody Counterweight

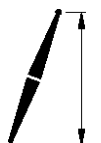
 360° 360 Degree Rating

 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

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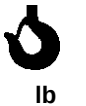
332,000 lb
+
120,000 lb



49.2 ft



137.8 ft

 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 *	817,300 *	837,400 *	837,400 *	30
32	80.3	143.9	602,700 *	767,400 *	837,400 *	837,400 *	32
34	79.5	143.5	565,700 *	723,000 *	837,400 *	837,400 *	34
36	78.6	143.1	530,300 *	683,300 *	837,400 *	837,400 *	36
38	77.7	142.6	497,600 *	647,500 *	802,100 *	837,400 *	38
40	76.9	142.1	464,600	615,100 *	762,300 *	837,400 *	40
45	74.7	140.7	388,100	546,200 *	677,800 *	809,000 *	45
50	72.5	139.1	331,900	490,400 *	609,400 *	728,000 *	50
55	70.3	137.2	288,900	443,300 *	553,000 *	661,200 *	55
60	68.1	135.2	254,900	402,000 *	505,700 *	605,200 *	60
65	65.8	132.9	227,400	367,300 *	465,400 *	557,500 *	65
70	63.5	130.3	204,600	332,800	430,600 *	516,400 *	70
75	61.1	127.5	185,400	303,400	400,400 *	480,600 *	75
80	58.6	124.4	169,100	278,300	373,800 *	449,100 *	80
85	56.1	121.0	154,900	256,700	350,300 *	421,300 *	85
90	53.5	117.3	142,600	237,800	329,300 *	396,500 *	90
95	50.8	113.2	131,800	221,300	309,800 *	374,200 *	95
100	48.0	108.7	122,200	206,500	292,100 *	354,100 *	100
105	45.1	103.7	113,600	193,400	276,100 *	335,800 *	105
110	42.0	98.1	105,900	181,600	261,600 *	319,200 *	110
115	38.7	91.8	98,900	170,900	248,300 *	303,900 *	115
120	35.1	84.8	92,500	161,200	236,200 *	289,900 *	120
125	31.1	76.6	86,700	152,400	224,300	277,000 *	125
130	26.5	66.9	81,400	144,200	213,100	265,100 *	130
135	21.0	54.6	76,400	136,700	202,800	253,900 *	135

16000 MAX-ER

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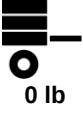


332,000 lb
+
120,000 lb



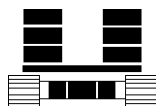
49.2 ft

157.5 ft

 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 *	749,700 *	749,700 *	749,700 *	32
34	80.8	163.6	565,000 *	721,900 *	749,700 *	749,700 *	34
36	80.0	163.2	529,600 *	682,200 *	749,700 *	749,700 *	36
38	79.3	162.8	498,100 *	646,400 *	749,700 *	749,700 *	38
40	78.6	162.4	465,200	614,000 *	749,700 *	749,700 *	40
45	76.7	161.1	388,500	545,000 *	676,700 *	749,700 *	45
50	74.8	159.7	332,100	489,300 *	608,300 *	726,900 *	50
55	72.9	158.2	288,900	442,500 *	551,900 *	660,100 *	55
60	71.0	156.4	254,800	401,100 *	504,500 *	604,100 *	60
65	69.0	154.4	227,200	366,400 *	464,200 *	556,300 *	65
70	67.0	152.3	204,300	332,500	429,500 *	515,200 *	70
75	65.0	149.9	185,000	303,100	399,300 *	479,400 *	75
80	63.0	147.3	168,600	277,900	372,700 *	448,000 *	80
85	60.9	144.5	154,500	256,200	349,200 *	420,200 *	85
90	58.7	141.4	142,100	237,300	328,200 *	395,300 *	90
95	56.6	138.1	131,300	220,700	308,800 *	373,000 *	95
100	54.3	134.4	121,600	206,000	291,100 *	352,900 *	100
105	52.0	130.5	113,000	192,800	275,100 *	334,700 *	105
110	49.6	126.2	105,300	181,000	260,600 *	318,100 *	110
115	47.1	121.5	98,300	170,300	247,400 *	302,900 *	115
120	44.5	116.4	91,900	160,600	235,300 *	288,900 *	120
125	41.8	110.8	86,100	151,800	223,800	276,000 *	125
130	38.9	104.6	80,800	143,700	212,600	264,100 *	130
135	35.8	97.7	75,900	136,200	202,300	253,000 *	135
140	32.4	89.9	71,400	129,300	192,800	242,700 *	140
145	28.7	81.0	67,200	122,900	184,000	233,100 *	145
150	24.4	70.3	63,200	116,900	175,900	224,100 *	150

16000 MAX-ER

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332,000 lb
+
120,000 lb



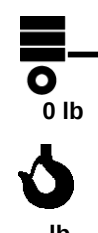
360°



49.2 ft



177.2 ft

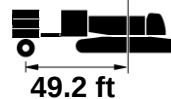
 ft	 °	 ft	 0 lb lb	 159,400 lb lb	 335,400 lb lb	 511,400 lb lb	 ft
32	82.5	183.9	600,200 *	688,600 *	688,600 *	688,600 *	32
34	81.8	183.6	564,000 *	688,100 *	688,100 *	688,100 *	34
36	81.2	183.2	528,500 *	680,800 *	687,200 *	687,200 *	36
38	80.5	182.9	497,000 *	645,000 *	687,200 *	687,200 *	38
40	79.9	182.5	465,300	612,600 *	686,400 *	686,400 *	40
45	78.2	181.4	388,400	543,700 *	675,300 *	686,100 *	45
50	76.5	180.2	331,900	487,900 *	606,900 *	675,600 *	50
55	74.9	178.8	288,600	441,300 *	550,500 *	658,700 *	55
60	73.2	177.2	254,400	400,000 *	503,200 *	602,700 *	60
65	71.5	175.5	226,600	365,200 *	462,900 *	555,000 *	65
70	69.7	173.6	203,700	331,900	428,200 *	513,900 *	70
75	68.0	171.6	184,400	302,400	397,900 *	478,100 *	75
80	66.2	169.3	167,900	277,200	371,400 *	446,700 *	80
85	64.4	166.9	153,800	255,500	347,900 *	418,800 *	85
90	62.6	164.3	141,400	236,600	326,900 *	394,000 *	90
95	60.7	161.4	130,500	219,900	307,600 *	371,700 *	95
100	58.8	158.4	120,800	205,200	290,000 *	351,600 *	100
105	56.9	155.1	112,200	192,000	274,000 *	333,400 *	105
110	54.9	151.5	104,500	180,200	259,500 *	316,800 *	110
115	52.9	147.7	97,500	169,500	246,200 *	301,600 *	115
120	50.8	143.6	91,100	159,800	234,100 *	287,600 *	120
125	48.6	139.2	85,300	150,900	222,900	274,700 *	125
130	46.4	134.4	80,000	142,800	211,700	262,800 *	130
135	44.1	129.2	75,100	135,400	201,500	251,800 *	135
140	41.6	123.6	70,500	128,500	192,000	241,500 *	140
145	39.1	117.4	66,400	122,100	183,200	231,900 *	145
150	36.3	110.6	62,500	116,200	175,100	223,000 *	150
160	30.2	94.7	55,400	105,500	160,400	206,600 *	160
170	22.6	73.4	49,200	96,100	147,500	192,100 *	170

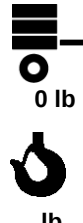
16000 MAX-ER

ANSI B30.5



332,000 lb
+
120,000 lb



 ft	 °	 ft	 lb	 lb	 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	611,000 *	622,600 *	622,600 *	40
45	79.4	201.6	388,100	542,000 *	614,100 *	614,100 *	45
50	77.9	200.4	331,400	486,300 *	605,300 *	605,400 *	50
55	76.4	199.2	288,000	440,000 *	548,900 *	596,400 *	55
60	74.9	197.8	253,600	398,600 *	501,600 *	587,100 *	60
65	73.4	196.3	225,800	363,800 *	461,300 *	553,400 *	65
70	71.8	194.6	202,800	331,100	426,600 *	512,300 *	70
75	70.3	192.8	183,500	301,500	396,400 *	476,500 *	75
80	68.7	190.8	167,000	276,300	369,800 *	445,100 *	80
85	67.1	188.7	152,800	254,600	346,300 *	417,300 *	85
90	65.5	186.4	140,400	235,600	325,300 *	392,500 *	90
95	63.9	183.9	129,500	218,900	306,200 *	370,200 *	95
100	62.3	181.2	119,800	204,100	288,600 *	350,100 *	100
105	60.6	178.4	111,100	190,900	272,600 *	331,900 *	105
110	58.9	175.3	103,400	179,100	258,100 *	315,300 *	110
115	57.2	172.1	96,400	168,400	244,800 *	300,100 *	115
120	55.4	168.6	90,000	158,700	232,700 *	286,100 *	120
125	53.6	164.9	84,200	149,800	221,600 *	273,300 *	125
130	51.7	160.9	78,800	141,700	210,600	261,400 *	130
135	49.8	156.6	73,900	134,200	200,400	250,300 *	135
140	47.8	152.1	69,400	127,300	190,900	240,000 *	140
145	45.8	147.2	65,200	121,000	182,100	230,500 *	145
150	43.7	142.0	61,300	115,100	174,000	221,500 *	150
160	39.2	130.2	54,300	104,400	159,300	205,200 *	160
170	34.2	116.2	48,200	95,100	146,500	190,800 *	170
180	28.4	99.0	42,700	86,800	135,200	177,900 *	180
190	21.1	76.2	37,700	79,400	125,000	166,000 *	190

16000 MAX-ER

ANSI B30.5



332,000 lb
+
120,000 lb



216.5 ft

 ft	 °	 ft	 lb	 lb	 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	541,400 *	553,100 *	553,100 *	45
50	79.0	220.6	331,600	485,700 *	545,600 *	545,600 *	50
55	77.7	219.5	288,100	439,500 *	538,200 *	538,200 *	55
60	76.3	218.2	253,700	398,200 *	501,000 *	530,800 *	60
65	74.9	216.9	225,900	363,400 *	460,700 *	523,500 *	65
70	73.6	215.4	202,800	331,100	426,000 *	511,700 *	70
75	72.2	213.7	183,500	301,500	395,800 *	476,000 *	75
80	70.8	211.9	166,900	276,200	369,200 *	444,500 *	80
85	69.3	210.0	152,700	254,500	345,700 *	416,700 *	85
90	67.9	208.0	140,300	235,500	324,800 *	391,900 *	90
95	66.5	205.8	129,300	218,800	305,800 *	369,700 *	95
100	65.0	203.4	119,600	204,000	288,100 *	349,600 *	100
105	63.5	200.9	111,000	190,800	272,100 *	331,400 *	105
110	62.0	198.2	103,200	178,900	257,600 *	314,800 *	110
115	60.5	195.3	96,200	168,200	244,400 *	299,600 *	115
120	58.9	192.3	89,800	158,500	232,300 *	285,600 *	120
125	57.4	189.1	84,000	149,600	221,200 *	272,800 *	125
130	55.8	185.6	78,700	141,500	210,400	260,900 *	130
135	54.1	182.0	73,800	134,100	200,200	249,800 *	135
140	52.5	178.1	69,200	127,200	190,700	239,600 *	140
145	50.7	174.0	65,100	120,800	181,900	230,000 *	145
150	49.0	169.6	61,200	114,900	173,800	221,100 *	150
160	45.3	160.0	54,200	104,200	159,200	204,800 *	160
170	41.4	149.1	48,000	94,900	146,400	190,500 *	170
180	37.1	136.4	42,600	86,700	135,000	177,600 *	180
190	32.3	121.4	37,700	79,300	125,000	165,800 *	190
200	26.8	103.0	33,300	72,700	115,900	155,200 *	200
210	19.8	78.6	29,300	66,700	107,800	145,500 *	210

16000 MAX-ER

ANSI B30.5

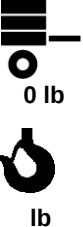
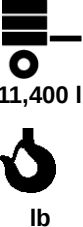


332,000 lb
+
120,000 lb



49.2 ft

236.2 ft

 ft	 °	 ft	 lb	 lb	 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	483,900 *	491,500 *	491,500 *	50
55	78.7	239.7	287,200	437,900 *	485,400 *	485,400 *	55
60	77.5	238.5	252,800	396,600 *	479,200 *	479,200 *	60
65	76.2	237.3	224,800	361,800 *	458,900 *	473,000 *	65
70	75.0	235.9	201,700	330,000	424,200 *	466,900 *	70
75	73.7	234.4	182,300	300,300	394,000 *	460,900 *	75
80	72.4	232.8	165,700	275,000	367,500 *	442,800 *	80
85	71.1	231.1	151,500	253,200	344,000 *	415,000 *	85
90	69.8	229.2	139,000	234,200	323,000 *	390,200 *	90
95	68.5	227.2	128,100	217,500	304,200 *	367,900 *	95
100	67.2	225.1	118,300	202,700	286,500 *	347,800 *	100
105	65.9	222.8	109,700	189,500	270,500 *	329,600 *	105
110	64.5	220.4	101,900	177,600	256,000 *	313,000 *	110
115	63.2	217.9	94,800	166,900	242,800 *	297,800 *	115
120	61.8	215.1	88,500	157,100	230,700 *	283,900 *	120
125	60.4	212.3	82,600	148,300	219,600 *	271,000 *	125
130	59.0	209.2	77,300	140,100	209,100	259,200 *	130
135	57.5	206.0	72,400	132,700	198,800	248,100 *	135
140	56.1	202.7	67,900	125,800	189,300	237,900 *	140
145	54.6	199.1	63,700	119,400	180,500	228,300 *	145
150	53.1	195.3	59,800	113,500	172,400	219,400 *	150
160	49.9	187.1	52,800	102,800	157,800	203,200 *	160
170	46.6	177.9	46,600	93,500	145,000	188,800 *	170
180	43.1	167.5	41,200	85,300	133,700	176,000 *	180
190	39.4	155.7	36,300	78,000	123,600	164,300 *	190
200	35.3	142.1	32,000	71,400	114,600	153,700 *	200
210	30.7	126.2	28,100	65,500	106,500	144,100 *	210
220	25.4	106.7	24,400	60,100	99,100	135,300 *	220
230	18.7	80.8	21,100	55,100	92,300	127,300 *	230

16000 MAX-ER

ANSI B30.5



332,000 lb
+
120,000 lb



49.2 ft



255.9 ft

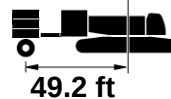
 ft	 °	 ft	 0 lb lb	 159,400 lb lb	 335,400 lb lb	 511,400 lb lb	 ft
40	83.0	262.3	452,300 *	452,300 *	452,300 *	452,300 *	40
45	81.9	261.6	387,600	449,300 *	449,300 *	449,300 *	45
50	80.7	260.7	330,500	445,500 *	445,500 *	445,500 *	50
55	79.6	259.8	286,700	436,700 *	441,600 *	441,600 *	55
60	78.5	258.7	252,200	395,500 *	437,800 *	437,800 *	60
65	77.3	257.6	224,200	360,700 *	434,000 *	434,000 *	65
70	76.1	256.3	201,000	329,300	423,000 *	430,300 *	70
75	75.0	254.9	181,500	299,600	392,700 *	426,600 *	75
80	73.8	253.5	164,900	274,200	366,200 *	422,900 *	80
85	72.6	251.9	150,600	252,400	342,700 *	413,700 *	85
90	71.5	250.2	138,100	233,400	321,800 *	388,900 *	90
95	70.3	248.4	127,200	216,600	303,000 *	366,600 *	95
100	69.1	246.4	117,400	201,800	285,300 *	346,500 *	100
105	67.9	244.4	108,700	188,500	269,300 *	328,300 *	105
110	66.6	242.2	100,900	176,600	254,800 *	311,700 *	110
115	65.4	239.9	93,900	165,900	241,600 *	296,600 *	115
120	64.2	237.4	87,500	156,200	229,500 *	282,600 *	120
125	62.9	234.8	81,700	147,300	218,400 *	269,800 *	125
130	61.6	232.1	76,300	139,200	208,100	257,900 *	130
135	60.3	229.2	71,400	131,700	197,800	246,900 *	135
140	59.0	226.2	66,900	124,800	188,300	236,600 *	140
145	57.7	223.0	62,700	118,400	179,500	227,100 *	145
150	56.3	219.7	58,800	112,500	171,400	218,200 *	150
160	53.6	212.4	51,800	101,800	156,800	202,000 *	160
170	50.7	204.4	45,600	92,500	144,000	187,600 *	170
180	47.7	195.5	40,200	84,300	132,700	174,800 *	180
190	44.6	185.6	35,400	77,000	122,600	163,200 *	190
200	41.2	174.5	31,000	70,400	113,700	152,600 *	200
210	37.6	162.0	27,100	64,500	105,600	143,100 *	210
220	33.7	147.6	23,600	59,200	98,200	134,300 *	220
230	29.3	130.7	20,300	54,300	91,500	126,400 *	230
240	24.2	110.2	17,300	49,800	85,400	119,000 *	240
250	17.7	82.8	14,100 *	45,600	79,700	112,100 *	250

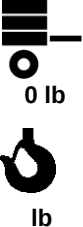
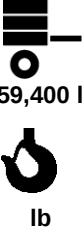
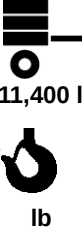
16000 MAX-ER

ANSI B30.5



332,000 lb
+
120,000 lb



 ft	 °	 ft	 lb	 lb	 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	390,300 *	390,300 *	390,300 *	60
65	78.2	277.8	223,000	359,000 *	390,300 *	390,300 *	65
70	77.2	276.6	199,800	328,000	386,100 *	386,100 *	70
75	76.1	275.4	180,300	298,300	380,100 *	380,100 *	75
80	75.0	274.0	163,600	272,900	364,300 *	374,300 *	80
85	73.9	272.5	149,300	251,000	340,900 *	368,800 *	85
90	72.8	271.0	136,800	232,000	319,900 *	363,500 *	90
95	71.7	269.3	125,800	215,200	301,100 *	358,500 *	95
100	70.6	267.5	116,000	200,400	283,600 *	344,700 *	100
105	69.5	265.6	107,300	187,100	267,600 *	326,500 *	105
110	68.4	263.6	99,500	175,200	253,100 *	309,900 *	110
115	67.3	261.5	92,400	164,400	239,900 *	294,700 *	115
120	66.1	259.2	86,000	154,700	227,800 *	280,800 *	120
125	65.0	256.9	80,200	145,800	216,600 *	268,000 *	125
130	63.8	254.4	74,800	137,600	206,400 *	256,100 *	130
135	62.7	251.8	69,900	130,200	196,300	245,100 *	135
140	61.5	249.1	65,300	123,300	186,800	234,800 *	140
145	60.3	246.2	61,100	116,900	178,000	225,300 *	145
150	59.1	243.2	57,200	111,000	169,900	216,400 *	150
160	56.6	236.7	50,200	100,300	155,200	200,100 *	160
170	54.0	229.6	44,100	91,000	142,400	185,800 *	170
180	51.4	221.7	38,700	82,800	131,100	173,000 *	180
190	48.6	213.1	33,800	75,400	121,100	161,500 *	190
200	45.8	203.6	29,500	68,900	112,100	150,900 *	200
210	42.7	193.0	25,600	63,000	104,000	141,400 *	210
220	39.5	181.2	22,000	57,600	96,700	132,700 *	220
230	36.1	168.0	18,800	52,800	90,000	124,700 *	230
240	32.3	152.8	15,700 *	48,300	83,900	117,400 *	240
250	28.1	135.0	12,300 *	44,200	78,300	110,700 *	250
260	23.1	113.4	9,100 *	40,400	73,100	104,400 *	260
270	16.8	84.5		36,700 *	68,200	97,100 *	270

16000 MAX-ER

ANSI B30.5



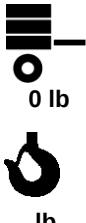
332,000 lb
+
120,000 lb



49.2 ft



295.3 ft

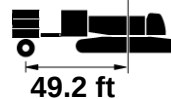
 ft	 °	 ft	 0 lb lb	 159,400 lb lb	 335,400 lb lb	 511,400 lb lb	 ft
45	83.0	301.4	327,200 *	327,200 *	327,200 *	327,200 *	45
50	82.0	300.6	327,200 *	327,200 *	327,200 *	327,200 *	50
55	81.0	299.8	285,300	327,200 *	327,200 *	327,200 *	55
60	80.0	298.9	250,600	327,200 *	327,200 *	327,200 *	60
65	79.0	297.9	222,400	327,200 *	327,200 *	327,200 *	65
70	78.0	296.8	199,200	327,200 *	327,200 *	327,200 *	70
75	77.0	295.7	179,600	297,600	324,100 *	324,100 *	75
80	76.0	294.4	163,000	272,300	319,100 *	319,100 *	80
85	75.0	293.0	148,600	250,400	314,300 *	314,300 *	85
90	74.0	291.6	136,100	231,300	309,700 *	309,700 *	90
95	73.0	290.0	125,000	214,500	300,100 *	305,200 *	95
100	72.0	288.4	115,300	199,600	282,600 *	300,800 *	100
105	71.0	286.6	106,600	186,400	266,600 *	296,500 *	105
110	69.9	284.8	98,700	174,400	252,100 *	292,300 *	110
115	68.9	282.8	91,700	163,700	238,900 *	288,200 *	115
120	67.8	280.8	85,200	153,900	226,800 *	279,800 *	120
125	66.8	278.6	79,400	145,000	215,700 *	266,900 *	125
130	65.7	276.3	74,000	136,900	205,400 *	255,100 *	130
135	64.6	273.9	69,100	129,400	195,500	244,100 *	135
140	63.5	271.4	64,600	122,500	186,000	233,800 *	140
145	62.4	268.8	60,400	116,100	177,200	224,300 *	145
150	61.3	266.0	56,500	110,200	169,100	215,400 *	150
160	59.1	260.1	49,400	99,500	154,400	199,200 *	160
170	56.8	253.7	43,300	90,200	141,600	184,900 *	170
180	54.4	246.6	37,900	82,000	130,300	172,100 *	180
190	52.0	238.9	33,000	74,700	120,300	160,600 *	190
200	49.4	230.5	28,700	68,100	111,300	150,000 *	200
210	46.8	221.3	24,800	62,200	103,300	140,500 *	210
220	44.0	211.2	21,300	56,900	96,000	131,800 *	220
230	41.1	200.0	18,100	52,000	89,300	123,900 *	230
240	38.0	187.6	14,700 *	47,600	83,200	116,600 *	240
250	34.7	173.6	11,400 *	43,500	77,600	109,900 *	250
260	31.0	157.7	8,300 *	39,700	72,500	103,700 *	260
270	26.9	139.1		36,000 *	67,700	97,900 *	270
280	22.1	116.4		32,100 *	63,200	92,600 *	280
290	15.9	86.1		28,400 *	59,000	84,100 *	290

16000 MAX-ER

ANSI B30.5



332,000 lb
+
120,000 lb



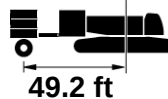
ft	o	ft	0 lb	159,400 lb	335,400 lb	511,400 lb	ft
50	82.5	320.5	279,800 *	279,800 *	279,800 *	279,800 *	50
55	81.6	319.8	279,800 *	279,800 *	279,800 *	279,800 *	55
60	80.6	318.9	249,400	279,800 *	279,800 *	279,800 *	60
65	79.7	318.0	221,200	279,800 *	279,800 *	279,800 *	65
70	78.8	317.0	197,900	279,800 *	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	270,800	279,800 *	279,800 *	80
85	76.0	313.4	147,100	248,900	279,800 *	279,800 *	85
90	75.0	312.1	134,500	229,700	279,800 *	279,800 *	90
95	74.1	310.6	123,500	212,900	279,500 *	279,500 *	95
100	73.1	309.1	113,700	198,000	278,900 *	278,900 *	100
105	72.2	307.5	104,900	184,700	264,700 *	277,400 *	105
110	71.2	305.7	97,100	172,800	250,200 *	276,000 *	110
115	70.3	303.9	90,000	162,000	237,000 *	274,500 *	115
120	69.3	302.0	83,600	152,200	224,900 *	273,100 *	120
125	68.3	300.0	77,700	143,300	213,700 *	264,900 *	125
130	67.3	297.9	72,300	135,200	203,500 *	253,000 *	130
135	66.3	295.7	67,400	127,700	193,800	242,000 *	135
140	65.3	293.4	62,800	120,800	184,300	231,800 *	140
145	64.3	290.9	58,600	114,400	175,500	222,300 *	145
150	63.3	288.4	54,700	108,400	167,300	213,400 *	150
160	61.2	283.0	47,700	97,800	152,700	197,200 *	160
170	59.1	277.1	41,500	88,400	139,900	182,800 *	170
180	56.9	270.7	36,100	80,200	128,600	170,100 *	180
190	54.7	263.7	31,300	72,900	118,500	158,600 *	190
200	52.4	256.1	26,900	66,300	109,600	148,100 *	200
210	50.1	247.9	23,000	60,500	101,500	138,600 *	210
220	47.7	239.0	19,500	55,100	94,200	129,900 *	220
230	45.1	229.2	15,900 *	50,300	87,500	122,000 *	230
240	42.4	218.5	12,300 *	45,800	81,500	114,700 *	240
250	39.6	206.7	9,000 *	41,700	75,900	108,000 *	250
260	36.6	193.7		37,800 *	70,700	101,900 *	260
270	33.4	179.0		33,700 *	66,000	96,100 *	270
280	29.9	162.4		29,900 *	61,600	90,800 *	280
290	25.9	142.9		26,300 *	57,400	85,800 *	290
300	21.2	119.2		22,900 *	53,600	81,100 *	300
310	15.2	87.4		19,700 *	49,500 *	72,200 *	310

16000 MAX-ER

ANSI B30.5



332,000 lb
+
120,000 lb



334.6 ft

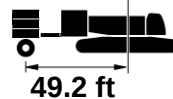
 ft	 °	 ft	 159,400 lb lb	 335,400 lb lb	 511,400 lb lb	 ft
50	82.9	340.4	237,700 *	237,700 *	237,700 *	50
55	82.1	339.7	237,700 *	237,700 *	237,700 *	55
60	81.2	338.9	237,700 *	237,700 *	237,700 *	60
65	80.3	338.0	237,700 *	237,700 *	237,700 *	65
70	79.5	337.1	237,700 *	237,700 *	237,700 *	70
75	78.6	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	228,800	237,000 *	237,000 *	90
95	75.1	331.1	212,000	235,800 *	235,800 *	95
100	74.2	329.7	197,100	234,500 *	234,500 *	100
105	73.3	328.1	183,800	233,300 *	233,300 *	105
110	72.4	326.5	171,800	232,000 *	232,000 *	110
115	71.5	324.9	161,000	230,700 *	230,700 *	115
120	70.6	323.1	151,300	223,700 *	229,400 *	120
125	69.6	321.2	142,300	212,600 *	228,200 *	125
130	68.7	319.2	134,200	202,300 *	226,900 *	130
135	67.8	317.2	126,700	192,800	225,600 *	135
140	66.9	315.0	119,700	183,300	224,300 *	140
145	65.9	312.7	113,300	174,500	221,100 *	145
150	65.0	310.4	107,400	166,300	212,200 *	150
160	63.1	305.4	96,700	151,700	196,000 *	160
170	61.1	299.9	87,400	138,800	181,700 *	170
180	59.1	294.0	79,200	127,500	168,900 *	180
190	57.1	287.7	71,900	117,500	157,500 *	190
200	55.0	280.8	65,300	108,500	147,000 *	200
210	52.9	273.3	59,400	100,500	137,500 *	210
220	50.7	265.2	54,100	93,200	128,800 *	220
230	48.4	256.5	49,300	86,500	120,900 *	230
240	46.1	247.1	44,800	80,400	113,600 *	240
250	43.6	236.8	40,700	74,900	107,000 *	250
260	41.0	225.5	36,500 *	69,700	100,800 *	260
270	38.3	213.2	32,400 *	65,000	95,100 *	270
280	35.4	199.5	28,700 *	60,600	89,800 *	280
290	32.3	184.2	25,100 *	56,500	84,800 *	290
300	28.8	166.8	21,800 *	52,700	80,100 *	300
310	25.0	146.5	18,700 *	48,600 *	75,800 *	310
320	20.4	121.8	15,700 *	44,600 *	70,300 *	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	201,600 *	201,600 *	201,600 *	95
100	75.1	350.1	195,500	200,400 *	200,400 *	100
105	74.2	348.7	182,200	199,300 *	199,300 *	105
110	73.4	347.2	170,300	198,200 *	198,200 *	110
115	72.5	345.6	159,500	197,100 *	197,100 *	115
120	71.7	344.0	149,700	195,900 *	195,900 *	120
125	70.8	342.2	140,700	194,800 *	194,800 *	125
130	70.0	340.4	132,500	193,600 *	193,600 *	130
135	69.1	338.4	125,000	191,000 *	192,500 *	135
140	68.2	336.4	118,100	181,600	191,400 *	140
145	67.3	334.3	111,700	172,800	190,200 *	145
150	66.5	332.1	105,800	164,700	189,100 *	150
160	64.7	327.4	95,100	150,000	186,800 *	160
170	62.9	322.4	85,700	137,200	179,800 *	170
180	61.0	316.9	77,500	125,900	167,000 *	180
190	59.1	311.0	70,200	115,800	155,600 *	190
200	57.2	304.6	63,600	106,900	145,200 *	200
210	55.3	297.8	57,700	98,800	135,600 *	210
220	53.3	290.5	52,400	91,500	127,000 *	220
230	51.2	282.5	47,600	84,800	119,100 *	230
240	49.1	274.0	43,100	78,800	111,800 *	240
250	46.9	264.8	38,600 *	73,200	105,200 *	250
260	44.6	254.8	34,200 *	68,100	99,000 *	260
270	42.2	244.0	30,200 *	63,300	93,300 *	270
280	39.7	232.2	26,400 *	58,900	88,000 *	280
290	37.1	219.3	22,900 *	54,800	83,000 *	290
300	34.3	205.1	19,600 *	50,600 *	78,400 *	300
310	31.2	189.2	16,500 *	46,500 *	74,100 *	310
320	27.9	171.1	13,600 *	42,600 *	70,000 *	320
330	24.1	150.0	10,800 *	38,900 *	66,100 *	330
340	19.6	124.3	8,100 *	35,300 *	56,400 *	340

16000 MAX-ER

ANSI B30.5



332,000 lb
+
120,000 lb



374.0 ft

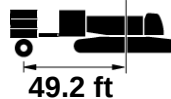
 ft	 °	 ft	 159,400 lb lb	 335,400 lb lb	 511,400 lb lb	 ft
55	82.9	379.5	175,800 *	175,800 *	175,800 *	55
60	82.1	378.7	175,700 *	175,700 *	175,700 *	60
65	81.4	378.0	175,500 *	175,500 *	175,500 *	65
70	80.6	377.1	175,400 *	175,400 *	175,400 *	70
75	79.8	376.2	175,100 *	175,100 *	175,100 *	75
80	79.0	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	168,700 *	168,700 *	168,700 *	110
115	73.5	366.3	158,300	167,700 *	167,700 *	115
120	72.7	364.7	148,500	166,700 *	166,700 *	120
125	71.9	363.0	139,600	165,600 *	165,600 *	125
130	71.1	361.3	131,400	164,600 *	164,600 *	130
135	70.3	359.5	123,900	163,600 *	163,600 *	135
140	69.4	357.6	116,900	162,500 *	162,500 *	140
145	68.6	355.6	110,500	161,500 *	161,500 *	145
150	67.8	353.6	104,600	160,500 *	160,500 *	150
160	66.1	349.2	93,900	148,800	158,400 *	160
170	64.4	344.5	84,500	136,000	156,400 *	170
180	62.7	339.4	76,300	124,700	154,400 *	180
190	60.9	333.9	69,000	114,600	152,400 *	190
200	59.2	328.0	62,400	105,700	143,900 *	200
210	57.4	321.6	56,600	97,600	134,400 *	210
220	55.5	314.8	51,200	90,300	125,700 *	220
230	53.6	307.6	46,400	83,600	117,800 *	230
240	51.7	299.8	41,800 *	77,600	110,600 *	240
250	49.7	291.4	37,000 *	72,000	103,900 *	250
260	47.6	282.4	32,700 *	66,900	97,800 *	260
270	45.5	272.7	28,700 *	62,200	92,100 *	270
280	43.3	262.3	24,900 *	57,800	86,800 *	280
290	41.0	251.0	21,400 *	53,500 *	81,800 *	290
300	38.5	238.7	18,100 *	49,100 *	77,200 *	300
310	36.0	225.3	15,000 *	45,000 *	72,900 *	310
320	33.2	210.5	12,100 *	41,200 *	68,800 *	320
330	30.3	193.9	9,400 *	37,500 *	65,000 *	330
340	27.0	175.1		34,100 *	61,200 *	340
350	23.3	153.3		30,800 *	44,300 *	350
360	18.9	126.6		27,600 *	27,800 *	360

16000 MAX-ER

ANSI B30.5



332,000 lb
+
120,000 lb



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	142,000 *	142,000 *	142,000 *	120
125	72.8	383.8	137,500	140,000 *	140,000 *	125
130	72.0	382.1	129,300	138,000 *	138,000 *	130
135	71.3	380.4	121,800	136,000 *	136,000 *	135
140	70.5	378.6	114,800	134,000 *	134,000 *	140
145	69.7	376.8	108,400	132,000 *	132,000 *	145
150	68.9	374.8	102,500	130,000 *	130,000 *	150
160	67.4	370.7	91,800	126,000 *	126,000 *	160
170	65.8	366.2	82,400	122,000 *	122,000 *	170
180	64.2	361.5	74,200	118,000 *	118,000 *	180
190	62.5	356.3	66,900	112,500	114,000 *	190
200	60.9	350.8	60,300	103,500	110,000 *	200
210	59.2	344.9	54,400	95,500	106,000 *	210
220	57.5	338.6	49,100	88,200	102,000 *	220
230	55.7	331.9	44,000 *	81,500	98,000 *	230
240	53.9	324.7	38,900 *	75,500	94,000 *	240
250	52.1	317.0	34,200 *	69,900	90,000 *	250
260	50.2	308.8	29,800 *	64,800	86,000 *	260
270	48.3	300.0	25,800 *	60,100	82,000 *	270
280	46.3	290.5	22,100 *	55,400 *	80,000 *	280
290	44.2	280.4	18,600 *	50,700 *	78,000 *	290
300	42.0	269.5	15,300 *	46,300 *	75,000 *	300
310	39.8	257.7	12,200 *	42,200 *	70,700 *	310
320	37.4	245.0	9,400 *	38,400 *	66,700 *	320
330	34.9	231.0		34,800 *	62,800 *	330
340	32.3	215.6		31,400 *	58,500 *	340
350	29.4	198.5		28,100 *	54,400 *	350
360	26.2	179.0		25,000 *	50,600 *	360