

Liftcrane Boom Capacities

Boom No. 55-79A with 100 ft Mast No. 56
528,000 lb Crane Counterweight
Pedestal Mount - Four Swing Drives
0 Degree thru 3 Degree Static Machine List
360 Degree Rating

LIFTING CAPACITIES: Lifting capacities for various boom lengths and operating radii are for freely suspended loads and are based on structural competence.

Weight of upper boom point, 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 with turntable bearing properly supported, mast up, and machine list not to exceed degrees noted. Refer to boom rigging **No. A05379**, Wire Rope Specification chart **No. 8514-A or 8514-B** and Counterweight Arrangement chart **No. 8577-A**. Crane operator judgment must be used to allow for dynamic load effects of swinging, hoisting or lowering, wind

conditions, as well as adverse operating conditions and physical machine depreciation. Refer to Operator's Manual for operating guidelines.

OPERATING RADIUS: Operating radius is horizontal distance from axis of rotation to center of vertical hoist line or load block. Boom angle 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 top of turntable bearing to centerline of boom point shaft.

MACHINE EQUIPMENT: Machine equipped with **four swing drives**, 30 ft live mast, 100 ft mast, 16 part boom hoist reeving, boom support straps, and 528,000 lb crane counterweight.

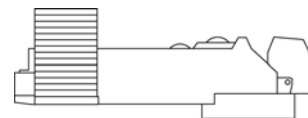
Maximum Boom Lengths Lifted Unassisted	
List	Boom Length
0 Degree	400 ft
1 Degree	300 ft
2 Degree	280 ft
3 Degree	240 ft
Load block, hook and weight ball on barge deck at start. Jib cannot be attached on crawler machine while operating on a barge.	

Upper Boom Point Deduct
Deduct 600 lbs from capacities when upper boom point No. A08516 is attached.

Upper Boom Point Capacity for Liftcrane Service - Whip Line		
28 mm		32 mm
Drum 2	Drum 3	Drum 2
Single Part Line		
35,800 lb	30,000 lb	48,800 lb
Two Part Line		
Upper Boom Point No. 170419		
60,000 lb	60,000 lb	60,000 lb
Upper Boom Point No. A08516		
71,600 lb	60,000 lb	97,600 lb
In all cases, upper boom point capacities cannot exceed those listed for main boom capacity.		

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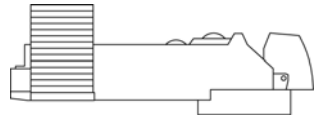
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Oper. Radius Feet	Boom Angle Deg.	Boom Point Elev. Feet	0 Degree List Boom Capacity Pounds	1 Degree List Boom Capacity Pounds	2 Degree List Boom Capacity Pounds	3 Degree List Boom Capacity Pounds	Oper. Radius Feet
120.0 ft Boom							
26	82.2	122.4	1,000,000				26
28	81.3	122.1	1,000,000	907,800			28
30	80.3	121.6	959,300	885,600	804,200		30
32	79.3	121.2	900,600	834,100	771,000	715,200	32
34	78.3	120.7	848,200	788,000	730,800	679,900	34
36	77.3	120.2	801,200	746,400	694,300	647,700	36
38	76.3	119.7	758,900	708,700	661,100	618,200	38
40	75.4	119.1	720,500	674,400	630,700	591,100	40
45	72.8	117.4	638,500	600,800	564,900	532,100	45
50	70.3	115.5	572,100	540,700	510,700	483,000	50
55	67.7	113.4	517,300	490,600	465,200	441,600	55
60	65.0	110.9	471,100	448,300	426,500	406,100	60
65	62.3	108.2	431,800	412,100	393,100	375,400	65
70	59.5	105.2	397,900	380,700	364,100	348,500	70
75	56.6	101.8	368,300	353,200	338,700	324,900	75
80	53.7	98.0	342,300	329,000	316,100	303,900	80
85	50.5	93.8	319,300	307,400	296,000	285,100	85
90	47.2	89.0	298,700	288,200	278,000	268,200	90
95	43.8	83.7	280,200	270,800	261,700	253,000	95
100	40.0	77.7	263,500	255,100	247,000	238,800	100
105	35.9	70.7	248,300	240,600	233,100	225,800	105
110	31.3	62.5	234,000	227,100	220,400	213,900	110
115	26.0	52.4	218,100	214,700	208,900	203,200	115
120	19.0	38.8	192,100	190,800	189,600	188,500	120

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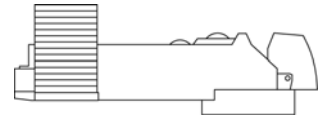
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140.0 ft Boom							
28	82.5	142.4	1,000,000				28
30	81.7	142.0	953,100	848,900			30
32	80.9	141.6	894,800	821,400	752,100		32
34	80.0	141.2	842,800	776,200	713,300	658,100	34
36	79.2	140.8	796,200	735,400	678,000	627,400	36
38	78.3	140.3	754,000	698,400	645,900	599,300	38
40	77.5	139.8	715,800	664,800	616,400	573,300	40
45	75.4	138.4	634,300	592,400	552,600	516,700	45
50	73.2	136.8	568,200	533,100	499,800	469,500	50
55	71.1	135.0	513,500	483,800	455,400	429,500	55
60	68.9	133.0	467,600	442,000	417,600	395,100	60
65	66.6	130.8	428,400	406,200	385,000	365,300	65
70	64.3	128.3	394,600	375,200	356,600	339,200	70
75	62.0	125.5	365,200	348,000	331,600	316,200	75
80	59.6	122.5	339,200	324,000	309,400	295,700	80
85	57.1	119.2	316,300	302,700	289,700	277,300	85
90	54.6	115.5	295,800	283,600	271,900	260,800	90
95	52.0	111.5	277,400	266,400	255,900	245,800	95
100	49.3	107.1	260,700	250,900	241,300	232,000	100
105	46.4	102.3	245,600	236,700	227,700	219,100	105
110	43.4	96.9	231,700	223,300	215,200	207,400	110
115	40.2	90.9	218,600	211,000	203,700	196,600	115
120	36.8	84.2	206,600	199,700	193,100	186,700	120
125	33.0	76.4	195,500	189,400	183,400	177,500	125
130	28.8	67.4	185,300	179,700	174,400	169,100	130
135	23.8	56.4	175,700	170,800	166,000	161,400	135
140	17.5	41.6	162,700	161,600	158,400	154,300	140

Liftcrane Boom Capacities

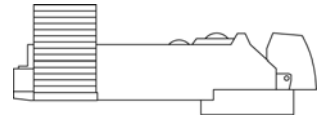
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160.0 ft Boom							
30	82.7	162.3	939,300				30
32	82.0	162.0	887,800	807,000			32
34	81.3	161.6	836,200	763,600			34
36	80.6	161.2	789,900	723,600	661,200		36
38	79.8	160.8	748,000	687,200	630,000	580,000	38
40	79.1	160.4	710,000	654,100	601,500	555,200	40
45	77.3	159.2	628,900	582,900	539,500	500,800	45
50	75.4	157.8	563,100	524,500	488,100	455,300	50
55	73.5	156.2	508,600	475,900	444,800	416,600	55
60	71.6	154.5	462,800	434,600	407,900	383,400	60
65	69.7	152.6	423,800	399,200	375,900	354,500	65
70	67.8	150.5	390,100	368,600	348,100	329,100	70
75	65.8	148.1	360,700	341,700	323,500	306,600	75
80	63.8	145.6	334,900	318,000	301,800	286,600	80
85	61.7	142.8	312,000	296,800	282,300	268,700	85
90	59.6	139.8	291,600	277,900	264,900	252,500	90
95	57.5	136.6	273,200	260,900	249,100	237,900	95
100	55.3	133.0	256,700	245,500	234,700	224,400	100
105	53.1	129.2	241,600	231,400	221,500	211,800	105
110	50.7	125.0	227,900	218,400	209,100	200,200	110
115	48.3	120.5	215,000	206,200	197,700	189,600	115
120	45.8	115.5	203,000	195,000	187,300	179,800	120
125	43.2	110.1	192,000	184,700	177,600	170,800	125
130	40.4	104.2	181,800	175,200	168,700	162,400	130
135	37.4	97.6	172,400	166,300	160,400	154,600	135
140	34.2	90.2	163,700	158,100	152,600	147,400	140
145	30.7	81.8	155,500	150,400	145,400	140,600	145
150	26.8	72.0	147,800	143,200	138,700	134,300	150
155	22.2	60.1	140,600	136,500	132,400	128,500	155
160	16.2	44.2	133,700	130,100	126,600	123,100	160

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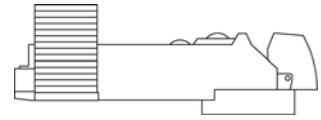
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180.0 ft Boom							
32	82.9	182.2	820,700				32
34	82.3	181.9	820,700				34
36	81.6	181.6	786,400	703,600			36
38	81.0	181.2	744,800	679,100	617,400		38
40	80.3	180.8	707,000	646,500	589,700		40
45	78.7	179.7	626,200	576,300	529,400	488,200	45
50	77.1	178.5	560,600	518,700	479,300	444,200	50
55	75.4	177.2	506,400	470,700	437,000	406,800	55
60	73.7	175.6	460,700	429,900	400,900	374,500	60
65	72.1	173.9	421,700	394,900	369,600	346,400	65
70	70.4	172.1	388,100	364,500	342,200	321,700	70
75	68.7	170.1	358,800	337,900	318,100	299,800	75
80	66.9	167.9	333,000	314,400	296,700	280,300	80
85	65.2	165.5	310,100	293,500	277,600	262,800	85
90	63.4	162.9	289,700	274,700	260,400	246,900	90
95	61.5	160.1	271,400	257,800	244,800	232,600	95
100	59.7	157.1	254,900	242,500	230,600	219,500	100
105	57.8	153.9	239,900	228,600	217,700	207,000	105
110	55.9	150.5	226,200	215,700	205,400	195,700	110
115	53.9	146.7	213,500	203,600	194,200	185,200	115
120	51.8	142.7	201,500	192,500	183,800	175,600	120
125	49.7	138.4	190,600	182,300	174,300	166,600	125
130	47.6	133.8	180,400	172,800	165,400	158,300	130
135	45.3	128.8	171,000	164,000	157,200	150,600	135
140	43.0	123.3	162,300	155,800	149,500	143,500	140
145	40.5	117.4	154,200	148,200	142,400	136,700	145
150	37.9	110.9	146,600	141,000	135,700	130,500	150
155	35.1	103.8	139,500	134,300	129,400	124,600	155
160	32.1	95.8	132,800	128,100	123,500	119,000	160
165	28.8	86.8	126,400	122,100	117,900	113,800	165
170	25.1	76.3	120,500	116,500	112,700	108,900	170
175	20.8	63.5	114,800	111,200	107,800	104,400	175
180	15.2	46.6	109,300	106,200	103,100	100,100	180

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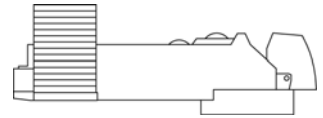
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200.0 ft Boom							
36	82.5	201.8	754,100				36
38	81.9	201.5	742,600	620,100			38
40	81.3	201.1	705,100	620,100			40
45	79.8	200.2	624,700	571,100	520,900	477,200	45
50	78.4	199.1	559,400	514,300	472,100	434,800	50
55	76.9	197.9	505,300	466,800	430,800	398,600	55
60	75.4	196.5	459,800	426,600	395,400	367,300	60
65	73.9	195.0	420,900	392,000	364,700	340,000	65
70	72.4	193.4	387,400	361,900	337,900	316,000	70
75	70.9	191.6	358,100	335,500	314,200	294,600	75
80	69.4	189.6	332,400	312,200	293,100	275,500	80
85	67.8	187.5	309,600	291,500	274,300	258,400	85
90	66.2	185.3	289,200	272,900	257,400	242,900	90
95	64.6	182.9	271,000	256,100	242,000	228,800	95
100	63.0	180.2	254,500	240,900	228,100	216,000	100
105	61.4	177.4	239,500	227,100	215,300	203,900	105
110	59.7	174.5	225,800	214,500	203,300	192,700	110
115	58.0	171.3	213,300	202,500	192,200	182,400	115
120	56.3	167.9	201,400	191,400	181,900	172,900	120
125	54.5	164.2	190,400	181,300	172,500	164,100	125
130	52.7	160.4	180,300	171,900	163,700	156,000	130
135	50.9	156.2	171,000	163,100	155,600	148,400	135
140	48.9	151.8	162,300	155,000	148,000	141,300	140
145	47.0	147.1	154,200	147,400	140,900	134,600	145
150	44.9	142.0	146,600	140,300	134,200	128,400	150
155	42.8	136.6	139,500	133,700	128,000	122,600	155
160	40.6	130.7	132,900	127,400	122,200	117,100	160
165	38.3	124.3	126,600	121,500	116,600	111,900	165
170	35.8	117.3	120,700	116,000	111,400	107,000	170
175	33.2	109.6	115,100	110,800	106,500	102,400	175
180	30.4	101.1	109,800	105,800	101,800	98,000	180
185	27.3	91.5	104,800	101,100	97,400	93,900	185
190	23.8	80.3	100,000	96,600	93,200	90,000	190
195	19.6	66.8	95,400	92,300	89,300	86,300	195

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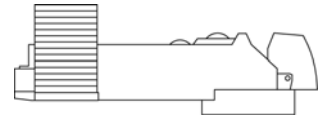
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220.0 ft Boom							
38	82.6	221.7	683,200				38
40	82.1	221.4	683,200				40
45	80.8	220.6	621,100	563,900	506,300		45
50	79.5	219.6	556,100	507,900	463,000	418,900	50
55	78.1	218.5	502,200	461,000	422,600	388,700	55
60	76.8	217.2	456,800	421,200	387,900	358,300	60
65	75.4	215.9	418,000	387,000	357,900	331,700	65
70	74.1	214.4	384,600	357,200	331,500	308,300	70
75	72.7	212.8	355,400	331,100	308,300	287,500	75
80	71.3	211.1	329,700	308,000	287,600	268,900	80
85	69.9	209.2	307,000	287,500	269,000	252,100	85
90	68.5	207.1	286,600	269,000	252,300	236,900	90
95	67.1	205.0	268,400	252,400	237,200	223,200	95
100	65.7	202.7	251,900	237,300	223,500	210,600	100
105	64.2	200.2	237,000	223,600	210,900	198,700	105
110	62.8	197.6	223,300	211,000	199,100	187,700	110
115	61.3	194.8	210,800	199,300	188,100	177,600	115
120	59.7	191.8	199,100	188,300	178,000	168,300	120
125	58.2	188.6	188,200	178,200	168,600	159,600	125
130	56.6	185.3	178,100	168,800	160,000	151,600	130
135	55.0	181.7	168,700	160,100	151,900	144,100	135
140	53.4	177.9	160,100	152,100	144,400	137,100	140
145	51.7	173.9	152,000	144,500	137,400	130,600	145
150	50.0	169.7	144,400	137,500	130,800	124,400	150
155	48.3	165.2	137,400	130,900	124,600	118,600	155
160	46.5	160.4	130,700	124,700	118,800	113,200	160
165	44.6	155.2	124,500	118,800	113,300	108,100	165
170	42.7	149.8	118,600	113,300	108,200	103,200	170
175	40.7	143.9	113,100	108,100	103,300	98,600	175
180	38.6	137.6	107,800	103,200	98,700	94,300	180
185	36.4	130.8	102,900	98,500	94,300	90,200	185
190	34.0	123.3	98,100	94,100	90,100	86,200	190
195	31.5	115.2	93,600	89,800	86,100	82,500	195
200	28.9	106.2	89,400	85,800	82,300	79,000	200
205	25.9	96.0	85,300	82,000	78,700	75,600	205
210	22.6	84.2	81,300	78,300	75,300	72,400	210
215	18.6	69.9	77,500	74,800	72,000	69,400	215

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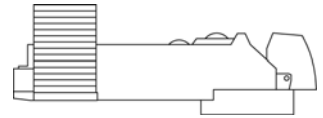
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240.0 ft Boom							
40	82.8	241.7	633,700				40
45	81.6	240.9	599,800	511,100			45
50	80.3	240.0	543,900	492,600	424,600		50
55	79.1	239.0	498,400	455,400	412,000	336,000	55
60	77.9	237.8	455,000	417,200	381,900	336,000	60
65	76.7	236.6	416,400	383,300	352,400	324,900	65
70	75.4	235.3	383,000	353,900	326,600	302,100	70
75	74.2	233.8	353,900	328,000	303,700	281,800	75
80	72.9	232.2	328,300	305,100	283,400	263,600	80
85	71.7	230.5	305,600	284,700	265,100	247,200	85
90	70.4	228.7	285,300	266,400	248,700	232,400	90
95	69.1	226.7	267,100	249,900	233,800	218,900	95
100	67.8	224.6	250,600	235,000	220,200	206,500	100
105	66.5	222.4	235,700	221,400	207,800	194,900	105
110	65.2	220.0	222,100	208,900	196,200	184,100	110
115	63.9	217.5	209,600	197,300	185,400	174,200	115
120	62.5	214.9	198,100	186,400	175,400	165,000	120
125	61.2	212.1	187,100	176,400	166,100	156,500	125
130	59.8	209.1	177,100	167,100	157,600	148,600	130
135	58.4	206.0	167,700	158,400	149,600	141,200	135
140	56.9	202.7	159,100	150,400	142,200	134,300	140
145	55.5	199.2	151,000	142,900	135,200	127,900	145
150	54.0	195.5	143,500	135,900	128,700	121,800	150
155	52.5	191.6	136,400	129,400	122,600	116,100	155
160	50.9	187.5	129,800	123,200	116,800	110,700	160
165	49.3	183.1	123,600	117,400	111,400	105,700	165
170	47.7	178.5	117,800	111,900	106,300	100,900	170
175	46.1	173.7	112,200	106,700	101,400	96,300	175
180	44.3	168.5	107,000	101,800	96,800	92,000	180
185	42.6	163.0	102,100	97,200	92,500	87,900	185
190	40.7	157.1	97,400	92,800	88,300	84,100	190
195	38.8	150.9	92,900	88,600	84,400	80,400	195
200	36.8	144.2	88,700	84,600	80,700	76,800	200
205	34.7	136.9	84,600	80,800	77,100	73,500	205
210	32.5	129.1	80,800	77,200	73,700	70,300	210
215	30.1	120.5	77,000	73,700	70,400	67,200	215
220	27.6	110.9	73,500	70,300	67,300	64,300	220
225	24.7	100.2	70,100	67,200	64,300	61,500	225
230	21.5	87.8	66,800	64,100	61,400	58,800	230
235	17.8	72.9	63,600	61,100	58,700	56,300	235

Liftcrane Boom Capacities

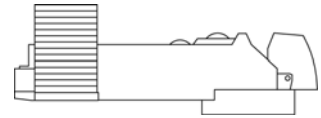
Boom No. 55-79A with 100 ft Mast No. 56
 528,000 lb Crane Counterweight
 Pedestal Mount - Four Swing Drives
 0 Degree thru 3 Degree Static Machine List
 360 Degree Rating



Oper. Radius Feet	Boom Angle Deg.	Boom Point Elev. Feet	0 Degree List Boom Capacity Pounds	1 Degree List Boom Capacity Pounds	2 Degree List Boom Capacity Pounds	Oper. Radius Feet
260.0 ft Boom						
45	82.2	261.1	562,600			45
50	81.1	260.3	509,600	448,400		50
55	80.0	259.4	466,600	422,500	345,900	55
60	78.9	258.3	430,900	393,400	345,900	60
65	77.7	257.2	400,700	368,300	340,200	65
70	76.6	256.0	374,800	346,500	320,100	70
75	75.4	254.6	350,800	323,300	297,600	75
80	74.3	253.2	325,200	300,600	277,600	80
85	73.1	251.6	302,500	280,400	259,600	85
90	72.0	249.9	282,300	262,200	243,400	90
95	70.8	248.1	264,100	245,900	228,700	95
100	69.6	246.2	247,700	231,000	215,300	100
105	68.4	244.2	232,800	217,500	203,100	105
110	67.2	242.1	219,200	205,100	191,700	110
115	66.0	239.8	206,700	193,700	181,000	115
120	64.8	237.4	195,300	182,900	171,100	120
125	63.6	234.9	184,400	172,900	162,000	125
130	62.3	232.2	174,400	163,700	153,500	130
135	61.1	229.4	165,100	155,100	145,600	135
140	59.8	226.4	156,400	147,100	138,300	140
145	58.5	223.3	148,400	139,700	131,400	145
150	57.2	220.0	140,800	132,700	124,900	150
155	55.8	216.6	133,800	126,200	118,900	155
160	54.5	213.0	127,200	120,000	113,200	160
165	53.1	209.2	121,000	114,300	107,800	165
170	51.7	205.2	115,200	108,800	102,700	170
175	50.2	201.0	109,700	103,700	97,900	175
180	48.8	196.5	104,400	98,800	93,400	180
185	47.3	191.9	99,500	94,200	89,100	185
190	45.7	186.9	94,800	89,800	85,000	190
195	44.1	181.7	90,400	85,600	81,000	195
200	42.5	176.2	86,200	81,700	77,300	200
205	40.8	170.4	82,200	77,900	73,800	205
210	39.0	164.2	78,300	74,300	70,400	210
215	37.2	157.6	74,600	70,800	67,100	215
220	35.3	150.5	71,100	67,500	64,000	220
225	33.3	142.8	67,800	64,400	61,100	225
230	31.2	134.6	64,500	61,300	58,200	230
235	28.9	125.5	61,400	58,400	55,500	235
240	26.4	115.5	58,400	55,600	52,800	240
245	23.7	104.3	55,600	52,900	50,300	245
250	20.6	91.3	52,800	50,300	47,900	250
255	17.0	75.8	50,000	47,800	45,500	255

Liftcrane Boom Capacities

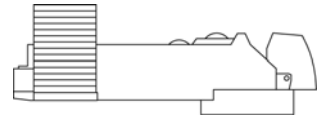
Boom No. 55-79A with 100 ft Mast No. 56
 528,000 lb Crane Counterweight
 Pedestal Mount - Four Swing Drives
 0 Degree thru 3 Degree Static Machine List
 360 Degree Rating



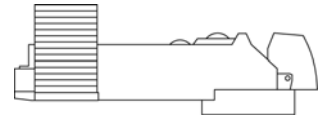
Oper. Radius Feet	Boom Angle Deg.	Boom Point Elev. Feet	0 Degree List Boom Capacity Pounds	1 Degree List Boom Capacity Pounds	2 Degree List Boom Capacity Pounds	Oper. Radius Feet
280.0 ft Boom						
45	82.8	281.4	488,000			45
50	81.7	280.6	481,200	374,100		50
55	80.7	279.7	440,100	362,500	284,400	55
60	79.7	278.8	406,100	351,300	284,400	60
65	78.6	277.7	377,400	340,300	282,400	65
70	77.6	276.6	352,800	323,800	274,700	70
75	76.5	275.3	331,400	305,800	267,000	75
80	75.5	274.0	312,600	289,800	259,500	80
85	74.4	272.5	295,900	275,500	252,100	85
90	73.3	271.0	280,400	259,200	239,400	90
95	72.2	269.4	262,300	243,000	224,900	95
100	71.2	267.6	245,900	228,200	211,700	100
105	70.1	265.8	231,000	214,800	199,600	105
110	69.0	263.8	217,400	202,500	188,400	110
115	67.9	261.7	205,000	191,200	177,800	115
120	66.7	259.5	193,600	180,500	168,100	120
125	65.6	257.2	182,900	170,600	159,000	125
130	64.5	254.8	172,800	161,400	150,700	130
135	63.3	252.2	163,500	152,900	142,900	135
140	62.2	249.5	154,900	145,000	135,600	140
145	61.0	246.7	146,800	137,600	128,800	145
150	59.8	243.8	139,300	130,600	122,400	150
155	58.6	240.7	132,300	124,100	116,400	155
160	57.4	237.4	125,700	118,000	110,700	160
165	56.1	234.0	119,500	112,300	105,400	165
170	54.9	230.4	113,700	106,900	100,400	170
175	53.6	226.7	108,200	101,800	95,600	175
180	52.3	222.8	103,000	96,900	91,100	180
185	51.0	218.7	98,100	92,300	86,800	185
190	49.6	214.4	93,400	88,000	82,700	190
195	48.3	209.9	89,000	83,800	78,900	195
200	46.9	205.2	84,800	79,900	75,200	200
205	45.4	200.2	80,800	76,100	71,700	205
210	43.9	195.0	77,000	72,500	68,300	210
215	42.4	189.4	73,300	69,100	65,100	215
220	40.8	183.6	69,800	65,800	62,000	220
225	39.2	177.4	66,500	62,700	59,100	225
230	37.5	170.9	63,300	59,700	56,200	230
235	35.8	163.9	60,200	56,800	53,500	235
240	33.9	156.5	57,200	54,000	50,900	240
245	32.0	148.5	54,400	51,400	48,400	245
250	30.0	139.8	51,700	48,800	46,000	250
255	27.8	130.4	49,000	46,300	43,600	255
260	25.4	119.9	46,500	43,900	41,400	260
265	22.8	108.2	44,000	41,600	39,200	265
270	19.8	94.7	41,600	39,300	37,100	270
275	16.4	78.5	39,200	37,200	35,100	275

Liftcrane Boom Capacities

Boom No. 55-79A with 100 ft Mast No. 56
 528,000 lb Crane Counterweight
 Pedestal Mount - Four Swing Drives
 0 Degree thru 3 Degree Static Machine List
 360 Degree Rating



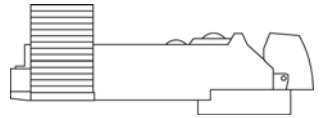
Oper. Radius Feet	Boom Angle Deg.	Boom Point Elev. Feet	0 Degree List Boom Capacity Pounds	1 Degree List Boom Capacity Pounds
300.0 ft Boom				
50	82.3	300.8	430,500	
55	81.3	300.0	416,100	321,100
60	80.4	299.1	383,400	317,400
65	79.4	298.2	355,800	308,100
70	78.4	297.1	332,200	298,900
75	77.4	295.9	311,800	285,400
80	76.4	294.7	293,800	270,400
85	75.5	293.4	277,900	256,900
90	74.5	291.9	263,700	244,700
95	73.5	290.4	250,800	233,600
100	72.5	288.8	239,200	223,400
105	71.5	287.1	227,800	210,700
110	70.4	285.2	214,300	198,500
115	69.4	283.3	201,900	187,300
120	68.4	281.3	190,500	176,800
125	67.3	279.2	179,900	166,900
130	66.3	276.9	169,900	157,800
135	65.2	274.6	160,600	149,300
140	64.2	272.1	151,900	141,400
145	63.1	269.5	143,900	134,100
150	62.0	266.9	136,400	127,200
155	60.9	264.0	129,400	120,700
160	59.8	261.1	122,800	114,700
165	58.7	258.0	116,600	108,900
170	57.6	254.8	110,800	103,600
175	56.4	251.4	105,300	98,500
180	55.2	247.9	100,100	93,600
185	54.1	244.2	95,200	89,100
190	52.9	240.4	90,600	84,700
195	51.6	236.4	86,200	80,600
200	50.4	232.2	82,000	76,700
205	49.1	227.8	78,000	73,000
210	47.8	223.3	74,200	69,400
215	46.5	218.5	70,500	66,000
220	45.1	213.5	67,000	62,700
225	43.8	208.2	63,700	59,600
230	42.3	202.7	60,500	56,600
235	40.9	196.9	57,500	53,800
240	39.4	190.7	54,500	51,000
245	37.8	184.2	51,700	48,300
250	36.2	177.4	49,000	45,800
255	34.5	170.1	46,400	43,300
260	32.7	162.3	43,900	41,000
265	30.9	153.9	41,400	38,700
270	28.9	144.9	39,100	36,500
275	26.8	135.0	36,800	34,300
280	24.5	124.2	34,600	32,200
285	22.0	112.0	32,500	30,200
290	19.1	98.0	30,400	28,300
295	15.8	81.1	28,300	26,400



Liftcrane Boom Capacities

Boom No. 55-79A with 100 ft Mast No. 56
 528,000 lb Crane Counterweight
 Pedestal Mount - Four Swing Drives
 0 Degree thru 3 Degree Static Machine List
 360 Degree Rating

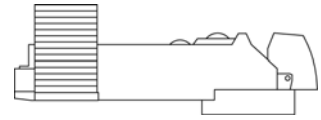
Oper. Radius Feet	Boom Angle Deg.	Boom Point Elev. Feet	0 Degree List Boom Capacity Pounds
320.0 ft Boom			
50	82.8	321.0	397,500
55	81.9	320.3	385,100
60	81.0	319.5	364,300
65	80.1	318.5	337,600
70	79.1	317.5	314,800
75	78.2	316.5	295,100
80	77.3	315.3	277,800
85	76.4	314.0	262,600
90	75.5	312.7	248,900
95	74.5	311.3	236,600
100	73.6	309.8	225,500
105	72.7	308.2	215,300
110	71.7	306.5	206,000
115	70.8	304.7	197,400
120	69.8	302.8	188,400
125	68.8	300.9	177,900
130	67.9	298.8	167,900
135	66.9	296.6	158,700
140	65.9	294.4	150,000
145	64.9	292.0	142,000
150	63.9	289.5	134,500
155	62.9	286.9	127,500
160	61.9	284.2	120,900
165	60.9	281.4	114,800
170	59.8	278.4	108,900
175	58.8	275.3	103,500
180	57.7	272.1	98,300
185	56.6	268.8	93,400
190	55.5	265.3	88,700
195	54.4	261.7	84,300
200	53.3	258.0	80,200
205	52.2	254.0	76,200
210	51.0	249.9	72,400
215	49.9	245.7	68,700
220	48.7	241.2	65,300
225	47.4	236.6	62,000
230	46.2	231.8	58,800
235	44.9	226.7	55,700
240	43.6	221.4	52,800
245	42.3	215.9	50,000
250	40.9	210.1	47,300
255	39.5	204.0	44,700
260	38.0	197.6	42,200
265	36.5	190.8	39,800
270	35.0	183.6	37,500
275	33.3	176.0	35,200
280	31.6	167.9	33,100
285	29.8	159.2	30,900
290	27.9	149.8	28,900
295	25.9	139.5	26,900
300	23.7	128.3	25,000
305	21.2	115.6	23,100
310	18.5	101.1	21,300
315	15.2	83.7	19,400



Liftcrane Boom Capacities

Boom No. 55-79A with 100 ft Mast No. 56
 528,000 lb Crane Counterweight
 Pedestal Mount - Four Swing Drives
 0 Degree thru 3 Degree Static Machine List
 360 Degree Rating

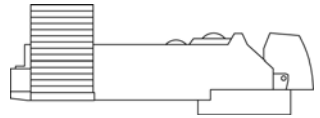
Oper. Radius Feet	Boom Angle Deg.	Boom Point Elev. Feet	0 Degree List Boom Capacity Pounds
340.0 ft Boom			
55	82.4	340.5	313,700
60	81.5	339.7	311,600
65	80.6	338.9	309,500
70	79.8	337.9	298,400
75	78.9	336.9	279,200
80	78.1	335.8	262,500
85	77.2	334.7	247,700
90	76.3	333.4	234,500
95	75.5	332.1	222,600
100	74.6	330.7	211,900
105	73.7	329.2	202,200
110	72.8	327.6	193,200
115	71.9	325.9	185,000
120	71.0	324.2	177,400
125	70.1	322.3	170,300
130	69.2	320.4	163,700
135	68.3	318.4	155,600
140	67.4	316.3	147,000
145	66.5	314.0	138,900
150	65.6	311.8	131,500
155	64.6	309.3	124,500
160	63.7	306.8	117,900
165	62.7	304.2	111,700
170	61.8	301.5	105,900
175	60.8	298.7	100,400
180	59.8	295.7	95,300
185	58.8	292.7	90,400
190	57.9	289.5	85,700
195	56.8	286.2	81,300
200	55.8	282.7	77,200
205	54.8	279.2	73,200
210	53.7	275.5	69,400
215	52.7	271.6	65,800
220	51.6	267.6	62,300
225	50.5	263.5	59,000
230	49.4	259.1	55,800
235	48.2	254.6	52,800
240	47.1	249.9	49,900
245	45.9	245.1	47,100
250	44.7	240.0	44,400
255	43.5	234.7	41,800
260	42.2	229.1	39,300
265	40.9	223.3	36,900
270	39.6	217.2	34,600
275	38.2	210.9	32,400
280	36.8	204.2	30,200
285	35.4	197.1	28,100
290	33.9	189.6	26,100
295	32.3	181.7	24,100
300	30.6	173.3	22,200
305	28.9	164.2	20,400
310	27.0	154.5	18,600
315	25.1	143.9	16,800
320	22.9	132.2	15,100



Liftcrane Boom Capacities

Boom No. 55-79A with 100 ft Mast No. 56
 528,000 lb Crane Counterweight
 Pedestal Mount - Four Swing Drives
 0 Degree thru 3 Degree Static Machine List
 360 Degree Rating

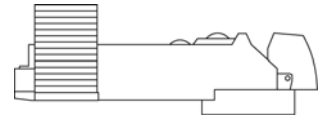
Oper. Radius Feet	Boom Angle Deg.	Boom Point Elev. Feet	0 Degree List Boom Capacity Pounds
360.0 ft Boom			
55	82.8	360.7	298,700
60	82.0	360.0	298,300
65	81.2	359.2	295,800
70	80.4	358.3	282,800
75	79.6	357.3	265,300
80	78.7	356.3	249,000
85	77.9	355.2	234,600
90	77.1	354.0	221,800
95	76.3	352.8	210,300
100	75.5	351.5	199,900
105	74.6	350.0	190,400
110	73.8	348.6	181,800
115	73.0	347.0	173,900
120	72.1	345.4	166,500
125	71.3	343.6	159,700
130	70.5	341.8	153,400
135	69.6	339.9	147,500
140	68.7	337.9	141,900
145	67.9	335.9	136,400
150	67.0	333.7	128,900
155	66.1	331.5	121,900
160	65.3	329.1	115,300
165	64.4	326.7	109,200
170	63.5	324.2	103,400
175	62.6	321.5	97,900
180	61.7	318.8	92,700
185	60.8	316.0	87,800
190	59.8	313.0	83,200
195	58.9	310.0	78,800
200	58.0	306.8	74,600
205	57.0	303.5	70,700
210	56.1	300.1	66,900
215	55.1	296.6	63,300
220	54.1	293.0	59,800
225	53.1	289.2	56,500
230	52.1	285.2	53,300
235	51.1	281.2	50,300
240	50.0	276.9	47,400
245	49.0	272.5	44,600
250	47.9	268.0	41,900
255	46.8	263.3	39,400
260	45.7	258.3	36,900
265	44.5	253.2	34,500
270	43.4	247.9	32,200
275	42.2	242.3	30,000
280	41.0	236.6	27,800
285	39.7	230.5	25,700
290	38.4	224.2	23,700
295	37.1	217.5	21,800
300	35.7	210.6	19,900
305	34.3	203.2	18,100
310	32.9	195.5	16,300



Liftcrane Boom Capacities

Boom No. 55-79A with 100 ft Mast No. 56
 528,000 lb Crane Counterweight
 Pedestal Mount - Four Swing Drives
 0 Degree thru 3 Degree Static Machine List
 360 Degree Rating

Oper. Radius Feet	Boom Angle Deg.	Boom Point Elev. Feet	0 Degree List Boom Capacity Pounds
380.0 ft Boom			
60	82.4	380.2	257,400
65	81.6	379.4	256,000
70	80.9	378.6	254,600
75	80.1	377.7	252,100
80	79.3	376.7	236,200
85	78.6	375.7	222,100
90	77.8	374.6	209,600
95	77.0	373.4	198,400
100	76.2	372.1	188,300
105	75.5	370.8	179,100
110	74.7	369.4	170,700
115	73.9	367.9	163,000
120	73.1	366.4	155,900
125	72.3	364.8	149,300
130	71.5	363.1	143,200
135	70.7	361.3	137,500
140	69.9	359.4	132,100
145	69.1	357.5	127,100
150	68.3	355.5	122,300
155	67.5	353.4	117,800
160	66.7	351.2	112,200
165	65.8	348.9	106,000
170	65.0	346.5	100,200
175	64.2	344.1	94,800
180	63.3	341.5	89,600
185	62.5	338.9	84,700
190	61.6	336.1	80,100
195	60.7	333.3	75,700
200	59.9	330.4	71,500
205	59.0	327.3	67,500
210	58.1	324.2	63,800
215	57.2	320.9	60,100
220	56.3	317.5	56,700
225	55.4	314.0	53,400
230	54.4	310.4	50,200
235	53.5	306.7	47,200
240	52.5	302.8	44,300
245	51.6	298.8	41,500
250	50.6	294.7	38,900
255	49.6	290.4	36,300
260	48.6	286.0	33,800
265	47.6	281.4	31,400
270	46.5	276.6	29,100
275	45.5	271.6	26,900
280	44.4	266.5	24,800
285	43.3	261.1	22,700
290	42.1	255.6	20,700
295	41.0	249.8	18,800
300	39.8	243.8	16,900
305	38.6	237.5	15,100



Liftcrane Boom Capacities

Boom No. 55-79A with 100 ft Mast No. 56
 528,000 lb Crane Counterweight
 Pedestal Mount - Four Swing Drives
 0 Degree thru 3 Degree Static Machine List
 360 Degree Rating

Oper. Radius Feet	Boom Angle Deg.	Boom Point Elev. Feet	0 Degree List Boom Capacity Pounds
400.0 ft Boom			
60	82.8	400.4	220,200
65	82.1	399.7	220,200
70	81.3	398.9	220,200
75	80.6	398.0	220,200
80	79.9	397.1	219,300
85	79.2	396.1	211,400
90	78.4	395.1	199,100
95	77.7	394.0	188,100
100	77.0	392.8	178,200
105	76.2	391.5	169,300
110	75.5	390.2	161,100
115	74.7	388.8	153,600
120	74.0	387.3	146,700
125	73.2	385.8	140,300
130	72.5	384.2	134,300
135	71.7	382.5	128,800
140	71.0	380.7	123,600
145	70.2	378.9	118,800
150	69.4	377.0	114,200
155	68.7	375.0	109,900
160	67.9	373.0	105,800
165	67.1	370.8	101,900
170	66.3	368.6	97,900
175	65.5	366.3	92,500
180	64.7	363.9	87,300
185	63.9	361.4	82,400
190	63.1	358.9	77,800
195	62.3	356.2	73,400
200	61.5	353.5	69,200
205	60.7	350.6	65,300
210	59.9	347.7	61,500
215	59.0	344.6	57,900
220	58.2	341.5	54,400
225	57.3	338.3	51,100
230	56.5	334.9	48,000
235	55.6	331.5	45,000
240	54.7	327.9	42,100
245	53.8	324.2	39,300
250	52.9	320.4	36,600
255	52.0	316.5	34,100
260	51.1	312.4	31,600
265	50.2	308.2	29,200
270	49.2	303.8	26,900
275	48.2	299.3	24,700
280	47.3	294.7	22,600
285	46.3	289.9	20,500
290	45.3	284.9	18,500
295	44.2	279.7	16,600