



Liftcrane Boom Capacities

Boom No. 55 or No. 55A 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. A04341**, Wire Rope Specification chart **No. 8514-C or 8514-D** 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.

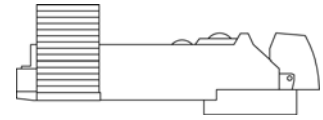
MACHINE EQUIPMENT: Machine equipped with **four swing drives**, 30 ft live mast, 100 ft mast, 16 part boom hoist reeving, boom support straps, and 528,000 lb crane counterweight.

Maximum Boom Lengths Lifted Unassisted	
List	Boom Length
0 Degree	320 ft
1 Degree	300 ft
2 Degree	280 ft
3 Degree	260 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 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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120.0 ft Boom							
24	83.2	122.8	1,175,400				24
26	82.3	122.4	1,088,300				26
28	81.3	122.1	1,012,300	929,200			28
30	80.3	121.7	945,600	871,100	800,600		30
32	79.3	121.2	886,500	819,300	755,800	699,600	32
34	78.4	120.7	833,900	773,000	715,300	664,100	34
36	77.4	120.2	786,600	731,200	678,700	631,700	36
38	76.4	119.7	744,000	693,300	645,300	602,100	38
40	75.4	119.1	705,400	658,800	614,700	574,800	40
45	72.9	117.4	622,900	584,800	548,600	515,500	45
50	70.3	115.5	556,100	524,300	494,100	466,200	50
55	67.7	113.4	500,900	474,000	448,300	424,500	55
60	65.1	110.9	454,500	431,500	409,400	388,800	60
65	62.4	108.2	415,000	395,000	375,900	357,900	65
70	59.6	105.2	380,800	363,400	346,700	330,900	70
75	56.7	101.8	351,100	335,800	321,100	307,100	75
80	53.7	98.0	324,900	311,400	298,400	286,000	80
85	50.6	93.8	301,700	289,700	278,100	267,100	85
90	47.3	89.0	280,900	270,300	260,000	250,100	90
95	43.8	83.7	262,300	252,800	243,600	234,800	95
100	40.1	77.7	245,400	237,000	228,800	220,800	100
105	36.0	70.7	230,100	222,600	215,200	207,800	105
110	31.4	62.5	216,100	209,200	202,400	195,800	110
115	26.0	52.4	202,700	196,600	190,700	184,900	115
120	19.1	38.8	190,300	185,100	180,000	175,000	120

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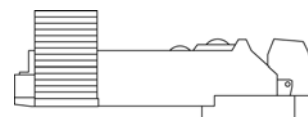
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140.0 ft Boom							
28	82.6	142.4	1,004,800				28
30	81.7	142.0	938,700	856,500			30
32	80.9	141.6	880,000	805,800	736,000		32
34	80.1	141.2	827,800	760,400	697,000		34
36	79.2	140.8	780,800	719,400	661,600	610,600	36
38	78.4	140.3	738,400	682,200	629,300	582,300	38
40	77.5	139.8	700,000	648,400	599,700	556,300	40
45	75.4	138.4	618,000	575,600	535,500	499,400	45
50	73.3	136.8	551,500	516,000	482,500	451,900	50
55	71.1	135.0	496,500	466,400	437,900	411,700	55
60	68.9	133.0	450,300	424,400	399,800	377,100	60
65	66.6	130.8	410,900	388,400	367,000	347,200	65
70	64.4	128.3	376,900	357,200	338,400	320,900	70
75	62.0	125.5	347,200	329,900	313,300	297,700	75
80	59.6	122.5	321,100	305,800	291,000	277,100	80
85	57.2	119.2	298,000	284,300	271,100	258,600	85
90	54.6	115.5	277,400	265,100	253,300	242,000	90
95	52.0	111.5	258,800	247,800	237,100	227,000	95
100	49.3	107.1	242,100	232,100	222,500	213,300	100
105	46.5	102.3	226,900	217,800	209,100	200,500	105
110	43.5	96.9	213,000	204,800	196,600	188,700	110
115	40.3	90.9	200,100	192,400	185,000	177,800	115
120	36.8	84.2	187,900	181,000	174,300	167,800	120
125	33.1	76.5	176,700	170,500	164,400	158,500	125
130	28.8	67.4	166,300	160,700	155,300	150,000	130
135	23.9	56.4	156,600	151,700	146,800	142,100	135
140	17.5	41.6	147,500	143,200	139,000	134,900	140

Liftcrane Boom Capacities

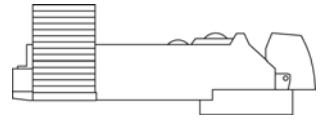
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160.0 ft Boom							
30	82.8	162.3	930,600				30
32	82.0	162.0	872,500				32
34	81.3	161.6	820,600	747,100			34
36	80.6	161.2	774,000	706,900	644,100		36
38	79.9	160.8	731,900	670,400	612,800	562,400	38
40	79.1	160.4	693,700	637,100	584,100	537,500	40
45	77.3	159.2	612,100	565,500	521,800	482,900	45
50	75.4	157.8	545,900	506,900	470,200	437,100	50
55	73.6	156.2	491,100	457,900	426,700	398,300	55
60	71.7	154.5	445,000	416,500	389,500	364,800	60
65	69.7	152.6	405,700	380,900	357,400	335,800	65
70	67.8	150.5	371,900	350,100	329,400	310,300	70
75	65.8	148.1	342,300	323,000	304,700	287,700	75
80	63.8	145.6	316,300	299,200	282,800	267,600	80
85	61.8	142.8	293,300	277,900	263,300	249,500	85
90	59.7	139.8	272,700	258,900	245,700	233,300	90
95	57.5	136.6	254,200	241,800	229,800	218,500	95
100	55.3	133.0	237,600	226,200	215,400	205,100	100
105	53.1	129.2	222,400	212,100	202,200	192,700	105
110	50.8	125.0	208,600	199,200	190,000	181,100	110
115	48.3	120.5	195,900	187,100	178,500	170,300	115
120	45.8	115.5	183,900	175,800	168,000	160,500	120
125	43.2	110.1	172,800	165,400	158,200	151,300	125
130	40.4	104.2	162,500	155,800	149,200	142,900	130
135	37.4	97.6	153,000	146,800	140,800	135,000	135
140	34.3	90.2	144,100	138,500	133,000	127,700	140
145	30.8	81.8	135,900	130,700	125,700	120,800	145
150	26.8	72.0	128,100	123,400	118,900	114,500	150
155	22.2	60.1	120,700	116,600	112,500	108,500	155
160	16.2	44.2	113,700	110,100	106,500	103,000	160

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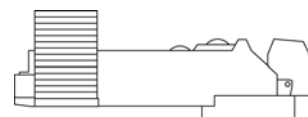
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180.0 ft Boom							
32	82.9	182.2	865,800				32
34	82.3	181.9	814,200				34
36	81.6	181.6	767,800	695,300			36
38	81.0	181.2	726,000	659,400	597,300		38
40	80.3	180.8	687,900	626,600	569,500		40
45	78.7	179.8	606,600	556,100	508,800	467,200	45
50	77.1	178.5	540,600	498,200	458,500	423,100	50
55	75.4	177.2	486,000	449,800	415,900	385,400	55
60	73.8	175.6	440,000	408,800	379,600	353,000	60
65	72.1	173.9	400,800	373,600	348,100	324,700	65
70	70.4	172.1	366,900	343,100	320,600	299,900	70
75	68.7	170.1	337,400	316,300	296,300	277,900	75
80	66.9	167.9	311,500	292,600	274,800	258,200	80
85	65.2	165.5	288,500	271,600	255,500	240,600	85
90	63.4	162.9	267,900	252,700	238,200	224,600	90
95	61.6	160.1	249,500	235,700	222,500	210,200	95
100	59.7	157.1	232,800	220,300	208,300	197,000	100
105	57.8	153.9	217,700	206,200	195,300	184,900	105
110	55.9	150.5	203,900	193,400	183,400	173,500	110
115	53.9	146.7	191,200	181,600	172,100	163,000	115
120	51.9	142.7	179,500	170,400	161,600	153,200	120
125	49.8	138.4	168,400	160,000	151,900	144,200	125
130	47.6	133.8	158,200	150,400	143,000	135,800	130
135	45.3	128.8	148,700	141,600	134,700	128,000	135
140	43.0	123.3	139,900	133,300	126,900	120,800	140
145	40.5	117.4	131,600	125,600	119,700	114,000	145
150	37.9	110.9	123,900	118,300	112,900	107,600	150
155	35.1	103.8	116,700	111,500	106,500	101,600	155
160	32.2	95.8	109,900	105,200	100,500	96,000	160
165	28.9	86.8	103,500	99,100	94,900	90,700	165
170	25.2	76.3	97,400	93,500	89,600	85,700	170
175	20.8	63.5	91,700	88,000	84,500	81,100	175
180	15.2	46.6	86,100	82,900	79,800	76,700	180

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200.0 ft Boom							
36	82.5	201.8	763,400				36
38	81.9	201.5	721,700	650,400			38
40	81.3	201.1	683,900	618,100			40
45	79.9	200.2	603,000	548,600	498,000	454,000	45
50	78.4	199.1	537,200	491,500	448,900	411,300	50
55	76.9	197.9	482,800	443,700	407,300	374,900	55
60	75.4	196.5	436,900	403,200	371,700	343,500	60
65	73.9	195.0	397,800	368,400	340,900	316,000	65
70	72.4	193.4	364,000	338,100	313,900	291,800	70
75	70.9	191.6	334,500	311,600	290,100	270,300	75
80	69.4	189.6	308,600	288,200	268,900	251,100	80
85	67.8	187.6	285,700	267,300	249,900	233,900	85
90	66.3	185.3	265,100	248,600	232,900	218,300	90
95	64.7	182.9	246,700	231,700	217,400	204,100	95
100	63.1	180.2	230,100	216,400	203,400	191,200	100
105	61.4	177.4	215,000	202,500	190,500	179,300	105
110	59.7	174.5	201,200	189,700	178,800	168,300	110
115	58.0	171.3	188,600	178,000	167,800	157,900	115
120	56.3	167.9	177,000	167,100	157,400	148,300	120
125	54.5	164.2	166,100	156,800	147,900	139,400	125
130	52.7	160.4	155,900	147,300	139,000	131,100	130
135	50.9	156.2	146,400	138,400	130,800	123,500	135
140	49.0	151.8	137,600	130,200	123,100	116,300	140
145	47.0	147.1	129,400	122,500	115,900	109,600	145
150	45.0	142.0	121,700	115,300	109,200	103,300	150
155	42.8	136.6	114,500	108,600	102,900	97,300	155
160	40.6	130.7	107,800	102,300	96,900	91,800	160
165	38.3	124.3	101,500	96,300	91,300	86,500	165
170	35.8	117.3	95,500	90,700	86,000	81,600	170
175	33.2	109.7	89,800	85,400	81,000	76,900	175
180	30.4	101.1	84,400	80,300	76,300	72,400	180
185	27.3	91.5	79,300	75,500	71,800	68,200	185
190	23.8	80.3	74,400	70,900	67,500	64,200	190
195	19.6	66.8	69,700	66,600	63,500	60,400	195

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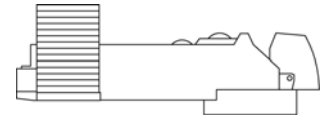
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220.0 ft Boom							
38	82.6	221.7	715,100				38
40	82.1	221.4	677,500				40
45	80.8	220.6	596,900	538,800	485,000		45
50	79.5	219.6	531,400	482,400	437,100	397,500	50
55	78.1	218.5	477,100	435,200	396,400	362,200	55
60	76.8	217.2	431,300	395,200	361,600	331,700	60
65	75.5	215.9	392,300	360,700	331,300	304,900	65
70	74.1	214.4	358,600	330,800	304,800	281,400	70
75	72.7	212.8	329,100	304,500	281,400	260,400	75
80	71.3	211.1	303,300	281,200	260,600	241,700	80
85	70.0	209.2	280,300	260,500	241,900	224,800	85
90	68.6	207.1	259,900	241,900	225,100	209,500	90
95	67.1	205.0	241,500	225,200	209,800	195,600	95
100	65.7	202.7	224,800	210,000	196,000	182,900	100
105	64.2	200.2	209,800	196,200	183,300	171,300	105
110	62.8	197.6	196,000	183,500	171,700	160,600	110
115	61.3	194.8	183,400	171,900	161,000	150,400	115
120	59.8	191.8	171,800	161,200	150,800	140,900	120
125	58.2	188.6	161,100	151,000	141,300	132,200	125
130	56.7	185.3	151,000	141,500	132,600	124,100	130
135	55.1	181.7	141,500	132,800	124,400	116,500	135
140	53.4	178.0	132,700	124,600	116,800	109,400	140
145	51.8	173.9	124,500	116,900	109,700	102,800	145
150	50.1	169.7	116,900	109,800	103,000	96,500	150
155	48.3	165.2	109,700	103,100	96,800	90,700	155
160	46.5	160.4	103,000	96,800	90,900	85,200	160
165	44.6	155.2	96,700	90,900	85,300	80,000	165
170	42.7	149.8	90,700	85,300	80,100	75,000	170
175	40.7	143.9	85,100	80,000	75,100	70,400	175
180	38.6	137.6	79,700	75,000	70,400	66,000	180
185	36.4	130.8	74,700	70,300	65,900	61,800	185
190	34.1	123.3	69,900	65,700	61,700	57,800	190
195	31.6	115.2	65,300	61,400	57,700	54,000	195
200	28.9	106.2	60,900	57,300	53,800	50,400	200
205	25.9	96.0	56,700	53,400	50,100	46,900	205
210	22.6	84.2	52,700	49,600	46,600	43,600	210
215	18.7	69.9	48,800	46,000	43,200	40,500	215

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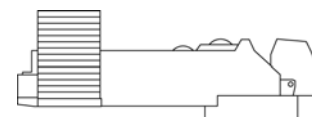
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240.0 ft Boom							
40	82.8	241.7	672,700				40
45	81.6	240.9	592,500	530,800			45
50	80.4	240.0	527,200	475,100	427,200		50
55	79.1	239.0	473,100	428,500	387,400	351,500	55
60	77.9	237.8	427,500	388,900	353,300	321,900	60
65	76.7	236.6	388,500	354,800	323,600	295,900	65
70	75.5	235.3	354,900	325,200	297,600	272,900	70
75	74.2	233.8	325,500	299,100	274,600	252,400	75
80	73.0	232.2	299,700	276,100	254,100	234,100	80
85	71.7	230.5	276,800	255,600	235,700	217,600	85
90	70.4	228.7	256,300	237,100	219,200	202,700	90
95	69.1	226.7	238,000	220,500	204,100	189,100	95
100	67.9	224.6	221,400	205,400	190,500	176,600	100
105	66.5	222.4	206,300	191,700	178,000	165,200	105
110	65.2	220.1	192,600	179,200	166,500	154,700	110
115	63.9	217.5	180,000	167,600	155,900	144,800	115
120	62.5	214.9	168,400	157,000	146,000	135,500	120
125	61.2	212.1	157,800	147,000	136,600	126,900	125
130	59.8	209.1	147,800	137,600	128,000	118,900	130
135	58.4	206.0	138,300	128,900	119,900	111,400	135
140	56.9	202.7	129,600	120,800	112,400	104,400	140
145	55.5	199.2	121,400	113,200	105,300	97,900	145
150	54.0	195.5	113,800	106,100	98,700	91,700	150
155	52.5	191.6	106,600	99,400	92,500	86,000	155
160	51.0	187.5	99,900	93,200	86,700	80,500	160
165	49.4	183.1	93,600	87,300	81,200	75,400	165
170	47.7	178.5	87,700	81,700	76,000	70,500	170
175	46.1	173.7	82,100	76,500	71,100	65,900	175
180	44.4	168.5	76,800	71,500	66,400	61,500	180
185	42.6	163.0	71,700	66,800	62,000	57,400	185
190	40.8	157.1	67,000	62,300	57,800	53,400	190
195	38.8	150.9	62,400	58,000	53,800	49,700	195
200	36.8	144.2	58,100	54,000	50,000	46,100	200
205	34.7	136.9	54,000	50,100	46,300	42,600	205
210	32.5	129.1	50,000	46,400	42,800	39,400	210
215	30.1	120.5	46,300	42,800	39,500	36,200	215
220	27.6	110.9	42,600	39,400	36,300	33,200	220
225	24.8	100.2	39,100	36,100	33,200	30,400	225
230	21.6	87.8	35,800	33,000	30,300	27,600	230
235	17.8	72.9	32,500	29,900	27,400	25,000	235

Liftcrane Boom Capacities

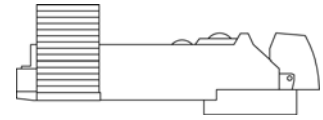
Boom No. 55 or No. 55A with 100 ft Mast No. 56
 528,000 lb Crane Counterweight
 Pedestal Mount - Four Swing Drives
 0 Degree thru 3 Degree Static Machine List
 360 Degree Rating



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	3 Degree List Boom Capacity Pounds	Oper. Radius Feet
260.0 ft Boom							
45	82.2	261.1	586,100				45
50	81.1	260.3	521,100	466,000			50
55	80.0	259.4	467,100	419,900	376,600	328,500	55
60	78.9	258.3	421,600	380,700	343,100	310,300	60
65	77.7	257.2	382,700	347,000	314,000	285,000	65
70	76.6	256.0	349,200	317,600	288,500	262,600	70
75	75.5	254.6	319,900	291,800	265,800	242,600	75
80	74.3	253.2	294,100	269,000	245,700	224,700	80
85	73.2	251.6	271,200	248,600	227,600	208,500	85
90	72.0	249.9	250,800	230,300	211,300	193,900	90
95	70.8	248.1	232,400	213,800	196,500	180,600	95
100	69.7	246.2	215,900	198,900	183,000	168,400	100
105	68.5	244.2	200,800	185,200	170,600	157,200	105
110	67.3	242.1	187,100	172,700	159,300	146,800	110
115	66.1	239.8	174,500	161,300	148,800	137,200	115
120	64.8	237.4	163,000	150,700	139,200	128,100	120
125	63.6	234.9	152,300	140,900	129,900	119,600	125
130	62.3	232.2	142,500	131,700	121,400	111,700	130
135	61.1	229.4	133,200	123,000	113,400	104,300	135
140	59.8	226.4	124,400	114,900	105,900	97,400	140
145	58.5	223.3	116,200	107,400	98,900	91,000	145
150	57.2	220.1	108,600	100,300	92,400	84,900	150
155	55.9	216.6	101,500	93,700	86,300	79,200	155
160	54.5	213.0	94,800	87,400	80,500	73,800	160
165	53.1	209.2	88,500	81,600	75,000	68,800	165
170	51.7	205.2	82,500	76,100	69,900	64,000	170
175	50.3	201.0	76,900	70,800	65,000	59,400	175
180	48.8	196.5	71,700	65,900	60,400	55,100	180
185	47.3	191.9	66,600	61,200	56,000	51,000	185
190	45.7	186.9	61,900	56,700	51,800	47,100	190
195	44.1	181.7	57,400	52,500	47,800	43,300	195
200	42.5	176.2	53,100	48,500	44,000	39,800	200
205	40.8	170.4	49,000	44,600	40,400	36,400	205
210	39.0	164.2	45,100	40,900	37,000	33,100	210
215	37.2	157.6	41,300	37,400	33,700	30,000	215
220	35.3	150.5	37,700	34,100	30,500	27,000	220
225	33.3	142.8	34,300	30,800	27,500	24,200	225
230	31.2	134.6	31,000	27,700	24,500	21,400	230
235	28.9	125.5	27,800	24,700	21,700	18,800	235
240	26.4	115.5	24,700	21,800	19,000	16,300	240
245	23.7	104.3	21,800	19,100	16,400		245
250	20.7	91.3	18,900	16,400			250
255	17.1	75.8	16,100				255

Liftcrane Boom Capacities

Boom No. 55 or No. 55A 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



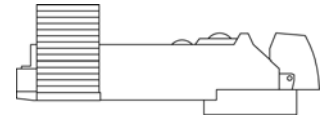
Oper. Radius Feet	Boom Angle Deg.	Boom Point Elev. Feet	0 Degree List Boom Capacity Pounds	1 Degree List Boom Capacity Pounds	2 Degree List Boom Capacity Pounds	Oper. Radius Feet
280.0 ft Boom						
45	82.8	281.4	581,200			45
50	81.8	280.6	516,500	458,400		50
55	80.7	279.7	462,700	412,900	356,000	55
60	79.7	278.8	417,300	374,100	334,700	60
65	78.6	277.7	378,500	340,700	306,100	65
70	77.6	276.6	345,000	311,600	281,000	70
75	76.5	275.3	315,800	286,100	258,800	75
80	75.5	274.0	290,000	263,400	238,900	80
85	74.4	272.5	267,200	243,200	221,100	85
90	73.3	271.0	246,800	225,100	205,000	90
95	72.3	269.4	228,500	208,700	190,400	95
100	71.2	267.6	211,900	193,900	177,100	100
105	70.1	265.8	196,900	180,300	164,900	105
110	69.0	263.8	183,200	167,900	153,700	110
115	67.9	261.7	170,600	156,600	143,400	115
120	66.8	259.5	159,100	146,100	133,800	120
125	65.6	257.2	148,400	136,300	124,800	125
130	64.5	254.8	138,600	127,300	116,300	130
135	63.3	252.2	129,500	118,600	108,400	135
140	62.2	249.5	120,700	110,600	101,000	140
145	61.0	246.7	112,600	103,100	94,100	145
150	59.8	243.8	105,000	96,100	87,700	150
155	58.6	240.7	97,800	89,500	81,600	155
160	57.4	237.4	91,100	83,300	75,900	160
165	56.2	234.0	84,900	77,500	70,500	165
170	54.9	230.4	78,900	72,000	65,300	170
175	53.6	226.7	73,400	66,800	60,500	175
180	52.3	222.8	68,100	61,900	55,900	180
185	51.0	218.7	63,100	57,200	51,600	185
190	49.7	214.4	58,300	52,800	47,400	190
195	48.3	209.9	53,800	48,600	43,500	195
200	46.9	205.2	49,600	44,600	39,800	200
205	45.4	200.2	45,500	40,700	36,200	205
210	43.9	195.0	41,600	37,100	32,700	210
215	42.4	189.4	37,900	33,600	29,500	215
220	40.9	183.6	34,300	30,200	26,300	220
225	39.2	177.4	30,900	27,000	23,300	225
230	37.5	170.9	27,600	24,000	20,400	230
235	35.8	163.9	24,500	21,000	17,600	235
240	34.0	156.5	21,500	18,200	15,000	240
245	32.0	148.5	18,500	15,400		245
250	30.0	139.8	15,700			250

Liftcrane Boom Capacities

Boom No. 55 or No. 55A 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	510,200	
55	81.3	300.0	456,600	404,200
60	80.4	299.1	411,300	365,900
65	79.4	298.2	372,600	332,800
70	78.4	297.1	339,200	304,000
75	77.4	295.9	310,000	278,700
80	76.5	294.7	284,300	256,200
85	75.5	293.4	261,500	236,200
90	74.5	291.9	241,100	218,200
95	73.5	290.4	222,800	201,900
100	72.5	288.8	206,200	187,200
105	71.5	287.1	191,200	173,700
110	70.5	285.2	177,500	161,400
115	69.4	283.3	165,000	150,100
120	68.4	281.3	153,500	139,700
125	67.4	279.2	142,900	130,000
130	66.3	276.9	133,000	121,100
135	65.3	274.6	123,900	112,600
140	64.2	272.1	115,400	104,600
145	63.1	269.5	107,200	97,100
150	62.0	266.9	99,600	90,200
155	60.9	264.0	92,500	83,600
160	59.8	261.1	85,800	77,400
165	58.7	258.0	79,500	71,600
170	57.6	254.8	73,600	66,200
175	56.4	251.4	68,000	61,000
180	55.3	247.9	62,800	56,100
185	54.1	244.2	57,800	51,500
190	52.9	240.4	53,000	47,100
195	51.6	236.4	48,500	42,900
200	50.4	232.2	44,300	38,900
205	49.1	227.8	40,200	35,100
210	47.8	223.3	36,300	31,400
215	46.5	218.5	32,600	28,000
220	45.2	213.5	29,100	24,600
225	43.8	208.2	25,700	21,500
230	42.4	202.7	22,400	18,400
235	40.9	196.9	19,300	15,500
240	39.4	190.7	16,300	



Liftcrane Boom Capacities

Boom No. 55 or No. 55A with 100 ft Mast No. 56
 528,000 lb Crane Counterweight
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 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	509,200
55	81.9	320.3	455,800
60	81.0	319.5	410,700
65	80.1	318.5	372,100
70	79.2	317.5	338,800
75	78.2	316.5	309,600
80	77.3	315.3	284,000
85	76.4	314.1	261,200
90	75.5	312.7	240,900
95	74.5	311.3	222,600
100	73.6	309.8	206,100
105	72.7	308.2	191,100
110	71.7	306.5	177,400
115	70.8	304.7	164,900
120	69.8	302.8	153,400
125	68.9	300.9	142,800
130	67.9	298.8	133,000
135	66.9	296.6	123,900
140	65.9	294.4	115,400
145	64.9	292.0	107,300
150	63.9	289.5	99,700
155	62.9	286.9	92,600
160	61.9	284.2	86,000
165	60.9	281.4	79,700
170	59.8	278.4	73,800
175	58.8	275.3	68,200
180	57.7	272.1	63,000
185	56.7	268.8	58,000
190	55.6	265.3	53,300
195	54.5	261.7	48,800
200	53.3	258.0	44,500
205	52.2	254.0	40,500
210	51.0	249.9	36,600
215	49.9	245.7	32,900
220	48.7	241.2	29,400
225	47.5	236.6	26,000
230	46.2	231.8	22,700
235	44.9	226.7	19,600
240	43.6	221.4	16,700