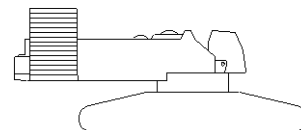


Liftcrane Boom Capacities

Boom No. 55-79A with 100 Ft. Mast No. 56
528,000 Lb. Crane Counterweight
320,000 Lb. Carbody Counterweight
360 Degree Rating

Meets
ANSI B30.5
Requirements

18000



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 (*).

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. 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, travel, wind conditions, as well as adverse operating conditions and physical machine depreciation. Refer to operators 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 Maximum Allowable Travel Specification chart **No. 8517-A**.

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 ground level to centerline of boom point shaft.

MACHINE EQUIPMENT: Machine equipped with 38 Ft. 9 in. crawlers, 60 in. treads, 30 Ft. live mast, 100 Ft. mast, 16 part boom hoist reeving, boom support straps, 528,000 Lb. crane counterweight and 320,000 Lb. carbody counterweight.

Maximum Boom Length Lifted Unassisted	
Over End of Blocked Crawlers	Over Side of Crawlers
Boom Length	Boom Length
400 Ft.	380 Ft.
Load block, hook and weight ball on ground at start.	

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

Boom Catwalks Deduct
Deduct 800 Lbs. from capacities when boom catwalks are attached.

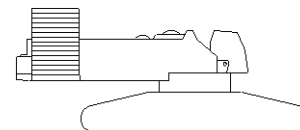
Upper Boom Point Capacity For Liftcrane Service - Whip Line		
28 mm		32 mm
Drum 2	Drum 3	Drum 2
Single Part Line		
35,800 Lb.	30,000 Lb.	48,800 Lb.
Two Part Line		
Upper Boom Point No. 170419		
60,000 Lb.	60,000 Lb.	60,000 Lb.
Upper Boom Point No. A08516		
71,600 Lb.	60,000 Lb.	97,600 Lb.
In all cases,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

Liftcrane Boom Capacities

Meets
ANSI B30.5
Requirements

18000

Boom No. 55-79A with 100 Ft. Mast No. 56
528,000 Lb. Crane Counterweight
320,000 Lb. Carbody Counterweight
360 Degree Rating



Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
120 Ft. Boom			
26	82.2	129.6	1,000,000 *
28	81.3	129.2	1,000,000 *
30	80.3	128.8	1,000,000 *
32	79.3	128.4	946,400 *
34	78.3	127.9	891,600 *
36	77.3	127.4	842,600 *
38	76.3	126.8	798,400 *
40	75.4	126.2	758,500 *
45	72.8	124.6	670,200 *
50	70.3	122.7	595,800 *
55	67.7	120.6	535,500 *
60	65.0	118.1	485,500 *
65	62.3	115.4	443,500 *
70	59.5	112.3	407,600 *
75	56.6	108.9	376,700 *
80	53.7	105.2	349,700 *
85	50.5	100.9	323,600 *
90	47.2	96.2	299,200 *
95	43.8	90.9	277,800 *
100	40.0	84.8	258,900 *
105	35.9	77.9	242,000 *
110	31.3	69.7	226,900 *
115	26.0	59.6	213,200 *
120	19.0	46.0	192,100 *
140 Ft. Boom			
28	82.5	149.5	1,000,000 *
30	81.7	149.2	1,000,000 *
32	80.9	148.8	943,300 *
34	80.0	148.4	888,600 *
36	79.2	148.0	839,700 *
38	78.3	147.5	795,600 *
40	77.5	147.0	755,700 *
45	75.4	145.6	667,900 *
50	73.2	144.0	593,600 *
55	71.1	142.2	533,300 *
60	68.9	140.2	483,400 *
65	66.6	137.9	441,400 *
70	64.3	135.4	405,600 *
75	62.0	132.7	374,600 *
80	59.6	129.7	347,700 *
85	57.1	126.3	322,500 *
90	54.6	122.7	298,100 *
95	52.0	118.7	276,700 *
100	49.3	114.3	257,800 *
105	46.4	109.5	241,000 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
140 Ft. Boom			
110	43.4	104.1	225,900 *
115	40.2	98.1	212,300 *
120	36.8	91.3	199,900 *
125	33.0	83.6	188,700 *
130	28.8	74.6	178,300 *
135	23.8	63.5	168,800 *
140	17.5	48.7	160,000 *
160 Ft. Boom			
30	82.7	169.5	939,300 *
32	82.0	169.1	939,300 *
34	81.3	168.8	884,800 *
36	80.6	168.4	835,900 *
38	79.8	168.0	791,900 *
40	79.1	167.6	752,000 *
45	77.3	166.4	664,800 *
50	75.4	165.0	590,500 *
55	73.5	163.4	530,300 *
60	71.6	161.7	480,400 *
65	69.7	159.8	438,400 *
70	67.8	157.6	402,600 *
75	65.8	155.3	371,700 *
80	63.8	152.8	344,800 *
85	61.7	150.0	320,600 *
90	59.6	147.0	296,200 *
95	57.5	143.7	274,700 *
100	55.3	140.2	255,800 *
105	53.1	136.4	239,000 *
110	50.7	132.2	223,900 *
115	48.3	127.7	210,200 *
120	45.8	122.7	197,900 *
125	43.2	117.3	186,700 *
130	40.4	111.3	176,400 *
135	37.4	104.8	166,900 *
140	34.2	97.4	158,200 *
145	30.7	89.0	150,200 *
150	26.8	79.2	142,600 *
155	22.2	67.2	135,600 *
160	16.2	51.3	129,000 *

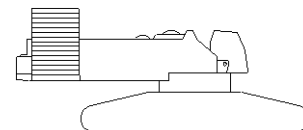
Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
180 Ft. Boom			
32	82.9	189.4	820,700 *
34	82.3	189.1	820,700 *
36	81.6	188.7	820,700 *
38	81.0	188.4	790,400 *
40	80.3	188.0	750,500 *
45	78.7	186.9	663,700 *
50	77.1	185.7	589,400 *
55	75.4	184.4	529,200 *
60	73.7	182.8	479,300 *
65	72.1	181.1	437,300 *
70	70.4	179.3	401,500 *
75	68.7	177.3	370,600 *
80	66.9	175.1	343,600 *
85	65.2	172.7	319,900 *
90	63.4	170.1	295,700 *
95	61.5	167.3	274,300 *
100	59.7	164.3	255,300 *
105	57.8	161.1	238,400 *
110	55.9	157.6	223,300 *
115	53.9	153.9	209,600 *
120	51.8	149.9	197,300 *
125	49.7	145.6	186,100 *
130	47.6	141.0	175,800 *
135	45.3	135.9	166,300 *
140	43.0	130.5	157,600 *
145	40.5	124.6	149,600 *
150	37.9	118.1	142,100 *
155	35.1	111.0	135,200 *
160	32.1	103.0	128,700 *
165	28.8	94.0	122,600 *
170	25.1	83.5	116,900 *
175	20.8	70.7	111,500 *
180	15.2	53.8	106,300 *

Liftcrane Boom Capacities

Boom No. 55-79A with 100 Ft. Mast No. 56
528,000 Lb. Crane Counterweight
320,000 Lb. Carbody Counterweight
360 Degree Rating

Meets
ANSI B30.5
Requirements

18000



Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
200 Ft. Boom			
36	82.5	209.0	754,200 *
38	81.9	208.7	754,200 *
40	81.3	208.3	750,000 *
45	79.8	207.4	663,500 *
50	78.4	206.3	589,200 *
55	76.9	205.1	529,000 *
60	75.4	203.7	479,100 *
65	73.9	202.2	437,100 *
70	72.4	200.6	401,300 *
75	70.9	198.8	370,400 *
80	69.4	196.8	343,500 *
85	67.8	194.7	319,800 *
90	66.2	192.5	296,100
95	64.6	190.0	274,600
100	63.0	187.4	255,700
105	61.4	184.6	238,800
110	59.7	181.6	223,600
115	58.0	178.5	210,000
120	56.3	175.1	197,600
125	54.5	171.4	186,400
130	52.7	167.6	176,100
135	50.9	163.4	166,600
140	48.9	159.0	157,900
145	47.0	154.3	149,900
150	44.9	149.2	142,400
155	42.8	143.7	135,500
160	40.6	137.9	129,000
165	38.3	131.5	123,000
170	35.8	124.5	117,300
175	33.2	116.8	112,000
180	30.4	108.3	106,900
185	27.3	98.7	102,200
190	23.8	87.5	97,700
195	19.6	74.0	93,400

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
220 Ft. Boom			
38	82.6	228.9	683,200 *
40	82.1	228.6	683,200 *
45	80.8	227.7	642,700 *
50	79.5	226.8	582,700 *
55	78.1	225.7	527,200 *
60	76.8	224.4	477,400 *
65	75.4	223.1	435,400 *
70	74.1	221.6	399,600 *
75	72.7	220.0	368,700 *
80	71.3	218.2	341,700 *
85	69.9	216.4	318,000 *
90	68.5	214.3	295,000
95	67.1	212.2	273,500
100	65.7	209.9	254,500
105	64.2	207.4	237,600
110	62.8	204.7	222,400
115	61.3	201.9	208,700
120	59.7	199.0	196,400
125	58.2	195.8	185,100
130	56.6	192.5	174,800
135	55.0	188.9	165,400
140	53.4	185.1	156,700
145	51.7	181.1	148,600
150	50.0	176.9	141,200
155	48.3	172.4	134,200
160	46.5	167.6	127,800
165	44.6	162.4	121,700
170	42.7	157.0	116,100
175	40.7	151.1	110,700
180	38.6	144.8	105,700
185	36.4	137.9	101,000
190	34.0	130.5	96,500
195	31.5	122.4	92,300
200	28.9	113.3	88,300
205	25.9	103.1	84,500
210	22.6	91.3	80,800
215	18.6	77.1	77,300

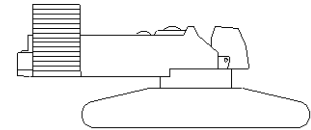
Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
240 Ft. Boom			
40	82.8	248.9	633,700 *
45	81.6	248.1	599,800 *
50	80.3	247.1	543,900 *
55	79.1	246.1	498,400 *
60	77.9	245.0	460,500 *
65	76.7	243.8	428,400 *
70	75.4	242.4	398,800 *
75	74.2	241.0	367,900 *
80	72.9	239.4	340,900 *
85	71.7	237.7	317,200 *
90	70.4	235.9	294,700
95	69.1	233.9	273,100
100	67.8	231.8	254,100
105	66.5	229.6	237,200
110	65.2	227.2	222,000
115	63.9	224.7	208,300
120	62.5	222.1	195,900
125	61.2	219.3	184,700
130	59.8	216.3	174,400
135	58.4	213.2	164,900
140	56.9	209.9	156,200
145	55.5	206.4	148,200
150	54.0	202.7	140,700
155	52.5	198.8	133,800
160	50.9	194.7	127,300
165	49.3	190.3	121,300
170	47.7	185.7	115,600
175	46.1	180.8	110,300
180	44.3	175.7	105,300
185	42.6	170.2	100,600
190	40.7	164.3	96,200
195	38.8	158.1	92,000
200	36.8	151.4	88,000
205	34.7	144.1	84,200
210	32.5	136.2	80,600
215	30.1	127.7	77,100
220	27.6	118.1	73,800
225	24.7	107.4	70,700
230	21.5	95.0	67,700
235	17.8	80.1	64,800

Liftcrane Boom Capacities

Meets
ANSI B30.5
Requirements

18000

Boom No. 55-79A with 100 Ft. Mast No. 56
528,000 Lb. Crane Counterweight
320,000 Lb. Carbody Counterweight
360 Degree Rating



Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
260 Ft. Boom			
45	82.2	268.3	562,600 *
50	81.1	267.5	509,600 *
55	80.0	266.5	466,600 *
60	78.9	265.5	430,900 *
65	77.7	264.4	400,700 *
70	76.6	263.1	374,800 *
75	75.4	261.8	352,200 *
80	74.3	260.4	332,300 *
85	73.1	258.8	314,500 *
90	72.0	257.1	293,300
95	70.8	255.3	271,700
100	69.6	253.4	252,600
105	68.4	251.4	235,600
110	67.2	249.3	220,400
115	66.0	247.0	206,700
120	64.8	244.6	194,400
125	63.6	242.1	183,100
130	62.3	239.4	172,800
135	61.1	236.6	163,300
140	59.8	233.6	154,600
145	58.5	230.5	146,500
150	57.2	227.2	139,100
155	55.8	223.8	132,100
160	54.5	220.2	125,700
165	53.1	216.4	119,600
170	51.7	212.4	114,000
175	50.2	208.1	108,700
180	48.8	203.7	103,700
185	47.3	199.0	99,000
190	45.7	194.1	94,500
195	44.1	188.9	90,300
200	42.5	183.4	86,300
205	40.8	177.6	82,500
210	39.0	171.4	79,000
215	37.2	164.7	75,500
220	35.3	157.6	72,300
225	33.3	150.0	69,200
230	31.2	141.7	66,200
235	28.9	132.7	63,300
240	26.4	122.7	60,600
245	23.7	111.5	57,900
250	20.6	98.5	55,400
255	17.0	82.9	52,900

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
280 Ft. Boom			
45	82.8	288.5	488,000 *
50	81.7	287.8	481,200 *
55	80.7	286.9	440,100 *
60	79.7	286.0	406,100 *
65	78.6	284.9	377,400 *
70	77.6	283.8	352,800 *
75	76.5	282.5	331,400 *
80	75.5	281.2	312,600 *
85	74.4	279.7	295,900 *
90	73.3	278.2	280,900 *
95	72.2	276.5	267,400 *
100	71.2	274.8	251,800
105	70.1	272.9	234,800
110	69.0	271.0	219,600
115	67.9	268.9	205,900
120	66.7	266.7	193,500
125	65.6	264.4	182,200
130	64.5	262.0	171,900
135	63.3	259.4	162,400
140	62.2	256.7	153,700
145	61.0	253.9	145,600
150	59.8	250.9	138,200
155	58.6	247.8	131,200
160	57.4	244.6	124,800
165	56.1	241.2	118,700
170	54.9	237.6	113,100
175	53.6	233.9	107,800
180	52.3	230.0	102,800
185	51.0	225.9	98,100
190	49.6	221.6	93,600
195	48.3	217.1	89,400
200	46.9	212.4	85,500
205	45.4	207.4	81,700
210	43.9	202.1	78,100
215	42.4	196.6	74,700
220	40.8	190.8	71,400
225	39.2	184.6	68,300
230	37.5	178.1	65,400
235	35.8	171.1	62,500
240	33.9	163.7	59,800
245	32.0	155.7	57,200
250	30.0	147.0	54,700
255	27.8	137.6	52,300
260	25.4	127.1	50,000
265	22.8	115.4	47,700
270	19.8	101.9	45,500
275	16.4	85.7	43,400

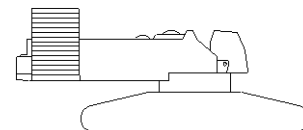
Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
300 Ft. Boom			
50	82.3	308.0	430,500 *
55	81.3	307.2	416,100 *
60	80.4	306.3	383,400 *
65	79.4	305.3	355,800 *
70	78.4	304.3	332,200 *
75	77.4	303.1	311,800 *
80	76.4	301.9	293,800 *
85	75.5	300.5	277,900 *
90	74.5	299.1	263,700 *
95	73.5	297.6	250,800 *
100	72.5	296.0	239,200 *
105	71.5	294.2	228,500 *
110	70.4	292.4	217,800
115	69.4	290.5	204,100
120	68.4	288.5	191,700
125	67.3	286.4	180,400
130	66.3	284.1	170,100
135	65.2	281.8	160,600
140	64.2	279.3	151,800
145	63.1	276.7	143,800
150	62.0	274.0	136,300
155	60.9	271.2	129,400
160	59.8	268.3	122,900
165	58.7	265.2	116,900
170	57.6	262.0	111,200
175	56.4	258.6	105,900
180	55.2	255.1	100,900
185	54.1	251.4	96,200
190	52.9	247.6	91,700
195	51.6	243.6	87,500
200	50.4	239.4	83,600
205	49.1	235.0	79,800
210	47.8	230.4	76,200
215	46.5	225.7	72,800
220	45.1	220.6	69,600
225	43.8	215.4	66,500
230	42.3	209.9	63,500
235	40.9	204.0	60,700
240	39.4	197.9	58,000
245	37.8	191.4	55,400
250	36.2	184.6	52,900
255	34.5	177.3	50,500
260	32.7	169.5	48,200
265	30.9	161.1	46,000
270	28.9	152.1	43,800
275	26.8	142.2	41,800
280	24.5	131.4	39,800
285	22.0	119.2	37,800
290	19.1	105.2	35,800 *
295	15.8	88.3	33,300 *

Liftcrane Boom Capacities

Boom No. 55-79A with 100 Ft. Mast No. 56
528,000 Lb. Crane Counterweight
320,000 Lb. Carbody Counterweight
360 Degree Rating

Meets
ANSI B30.5
Requirements

18000



Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
320 Ft. Boom			
50	82.8	328.2	397,500 *
55	81.9	327.5	385,100 *
60	81.0	326.6	364,300 *
65	80.1	325.7	337,600 *
70	79.1	324.7	314,800 *
75	78.2	323.6	295,100 *
80	77.3	322.5	277,800 *
85	76.4	321.2	262,600 *
90	75.5	319.9	248,900 *
95	74.5	318.5	236,600 *
100	73.6	317.0	225,500 *
105	72.7	315.4	215,300 *
110	71.7	313.7	206,000 *
115	70.8	311.9	197,400 *
120	69.8	310.0	189,400 *
125	68.8	308.0	179,200 *
130	67.9	306.0	168,900 *
135	66.9	303.8	159,400 *
140	65.9	301.5	150,700 *
145	64.9	299.1	142,600 *
150	63.9	296.7	135,100 *
155	62.9	294.1	128,200 *
160	61.9	291.4	121,700 *
165	60.9	288.5	115,600 *
170	59.8	285.6	110,000 *
175	58.8	282.5	104,700 *
180	57.7	279.3	99,700 *
185	56.6	276.0	95,000 *
190	55.5	272.5	90,500 *
195	54.4	268.9	86,300 *
200	53.3	265.1	82,400 *
205	52.2	261.2	78,600 *
210	51.0	257.1	75,000 *
215	49.9	252.9	71,600 *
220	48.7	248.4	68,400 *
225	47.4	243.8	65,300 *
230	46.2	238.9	62,300 *
235	44.9	233.9	59,500 *
240	43.6	228.6	56,800 *
245	42.3	223.1	54,200 *
250	40.9	217.3	51,700 *
255	39.5	211.2	49,400 *
260	38.0	204.7	47,100 *
265	36.5	198.0	44,900 *
270	35.0	190.8	42,700 *
275	33.3	183.2	40,700 *
280	31.6	175.1	38,700 *
285	29.8	166.4	36,800 *
290	27.9	157.0	35,000 *
295	25.9	146.7	32,800 *
300	23.7	135.4	30,600 *
310	18.5	108.3	26,300 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
340 Ft. Boom			
55	82.4	347.7	313,700 *
60	81.5	346.9	311,600 *
65	80.6	346.1	309,500 *
70	79.8	345.1	298,400 *
75	78.9	344.1	279,200 *
80	78.1	343.0	262,500 *
85	77.2	341.9	247,700 *
90	76.3	340.6	234,500 *
95	75.5	339.3	222,600 *
100	74.6	337.9	211,900 *
105	73.7	336.4	202,200 *
110	72.8	334.8	193,200 *
115	71.9	333.1	185,000 *
120	71.0	331.4	177,400 *
125	70.1	329.5	170,300 *
130	69.2	327.6	163,700 *
135	68.3	325.6	157,400 *
140	67.4	323.5	148,700 *
145	66.5	321.2	140,600 *
150	65.6	318.9	133,100 *
155	64.6	316.5	126,200 *
160	63.7	314.0	119,700 *
165	62.7	311.4	113,600 *
170	61.8	308.7	108,000 *
175	60.8	305.9	102,700 *
180	59.8	302.9	97,700 *
185	58.8	299.9	93,000 *
190	57.9	296.7	88,500 *
195	56.8	293.4	84,300 *
200	55.8	289.9	80,300 *
205	54.8	286.4	76,600 *
210	53.7	282.6	73,000 *
215	52.7	278.8	69,600 *
220	51.6	274.8	66,300 *
225	50.5	270.6	63,200 *
230	49.4	266.3	60,300 *
235	48.2	261.8	57,500 *
240	47.1	257.1	54,800 *
245	45.9	252.2	52,200 *
250	44.7	247.1	49,700 *
255	43.5	241.9	47,300 *
260	42.2	236.3	45,100 *
265	40.9	230.5	42,900 *
270	39.6	224.4	40,700 *
275	38.2	218.1	38,700 *
280	36.8	211.4	36,700 *
285	35.4	204.3	34,800 *
290	33.9	196.8	32,900 *
295	32.3	188.9	30,700 *
300	30.6	180.5	28,500 *
310	27.0	161.7	22,800 *
320	22.9	139.4	15,100 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
360 Ft. Boom			
55	82.8	367.9	298,700 *
60	82.0	367.2	298,300 *
65	81.2	366.4	295,800 *
70	80.4	365.5	282,800 *
75	79.6	364.5	265,300 *
80	78.7	363.5	249,000 *
85	77.9	362.4	234,600 *
90	77.1	361.2	221,800 *
95	76.3	360.0	210,300 *
100	75.5	358.6	199,900 *
105	74.6	357.2	190,400 *
110	73.8	355.7	181,800 *
115	73.0	354.2	173,900 *
120	72.1	352.5	166,500 *
125	71.3	350.8	159,700 *
130	70.5	349.0	153,400 *
135	69.6	347.1	147,500 *
140	68.7	345.1	141,900 *
145	67.9	343.1	136,700 *
150	67.0	340.9	131,500 *
155	66.1	338.7	124,500 *
160	65.3	336.3	118,000 *
165	64.4	333.9	111,900 *
170	63.5	331.4	106,300 *
175	62.6	328.7	100,900 *
180	61.7	326.0	95,900 *
185	60.8	323.2	91,200 *
190	59.8	320.2	86,800 *
195	58.9	317.2	82,600 *
200	58.0	314.0	78,600 *
205	57.0	310.7	74,800 *
210	56.1	307.3	71,300 *
215	55.1	303.8	67,900 *
220	54.1	300.1	64,600 *
225	53.1	296.4	61,500 *
230	52.1	292.4	58,600 *
235	51.1	288.4	55,700 *
240	50.0	284.1	53,100 *
245	49.0	279.7	50,500 *
250	47.9	275.2	48,000 *
255	46.8	270.4	45,600 *
260	45.7	265.5	43,300 *
265	44.5	260.4	41,100 *
270	43.4	255.1	39,000 *
275	42.2	249.5	37,000 *
280	41.0	243.7	35,000 *
285	39.7	237.7	33,200 *
290	38.4	231.4	31,000 *
295	37.1	224.7	28,800 *
300	35.7	217.8	26,600 *
310	32.9	202.7	22,600 *
320	29.7	185.7	18,700 *
330	26.3	166.3	15,100 *

Liftcrane Boom Capacities

Meets
ANSI B30.5
Requirements

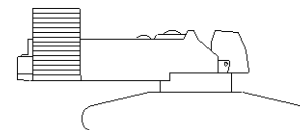
18000

Boom No. 55-79A with 100 Ft. Mast No. 56

528,000 Lb. Crane Counterweight

320,000 Lb. Carbody Counterweight

360 Degree Rating



Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
380 Ft. Boom			
60	82.4	387.4	257,400 *
65	81.6	386.6	256,000 *
70	80.9	385.8	254,600 *
75	80.1	384.9	252,100 *
80	79.3	383.9	236,200 *
85	78.6	382.9	222,100 *
90	77.8	381.8	209,600 *
95	77.0	380.6	198,400 *
100	76.2	379.3	188,300 *
105	75.5	378.0	179,100 *
110	74.7	376.6	170,700 *
115	73.9	375.1	163,000 *
120	73.1	373.6	155,900 *
125	72.3	372.0	149,300 *
130	71.5	370.2	143,200 *
135	70.7	368.5	137,500 *
140	69.9	366.6	132,100 *
145	69.1	364.7	127,100 *
150	68.3	362.6	122,300 *
155	67.5	360.5	117,800 *
160	66.7	358.4	113,600 *
165	65.8	356.1	109,500 *
170	65.0	353.7	104,200 *
175	64.2	351.2	98,800 *
180	63.3	348.7	93,800 *
185	62.5	346.1	89,100 *
190	61.6	343.3	84,700 *
195	60.7	340.5	80,500 *
200	59.9	337.5	76,500 *
205	59.0	334.5	72,700 *
210	58.1	331.4	69,100 *
215	57.2	328.1	65,700 *
220	56.3	324.7	62,500 *
225	55.4	321.2	59,400 *
230	54.4	317.6	56,400 *
235	53.5	313.9	53,600 *
240	52.5	310.0	50,900 *
245	51.6	306.0	48,300 *
250	50.6	301.9	45,900 *
255	49.6	297.6	43,500 *
260	48.6	293.1	41,200 *
265	47.6	288.5	39,000 *
270	46.5	283.8	36,900 *
275	45.5	278.8	34,900 *
280	44.4	273.7	32,900 *
285	43.3	268.3	30,600 *
290	42.1	262.7	28,400 *
295	41.0	257.0	26,200 *
300	39.8	250.9	24,100 *
310	37.3	238.1	20,000 *
320	34.7	224.0	16,200 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
400 Ft. Boom			
60	82.8	407.6	220,200 *
65	82.1	406.9	220,200 *
70	81.3	406.1	220,200 *
75	80.6	405.2	220,200 *
80	79.9	404.3	219,300 *
85	79.2	403.3	211,400 *
90	78.4	402.3	199,100 *
95	77.7	401.1	188,100 *
100	77.0	400.0	178,200 *
105	76.2	398.7	169,300 *
110	75.5	397.4	161,100 *
115	74.7	396.0	153,600 *
120	74.0	394.5	146,700 *
125	73.2	393.0	140,300 *
130	72.5	391.4	134,300 *
135	71.7	389.7	128,800 *
140	71.0	387.9	123,600 *
145	70.2	386.1	118,800 *
150	69.4	384.2	114,200 *
155	68.7	382.2	109,900 *
160	67.9	380.1	105,800 *
165	67.1	378.0	101,900 *
170	66.3	375.8	98,200 *
175	65.5	373.5	94,600 *
180	64.7	371.1	91,300 *
185	63.9	368.6	87,500 *
190	63.1	366.0	83,100 *
195	62.3	363.4	78,900 *
200	61.5	360.6	74,900 *
205	60.7	357.8	71,100 *
210	59.9	354.9	67,500 *
215	59.0	351.8	64,100 *
220	58.2	348.7	60,900 *
225	57.3	345.5	57,800 *
230	56.5	342.1	54,900 *
235	55.6	338.7	52,000 *
240	54.7	335.1	49,300 *
245	53.8	331.4	46,800 *
250	52.9	327.6	44,300 *
255	52.0	323.6	41,900 *
260	51.1	319.6	39,600 *
265	50.2	315.4	37,400 *
270	49.2	311.0	35,300 *
275	48.2	306.5	33,300 *
280	47.3	301.9	31,100 *
285	46.3	297.1	28,800 *
290	45.3	292.1	26,500 *
295	44.2	286.9	24,300 *
300	43.2	281.5	22,200 *
310	41.0	270.2	18,200 *