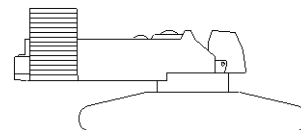


Liftcrane Luffing Jib Capacities

18000

Luffing Jib No. 79A On
Boom No. 55 or No. 55A With 100 ft Mast No. 56
528,000 lb Crane Counterweight
320,000 lb Carbody Counterweight
Rating Over End of Blocked Crawlers
No Travel - Limited Swing



LIFTING CAPACITIES: Lifting capacities for various boom lengths, boom angles, luffing jib lengths, and luffing jib operating radii are for freely suspended loads and do not exceed 75% of a static tipping load over end of machine with crawlers blocked. Capacities based on structural competence are denoted by an asterisk (*).

Luffing Jib Backward Stability: Capacities indicated by (b) require 21,000 lb minimum weight suspended beneath luffing jib point. Capacities indicated by (c) require 37,000 lb minimum weight suspended beneath luffing jib point.

Caution: Do not luff into areas indicated by (b) or (c) without required minimum weights. Luffing jib will not luff down and luffing hoist wire rope may overhaul luffing jib and cause luffing hoist to go slack causing wire rope damage or failure.

Simultaneous hoisting of both load drums is required for even block travel.

Weight of all load blocks, hooks, weight ball, slings, hoist lines, etc., beneath boom and luffing jib point sheaves is considered part of luffing jib load. Boom and luffing jib are 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 on a firm uniformly supporting surface with mast up and bearing turntable level within a tolerance of 1/2 in. in 10 ft and properly supported. Drive or idler tumblers must be properly blocked so that centerline of tumblers becomes tipping fulcrum. Swing is limited to that sector shown on Operating Range Diagram **No. 8933-A**. During operation, boom must be maintained at one of the selected angles shown in chart. 87 degree boom angle requires 200 ft minimum boom length. Refer to luffing jib assembly **No. A08237**, Wire Rope Specification chart **No. 8597-A or 8597-B**, Counterweight Arrangement chart **No. 8577-A** and Luffing Jib Raising Procedure chart **No. 8595-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 operators 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. Luffing jib angle is angle between horizontal and centerline of luffing jib butt and inserts, and is an indication of operating radius. In all cases, operating radius shall govern capacity.

LUFFING JIB POINT ELEVATION: Luffing jib point elevation is vertical distance from ground level to centerline of luffing jib 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, 24 part luffing jib hoist reeving, luffing jib and backstay support straps, 528,000 lb crane counterweight and 320,000 lb carbody counterweight.

Upper Luffing Jib 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. A08516		
71,600 lb	60,000 lb	97,600 lb
In all cases, upper luffing jib point capacities cannot exceed those listed for main luffing jib capacity.		

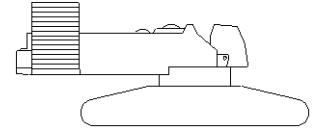
Boom and/or Jib Catwalks Deduct

Deduct 1,000 lbs from capacities when boom and/or jib catwalks are attached.

Liftcrane Luffing Jib Capacities

18000

Luffing Jib No. 79A On
 Boom No. 55 or No. 55A With 100 ft Mast No. 56
 528,000 lb Crane Counterweight
 320,000 lb Carbody Counterweight
 Rating Over End of Blocked Crawlers
 No Travel - Limited Swing



160.0 ft Boom, 90.0 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle			80 Degree Boom Angle		
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds
55	72.3	255.3	530,700* b			
60	68.9	253.2	482,000* b			
65	65.3	250.8	441,000* b			
70	61.7	247.9	406,000*			
75	57.9	244.6	375,700*			
80	53.9	240.9	349,200*	64.5	248.0	330,200* b
85	49.7	236.5	325,900*	60.8	245.0	308,100*
90	45.1	231.3	305,100*	57.0	241.6	288,500*
95	40.1	225.3	286,500*	52.9	237.7	271,000*
100	34.5	217.9	269,600*	48.6	233.2	255,200*
105	27.7	208.5	254,300*	44.0	227.9	240,900*
110	18.4	194.8	239,900*	38.9	221.5	227,800*
115				33.0	213.8	215,700*
120				25.9	203.7	204,500*
125				15.3	187.9	193,700*

Capacities indicated by **(b)** require
 21,000 lb minimum weight suspended
 beneath luffing jib point.

160.0 ft Boom, 110.0 ft Luffing Jib

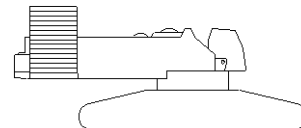
Jib Oper. Rad. Feet	85 Degree Boom Angle			80 Degree Boom Angle		
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds
60	72.9	274.7	480,600* b			
65	70.1	272.8	439,700* b			
70	67.3	270.6	404,800* b			
75	64.4	268.1	374,700*			
80	61.4	265.2	348,300*			
85	58.3	262.0	325,100*	66.6	267.9	306,500* b
90	55.1	258.4	304,600*	63.7	265.3	287,100*
95	51.7	254.3	286,200*	60.7	262.3	269,700*
100	48.2	249.8	269,600*	57.5	259.0	254,000*
105	44.4	244.5	254,600*	54.3	255.3	239,900*
110	40.4	238.6	240,900*	50.9	251.1	227,000*
115	35.9	231.6	228,400*	47.3	246.4	215,200*
120	30.8	223.2	216,800*	43.5	241.0	204,400*
125	24.7	212.6	206,000*	39.4	234.9	194,400*
130	16.3	197.2	195,800*	34.8	227.6	185,100*
135				29.5	218.8	176,500*
140				23.1	207.5	168,300*
145				13.5	189.8	160,300*

Capacities indicated by **(b)** require
 21,000 lb minimum weight suspended
 beneath luffing jib point.

Liftcrane Luffing Jib Capacities

18000

Luffing Jib No. 79A On
 Boom No. 55 or No. 55A With 100 ft Mast No. 56
 528,000 lb Crane Counterweight
 320,000 lb Carbody Counterweight
 Rating Over End of Blocked Crawlers
 No Travel - Limited Swing


160.0 ft Boom, 130.0 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle			80 Degree Boom Angle		
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds
70	71.0	292.3	402,000*(b)			
75	68.6	290.3	372,000*			
80	66.2	288.0	345,700*			
85	63.7	285.4	322,600*			
90	61.2	282.5	302,200*			
95	58.5	279.4	283,800*	65.6	285.2	266,600*
100	55.9	275.9	267,400*	63.1	282.6	251,000*
105	53.1	272.0	252,500*	60.6	279.6	237,000*
110	50.2	267.8	238,900*	57.9	276.4	224,200*
115	47.2	263.0	226,600*	55.2	272.8	212,600*
120	43.9	257.7	215,200*	52.4	268.9	201,900*
125	40.5	251.8	204,800*	49.5	264.5	192,100*
130	36.8	245.1	195,100*	46.4	259.7	183,000*
135	32.8	237.3	186,000*	43.2	254.2	174,500*
140	28.1	228.0	177,600*	39.7	248.1	166,600*
145	22.5	216.3	169,600*	35.9	241.2	159,300*
150	14.8	199.4	162,000*	31.7	233.1	152,400*
155				26.9	223.4	145,800*
160				21.0	210.9	139,600*
165				12.2	191.5	133,400*

160.0 ft Boom, 150.0 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle			80 Degree Boom Angle		
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds
75	71.6	311.8	370,000*			
80	69.5	309.8	343,800*			
85	67.5	307.7	320,800*			
90	65.4	305.3	300,300*			
95	63.2	302.7	282,100*			
100	61.0	299.8	265,700*	67.0	305.0	248,900*
105	58.7	296.7	250,800*	64.9	302.5	234,900*
110	56.4	293.3	237,400*	62.7	299.9	222,200*
115	54.1	289.6	225,100*	60.5	297.0	210,600*
120	51.6	285.6	213,800*	58.2	293.8	200,000*
125	49.1	281.1	203,400*	55.9	290.3	190,200*
130	46.4	276.3	193,800*	53.5	286.5	181,200*
135	43.6	271.0	184,900*	51.0	282.4	172,800*
140	40.7	265.0	176,700*	48.5	277.9	165,000*
145	37.5	258.5	169,000*	45.8	272.9	157,800*
150	34.1	251.1	161,700*	42.9	267.5	151,000*
155	30.3	242.5	154,900*	39.9	261.4	144,600*
160	26.0	232.4	148,500*	36.7	254.7	138,700*
165	20.8	219.7	142,300*	33.2	247.0	133,000*
170	13.6	201.5	136,300*	29.4	238.1	127,600*
175				24.9	227.6	122,500*
180				19.4	214.1	117,600*
185				11.2	193.1	112,600*

Capacities indicated by **(b)** require
 21,000 lb minimum weight suspended
 beneath luffing jib point.

Liftcrane Luffing Jib Capacities

18000

Luffing Jib No. 79A On

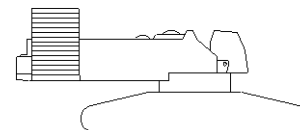
Boom No. 55 or No. 55A With 100 ft Mast No. 56

528,000 lb Crane Counterweight

320,000 lb Carbody Counterweight

Rating Over End of Blocked Crawlers

No Travel - Limited Swing



160.0 ft Boom, 170.0 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle			80 Degree Boom Angle		
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds
80	72.1	331.2	340,900*			
85	70.3	329.4	317,900*			
90	68.4	327.3	297,500*			
95	66.6	325.1	279,200*			
100	64.7	322.7	262,900*			
105	62.8	320.0	248,100*			
110	60.9	317.1	234,700*	66.2	322.4	218,900*
115	58.9	314.1	222,400*	64.3	319.9	207,400*
120	56.9	310.7	211,200*	62.4	317.2	196,800*
125	54.8	307.1	200,900*	60.4	314.3	187,100*
130	52.7	303.2	191,300*	58.4	311.1	178,200*
135	50.5	299.0	182,500*	56.4	307.7	169,800*
140	48.2	294.5	174,300*	54.3	304.1	162,100*
145	45.8	289.5	166,700*	52.2	300.1	155,000*
150	43.3	284.2	159,500*	49.9	295.8	148,200*
155	40.7	278.3	152,800*	47.6	291.2	142,000*
160	38.0	271.8	146,500*	45.3	286.1	136,000*
165	35.0	264.7	140,600*	42.8	280.7	130,500*
170	31.9	256.6	135,000*	40.1	274.7	125,200*
175	28.3	247.4	129,600*	37.3	268.1	120,300*
180	24.3	236.5	124,600*	34.3	260.7	115,600*
185	19.4	222.9	119,700*	31.1	252.4	110,900*
190	12.6	203.5	114,900*	27.4	242.9	106,100*
195				23.3	231.5	101,600*
200				18.1	217.0	97,100*
205				10.4	194.6	92,600*

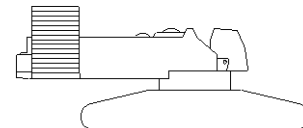
160.0 ft Boom, 190.0 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle			80 Degree Boom Angle		
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds
85	72.4	350.7	315,600*			
90	70.8	348.9	295,300*			
95	69.2	346.9	277,100*			
100	67.6	344.8	260,700*			
105	65.9	342.5	246,000*			
110	64.2	340.0	232,600*			
115	62.5	337.3	220,400*	67.2	342.1	205,000*
120	60.8	334.5	209,200*	65.5	339.7	194,500*
125	59.0	331.4	198,900*	63.8	337.2	184,800*
130	57.2	328.1	189,400*	62.1	334.5	175,900*
135	55.4	324.6	180,600*	60.4	331.6	167,600*
140	53.5	320.8	172,400*	58.6	328.5	159,900*
145	51.5	316.8	164,800*	56.8	325.1	152,800*
150	49.5	312.4	157,700*	54.9	321.5	146,100*
155	47.5	307.8	151,000*	53.0	317.7	139,800*
160	45.4	302.8	144,800*	51.1	313.6	134,000*
165	43.1	297.4	138,900*	49.1	309.2	128,500*
170	40.8	291.5	133,400*	47.0	304.5	123,300*
175	38.4	285.2	128,200*	44.9	299.4	118,400*
180	35.8	278.2	123,200*	42.6	293.9	113,300*
185	33.0	270.5	118,500*	40.3	287.9	108,500*
190	30.0	261.8	114,000*	37.8	281.4	103,900*
195	26.7	252.0	109,700*	35.2	274.3	99,600*
200	22.9	240.4	105,600*	32.3	266.4	95,400*
205	18.3	226.0	101,600*	29.3	257.5	91,400*
210	11.9	205.3	97,400*	25.8	247.3	87,500*
215				21.9	235.2	83,800*
220				17.0	219.8	80,100*
225				9.7	196.1	76,300*

Liftcrane Luffing Jib Capacities

18000

Luffing Jib No. 79A On
Boom No. 55 or No. 55A With 100 ft Mast No. 56
528,000 lb Crane Counterweight
320,000 lb Carbody Counterweight
Rating Over End of Blocked Crawlers
No Travel - Limited Swing



160.0 ft Boom, 210.0 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle			80 Degree Boom Angle		
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds
90	72.7	370.1	292,200*			
95	71.3	368.3	274,100*			
100	69.8	366.4	257,800*			
105	68.4	364.4	243,000*			
110	66.9	362.2	229,700*			
115	65.4	359.9	217,500*			
120	63.8	357.3	206,300*			
125	62.3	354.6	196,000*	66.5	359.5	181,500*
130	60.7	351.8	186,600*	65.0	357.1	172,600*
135	59.1	348.7	177,800*	63.5	354.5	164,400*
140	57.5	345.5	169,600*	61.9	351.8	156,800*
145	55.8	342.0	162,100*	60.3	348.9	149,600*
150	54.1	338.4	155,000*	58.7	345.8	143,000*
155	52.4	334.4	148,400*	57.1	342.5	136,800*
160	50.6	330.3	142,200*	55.4	339.0	131,000*
165	48.8	325.8	136,300*	53.7	335.3	125,500*
170	46.9	321.1	130,800*	52.0	331.3	119,900*
175	45.0	316.0	125,600*	50.2	327.1	114,600*
180	43.0	310.6	120,700*	48.4	322.6	109,500*
185	40.9	304.8	116,100*	46.5	317.8	104,800*
190	38.7	298.5	111,700*	44.5	312.6	100,200*
195	36.4	291.6	107,500*	42.5	307.1	95,900*
200	33.9	284.2	103,500*	40.4	301.2	91,800*
205	31.3	276.0	99,300*	38.2	294.8	87,900*
210	28.4	266.8	95,200*	35.8	287.8	84,200*
215	25.3	256.3	91,200*	33.3	280.2	80,600*
220	21.7	244.1	87,400*	30.7	271.8	77,200*
225	17.3	228.8	83,700*	27.7	262.3	73,800*
230	11.2	207.1	80,000*	24.5	251.5	70,600*
235				20.7	238.7	67,500*
240				16.1	222.4	64,400*
245				9.2	197.4	61,100*

160.0 ft Boom, 230.0 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle			80 Degree Boom Angle		
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds
95	73.0	389.5	271,700*			
100	71.7	387.8	255,500*			
105	70.3	386.0	240,700*			
110	69.0	384.0	227,400*			
115	67.6	381.9	215,200*			
120	66.3	379.6	204,000*			
125	64.9	377.2	193,800*			
130	63.5	374.7	184,300*	67.3	379.2	170,100*
135	62.1	372.0	175,600*	66.0	376.9	161,900*
140	60.6	369.1	167,400*	64.6	374.5	154,300*
145	59.2	366.1	159,900*	63.2	371.9	147,200*
150	57.7	362.8	152,800*	61.8	369.1	140,600*
155	56.2	359.4	146,200*	60.3	366.2	134,400*
160	54.7	355.8	140,000*	58.9	363.1	128,300*
165	53.1	352.0	134,200*	57.4	359.9	122,400*
170	51.5	348.0	128,700*	55.9	356.4	116,800*
175	49.9	343.7	123,600*	54.3	352.8	111,500*
180	48.2	339.2	118,700*	52.7	348.9	106,500*
185	46.5	334.4	114,100*	51.1	344.9	101,800*
190	44.7	329.3	109,700*	49.5	340.5	97,300*
195	42.8	323.8	105,400*	47.8	335.9	93,000*
200	40.9	318.0	101,000*	46.1	331.0	89,000*
205	38.9	311.8	96,800*	44.3	325.9	85,100*
210	36.8	305.1	92,800*	42.4	320.3	81,400*
215	34.7	297.8	89,000*	40.5	314.4	77,900*
220	32.3	289.9	85,300*	38.5	308.1	74,500*
225	29.8	281.2	81,700*	36.4	301.3	71,300*
230	27.1	271.5	78,300*	34.1	293.9	68,100*
235	24.1	260.5	75,000*	31.8	285.8	65,100*
240	20.6	247.6	71,800*	29.2	276.9	62,200*
245	16.5	231.6	68,700*	26.4	266.9	59,400*
250	10.6	208.7	65,500*	23.3	255.5	56,700*
255				19.8	242.0	54,000*
260				15.3	224.9	51,400*

Liftcrane Luffing Jib Capacities

18000

Luffing Jib No. 79A On

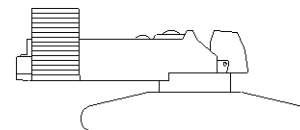
Boom No. 55 or No. 55A With 100 ft Mast No. 56

528,000 lb Crane Counterweight

320,000 lb Carbody Counterweight

Rating Over End of Blocked Crawlers

No Travel - Limited Swing


160.0 ft Boom, 250.0 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle			80 Degree Boom Angle		
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds
105	72.0	407.2	237,700*			
110	70.8	405.4	224,400*			
115	69.5	403.5	212,200*			
120	68.3	401.5	201,100*			
125	67.0	399.3	190,900*			
130	65.8	397.0	181,400*			
135	64.5	394.6	172,700*			
140	63.2	392.0	164,600*	66.8	396.6	151,000*
145	61.9	389.3	157,000*	65.5	394.3	144,000*
150	60.6	386.4	150,000*	64.2	391.8	137,100*
155	59.3	383.4	143,400*	62.9	389.2	130,400*
160	57.9	380.2	137,200*	61.6	386.5	124,100*
165	56.5	376.8	131,400*	60.3	383.5	118,200*
170	55.1	373.3	126,000*	58.9	380.5	112,600*
175	53.7	369.6	120,800*	57.6	377.3	107,400*
180	52.2	365.6	116,000*	56.2	373.9	102,400*
185	50.7	361.5	111,200*	54.8	370.3	97,700*
190	49.2	357.1	106,400*	53.4	366.5	93,300*
195	47.7	352.5	101,800*	51.9	362.5	89,100*
200	46.1	347.7	97,500*	50.4	358.3	85,000*
205	44.4	342.5	93,300*	48.9	353.9	81,200*
210	42.7	337.0	89,300*	47.3	349.2	77,600*
215	41.0	331.2	85,600*	45.7	344.3	74,100*
220	39.1	325.1	81,900*	44.0	339.1	70,700*
225	37.2	318.5	78,500*	42.3	333.6	67,500*
230	35.3	311.3	75,100*	40.5	327.7	64,500*
235	33.2	303.7	71,900*	38.7	321.4	61,500*
240	30.9	295.3	68,800*	36.8	314.7	58,700*
245	28.5	286.2	65,900*	34.8	307.4	56,000*
250	25.9	276.0	63,000*	32.7	299.6	53,300*
255	23.0	264.4	60,200*	30.4	291.1	50,800*
260	19.7	250.9	57,400*	28.0	281.7	48,300*
270	10.1	210.3	51,900*	22.3	259.3	43,600*
280				14.6	227.4	39,000*

160.0 ft Boom, 270.0 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle			80 Degree Boom Angle		
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds
110	72.2	426.6	207,300*			
115	71.1	424.9	206,700*			
120	70.0	423.0	198,700*			
125	68.8	421.0	188,500*			
130	67.7	419.0	179,000*			
135	66.5	416.7	170,300*			
140	65.4	414.4	162,200*			
145	64.2	411.9	154,700*	67.4	416.3	140,900*
150	63.0	409.3	147,700*	66.3	414.0	133,700*
155	61.8	406.6	141,100*	65.1	411.6	127,000*
160	60.6	403.7	134,900*	63.9	409.2	120,800*
165	59.3	400.7	129,100*	62.7	406.5	114,900*
170	58.1	397.5	123,700*	61.5	403.8	109,300*
175	56.8	394.2	118,600*	60.3	400.9	104,100*
180	55.5	390.7	113,300*	59.0	397.8	99,200*
185	54.2	387.1	108,200*	57.8	394.6	94,500*
190	52.8	383.2	103,400*	56.5	391.3	90,100*
195	51.5	379.2	98,900*	55.2	387.7	85,900*
200	50.1	375.0	94,500*	53.9	384.0	81,900*
205	48.7	370.5	90,400*	52.5	380.1	78,000*
210	47.2	365.9	86,400*	51.2	376.1	74,400*
215	45.7	360.9	82,700*	49.8	371.8	71,000*
220	44.2	355.8	79,100*	48.3	367.3	67,600*
225	42.6	350.3	75,600*	46.9	362.6	64,500*
230	41.0	344.5	72,300*	45.4	357.6	61,400*
235	39.3	338.3	69,200*	43.8	352.3	58,500*
240	37.6	331.8	66,100*	42.3	346.8	55,700*
245	35.8	324.8	63,200*	40.6	340.9	53,000*
250	33.8	317.4	60,400*	38.9	334.7	50,400*
255	31.8	309.3	57,700*	37.2	328.0	47,900*
260	29.7	300.5	55,000*	35.3	321.0	45,500*
270	24.9	280.3	50,000*	31.3	305.1	40,900*
280	18.9	254.1	45,200*	26.8	286.4	36,600*
290	9.7	211.8	40,400*	21.4	263.0	32,500*
300				14.0	229.7	28,500*

Liftcrane Luffing Jib Capacities

18000

Luffing Jib No. 79A On

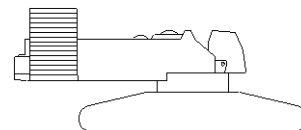
Boom No. 55 or No. 55A With 100 ft Mast No. 56

528,000 lb Crane Counterweight

320,000 lb Carbody Counterweight

Rating Over End of Blocked Crawlers

No Travel - Limited Swing


160.0 ft Boom, 290.0 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle			80 Degree Boom Angle		
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds
115	72.5	446.1	177,000*			
120	71.4	444.4	176,300*			
125	70.4	442.5	175,600*			
130	69.3	440.6	174,800*			
135	68.2	438.5	167,400*			
140	67.2	436.4	159,300*			
145	66.1	434.1	151,800*			
150	65.0	431.8	144,800*			
155	63.9	429.3	138,200*	66.9	433.7	122,700*
160	62.8	426.7	132,100*	65.8	431.4	116,500*
165	61.7	423.9	126,300*	64.7	429.0	110,600*
170	60.5	421.0	120,500*	63.6	426.5	105,100*
175	59.4	418.0	114,900*	62.5	423.9	99,900*
180	58.2	414.9	109,500*	61.4	421.1	95,000*
185	57.0	411.6	104,500*	60.2	418.2	90,400*
190	55.8	408.2	99,700*	59.1	415.1	85,900*
195	54.6	404.6	95,100*	57.9	412.0	81,800*
200	53.4	400.8	90,800*	56.7	408.6	77,800*
205	52.1	396.9	86,700*	55.5	405.2	74,000*
210	50.8	392.8	82,800*	54.3	401.5	70,400*
215	49.5	388.4	79,000*	53.1	397.7	67,000*
220	48.2	383.9	75,500*	51.8	393.8	63,700*
225	46.8	379.2	72,000*	50.5	389.6	60,500*
230	45.4	374.2	68,800*	49.2	385.2	57,500*
235	44.0	369.0	65,600*	47.9	380.7	54,600*
240	42.5	363.5	62,600*	46.5	375.9	51,900*
245	41.0	357.7	59,700*	45.1	370.8	49,200*
250	39.5	351.6	56,900*	43.7	365.6	46,600*
255	37.9	345.1	54,200*	42.2	360.0	44,200*
260	36.2	338.3	51,600*	40.7	354.1	41,800*
270	32.6	323.1	46,700*	37.5	341.4	37,300*
280	28.6	305.5	42,100*	34.0	327.0	33,100*
290	24.0	284.4	37,700*	30.2	310.5	29,100*
300	18.2	257.2	33,500*	25.8	290.9	25,300*
310	9.3	213.3	29,300*	20.6	266.5	21,700*
320				13.5	231.9	18,200*

160.0 ft Boom, 310.0 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle		
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds
120	72.7	465.5	153,000*
125	71.7	463.8	152,300*
130	70.7	462.0	151,500*
135	69.7	460.1	150,800*
140	68.7	458.1	150,000*
145	67.7	456.0	148,600*
150	66.7	453.9	142,300*
155	65.7	451.5	135,800*
160	64.7	449.1	129,600*
165	63.6	446.6	123,300*
170	62.6	444.0	117,300*
175	61.5	441.2	111,700*
180	60.5	438.4	106,400*
185	59.4	435.4	101,300*
190	58.3	432.2	96,500*
195	57.2	429.0	92,000*
200	56.1	425.6	87,700*
205	55.0	422.0	83,600*
210	53.8	418.3	79,700*
215	52.6	414.5	76,000*
220	51.5	410.4	72,400*
225	50.2	406.2	69,000*
230	49.0	401.9	65,700*
235	47.8	397.3	62,600*
240	46.5	392.5	59,600*
245	45.2	387.5	56,700*
250	43.8	382.2	53,900*
255	42.5	376.7	51,300*
260	41.1	371.0	48,700*
270	38.1	358.5	43,800*
280	34.9	344.5	39,300*
290	31.5	328.7	35,000*
300	27.6	310.4	31,000*
310	23.1	288.4	27,200*
320	17.6	260.2	23,500*
330	9.0	214.7	19,700*

Liftcrane Luffing Jib Capacities

18000

Luffing Jib No. 79A On

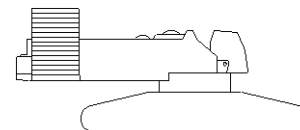
Boom No. 55 or No. 55A With 100 ft Mast No. 56

528,000 lb Crane Counterweight

320,000 lb Carbody Counterweight

Rating Over End of Blocked Crawlers

No Travel - Limited Swing



180.0 ft Boom, 90.0 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle			80 Degree Boom Angle		
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds
60	70.1	273.9	478,000* b			
65	66.6	271.6	437,300* b			
70	63.0	268.9	402,600* b			
75	59.2	265.8	372,500*			
80	55.3	262.2	346,300*	67.0	269.5	323,900* b
85	51.2	258.0	323,100*	63.4	266.8	302,300* b
90	46.7	253.1	302,600*	59.7	263.7	283,100*
95	41.9	247.4	284,100*	55.8	260.2	265,900*
100	36.5	240.6	267,400*	51.6	256.1	250,400*
105	30.2	232.1	252,200*	47.3	251.3	236,300*
110	22.1	220.3	238,200*	42.5	245.7	223,500*
115				37.2	239.1	211,700*
120				31.0	230.7	200,800*
125				23.2	219.5	190,500*
130				9.2	198.1	180,300*

Capacities indicated by **(b)** require
21,000 lb minimum weight suspended
beneath luffing jib point.

180.0 ft Boom, 110.0 ft Luffing Jib

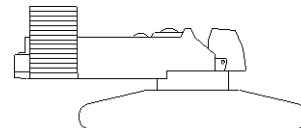
Jib Oper. Rad. Feet	85 Degree Boom Angle			80 Degree Boom Angle		
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds
65	71.1	293.4	435,900* b			
70	68.3	291.3	401,300* b			
75	65.4	288.9	371,400*			
80	62.4	286.2	345,300*			
85	59.4	283.1	322,300*			
90	56.2	279.6	301,900*	65.7	286.8	281,400*
95	52.9	275.7	283,600*	62.8	284.1	264,300*
100	49.4	271.3	267,200*	59.7	281.1	249,000*
105	45.8	266.4	252,300*	56.6	277.6	235,100*
110	41.8	260.7	238,800*	53.3	273.8	222,500*
115	37.5	254.1	226,400*	49.8	269.5	210,900*
120	32.7	246.2	214,900*	46.2	264.5	200,300*
125	27.0	236.6	204,300*	42.3	258.9	190,500*
130	19.7	223.4	194,300*	38.0	252.5	181,400*
135				33.3	244.8	173,000*
140				27.7	235.4	165,000*
145				20.7	222.8	157,400*
150				7.9	198.8	149,800*

Capacities indicated by **(b)** require
21,000 lb minimum weight suspended
beneath luffing jib point.

Liftcrane Luffing Jib Capacities

18000

Luffing Jib No. 79A On
 Boom No. 55 or No. 55A With 100 ft Mast No. 56
 528,000 lb Crane Counterweight
 320,000 lb Carbody Counterweight
 Rating Over End of Blocked Crawlers
 No Travel - Limited Swing


180.0 ft Boom, 130.0 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle			80 Degree Boom Angle		
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds
70	71.8	312.9	398,400*			
75	69.4	310.9	368,600*			
80	67.0	308.7	342,600*			
85	64.6	306.2	319,700*			
90	62.0	303.5	299,400*			
95	59.5	300.4	281,200*	67.3	306.6	261,000*
100	56.8	297.1	264,900*	64.8	304.1	245,800*
105	54.1	293.3	250,100*	62.3	301.4	232,000*
110	51.2	289.2	236,700*	59.8	298.4	219,500*
115	48.2	284.6	224,400*	57.1	295.1	208,100*
120	45.1	279.6	213,200*	54.4	291.4	197,600*
125	41.8	273.9	202,800*	51.5	287.3	187,900*
130	38.2	267.4	193,200*	48.6	282.8	179,000*
135	34.2	260.0	184,300*	45.5	277.8	170,700*
140	29.8	251.4	175,900*	42.1	272.2	163,000*
145	24.6	240.7	168,100*	38.6	265.8	155,800*
150	17.9	226.3	160,600*	34.7	258.5	149,100*
155				30.3	250.0	142,700*
160				25.3	239.6	136,600*
165				18.8	225.8	130,800*
170				7.0	199.5	124,700*

180.0 ft Boom, 150.0 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle			80 Degree Boom Angle		
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds
75	72.3	332.3	366,600*			
80	70.3	330.5	340,600*			
85	68.2	328.4	317,800*			
90	66.1	326.1	297,500*			
95	64.0	323.6	279,400*			
100	61.8	320.8	263,100*			
105	59.5	317.8	248,400*	66.3	324.0	229,800*
110	57.3	314.5	235,100*	64.2	321.5	217,300*
115	54.9	310.9	222,900*	62.0	318.7	206,000*
120	52.5	306.9	211,700*	59.8	315.7	195,600*
125	50.0	302.6	201,400*	57.5	312.4	186,000*
130	47.3	298.0	191,900*	55.2	308.9	177,100*
135	44.6	292.8	183,100*	52.8	305.0	168,900*
140	41.7	287.1	174,900*	50.2	300.7	161,300*
145	38.6	280.8	167,300*	47.6	296.1	154,200*
150	35.3	273.7	160,100*	44.9	291.0	147,600*
155	31.7	265.6	153,300*	42.0	285.4	141,300*
160	27.6	256.1	147,000*	39.0	279.1	135,500*
165	22.7	244.5	140,900*	35.7	272.1	129,900*
170	16.5	228.9	135,100*	32.1	264.1	124,700*
175				28.1	254.8	119,700*
180				23.4	243.5	114,900*
185				17.3	228.6	109,700*
190				6.3	200.2	104,200*

Capacities indicated by **(b)** require
 21,000 lb minimum weight suspended
 beneath luffing jib point.

Liftcrane Luffing Jib Capacities

18000

Luffing Jib No. 79A On

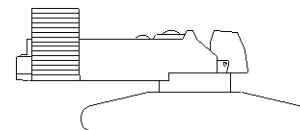
Boom No. 55 or No. 55A With 100 ft Mast No. 56

528,000 lb Crane Counterweight

320,000 lb Carbody Counterweight

Rating Over End of Blocked Crawlers

No Travel - Limited Swing


180.0 ft Boom, 170.0 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle			80 Degree Boom Angle		
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds
80	72.7	351.8	337,500*			
85	70.9	350.0	314,700*			
90	69.1	348.0	294,500*			
95	67.2	345.8	276,500*			
100	65.4	343.5	260,300*			
105	63.5	340.9	245,600*			
110	61.6	338.1	232,300*	67.5	343.7	213,900*
115	59.6	335.1	220,100*	65.6	341.3	202,600*
120	57.6	331.8	209,000*	63.7	338.8	192,300*
125	55.5	328.3	198,800*	61.8	336.0	182,800*
130	53.4	324.5	189,300*	59.8	333.0	174,000*
135	51.2	320.5	180,600*	57.8	329.8	165,800*
140	49.0	316.0	172,500*	55.8	326.3	158,300*
145	46.7	311.2	164,900*	53.7	322.6	151,200*
150	44.2	306.0	157,800*	51.5	318.5	144,700*
155	41.7	300.3	151,200*	49.2	314.1	138,500*
160	39.0	294.1	144,900*	46.9	309.4	132,700*
165	36.1	287.2	139,100*	44.5	304.2	127,300*
170	33.0	279.5	133,500*	42.0	298.6	122,100*
175	29.6	270.7	128,200*	39.3	292.4	116,900*
180	25.8	260.5	123,200*	36.4	285.6	111,900*
185	21.2	248.0	118,400*	33.4	278.0	107,100*
190	15.4	231.3	113,700*	30.0	269.4	102,500*
195				26.2	259.3	98,100*
200				21.8	247.2	93,800*
205				16.2	231.2	89,600*
210				5.8	200.8	85,100*

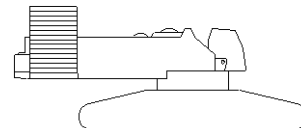
180.0 ft Boom, 190.0 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle			80 Degree Boom Angle		
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds
85	73.0	371.2	312,500*			
90	71.4	369.4	292,300*			
95	69.8	367.5	274,300*			
100	68.1	365.5	258,100*			
105	66.5	363.2	243,400*			
110	64.8	360.8	230,200*			
115	63.1	358.2	218,000*			
120	61.4	355.4	206,900*	66.7	361.1	189,900*
125	59.6	352.4	196,700*	65.0	358.7	180,400*
130	57.8	349.2	187,300*	63.3	356.1	171,600*
135	56.0	345.8	178,600*	61.6	353.3	163,500*
140	54.1	342.1	170,500*	59.8	350.4	156,000*
145	52.2	338.1	163,000*	58.1	347.2	149,000*
150	50.3	333.9	155,900*	56.2	343.8	142,400*
155	48.2	329.4	149,400*	54.4	340.1	136,300*
160	46.1	324.5	143,200*	52.4	336.2	130,600*
165	43.9	319.2	137,400*	50.5	332.0	125,100*
170	41.6	313.5	131,900*	48.5	327.5	119,500*
175	39.2	307.4	126,700*	46.4	322.7	114,300*
180	36.7	300.6	121,800*	44.2	317.5	109,300*
185	34.0	293.2	117,100*	41.9	311.8	104,600*
190	31.1	284.9	112,700*	39.5	305.7	100,200*
195	27.9	275.5	108,400*	37.0	299.0	95,900*
200	24.3	264.6	104,400*	34.3	291.7	91,800*
205	20.0	251.4	100,300*	31.4	283.5	87,900*
210	14.4	233.6	96,000*	28.3	274.2	84,200*
215				24.7	263.5	80,600*
220				20.5	250.6	77,000*
225				15.2	233.6	73,500*
230				5.4	201.4	69,700*

Liftcrane Luffing Jib Capacities

18000

Luffing Jib No. 79A On
 Boom No. 55 or No. 55A With 100 ft Mast No. 56
 528,000 lb Crane Counterweight
 320,000 lb Carbody Counterweight
 Rating Over End of Blocked Crawlers
 No Travel - Limited Swing


180.0 ft Boom, 210.0 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle			80 Degree Boom Angle		
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds
95	71.8	388.9	271,200*			
100	70.3	387.0	255,000*			
105	68.9	385.0	240,400*			
110	67.4	382.9	227,200*			
115	65.9	380.6	215,100*			
120	64.4	378.2	204,000*			
125	62.8	375.5	193,900*	67.6	380.8	177,000*
130	61.3	372.7	184,500*	66.1	378.5	168,300*
135	59.7	369.7	175,800*	64.5	376.0	160,200*
140	58.1	366.6	167,700*	63.0	373.4	152,700*
145	56.4	363.2	160,200*	61.4	370.6	145,800*
150	54.7	359.6	153,200*	59.9	367.7	139,200*
155	53.0	355.8	146,600*	58.2	364.5	133,000*
160	51.3	351.7	140,500*	56.6	361.2	126,800*
165	49.4	347.3	134,700*	54.9	357.6	121,000*
170	47.6	342.7	129,300*	53.2	353.8	115,500*
175	45.7	337.8	124,100*	51.5	349.8	110,300*
180	43.7	332.5	119,300*	49.7	345.4	105,400*
185	41.6	326.8	114,700*	47.8	340.8	100,800*
190	39.5	320.7	110,300*	45.9	335.9	96,300*
195	37.2	314.0	106,100*	43.9	330.7	92,200*
200	34.8	306.8	101,800*	41.9	325.0	88,200*
205	32.2	298.9	97,600*	39.7	319.0	84,300*
210	29.5	290.0	93,500*	37.5	312.4	80,700*
215	26.4	280.1	89,700*	35.1	305.2	77,200*
220	23.0	268.5	85,900*	32.5	297.4	73,900*
225	18.9	254.5	82,200*	29.8	288.7	70,600*
230	13.7	235.8	78,600*	26.8	278.9	67,500*
235				23.4	267.5	64,500*
240				19.4	253.9	61,500*
245				14.4	236.0	58,500*
250				5.0	202.0	55,200*

180.0 ft Boom, 230.0 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle			80 Degree Boom Angle		
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds
100	72.1	408.3	252,700*			
105	70.8	406.5	238,100*			
110	69.5	404.6	224,900*			
115	68.1	402.5	212,800*			
120	66.8	400.3	201,700*			
125	65.4	398.0	191,600*			
130	64.0	395.5	182,200*			
135	62.6	392.9	173,500*	66.9	398.2	157,700*
140	61.2	390.0	165,500*	65.5	395.9	150,200*
145	59.7	387.1	158,000*	64.1	393.4	143,300*
150	58.2	383.9	151,000*	62.7	390.8	136,300*
155	56.7	380.6	144,500*	61.3	388.0	129,700*
160	55.2	377.0	138,300*	59.9	385.0	123,600*
165	53.7	373.3	132,600*	58.4	381.9	117,800*
170	52.1	369.4	127,100*	56.9	378.6	112,300*
175	50.4	365.2	122,000*	55.4	375.0	107,200*
180	48.8	360.7	117,200*	53.8	371.3	102,300*
185	47.1	356.0	112,600*	52.2	367.4	97,700*
190	45.3	351.0	108,100*	50.6	363.2	93,300*
195	43.5	345.7	103,500*	49.0	358.8	89,200*
200	41.6	340.0	99,200*	47.3	354.2	85,200*
205	39.6	333.9	95,000*	45.5	349.2	81,400*
210	37.6	327.4	91,100*	43.7	343.9	77,800*
215	35.4	320.3	87,300*	41.8	338.3	74,400*
220	33.2	312.7	83,700*	39.9	332.2	71,100*
225	30.7	304.2	80,200*	37.8	325.8	68,000*
230	28.1	294.9	76,800*	35.7	318.8	64,900*
235	25.2	284.4	73,600*	33.4	311.2	62,000*
240	21.9	272.2	70,400*	31.0	302.9	59,200*
245	18.0	257.5	67,300*	28.4	293.6	56,500*
250	13.0	237.9	64,200*	25.5	283.3	53,800*
255				22.3	271.3	51,200*
260				18.5	257.0	48,700*
270				4.7	202.6	43,300*

Liftcrane Luffing Jib Capacities

18000

Luffing Jib No. 79A On

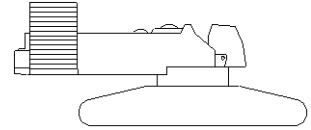
Boom No. 55 or No. 55A With 100 ft Mast No. 56

528,000 lb Crane Counterweight

320,000 lb Carbody Counterweight

Rating Over End of Blocked Crawlers

No Travel - Limited Swing


180.0 ft Boom, 250.0 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle			80 Degree Boom Angle		
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds
105	72.4	427.8	221,800*			
110	71.2	426.0	218,800*			
115	70.0	424.1	209,800*			
120	68.7	422.1	198,700*			
125	67.5	420.0	188,600*			
130	66.2	417.8	179,200*			
135	65.0	415.4	170,600*			
140	63.7	412.8	162,600*	67.6	417.8	146,400*
145	62.4	410.2	155,100*	66.4	415.6	138,900*
150	61.1	407.4	148,100*	65.1	413.2	131,900*
155	59.7	404.4	141,600*	63.8	410.7	125,400*
160	58.4	401.3	135,500*	62.5	408.1	119,200*
165	57.0	398.0	129,700*	61.2	405.3	113,500*
170	55.6	394.5	124,300*	59.9	402.3	108,100*
175	54.2	390.8	119,200*	58.5	399.2	102,900*
180	52.7	387.0	114,300*	57.2	395.9	98,100*
185	51.3	382.9	109,200*	55.8	392.5	93,500*
190	49.8	378.6	104,500*	54.4	388.8	89,200*
195	48.2	374.1	99,900*	52.9	385.0	85,100*
200	46.6	369.3	95,600*	51.4	381.0	81,200*
205	45.0	364.3	91,500*	49.9	376.7	77,400*
210	43.3	358.9	87,600*	48.4	372.2	73,900*
215	41.6	353.2	83,800*	46.8	367.5	70,500*
220	39.8	347.2	80,300*	45.2	362.5	67,200*
225	37.9	340.7	76,800*	43.5	357.1	64,100*
230	36.0	333.8	73,500*	41.8	351.5	61,100*
235	33.9	326.3	70,400*	40.0	345.5	58,300*
240	31.7	318.2	67,300*	38.1	339.1	55,500*
245	29.4	309.4	64,400*	36.2	332.2	52,900*
250	26.9	299.6	61,500*	34.1	324.8	50,300*
255	24.1	288.5	58,800*	32.0	316.8	47,800*
260	21.0	275.8	56,100*	29.7	308.0	45,400*
270	12.4	239.9	50,700*	24.4	287.5	40,800*
280				17.7	260.0	36,400*
290				4.5	203.1	31,700*

180.0 ft Boom, 270.0 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle			80 Degree Boom Angle		
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds
110	72.6	447.2	191,600*			
115	71.5	445.4	191,100*			
120	70.4	443.6	189,500*			
125	69.2	441.7	186,200*			
130	68.1	439.6	176,800*			
135	66.9	437.5	168,200*			
140	65.8	435.1	160,200*			
145	64.6	432.7	152,700*			
150	63.4	430.2	145,800*	67.1	435.3	128,500*
155	62.2	427.5	139,200*	65.9	433.0	121,900*
160	61.0	424.7	133,100*	64.7	430.6	115,800*
165	59.7	421.7	127,400*	63.5	428.1	110,100*
170	58.5	418.6	122,000*	62.3	425.4	104,700*
175	57.2	415.3	116,500*	61.1	422.6	99,600*
180	55.9	411.9	111,200*	59.9	419.6	94,800*
185	54.6	408.3	106,200*	58.6	416.5	90,200*
190	53.3	404.5	101,400*	57.4	413.3	85,900*
195	52.0	400.6	96,900*	56.1	409.9	81,800*
200	50.6	396.4	92,600*	54.8	406.3	77,900*
205	49.2	392.0	88,600*	53.5	402.6	74,200*
210	47.7	387.5	84,700*	52.1	398.6	70,700*
215	46.2	382.6	80,900*	50.7	394.5	67,300*
220	44.7	377.5	77,400*	49.3	390.1	64,100*
225	43.2	372.1	74,000*	47.9	385.6	61,000*
230	41.6	366.5	70,700*	46.4	380.8	58,100*
235	39.9	360.4	67,600*	44.9	375.7	55,200*
240	38.2	354.0	64,600*	43.4	370.4	52,500*
245	36.4	347.2	61,700*	41.8	364.7	49,900*
250	34.5	339.9	58,900*	40.1	358.7	47,300*
255	32.5	332.1	56,200*	38.4	352.4	44,900*
260	30.5	323.6	53,600*	36.6	345.6	42,600*
270	25.8	304.1	48,600*	32.8	330.6	38,100*
280	20.1	279.2	43,900*	28.5	313.0	33,900*
290	11.9	241.9	39,300*	23.4	291.5	29,900*
300				17.0	262.8	26,100*
310				4.2	203.6	21,900*

Liftcrane Luffing Jib Capacities

18000

Luffing Jib No. 79A On

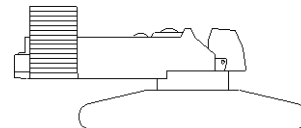
Boom No. 55 or No. 55A With 100 ft Mast No. 56

528,000 lb Crane Counterweight

320,000 lb Carbody Counterweight

Rating Over End of Blocked Crawlers

No Travel - Limited Swing


180.0 ft Boom, 290.0 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle		
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds
115	72.8	466.6	166,100*
120	71.8	464.9	165,600*
125	70.7	463.1	165,000*
130	69.7	461.2	164,400*
135	68.6	459.2	162,000*
140	67.6	457.1	157,200*
145	66.5	454.9	149,800*
150	65.4	452.5	142,800*
155	64.3	450.1	136,300*
160	63.2	447.5	130,200*
165	62.0	444.8	124,200*
170	60.9	442.0	118,300*
175	59.8	439.0	112,700*
180	58.6	435.9	107,400*
185	57.4	432.7	102,400*
190	56.2	429.3	97,700*
195	55.0	425.8	93,200*
200	53.8	422.1	88,900*
205	52.5	418.2	84,800*
210	51.3	414.1	81,000*
215	50.0	409.9	77,300*
220	48.7	405.4	73,700*
225	47.3	400.8	70,300*
230	45.9	395.9	67,100*
235	44.5	390.8	64,000*
240	43.1	385.4	61,000*
245	41.6	379.7	58,200*
250	40.0	373.7	55,400*
255	38.4	367.4	52,700*
260	36.8	360.6	50,200*
270	33.2	345.8	45,300*
280	29.3	328.8	40,800*
290	24.8	308.4	36,500*
300	19.4	282.5	32,300*
310	11.4	243.7	28,200*

180.0 ft Boom, 310.0 ft Luffing Jib

Jib Oper. Rad. Feet	85 Degree Boom Angle		
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds
125	72.0	484.3	143,600*
130	71.1	482.5	143,000*
135	70.1	480.7	142,400*
140	69.1	478.8	141,700*
145	68.1	476.7	140,900*
150	67.1	474.5	139,000*
155	66.1	472.3	133,900*
160	65.0	469.9	127,200*
165	64.0	467.4	121,000*
170	63.0	464.9	115,000*
175	61.9	462.1	109,500*
180	60.9	459.3	104,200*
185	59.8	456.4	99,200*
190	58.7	453.3	94,500*
195	57.6	450.1	90,000*
200	56.5	446.7	85,700*
205	55.4	443.2	81,700*
210	54.2	439.6	77,800*
215	53.1	435.8	74,100*
220	51.9	431.8	70,600*
225	50.7	427.6	67,200*
230	49.4	423.3	64,000*
235	48.2	418.8	60,900*
240	46.9	414.1	58,000*
245	45.6	409.2	55,100*
250	44.3	404.0	52,400*
255	42.9	398.6	49,800*
260	41.5	392.9	47,200*
270	38.6	380.6	42,400*
280	35.5	367.0	37,900*
290	32.1	351.5	33,700*
300	28.3	333.7	29,700*
310	24.0	312.5	25,900*
320	18.7	285.7	22,300*
330	11.0	245.5	18,700*

Liftcrane Luffing Jib Capacities

18000

Luffing Jib No. 79A On

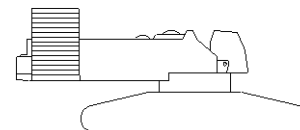
Boom No. 55 or No. 55A With 100 ft Mast No. 56

528,000 lb Crane Counterweight

320,000 lb Carbody Counterweight

Rating Over End of Blocked Crawlers

No Travel - Limited Swing



200.0 ft Boom, 90.0 ft Luffing Jib

Jib Oper. Rad. Feet	87 Degree Boom Angle			85 Degree Boom Angle			80 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	73.3	296.3	594,900*c							50
55	69.9	294.3	537,400*b							55
60	66.4	292.0	488,000*b	71.3	294.5	474,100*c				60
65	62.8	289.3	446,500*b	67.8	292.4	433,800*b				65
70	59.0	286.2	411,000*	64.2	289.8	399,300*b				70
75	55.1	282.5	380,400*	60.5	286.8	369,500*b				75
80	51.0	278.3	353,500*	56.7	283.4	343,500*				80
85	46.5	273.5	329,900*	52.6	279.4	320,500*	65.9	288.4	296,700*b	85
90	41.7	267.7	308,800*	48.3	274.8	300,100*	62.3	285.6	277,900*b	90
95	36.3	260.8	289,900*	43.6	269.5	281,800*	58.5	282.4	261,000*	95
100	29.9	252.1	272,800*	38.5	263.1	265,300*	54.5	278.7	245,700*	100
105	21.7	240.2	257,000*	32.6	255.2	250,300*	50.3	274.4	232,000*	105
110				25.3	244.9	236,400*	45.8	269.4	219,400*	110
115				14.1	228.1	223,200*	40.9	263.5	207,800*	115
120							35.4	256.4	197,200*	120
125							28.9	247.4	187,200*	125
130							20.2	234.7	177,800*	130

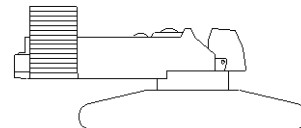
Capacities indicated by **(b)** require
21,000 lb minimum weight suspended
beneath luffing jib point.

Capacities indicated by **(c)** require
37,000 lb minimum weight suspended
beneath luffing jib point.

Liftcrane Luffing Jib Capacities

18000

Luffing Jib No. 79A On
 Boom No. 55 or No. 55A With 100 ft Mast No. 56
 528,000 lb Crane Counterweight
 320,000 lb Carbody Counterweight
 Rating Over End of Blocked Crawlers
 No Travel - Limited Swing



200.0 ft Boom, 110.0 ft Luffing Jib

Jib Oper. Rad. Feet	87 Degree Boom Angle			85 Degree Boom Angle			80 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
55	73.7	315.7	527,700* b							55
60	71.0	313.9	486,900* b							60
65	68.1	311.8	445,500* b	72.1	314.0	432,200* b				65
70	65.3	309.3	410,100* b	69.3	312.0	397,900* b				70
75	62.3	306.6	379,600*	66.4	309.7	368,200* b				75
80	59.2	303.5	352,900*	63.5	307.1	342,400*				80
85	56.1	300.0	329,400*	60.4	304.1	319,500*				85
90	52.7	296.1	308,600*	57.3	300.8	299,300*	67.7	308.2	276,000* b	90
95	49.3	291.7	289,900*	54.1	297.1	281,200*	64.8	305.7	259,200*	95
100	45.6	286.7	273,100*	50.7	292.9	264,900*	61.8	302.9	244,200*	100
105	41.6	280.9	257,900*	47.1	288.1	250,200*	58.8	299.8	230,500*	105
110	37.3	274.3	244,000*	43.2	282.7	236,700*	55.6	296.2	218,100*	110
115	32.4	266.4	231,300*	39.1	276.4	224,400*	52.3	292.2	206,800*	115
120	26.7	256.6	219,500*	34.4	269.1	213,100*	48.8	287.7	196,400*	120
125	19.3	243.2	208,500*	29.1	260.1	202,600*	45.0	282.6	186,800*	125
130				22.5	248.5	192,700*	41.0	276.8	177,900*	130
135				12.5	229.9	183,200*	36.6	270.0	169,600*	135
140							31.7	261.9	161,800*	140
145							25.8	251.7	154,500*	145
150							17.9	237.4	147,400*	150

Capacities indicated by **(b)** require
 21,000 lb minimum weight suspended
 beneath luffing jib point.

Liftcrane Luffing Jib Capacities

18000

Luffing Jib No. 79A On

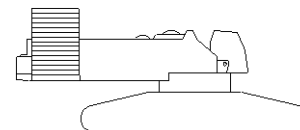
Boom No. 55 or No. 55A With 100 ft Mast No. 56

528,000 lb Crane Counterweight

320,000 lb Carbody Counterweight

Rating Over End of Blocked Crawlers

No Travel - Limited Swing



200.0 ft Boom, 130.0 ft Luffing Jib

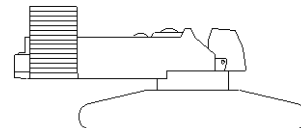
Jib Oper. Rad. Feet	87 Degree Boom Angle			85 Degree Boom Angle			80 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
60	74.0	335.1	451,900* b							60
65	71.7	333.4	439,000* b							65
70	69.3	331.4	407,600* b	72.6	333.5	394,900* b				70
75	66.9	329.1	377,100*	70.3	331.6	365,300* b				75
80	64.4	326.7	350,500*	67.9	329.4	339,500*				80
85	61.9	323.9	327,100*	65.4	327.0	316,800*				85
90	59.3	320.8	306,400*	62.9	324.4	296,700*				90
95	56.7	317.5	287,800*	60.4	321.5	278,700*				95
100	53.9	313.7	271,200*	57.7	318.2	262,500*	66.6	325.5	240,800*	100
105	51.1	309.6	256,100*	55.0	314.6	247,900*	64.1	323.0	227,300*	105
110	48.1	305.0	242,300*	52.2	310.6	234,600*	61.6	320.2	215,000*	110
115	44.9	299.9	229,800*	49.3	306.2	222,400*	59.0	317.1	203,800*	115
120	41.6	294.2	218,300*	46.2	301.3	211,200*	56.3	313.7	193,500*	120
125	38.0	287.7	207,700*	42.9	295.9	201,000*	53.5	309.9	184,000*	125
130	34.0	280.2	197,800*	39.4	289.7	191,400*	50.7	305.7	175,300*	130
135	29.6	271.5	188,700*	35.6	282.7	182,600*	47.6	301.0	167,100*	135
140	24.3	260.7	180,000*	31.4	274.5	174,300*	44.5	295.8	159,600*	140
145	17.5	246.0	171,800*	26.5	264.6	166,600*	41.1	290.0	152,500*	145
150				20.5	251.9	159,200*	37.4	283.4	145,900*	150
155				11.2	231.4	151,900*	33.4	275.8	139,700*	155
160							28.9	266.8	133,800*	160
165							23.5	255.6	128,100*	165
170							16.3	240.0	122,600*	170

Capacities indicated by **(b)** require
21,000 lb minimum weight suspended
beneath luffing jib point.

Liftcrane Luffing Jib Capacities

18000

Luffing Jib No. 79A On
Boom No. 55 or No. 55A With 100 ft Mast No. 56
528,000 lb Crane Counterweight
320,000 lb Carbody Counterweight
Rating Over End of Blocked Crawlers
No Travel - Limited Swing



200.0 ft Boom, 150.0 ft Luffing Jib

Jib Oper. Rad. Feet	87 Degree Boom Angle			85 Degree Boom Angle			80 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
65	74.2	354.5	390,400*							65
70	72.2	352.8	380,400*							70
75	70.2	350.9	369,400*							75
80	68.1	348.8	348,800*	71.0	351.1	337,500*				80
85	66.0	346.5	325,400*	68.9	349.1	314,800*				85
90	63.9	344.0	304,700*	66.8	346.8	294,700*				90
95	61.7	341.2	286,200*	64.7	344.4	276,800*				95
100	59.4	338.2	269,600*	62.5	341.7	260,700*				100
105	57.1	334.9	254,500*	60.3	338.8	246,100*	67.8	345.2	225,000*	105
110	54.8	331.2	240,900*	58.1	335.6	232,800*	65.7	342.9	212,700*	110
115	52.4	327.3	228,400*	55.7	332.1	220,800*	63.5	340.3	201,600*	115
120	49.8	323.0	217,000*	53.3	328.3	209,700*	61.3	337.5	191,400*	120
125	47.2	318.3	206,500*	50.8	324.1	199,500*	59.1	334.4	182,000*	125
130	44.5	313.1	196,800*	48.3	319.6	190,100*	56.8	331.1	173,300*	130
135	41.6	307.4	187,700*	45.6	314.6	181,300*	54.4	327.4	165,200*	135
140	38.5	301.0	179,400*	42.7	309.1	173,200*	52.0	323.4	157,700*	140
145	35.1	293.9	171,500*	39.7	303.0	165,600*	49.5	319.1	150,800*	145
150	31.5	285.7	164,200*	36.5	296.2	158,500*	46.8	314.3	144,300*	150
155	27.4	276.1	157,200*	33.0	288.5	151,900*	44.1	309.0	138,100*	155
160	22.5	264.4	150,700*	29.1	279.5	145,600*	41.1	303.2	132,400*	160
165	16.1	248.5	144,300*	24.5	268.8	139,600*	38.0	296.8	127,000*	165
170				18.9	254.9	133,800*	34.6	289.5	121,800*	170
175				10.3	232.9	128,100*	30.9	281.2	116,500*	175
180							26.7	271.3	111,400*	180
185							21.7	259.2	106,500*	185
190							15.0	242.3	101,600*	190

Capacities indicated by **(b)** require
21,000 lb minimum weight suspended
beneath luffing jib point.

Liftcrane Luffing Jib Capacities

18000

Luffing Jib No. 79A On

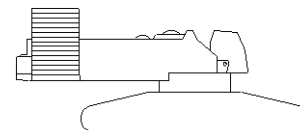
Boom No. 55 or No. 55A With 100 ft Mast No. 56

528,000 lb Crane Counterweight

320,000 lb Carbody Counterweight

Rating Over End of Blocked Crawlers

No Travel - Limited Swing



200.0 ft Boom, 170.0 ft Luffing Jib

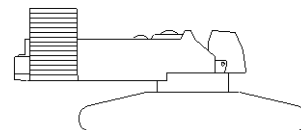
Jib Oper. Rad. Feet	87 Degree Boom Angle			85 Degree Boom Angle			80 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
70	74.4	373.9	338,500*							70
75	72.6	372.2	330,600*							75
80	70.8	370.4	322,100*							80
85	69.0	368.4	313,100*	71.5	370.5	311,700*				85
90	67.2	366.3	302,000*	69.7	368.6	291,700*				90
95	65.3	363.9	283,500*	67.9	366.5	273,800*				95
100	63.4	361.3	266,900*	66.0	364.2	257,700*				100
105	61.5	358.5	251,900*	64.2	361.7	243,200*				105
110	59.5	355.5	238,300*	62.2	359.0	230,000*				110
115	57.5	352.2	225,900*	60.3	356.1	218,000*	66.9	362.7	198,100*	115
120	55.4	348.7	214,500*	58.3	352.9	206,900*	65.0	360.3	188,000*	120
125	53.3	344.9	204,100*	56.3	349.5	196,800*	63.1	357.7	178,600*	125
130	51.1	340.8	194,400*	54.2	345.8	187,400*	61.2	354.8	170,000*	130
135	48.9	336.4	185,400*	52.0	341.8	178,800*	59.2	351.8	162,000*	135
140	46.5	331.5	177,100*	49.8	337.5	170,700*	57.2	348.5	154,600*	140
145	44.1	326.3	169,400*	47.5	332.9	163,200*	55.1	344.9	147,700*	145
150	41.5	320.6	162,100*	45.1	327.8	156,200*	53.0	341.1	141,200*	150
155	38.8	314.3	155,300*	42.6	322.3	149,600*	50.8	336.9	135,200*	155
160	36.0	307.4	148,900*	39.9	316.3	143,400*	48.5	332.4	129,500*	160
165	32.9	299.6	142,900*	37.1	309.6	137,600*	46.2	327.5	123,700*	165
170	29.4	290.8	137,200*	34.1	302.2	132,100*	43.7	322.3	118,300*	170
175	25.6	280.5	131,800*	30.8	293.8	126,900*	41.2	316.5	113,100*	175
180	21.0	267.9	126,600*	27.2	284.2	121,900*	38.4	310.1	108,200*	180
185	15.0	250.9	121,500*	22.9	272.6	117,100*	35.5	303.1	103,500*	185
190				17.7	257.8	112,500*	32.4	295.2	99,100*	190
195				9.5	234.2	107,900*	28.9	286.2	94,800*	195
200							25.0	275.6	90,700*	200
205							20.3	262.5	86,600*	205
210							13.9	244.5	82,600*	210

Capacities indicated by (b) require
21,000 lb minimum weight suspended
beneath luffing jib point.

Liftcrane Luffing Jib Capacities

18000

Luffing Jib No. 79A On
 Boom No. 55 or No. 55A With 100 ft Mast No. 56
 528,000 lb Crane Counterweight
 320,000 lb Carbody Counterweight
 Rating Over End of Blocked Crawlers
 No Travel - Limited Swing



200.0 ft Boom, 190.0 ft Luffing Jib

Jib Oper. Rad. Feet	87 Degree Boom Angle			85 Degree Boom Angle			80 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
75	74.5	393.3	295,400*							75
80	72.9	391.7	289,200*							80
85	71.3	389.9	282,600*							85
90	69.7	388.0	275,300*	71.9	390.0	289,400*				90
95	68.1	385.9	267,900*	70.3	388.1	271,500*				95
100	66.4	383.7	260,200*	68.7	386.1	255,500*				100
105	64.7	381.2	249,900*	67.1	384.0	241,000*				105
110	63.0	378.6	236,300*	65.4	381.6	227,800*				110
115	61.3	375.8	223,900*	63.7	379.1	215,800*				115
120	59.6	372.8	212,600*	62.0	376.3	204,800*	67.8	382.3	185,400*	120
125	57.8	369.6	202,100*	60.3	373.4	194,700*	66.2	380.1	176,100*	125
130	55.9	366.1	192,500*	58.5	370.3	185,400*	64.5	377.6	167,600*	130
135	54.1	362.5	183,600*	56.7	366.9	176,700*	62.8	375.0	159,600*	135
140	52.1	358.5	175,300*	54.8	363.3	168,700*	61.1	372.1	152,200*	140
145	50.2	354.3	167,600*	52.9	359.5	161,200*	59.3	369.1	145,400*	145
150	48.1	349.7	160,400*	50.9	355.3	154,300*	57.5	365.9	138,900*	150
155	46.0	344.8	153,600*	48.9	350.9	147,700*	55.7	362.4	132,700*	155
160	43.8	339.5	147,300*	46.9	346.2	141,600*	53.8	358.6	126,600*	160
165	41.5	333.8	141,400*	44.7	341.0	135,800*	51.9	354.6	120,900*	165
170	39.1	327.6	135,700*	42.4	335.5	130,400*	49.9	350.4	115,400*	170
175	36.6	320.9	130,400*	40.1	329.5	125,300*	47.8	345.8	110,300*	175
180	33.9	313.4	125,400*	37.6	323.0	120,400*	45.7	340.8	105,500*	180
185	30.9	305.0	120,600*	35.0	315.8	115,800*	43.5	335.5	100,900*	185
190	27.7	295.6	116,000*	32.1	307.8	111,400*	41.2	329.7	96,600*	190
195	24.1	284.6	111,700*	29.0	298.9	107,200*	38.8	323.4	92,400*	195
200	19.8	271.2	107,500*	25.6	288.5	103,100*	36.2	316.5	88,400*	200
205	14.1	253.2	103,300*	21.6	276.2	98,800*	33.5	309.0	84,600*	205
210				16.6	260.5	94,600*	30.5	300.5	81,000*	210
215				8.9	235.5	90,200*	27.2	290.9	77,500*	215
220							23.5	279.6	74,100*	220
225							19.1	265.7	70,700*	225
230							13.1	246.6	67,400*	230