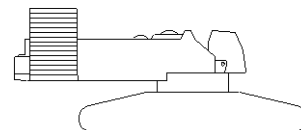


Liftcrane Luffing Jib Capacities

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
360 Degree Rating

Meets
ANSI B30.5
Requirements



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. 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. 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, 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 with boom and luffing jib within angle range shown in capacity chart. Refer to Maximum Allowable Travel Specification chart **No. 8593-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. 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

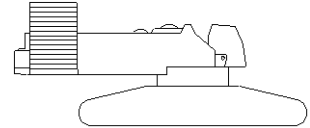
Deduct 1,000 Lbs. from capacities when boom and/or jib catwalks are attached.

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
 360 Degree Rating

Meets
 ANSI B30.5
 Requirements



160 Ft. Boom, 90 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	215,100
120				25.9	203.7	202,600
125				15.3	187.9	190,800

160 Ft. Boom, 110 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	249.7	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	215,000
120	30.8	223.2	216,800*	43.5	241.0	203,000
125	24.7	212.6	204,900	39.4	234.9	191,900
130	16.3	197.2	193,600	34.8	227.6	181,800
135				29.5	218.8	172,400
140				23.1	207.5	163,500
145				13.5	189.8	155,000

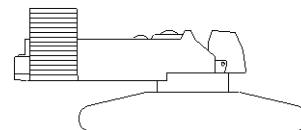
Capacities indicated by **(b)** require
 21,000 Lb. minimum weight suspended
 beneath luffing jib point.

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
 360 Degree Rating

Meets
 ANSI B30.5
 Requirements



160 Ft. Boom, 130 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*			
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	200,800
125	40.5	251.8	204,100	49.5	264.5	189,900
130	36.8	245.1	193,400	46.4	259.7	180,000
135	32.8	237.3	183,500	43.2	254.2	170,800
140	28.1	228.0	174,400	39.7	248.1	162,300
145	22.5	216.3	165,800	35.9	241.2	154,400
150	14.8	199.4	157,600	31.7	233.1	147,000
155				26.9	223.4	140,100
160				21.0	210.9	133,500
165				12.2	191.5	127,100

160 Ft. Boom, 150 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	199,200
125	49.1	281.1	203,100	55.9	290.3	188,300
130	46.4	276.3	192,500	53.5	286.5	178,400
135	43.6	271.0	182,700	51.0	282.4	169,300
140	40.7	265.0	173,700	48.5	277.9	160,900
145	37.5	258.5	165,400	45.8	272.9	153,200
150	34.1	251.1	157,600	42.9	267.5	145,900
155	30.3	242.5	150,400	39.9	261.4	139,200
160	26.0	232.4	143,600	36.7	254.7	132,900
165	20.8	219.7	137,100	33.2	247.0	127,000
170	13.6	201.5	130,800	29.4	238.1	121,400
175				24.9	227.6	116,100
180				19.4	214.1	111,000
185				11.2	193.1	105,900

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

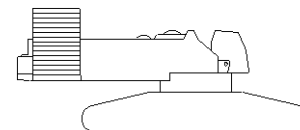


Liftcrane Luffing Jib Capacities

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
 360 Degree Rating

Meets
 ANSI B30.5
 Requirements



160 Ft. Boom, 170 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	196,400
125	54.8	307.1	200,900*	60.4	314.3	185,600
130	52.7	303.2	190,400	58.4	311.1	175,700
135	50.5	299.0	180,700	56.4	307.7	166,700
140	48.2	294.5	171,700	54.3	304.1	158,400
145	45.8	289.5	163,500	52.2	300.1	150,600
150	43.3	284.2	155,800	49.9	295.8	143,500
155	40.7	278.3	148,600	47.6	291.2	136,800
160	38.0	271.8	142,000	45.3	286.1	130,600
165	35.0	264.7	135,700	42.8	280.7	124,800
170	31.9	256.6	129,800	40.1	274.7	119,300
175	28.3	247.4	124,200	37.3	268.1	114,100
180	24.3	236.5	118,900	34.3	260.7	109,300
185	19.4	222.9	113,900	31.1	252.4	104,600
190	12.6	203.5	108,900	27.4	242.9	100,200
195				23.3	231.5	96,000
200				18.1	217.0	91,900
205				10.4	194.6	87,800

160 Ft. Boom, 190 Ft. Luffing Jib

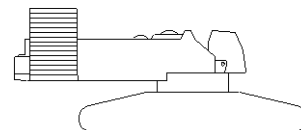
Jib Oper. Rad. Feet	85 Degree Boom Angle			80 Degree Boom Angle		
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds
85	72.4	350.7	315,600*			
90	70.8	348.9	295,300*			
95	69.2	346.9	277,100*			
100	67.6	344.8	260,700*			
105	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	194,200
125	59.0	331.4	198,900*	63.8	337.2	183,500
130	57.2	328.1	188,600	62.1	334.5	173,700
135	55.4	324.6	179,000	60.4	331.6	164,600
140	53.5	320.8	170,100	58.6	328.5	156,300
145	51.5	316.8	161,800	56.8	325.1	148,600
150	49.5	312.4	154,200	54.9	321.5	141,500
155	47.5	307.8	147,100	53.0	317.7	134,900
160	45.4	302.8	140,400	51.1	313.6	128,700
165	43.1	297.4	134,200	49.1	309.2	122,900
170	40.8	291.5	128,400	47.0	304.5	117,500
175	38.4	285.2	122,900	44.9	299.4	112,400
180	35.8	278.2	117,800	42.6	293.9	107,600
185	33.0	270.5	112,900	40.3	287.9	103,100
190	30.0	261.8	108,200	37.8	281.4	98,800
195	26.7	252.0	103,800	35.2	274.3	94,700
200	22.9	240.4	99,600	32.3	266.4	90,800
205	18.3	226.0	95,500	29.3	257.5	87,100
210	11.9	205.3	91,500	25.8	247.3	83,500
215				21.9	235.2	80,100
220				17.0	219.8	76,800
225				9.7	196.1	73,400

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
360 Degree Rating

Meets
ANSI B30.5
Requirements


160 Ft. Boom, 210 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	180,500
130	60.7	351.8	186,200	65.0	357.1	170,700
135	59.1	348.7	176,500	63.5	354.5	161,700
140	57.5	345.5	167,600	61.9	351.8	153,500
145	55.8	342.0	159,400	60.3	348.9	145,800
150	54.1	338.4	151,800	58.7	345.8	138,700
155	52.4	334.4	144,700	57.1	342.5	132,100
160	50.6	330.3	138,100	55.4	339.0	126,000
165	48.8	325.8	131,900	53.7	335.3	120,200
170	46.9	321.1	126,100	52.0	331.3	114,800
175	45.0	316.0	120,700	50.2	327.1	109,700
180	43.0	310.6	115,600	48.4	322.6	105,000
185	40.9	304.8	110,700	46.5	317.8	100,500
190	38.7	298.5	106,200	44.5	312.6	96,200
195	36.4	291.6	101,800	42.5	307.1	92,200
200	33.9	284.2	97,700	40.4	301.2	88,400
205	31.3	276.0	93,800	38.2	294.8	84,700
210	28.4	266.8	90,100	35.8	287.8	81,300
215	25.3	256.3	86,500	33.3	280.2	78,000
220	21.7	244.1	83,000	30.7	271.8	74,800
225	17.3	228.8	79,600	27.7	262.3	71,800
230	11.2	207.1	76,300	24.5	251.5	68,800
235				20.7	238.7	66,000
240				16.1	222.4	63,200
245				9.2	197.4	60,300

160 Ft. Boom, 230 Ft. Luffing Jib

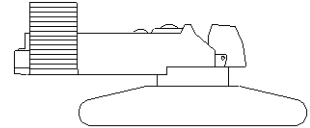
Jib Oper. Rad. Feet	85 Degree Boom Angle			80 Degree Boom Angle		
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds
95	73.0	389.5	271,700*			
100	71.7	387.8	255,500*			
105	70.3	386.0	240,700*			
110	69.0	384.0	227,400*			
115	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	184,200	67.3	379.2	168,400
135	62.1	372.0	174,500	66.0	376.9	159,500
140	60.6	369.1	165,600	64.6	374.5	151,200
145	59.2	366.1	157,400	63.2	371.9	143,500
150	57.7	362.8	149,800	61.8	369.1	136,500
155	56.2	359.4	142,800	60.3	366.2	129,900
160	54.7	355.8	136,200	58.9	363.1	123,700
165	53.1	352.0	130,000	57.4	359.9	118,000
170	51.5	348.0	124,200	55.9	356.4	112,600
175	49.9	343.7	118,800	54.3	352.8	107,600
180	48.2	339.2	113,700	52.7	348.9	102,800
185	46.5	334.4	108,900	51.1	344.9	98,400
190	44.7	329.3	104,400	49.5	340.5	94,100
195	42.8	323.8	100,100	47.8	335.9	90,100
200	40.9	318.0	96,000	46.1	331.0	86,400
205	38.9	311.8	92,100	44.3	325.9	82,800
210	36.8	305.1	88,400	42.4	320.3	79,300
215	34.7	297.8	84,900	40.5	314.4	76,100
220	32.3	289.9	81,500	38.5	308.1	73,000
225	29.8	281.2	78,300	36.4	301.3	70,000
230	27.1	271.5	75,200	34.1	293.9	67,100
235	24.1	260.5	72,200	31.8	285.8	64,400
240	20.6	247.6	69,300	29.2	276.9	61,800
245	16.5	231.6	66,500	26.4	266.9	59,200
250	10.6	208.7	63,700	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
 360 Degree Rating

Meets
 ANSI B30.5
 Requirements



160 Ft. Boom, 250 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	172,000			
140	63.2	392.0	163,100	66.8	396.6	148,200
145	61.9	389.3	154,900	65.5	394.3	140,600
150	60.6	386.4	147,300	64.2	391.8	133,500
155	59.3	383.4	140,200	62.9	389.2	127,000
160	57.9	380.2	133,600	61.6	386.5	120,900
165	56.5	376.8	127,500	60.3	383.5	115,100
170	55.1	373.3	121,700	58.9	380.5	109,800
175	53.7	369.6	116,300	57.6	377.3	104,800
180	52.2	365.6	111,200	56.2	373.9	100,000
185	50.7	361.5	106,400	54.8	370.3	95,600
190	49.2	357.1	101,900	53.4	366.5	91,400
195	47.7	352.5	97,600	51.9	362.5	87,400
200	46.1	347.7	93,600	50.4	358.3	83,600
205	44.4	342.5	89,700	48.9	353.9	80,100
210	42.7	337.0	86,100	47.3	349.2	76,700
215	41.0	331.2	82,600	45.7	344.3	73,400
220	39.1	325.1	79,200	44.0	339.1	70,300
225	37.2	318.5	76,100	42.3	333.6	67,400
230	35.3	311.3	73,000	40.5	327.7	64,500*
235	33.2	303.7	70,100	38.7	321.4	61,500*
240	30.9	295.3	67,300	36.8	314.7	58,700*
245	28.5	286.2	64,600	34.8	307.4	56,000*
250	25.9	276.0	62,000	32.7	299.6	53,300*
255	23.0	264.4	59,500	30.4	291.1	50,800*
260	19.7	250.9	57,000	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 Ft. Boom, 270 Ft. Luffing Jib

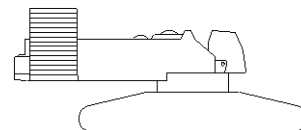
Jib Oper. Rad. Feet	85 Degree Boom Angle			80 Degree Boom Angle		
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds
110	72.2	426.6	207,300*			
115	71.1	424.9	206,700*			
120	70.0	423.0	198,700*			
125	68.8	421.0	188,500*			
130	67.7	419.0	179,000*			
135	66.5	416.7	169,800			
140	65.4	414.4	160,900			
145	64.2	411.9	152,700	67.4	416.3	138,200
150	63.0	409.3	145,100	66.3	414.0	131,200
155	61.8	406.6	138,100	65.1	411.6	124,600
160	60.6	403.7	131,500	63.9	409.2	118,500
165	59.3	400.7	125,400	62.7	406.5	112,800
170	58.1	397.5	119,600	61.5	403.8	107,500
175	56.8	394.2	114,200	60.3	400.9	102,400
180	55.5	390.7	109,100	59.0	397.8	97,700
185	54.2	387.1	104,300	57.8	394.6	93,300
190	52.8	383.2	99,800	56.5	391.3	89,100
195	51.5	379.2	95,500	55.2	387.7	85,100
200	50.1	375.0	91,500	53.9	384.0	81,400
205	48.7	370.5	87,700	52.5	380.1	77,800
210	47.2	365.9	84,000	51.2	376.1	74,400
215	45.7	360.9	80,500	49.8	371.8	71,000*
220	44.2	355.7	77,200	48.3	367.3	67,600*
225	42.6	350.3	74,100	46.9	362.6	64,500*
230	41.0	344.5	71,100	45.4	357.6	61,400*
235	39.3	338.3	68,200	43.8	352.3	58,500*
240	37.6	331.8	65,400	42.3	346.8	55,700*
245	35.8	324.8	62,700	40.6	340.9	53,000*
250	33.8	317.4	60,200	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
360 Degree Rating

Meets
ANSI B30.5
Requirements



160 Ft. Boom 290 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	167,200			
140	67.2	436.4	158,300			
145	66.1	434.1	150,100			
150	65.0	431.8	142,600			
155	63.9	429.3	135,500	66.9	433.7	121,600
160	62.8	426.7	128,900	65.8	431.4	115,600
165	61.7	423.9	122,800	64.7	429.0	109,900
170	60.5	421.0	117,000	63.6	426.5	104,500
175	59.4	418.0	111,600	62.5	423.9	99,500
180	58.2	414.9	106,600	61.4	421.1	94,800
185	57.0	411.6	101,800	60.2	418.2	90,400*
190	55.8	408.2	97,300	59.1	415.1	85,900*
195	54.6	404.6	93,000	57.9	412.0	81,800*
200	53.4	400.8	89,000	56.7	408.6	77,800*
205	52.1	396.9	85,100	55.5	405.2	74,000*
210	50.8	392.7	81,500	54.3	401.5	70,400*
215	49.5	388.4	78,000	53.1	397.7	67,000*
220	48.2	383.9	74,700	51.8	393.7	63,700*
225	46.8	379.2	71,600	50.5	389.6	60,500*
230	45.4	374.2	68,600	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 Ft. Boom 310 Ft. Luffing Jib

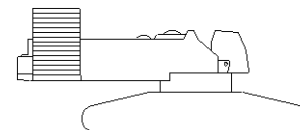
Jib Oper. Rad. Feet	85 Degree Boom Angle		
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds
120	72.7	465.5	153,000*
125	71.7	463.8	152,300*
130	70.7	462.0	151,500*
135	69.7	460.1	150,800*
140	68.7	458.1	150,000*
145	67.7	456.0	147,900
150	66.7	453.9	140,300
155	65.7	451.5	133,300
160	64.7	449.1	126,700
165	63.6	446.6	120,500
170	62.6	444.0	114,800
175	61.5	441.2	109,400
180	60.5	438.4	104,300
185	59.4	435.4	99,500
190	58.3	432.2	95,000
195	57.2	429.0	90,800
200	56.1	425.6	86,700
205	55.0	422.0	82,900
210	53.8	418.3	79,300
215	52.6	414.5	75,800
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
 360 Degree Rating

Meets
 ANSI B30.5
 Requirements



180 Ft. Boom, 90 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	199,600
125				23.2	219.5	188,300
130				9.2	198.1	177,100

180 Ft. Boom, 110 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	199,500
125	27.0	236.6	204,000	42.3	258.9	188,700
130	19.7	223.4	193,000	38.0	252.5	178,700
135				33.3	244.8	169,500
140				27.7	235.4	160,900
145				20.7	222.8	152,800
150				7.9	198.8	144,600

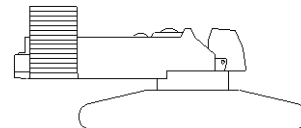
Capacities indicated by **(b)** require
 21,000 Lb. minimum weight suspended
 beneath luffing jib point.

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
360 Degree Rating

Meets
ANSI B30.5
Requirements


180 Ft. Boom, 130 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	197,200
125	41.8	273.9	202,800*	51.5	287.3	186,500
130	38.2	267.4	192,500	48.6	282.8	176,700
135	34.2	260.0	182,600	45.5	277.8	167,700
140	29.8	251.4	173,500	42.1	272.2	159,300
145	24.6	240.7	165,000	38.6	265.8	151,600
150	17.9	226.3	157,000	34.7	258.5	144,400
155				30.3	250.0	137,600
160				25.3	239.6	131,200
165				18.8	225.8	125,100
170				7.0	199.5	118,800

180 Ft. Boom, 150 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	195,400
125	50.0	302.6	201,400*	57.5	312.4	184,800
130	47.3	298.0	191,400	55.2	308.9	175,000
135	44.6	292.8	181,700	52.8	305.0	166,100
140	41.7	287.1	172,800	50.2	300.7	157,800
145	38.6	280.8	164,500	47.6	296.1	150,200
150	35.3	273.7	156,800	44.9	291.0	143,100
155	31.7	265.6	149,600	42.0	285.4	136,500
160	27.6	256.1	142,800	39.0	279.1	130,300
165	22.7	244.5	136,400	35.7	272.1	124,500
170	16.5	228.9	130,300	32.1	264.1	119,000
175				28.1	254.8	113,800
180				23.4	243.5	108,800
185				17.3	228.6	104,000
190				6.3	200.2	99,000

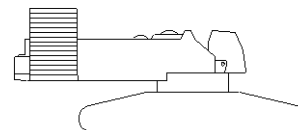
Capacities indicated by **(b)** require
 21,000 Lb. minimum weight suspended
 beneath luffing jib point.

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
 360 Degree Rating

Meets
 ANSI B30.5
 Requirements



180 Ft. Boom, 170 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	181,900
130	53.4	324.5	189,200	59.8	333.0	172,200
135	51.2	320.5	179,600	57.8	329.8	163,300
140	49.0	316.0	170,700	55.8	326.3	155,100
145	46.7	311.2	162,500	53.7	322.6	147,500
150	44.2	306.0	154,900	51.5	318.5	140,500
155	41.7	300.3	147,800	49.2	314.1	133,900
160	39.0	294.1	141,100	46.9	309.4	127,800
165	36.1	287.2	134,900	44.5	304.2	122,100
170	33.0	279.5	129,000	42.0	298.6	116,700
175	29.6	270.7	123,500	39.3	292.4	111,700
180	25.8	260.5	118,200	36.4	285.6	106,900
185	21.2	248.0	113,200	33.4	278.0	102,400
190	15.4	231.3	108,400	30.0	269.4	98,000
195				26.2	259.3	93,900
200				21.8	247.2	90,000
205				16.2	231.2	86,100
210				5.8	200.8	82,000

180 Ft. Boom, 190 Ft. Luffing Jib

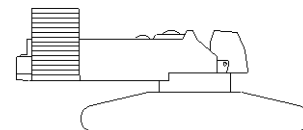
Jib Oper. Rad. Feet	85 Degree Boom Angle			80 Degree Boom Angle		
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds
85	73.0	371.2	312,500*			
90	71.4	369.4	292,300*			
95	69.8	367.5	274,300*			
100	68.1	365.5	258,100*			
105	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	179,700
130	57.8	349.2	187,300*	63.3	356.1	170,000
135	56.0	345.8	177,900	61.6	353.3	161,200
140	54.1	342.1	169,000	59.8	350.4	153,000
145	52.2	338.1	160,800	58.1	347.2	145,500
150	50.3	333.9	153,200	56.2	343.8	138,400
155	48.2	329.4	146,100	54.4	340.1	131,900
160	46.1	324.5	139,500	52.4	336.2	125,900
165	43.9	319.2	133,400	50.5	332.0	120,200
170	41.6	313.5	127,600	48.5	327.5	114,800
175	39.2	307.4	122,100	46.4	322.7	109,800
180	36.7	300.6	117,000	44.2	317.5	105,100
185	34.0	293.2	112,100	41.9	311.8	100,700
190	31.1	284.9	107,500	39.5	305.7	96,400
195	27.9	275.5	103,200	37.0	299.0	92,400
200	24.3	264.6	99,000	34.3	291.7	88,600
205	20.0	251.4	94,900	31.4	283.5	85,000
210	14.4	233.6	91,000	28.3	274.2	81,500
215				24.7	263.5	78,200
220				20.5	250.6	75,000
225				15.2	233.6	71,800
230				5.4	201.4	68,400

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
360 Degree Rating

Meets
ANSI B30.5
Requirements


180 Ft. Boom, 210 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	176,600
130	61.3	372.7	184,500*	66.1	378.5	167,000
135	59.7	369.7	175,400	64.5	376.0	158,200
140	58.1	366.6	166,500	63.0	373.4	150,000
145	56.4	363.2	158,400	61.4	370.6	142,500
150	54.7	359.6	150,800	59.9	367.7	135,500
155	53.0	355.7	143,700	58.2	364.5	129,000
160	51.3	351.7	137,200	56.6	361.2	123,000
165	49.4	347.3	131,000	54.9	357.6	117,300
170	47.6	342.7	125,300	53.2	353.8	112,100
175	45.7	337.8	119,800	51.5	349.7	107,100
180	43.7	332.5	114,800	49.7	345.4	102,400
185	41.6	326.8	109,900	47.8	340.8	98,000
190	39.5	320.7	105,400	45.9	335.9	93,800
195	37.2	314.0	101,100	43.9	330.7	89,900
200	34.8	306.8	97,000	41.9	325.0	86,100
205	32.2	298.9	93,100	39.7	319.0	82,500
210	29.5	290.0	89,400	37.5	312.4	79,100
215	26.4	280.1	85,800	35.1	305.2	75,900
220	23.0	268.5	82,400	32.5	297.4	72,800
225	18.9	254.5	79,100	29.8	288.7	69,800
230	13.7	235.8	75,800	26.8	278.9	67,000
235				23.4	267.5	64,200
240				19.4	253.9	61,500
245				14.4	236.0	58,500*
250				5.0	202.0	55,200*

180 Ft. Boom, 230 Ft. Luffing Jib

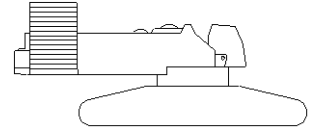
Jib Oper. Rad. Feet	85 Degree Boom Angle			80 Degree Boom Angle		
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds
100	72.1	408.3	252,700*			
105	70.8	406.5	238,100*			
110	69.5	404.6	224,900*			
115	68.1	402.5	212,800*			
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	173,300	66.9	398.2	155,800
140	61.2	390.0	164,500	65.5	395.9	147,700
145	59.7	387.1	156,300	64.1	393.4	140,200
150	58.2	383.9	148,800	62.7	390.7	133,200
155	56.7	380.6	141,700	61.3	388.0	126,800
160	55.2	377.0	135,200	59.9	385.0	120,700
165	53.7	373.3	129,000	58.4	381.9	115,100
170	52.1	369.4	123,300	56.9	378.6	109,800
175	50.4	365.2	117,900	55.4	375.0	104,900
180	48.8	360.7	112,800	53.8	371.3	100,200
185	47.1	356.0	108,100	52.2	367.4	95,800
190	45.3	351.0	103,500	50.6	363.2	91,700
195	43.5	345.7	99,300	49.0	358.8	87,700
200	41.6	340.0	95,200	47.3	354.2	84,000
205	39.6	333.9	91,400	45.5	349.2	80,500
210	37.6	327.4	87,700	43.7	343.9	77,100
215	35.4	320.3	84,200	41.8	338.3	73,900
220	33.2	312.7	80,900	39.9	332.2	70,900
225	30.7	304.2	77,700	37.8	325.7	67,900
230	28.1	294.9	74,600	35.7	318.8	64,900*
235	25.2	284.4	71,600	33.4	311.2	62,000*
240	21.9	272.2	68,800	31.0	302.9	59,200*
245	18.0	257.5	66,000	28.4	293.6	56,500*
250	13.0	237.9	63,200	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
 360 Degree Rating

Meets
 ANSI B30.5
 Requirements



180 Ft. Boom, 250 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	427.7	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	417.7	179,200*			
135	65.0	415.4	170,600*			
140	63.7	412.8	161,900	67.6	417.8	144,600
145	62.4	410.2	153,700	66.4	415.6	137,100
150	61.1	407.4	146,200	65.1	413.2	130,200
155	59.7	404.4	139,200	63.8	410.7	123,800
160	58.4	401.3	132,600	62.5	408.1	117,800
165	57.0	398.0	126,500	61.2	405.3	112,100
170	55.6	394.5	120,800	59.9	402.3	106,900
175	54.2	390.8	115,400	58.5	399.2	102,000
180	52.7	387.0	110,300	57.2	395.9	97,300
185	51.3	382.9	105,600	55.8	392.5	92,900
190	49.8	378.6	101,100	54.4	388.8	88,800
195	48.2	374.1	96,800	52.9	385.0	84,900
200	46.6	369.3	92,800	51.4	381.0	81,200*
205	45.0	364.3	88,900	49.9	376.7	77,400*
210	43.3	358.9	85,300	48.4	372.2	73,900*
215	41.6	353.2	81,800	46.8	367.5	70,500*
220	39.8	347.2	78,500	45.2	362.5	67,200*
225	37.9	340.7	75,400	43.5	357.1	64,100*
230	36.0	333.8	72,300	41.8	351.5	61,100*
235	33.9	326.3	69,500	40.0	345.5	58,300*
240	31.7	318.2	66,700	38.1	339.1	55,500*
245	29.4	309.4	64,000	36.2	332.2	52,900*
250	26.9	299.6	61,400	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 Ft. Boom, 270 Ft. Luffing Jib

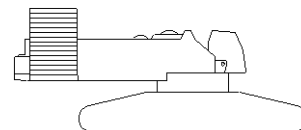
Jib Oper. Rad. Feet	85 Degree Boom Angle			80 Degree Boom Angle		
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds
110	72.6	447.2	191,600*			
115	71.5	445.4	191,100*			
120	70.4	443.6	189,500*			
125	69.2	441.7	186,200*			
130	68.1	439.6	176,800*			
135	66.9	437.5	168,200*			
140	65.8	435.1	159,700			
145	64.6	432.7	151,600			
150	63.4	430.2	144,000	67.1	435.3	127,800
155	62.2	427.5	137,000	65.9	433.0	121,300
160	61.0	424.7	130,400	64.7	430.6	115,300
165	59.7	421.7	124,300	63.5	428.1	109,700
170	58.5	418.6	118,600	62.3	425.4	104,500
175	57.2	415.3	113,200	61.1	422.6	99,600
180	55.9	411.9	108,200	59.9	419.6	94,800*
185	54.6	408.3	103,400	58.6	416.5	90,200*
190	53.3	404.5	98,900	57.4	413.3	85,900*
195	52.0	400.6	94,700	56.1	409.9	81,800*
200	50.6	396.4	90,700	54.8	406.3	77,900*
205	49.2	392.0	86,900	53.5	402.6	74,200*
210	47.7	387.5	83,200	52.1	398.6	70,700*
215	46.2	382.6	79,800	50.7	394.5	67,300*
220	44.7	377.5	76,500	49.3	390.1	64,100*
225	43.2	372.1	73,400	47.9	385.6	61,000*
230	41.6	366.5	70,400	46.4	380.8	58,100*
235	39.9	360.4	67,500	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
360 Degree Rating

Meets
ANSI B30.5
Requirements



**180 Ft. Boom
290 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	157,100
145	66.5	454.9	148,900
150	65.4	452.5	141,400
155	64.3	450.1	134,300
160	63.2	447.5	127,800
165	62.0	444.8	121,700
170	60.9	442.0	116,000
175	59.8	439.0	110,600
180	58.6	435.9	105,600
185	57.4	432.7	100,800
190	56.2	429.3	96,300
195	55.0	425.8	92,100
200	53.8	422.1	88,100
205	52.5	418.2	84,300
210	51.3	414.1	80,700
215	50.0	409.9	77,200
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	328.7	40,800*
290	24.8	308.4	36,500*
300	19.4	282.5	32,300*
310	11.4	243.7	28,200*

**180 Ft. Boom
310 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	478.7	141,700*
145	68.1	476.7	140,900*
150	67.1	474.5	139,000*
155	66.1	472.3	132,100
160	65.0	469.9	125,500
165	64.0	467.4	119,400
170	63.0	464.9	113,700
175	61.9	462.1	108,400
180	60.9	459.3	103,300
185	59.8	456.4	98,600
190	58.7	453.3	94,100
195	57.6	450.1	89,900
200	56.5	446.7	85,700*
205	55.4	443.2	81,700*
210	54.2	439.6	77,800*
215	53.1	435.7	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*

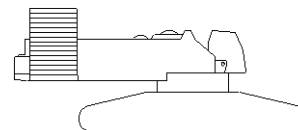


Liftcrane Luffing Jib Capacities

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
 360 Degree Rating

Meets
 ANSI B30.5
 Requirements



200 Ft. Boom, 90 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	196,500	120
125							28.9	247.4	185,500	125
130							20.2	234.7	175,100	130

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

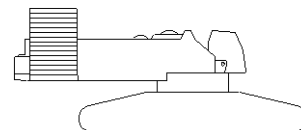
Capacities indicated by (c) require
 37,000 Lb. minimum weight suspended
 beneath luffing jib point.

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
360 Degree Rating

Meets
ANSI B30.5
Requirements



200 Ft. Boom, 110 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	196,000	120
125	19.3	243.2	208,500*	29.1	260.1	202,600*	45.0	282.6	185,400	125
130				22.5	248.5	192,100	41.0	276.8	175,600	130
135				12.5	229.9	181,600	36.6	270.0	166,600	135
140							31.7	261.9	158,200	140
145							25.8	251.7	150,300	145
150							17.9	237.4	142,800	150

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

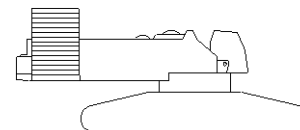


Liftcrane Luffing Jib Capacities

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
 360 Degree Rating

Meets
 ANSI B30.5
 Requirements



200 Ft. Boom, 130 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	183,000	125
130	34.0	280.2	197,800*	39.4	289.7	191,300	50.7	305.7	173,300	130
135	29.6	271.5	188,200	35.6	282.7	181,600	47.6	301.0	164,500	135
140	24.3	260.7	178,800	31.4	274.5	172,500	44.5	295.8	156,300	140
145	17.5	246.0	169,900	26.5	264.6	164,100	41.1	290.0	148,700	145
150				20.5	251.9	156,200	37.4	283.4	141,600	150
155				11.2	231.4	148,400	33.4	275.8	135,000	155
160							28.9	266.8	128,700	160
165							23.5	255.6	122,800	165
170							16.3	240.0	117,100	170

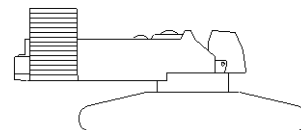
Capacities indicated by (b) require
 21,000 Lb. minimum weight suspended
 beneath luffing jib point.

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
360 Degree Rating

Meets
ANSI B30.5
Requirements



200 Ft. Boom, 150 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	181,100	125
130	44.5	313.1	196,800*	48.3	319.6	190,100*	56.8	331.1	171,600	130
135	41.6	307.4	187,700	45.6	314.6	180,600	54.4	327.4	162,800	135
140	38.5	301.0	178,400	42.7	309.1	171,700	52.0	323.4	154,700	140
145	35.1	293.9	169,900	39.7	303.0	163,400	49.5	319.1	147,200	145
150	31.5	285.7	161,900	36.5	296.2	155,800	46.8	314.3	140,200	150
155	27.4	276.1	154,500	33.0	288.5	148,600	44.1	309.0	133,700	155
160	22.5	264.4	147,500	29.1	279.5	141,900	41.1	303.2	127,600	160
165	16.1	248.5	140,700	24.5	268.7	135,600	38.0	296.8	121,900	165
170				18.9	254.9	129,500	34.6	289.5	116,500	170
175				10.3	232.9	123,500	30.9	281.2	111,500	175
180							26.7	271.3	106,600	180
185							21.7	259.2	102,000	185
190							15.0	242.3	97,500	190

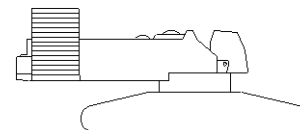
Capacities indicated by **(b)** require
21,000 Lb. minimum weight suspended
beneath luffing jib point.

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
 360 Degree Rating

Meets
 ANSI B30.5
 Requirements



200 Ft. Boom, 170 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	178,100	125
130	51.1	340.8	194,400*	54.2	345.8	187,400*	61.2	354.8	168,600	130
135	48.9	336.4	185,400*	52.0	341.8	178,400	59.2	351.8	159,900	135
140	46.5	331.5	176,600	49.8	337.5	169,500	57.2	348.5	151,800	140
145	44.1	326.3	168,100	47.5	332.9	161,300	55.1	344.9	144,400	145
150	41.5	320.6	160,300	45.1	327.8	153,800	53.0	341.1	137,400	150
155	38.8	314.3	152,900	42.6	322.3	146,700	50.8	336.9	131,000	155
160	36.0	307.4	146,100	39.9	316.3	140,100	48.5	332.4	125,000	160
165	32.9	299.6	139,700	37.1	309.6	133,900	46.2	327.5	119,400	165
170	29.4	290.8	133,600	34.1	302.2	128,100	43.7	322.3	114,100	170
175	25.6	280.5	127,900	30.8	293.8	122,600	41.2	316.5	109,100	175
180	21.0	267.9	122,400	27.2	284.2	117,400	38.4	310.1	104,400	180
185	15.0	250.9	117,200	22.9	272.6	112,400	35.5	303.1	100,000	185
190				17.7	257.8	107,700	32.4	295.2	95,800	190
195				9.5	234.2	102,900	28.9	286.2	91,800	195
200							25.0	275.6	87,900	200
205							20.3	262.5	84,200	205
210							13.9	244.5	80,500	210

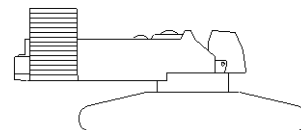
Capacities indicated by **(b)** require
 21,000 Lb. minimum weight suspended
 beneath luffing jib point.

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
360 Degree Rating

Meets
ANSI B30.5
Requirements



200 Ft. Boom, 190 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	175,800	125
130	55.9	366.1	192,500*	58.5	370.3	185,400*	64.5	377.6	166,400	130
135	54.1	362.5	183,600*	56.7	366.9	176,600	62.8	375.0	157,600	135
140	52.1	358.5	175,000	54.8	363.3	167,800	61.1	372.1	149,600	140
145	50.2	354.3	166,600	52.9	359.5	159,600	59.3	369.1	142,200	145
150	48.1	349.7	158,800	50.9	355.3	152,100	57.5	365.9	135,300	150
155	46.0	344.8	151,500	48.9	350.9	145,000	55.7	362.4	128,900	155
160	43.8	339.5	144,700	46.9	346.2	138,500	53.8	358.6	123,000	160
165	41.5	333.8	138,300	44.7	341.0	132,300	51.9	354.6	117,400	165
170	39.1	327.6	132,400	42.4	335.5	126,600	49.9	350.4	112,100	170
175	36.6	320.9	126,800	40.1	329.5	121,200	47.8	345.8	107,200	175
180	33.9	313.4	121,500	37.6	323.0	116,100	45.7	340.8	102,600	180
185	30.9	305.0	116,400	35.0	315.8	111,300	43.5	335.5	98,200	185
190	27.7	295.6	111,700	32.1	307.8	106,700	41.2	329.7	94,100	190
195	24.1	284.6	107,100	29.0	298.9	102,300	38.8	323.4	90,200	195
200	19.8	271.2	102,800	25.6	288.5	98,200	36.2	316.5	86,400	200
205	14.1	253.2	98,500	21.6	276.2	94,200	33.5	309.0	82,900	205
210				16.6	260.5	90,300	30.5	300.5	79,500	210
215				8.9	235.5	86,400	27.2	290.9	76,200	215
220							23.5	279.6	73,100	220
225							19.1	265.7	70,000	225
230							13.1	246.6	67,000	230