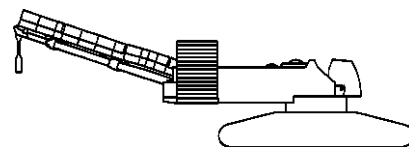


Liftcrane Luffing Jib Capacities

Luffing Jib No. 79A On
Boom No. 55 or No. 55A with 140 Ft. Mast No. 56
492,000 Lb. Crane Counterweight
320,000 Lb. Carbody Counterweight
0 Lb. Hanging Counterweight
at 59 Ft. Position
360 Degree Rating

Meets
ANSI B30.5
Requirements

18000 With
21000 MAX-ER



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.

Exit MAX-ER mode before operating without hanging counterweight.

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 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. A08238**, Wire Rope Specification chart **No. 8592-A or 8592-B**, Counterweight Arrangement chart **No. 8577-A** and Luffing Jib Raising Procedure chart **No. 8556-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 Operator's Manual for operating guidelines.

MACHINE TRAVEL: Machine to travel on a firm, level and uniformly supporting surface and boom and luffing jib within angle range shown in capacity chart. Refer to Swing and Travel Specification chart **No. 8564-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 MAX-ER, 38 Ft. 9 in. crawlers, 60 in. treads, 30 Ft. live mast, 140 Ft. mast, 16 part boom hoist reeving, boom support straps, 24 part luffing jib hoist reeving, luffing jib and backstay support straps, 492,000 Lb. crane counterweight, 320,000 Lb. carbody counterweight and 0 Lb. hanging counterweight.

Boom and/or Jib Catwalks Deduct

Deduct 1,300 Lbs. from capacities when boom and/or jib catwalks are attached.

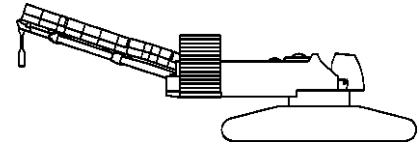
Upper Luffing Jib Point Capacity For Liftcrane Service - Whip Line		
28 mm		32 mm
Drum 2	Drum 3	Drum 2
Single Part Line		
35,800 Lb.	30,000 Lb.	48,800 Lb.
Two Part Line		
Upper Boom Point No. A08516		
71,600 Lb.	60,000 Lb.	97,600 Lb.

Liftcrane Luffing Jib Capacities

Luffing Jib No. 79A On
 Boom No. 55 or No. 55A with 140 Ft. Mast No. 56
 492,000 Lb. Crane Counterweight
 320,000 Lb. Carbody Counterweight
 0 Lb. Hanging Counterweight
 at 59 Ft. Position
 360 Degree Rating

Meets
 ANSI B30.5
 Requirements

18000 With 21000 MAX-ER



160 Ft. Boom, 90 Ft. Luffing Jib

Jib Oper. Rad. Feet	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	
55	72.3	255.3	555,500*b				55
60	68.9	253.2	504,600*b				60
65	65.3	250.8	461,800*b				65
70	61.7	247.9	425,200*				70
75	57.9	244.6	393,600*				75
80	53.9	240.9	366,000*	64.5	248.0	346,900*b	80
85	49.7	236.5	341,700*	60.8	245.0	323,900*	85
90	45.1	231.3	320,000*	57.0	241.6	303,400*	90
95	40.1	225.3	300,600*	52.9	237.7	285,100*	95
100	34.5	217.9	283,000*	48.6	233.2	268,500*	100
105	27.7	208.5	267,000*	44.0	227.9	253,500*	105
110	18.4	194.8	252,100*	38.9	221.5	239,900*	110
115				33.0	213.8	227,300*	115
120				25.9	203.7	215,600*	120
125				15.3	187.9	203,900*	125

160 Ft. Boom, 130 Ft. Luffing Jib

Jib Oper. Rad. Feet	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	
70	71.0	292.3	421,300*b				70
75	68.6	290.3	389,900*				75
80	66.2	288.0	362,500*				80
85	63.7	285.4	338,400*				85
90	61.2	282.5	317,000*				90
95	58.5	279.4	297,900*	65.6	285.2	280,600*	95
100	55.9	275.9	280,700*	63.1	282.6	264,400*	100
105	53.1	272.0	265,200*	60.6	279.6	249,700*	105
110	50.2	267.8	251,100*	57.9	276.4	236,300*	110
115	47.2	263.0	238,200*	55.2	272.8	224,200*	115
120	43.9	257.7	226,300*	52.4	268.9	213,000*	120
125	40.5	251.8	215,400*	49.5	264.5	202,700*	125
130	36.8	245.1	205,300*	46.4	259.7	192,600*	130
135	32.8	237.3	195,600*	43.2	254.2	182,900*	135
140	28.1	228.0	186,000*	39.7	248.1	173,900*	140
145	22.5	216.3	177,000*	35.9	241.2	165,600*	145
150	14.8	199.4	168,300*	31.7	233.1	157,800*	150
155				26.9	223.4	150,500*	155
160				21.0	210.9	143,600*	160
165				12.2	191.5	136,800*	165

160 Ft. Boom, 110 Ft. Luffing Jib

Jib Oper. Rad. Feet	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	
60	72.9	274.7	503,200*b				60
65	70.1	272.8	460,500*b				65
70	67.3	270.6	424,100*b				70
75	64.4	268.1	392,600*				75
80	61.4	265.2	365,100*				80
85	58.3	262.0	340,900*	66.6	267.9	322,200*	85
90	55.1	258.4	319,500*	63.7	265.3	301,900*	90
95	51.7	254.3	300,200*	60.7	262.3	283,700*	95
100	48.2	249.7	283,000*	57.5	259.0	267,400*	100
105	44.4	244.5	267,300*	54.3	255.3	252,600*	105
110	40.4	238.6	253,000*	50.9	251.1	239,100*	110
115	35.9	231.6	240,000*	47.3	246.4	226,800*	115
120	30.8	223.2	227,900*	43.5	241.0	215,500*	120
125	24.7	212.6	216,700*	39.4	234.9	205,100*	125
130	16.3	197.2	206,000*	34.8	227.6	194,400*	130
135				29.5	218.8	184,400*	135
140				23.1	207.5	175,100*	140
145				13.5	189.8	166,200*	145

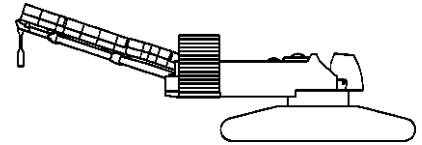
Capacities indicated by (b) require
 21,000 Lb. minimum weight suspended
 beneath luffing jib point.

Liftcrane Luffing Jib Capacities

Luffing Jib No. 79A On
Boom No. 55 or No. 55A with 140 Ft. Mast No. 56
492,000 Lb. Crane Counterweight
320,000 Lb. Carbody Counterweight
0 Lb. Hanging Counterweight
at 59 Ft. Position
360 Degree Rating

Meets
ANSI B30.5
Requirements

**18000 With
21000 MAX-ER**



160 Ft. Boom, 150 Ft. Luffing Jib

Jib Oper. Rad. Feet	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	
75	71.6	311.8	388,000*				75
80	69.5	309.8	360,600*				80
85	67.5	307.7	336,600*				85
90	65.4	305.3	315,200*				90
95	63.2	302.7	296,200*				95
100	61.0	299.8	279,000*	67.0	305.0	262,200*	100
105	58.7	296.7	263,600*	64.9	302.5	247,600*	105
110	56.4	293.3	249,500*	62.7	299.9	234,300*	110
115	54.1	289.6	236,700*	60.5	297.0	222,200*	115
120	51.6	285.6	224,900*	58.2	293.8	211,000*	120
125	49.1	281.1	214,100*	55.9	290.3	200,800*	125
130	46.4	276.3	204,100*	53.5	286.5	191,100	130
135	43.6	271.0	194,800*	51.0	282.4	181,400	135
140	40.7	265.0	185,400	48.5	277.9	172,600	140
145	37.5	258.5	176,600	45.8	272.9	164,300	145
150	34.1	251.1	168,400	42.9	267.5	156,700	150
155	30.3	242.5	160,800	39.9	261.4	149,600	155
160	26.0	232.4	153,600	36.7	254.7	142,900	160
165	20.8	219.7	146,800	33.2	247.0	136,700	165
170	13.6	201.5	140,200	29.4	238.1	130,800	170
175				24.9	227.6	125,200	175
180				19.4	214.1	119,800	180
185				11.2	193.1	114,400	185

160 Ft. Boom, 170 Ft. Luffing Jib

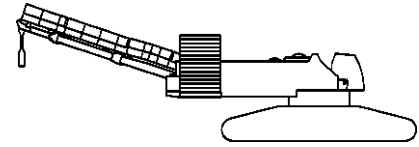
Jib Oper. Rad. Feet	85 Degree Boom Angle			80 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
80	72.1	331.2	357,700*				80
85	70.3	329.4	333,600*				85
90	68.4	327.3	312,300*				90
95	66.6	325.1	293,300*				95
100	64.7	322.7	276,300*				100
105	62.8	320.0	260,800*				105
110	60.9	317.1	246,800*	66.2	322.4	231,000*	110
115	58.9	314.1	234,000*	64.3	319.9	219,000*	115
120	56.9	310.7	222,300*	62.4	317.2	207,900*	120
125	54.8	307.1	211,500*	60.4	314.3	197,700*	125
130	52.7	303.2	201,600*	58.4	311.1	188,400*	130
135	50.5	299.0	192,400*	56.4	307.7	178,800	135
140	48.2	294.5	183,400	54.3	304.1	170,000	140
145	45.8	289.5	174,700	52.2	300.1	161,800	145
150	43.3	284.2	166,600	49.9	295.8	154,200	150
155	40.7	278.3	159,000	47.6	291.2	147,200	155
160	38.0	271.8	152,000	45.3	286.1	140,600	160
165	35.0	264.7	145,400	42.8	280.7	134,400	165
170	31.9	256.6	139,200	40.1	274.7	128,700	170
175	28.3	247.4	133,300	37.3	268.1	123,200	175
180	24.3	236.5	127,800	34.3	260.7	118,100	180
185	19.4	222.9	122,400	31.1	252.4	113,200	185
190	12.6	203.5	117,200	27.4	242.9	108,500	190
195				23.3	231.5	104,100	195
200				18.1	217.0	99,800	200
205				10.4	194.6	95,500	205

Liftcrane Luffing Jib Capacities

Luffing Jib No. 79A On
 Boom No. 55 or No. 55A with 140 Ft. Mast No. 56
 492,000 Lb. Crane Counterweight
 320,000 Lb. Carbody Counterweight
 0 Lb. Hanging Counterweight
 at 59 Ft. Position
 360 Degree Rating

Meets
 ANSI B30.5
 Requirements

18000 With 21000 MAX-ER



160 Ft. Boom, 190 Ft. Luffing Jib

Jib Oper. Rad. Feet	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	
85	72.4	350.7	331,400*				85
90	70.8	348.9	310,200*				90
95	69.2	346.9	291,200*				95
100	67.6	344.8	274,100*				100
105	65.9	342.5	258,700*				105
110	64.2	340.0	244,700*				110
115	62.5	337.3	231,900*	67.2	342.1	216,600*	115
120	60.8	334.5	220,300*	65.5	339.7	205,500*	120
125	59.0	331.4	209,500*	63.8	337.2	195,400*	125
130	57.2	328.1	199,600*	62.1	334.5	186,100*	130
135	55.4	324.6	190,400*	60.4	331.6	176,700	135
140	53.5	320.8	181,700	58.6	328.5	167,900	140
145	51.5	316.8	173,000	56.8	325.1	159,800	145
150	49.5	312.4	165,000	54.9	321.5	152,300	150
155	47.5	307.8	157,500	53.0	317.7	145,300	155
160	45.4	302.8	150,500	51.1	313.6	138,700	160
165	43.1	297.4	143,900	49.1	309.2	132,600	165
170	40.8	291.5	137,800	47.0	304.5	126,900	170
175	38.4	285.2	132,000	44.9	299.4	121,500	175
180	35.8	278.2	126,600	42.6	293.9	116,400	180
185	33.0	270.5	121,400	40.3	287.9	111,600	185
190	30.0	261.8	116,600	37.8	281.4	107,100	190
195	26.7	252.0	111,900	35.2	274.3	102,800	195
200	22.9	240.4	107,500	32.3	266.4	98,700	200
205	18.3	226.0	103,200	29.3	257.5	94,700	205
210	11.9	205.3	98,900	25.8	247.3	91,000	210
215				21.9	235.2	87,400	215
220				17.0	219.8	83,900	220
225				9.7	196.1	80,300	225

160 Ft. Boom, 210 Ft. Luffing Jib

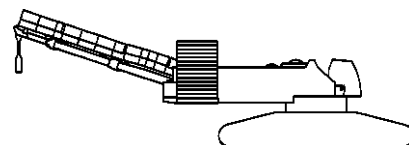
Jib Oper. Rad. Feet	85 Degree Boom Angle			80 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
90	72.7	370.1	307,100*				90
95	71.3	368.3	288,200*				95
100	69.8	366.4	271,100*				100
105	68.4	364.4	255,800*				105
110	66.9	362.2	241,800*				110
115	65.4	359.9	229,100*				115
120	63.8	357.3	217,400*				120
125	62.3	354.6	206,700*	66.5	359.5	192,100*	125
130	60.7	351.8	196,800*	65.0	357.1	182,800*	130
135	59.1	348.7	187,600*	63.5	354.5	173,800	135
140	57.5	345.5	179,100*	61.9	351.8	165,100	140
145	55.8	342.0	170,600	60.3	348.9	157,000	145
150	54.1	338.4	162,600	58.7	345.8	149,500	150
155	52.4	334.4	155,100	57.1	342.5	142,500	155
160	50.6	330.3	148,100	55.4	339.0	136,000	160
165	48.8	325.8	141,600	53.7	335.3	129,900	165
170	46.9	321.1	135,500	52.0	331.3	124,200	170
175	45.0	316.0	129,800	50.2	327.1	118,800	175
180	43.0	310.6	124,400	48.4	322.6	113,800	180
185	40.9	304.8	119,300	46.5	317.8	109,000	185
190	38.7	298.5	114,500	44.5	312.6	104,500	190
195	36.4	291.6	109,900	42.5	307.1	100,300	195
200	33.9	284.2	105,600	40.4	301.2	96,200	200
205	31.3	276.0	101,500	38.2	294.8	92,400	205
210	28.4	266.8	97,500	35.8	287.8	88,700	210
215	25.3	256.3	93,700	33.3	280.2	85,300	215
220	21.7	244.1	90,100	30.7	271.8	81,800*	220
225	17.3	228.8	86,600	27.7	262.3	78,300*	225
230	11.2	207.1	83,000	24.5	251.5	74,900*	230
235				20.7	238.7	71,700*	235
240				16.1	222.4	68,400*	240
245				9.2	197.4	65,100*	245

Liftcrane Luffing Jib Capacities

Luffing Jib No. 79A On
 Boom No. 55 or No. 55A with 140 Ft. Mast No. 56
 492,000 Lb. Crane Counterweight
 320,000 Lb. Carbody Counterweight
 0 Lb. Hanging Counterweight
 at 59 Ft. Position
 360 Degree Rating

Meets
 ANSI B30.5
 Requirements

18000 With 21000 MAX-ER



160 Ft. Boom, 230 Ft. Luffing Jib

Jib Oper. Rad. Feet	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	
95	73.0	389.5	279,700*				95
100	71.7	387.8	268,800*				100
105	70.3	386.0	253,500*				105
110	69.0	384.0	239,500*				110
115	67.6	381.9	226,800*				115
120	66.3	379.6	215,100*				120
125	64.9	377.2	204,400*				125
130	63.5	374.7	194,600*	67.3	379.2	180,300*	130
135	62.1	372.0	185,400*	66.0	376.9	171,600	135
140	60.6	369.1	176,900*	64.6	374.5	162,800	140
145	59.2	366.1	168,600	63.2	371.9	154,700	145
150	57.7	362.8	160,600	61.8	369.1	147,200	150
155	56.2	359.4	153,100	60.3	366.2	140,300	155
160	54.7	355.8	146,200	58.9	363.1	133,800	160
165	53.1	352.0	139,700	57.4	359.9	127,700	165
170	51.5	348.0	133,600	55.9	356.4	122,000	170
175	49.9	343.7	127,900	54.3	352.8	116,700	175
180	48.2	339.2	122,500	52.7	348.9	111,700	180
185	46.5	334.4	117,500	51.1	344.9	106,900	185
190	44.7	329.3	112,700	49.5	340.5	102,500	190
195	42.8	323.8	108,100	47.8	335.9	98,200	195
200	40.9	318.0	103,800	46.1	331.0	94,200	200
205	38.9	311.8	99,800	44.3	325.9	90,300*	205
210	36.8	305.1	95,900	42.4	320.3	86,400*	210
215	34.7	297.8	92,200	40.5	314.4	82,700*	215
220	32.3	289.9	88,600	38.5	308.1	79,200*	220
225	29.8	281.2	85,200	36.4	301.3	75,800*	225
230	27.1	271.5	82,000	34.1	293.9	72,500*	230
235	24.1	260.5	78,900	31.8	285.8	69,400*	235
240	20.6	247.6	75,800	29.2	276.9	66,400*	240
245	16.5	231.6	72,900	26.4	266.9	63,400*	245
250	10.6	208.7	69,800*	23.3	255.5	60,600*	250
255				19.8	242.0	57,800*	255
260				15.3	224.9	55,000*	260

160 Ft. Boom, 250 Ft. Luffing Jib

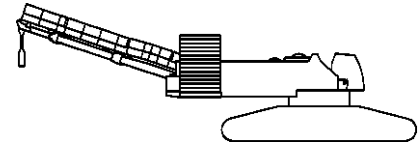
Jib Oper. Rad. Feet	85 Degree Boom Angle			80 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
105	72.0	407.2	240,500*				105
110	70.8	405.4	236,500*				110
115	69.5	403.5	223,800*				115
120	68.3	401.5	212,200*				120
125	67.0	399.3	201,500*				125
130	65.8	397.0	191,600*				130
135	64.5	394.6	182,500*				135
140	63.2	392.0	174,100*	66.8	396.6	159,800	140
145	61.9	389.3	166,100	65.5	394.3	151,800	145
150	60.6	386.4	158,100	64.2	391.8	144,300	150
155	59.3	383.4	150,600	62.9	389.2	137,400	155
160	57.9	380.2	143,700	61.6	386.5	130,900	160
165	56.5	376.8	137,200	60.3	383.5	124,800	165
170	55.1	373.3	131,100	58.9	380.5	119,200	170
175	53.7	369.6	125,400	57.6	377.3	113,800	175
180	52.2	365.6	120,100	56.2	373.9	108,700*	180
185	50.7	361.5	115,000	54.8	370.3	103,800*	185
190	49.2	357.1	110,200	53.4	366.5	99,100*	190
195	47.7	352.5	105,700	51.9	362.5	94,700*	195
200	46.1	347.7	101,400	50.4	358.3	90,400*	200
205	44.4	342.5	97,400	48.9	353.9	86,400*	205
210	42.7	337.0	93,500	47.3	349.2	82,600*	210
215	41.0	331.2	89,800	45.7	344.3	78,900*	215
220	39.1	325.1	86,300	44.0	339.1	75,400*	220
225	37.2	318.5	83,000	42.3	333.6	72,100*	225
230	35.3	311.3	79,800	40.5	327.7	68,900*	230
235	33.2	303.7	76,700*	38.7	321.4	65,800*	235
240	30.9	295.3	73,500*	36.8	314.7	62,900*	240
245	28.5	286.2	70,400*	34.8	307.4	60,000*	245
250	25.9	276.0	67,300*	32.7	299.6	57,300*	250
255	23.0	264.4	64,400*	30.4	291.1	54,600*	255
260	19.7	250.9	61,600*	28.0	281.7	52,000*	260
270	10.1	210.3	55,900*	22.3	259.3	47,100*	270
280				14.6	227.4	42,300*	280

Liftcrane Luffing Jib Capacities

Luffing Jib No. 79A On
 Boom No. 55 or No. 55A with 140 Ft. Mast No. 56
 492,000 Lb. Crane Counterweight
 320,000 Lb. Carbody Counterweight
 0 Lb. Hanging Counterweight
 at 59 Ft. Position
 360 Degree Rating

Meets
 ANSI B30.5
 Requirements

18000 With 21000 MAX-ER



160 Ft. Boom, 270 Ft. Luffing Jib

Jib Oper. Rad. Feet	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	
110	72.2	426.6	207,600*				110
115	71.1	424.9	207,100*				115
120	70.0	423.0	206,500*				120
125	68.8	421.0	199,100*				125
130	67.7	419.0	189,300*				130
135	66.5	416.7	180,200*				135
140	65.4	414.4	171,700*				140
145	64.2	411.9	163,800*	67.4	416.3	149,400	145
150	63.0	409.3	155,900	66.3	414.0	141,900	150
155	61.8	406.6	148,500	65.1	411.6	135,000*	155
160	60.6	403.7	141,500	63.9	409.2	128,300*	160
165	59.3	400.7	135,100	62.7	406.5	122,100*	165
170	58.1	397.5	129,000	61.5	403.8	116,200*	170
175	56.8	394.2	123,300	60.3	400.9	110,700*	175
180	55.5	390.7	117,900	59.0	397.8	105,500*	180
185	54.2	387.1	112,900	57.8	394.6	100,600*	185
190	52.8	383.2	108,100	56.5	391.3	95,900*	190
195	51.5	379.2	103,600	55.2	387.7	91,500*	195
200	50.1	375.0	99,400	53.9	384.0	87,300*	200
205	48.7	370.5	95,300	52.5	380.1	83,300*	205
210	47.2	365.9	91,500	51.2	376.1	79,500*	210
215	45.7	360.9	87,800	49.8	371.8	75,900*	215
220	44.2	355.7	84,300	48.3	367.3	72,400*	220
225	42.6	350.3	80,800*	46.9	362.6	69,100*	225
230	41.0	344.5	77,300*	45.4	357.6	65,900*	230
235	39.3	338.3	74,000*	43.8	352.3	62,800*	235
240	37.6	331.8	70,800*	42.3	346.8	59,900*	240
245	35.8	324.8	67,800*	40.6	340.9	57,100*	245
250	33.8	317.4	64,800*	38.9	334.7	54,400*	250
255	31.8	309.3	62,000*	37.2	328.0	51,800*	255
260	29.7	300.5	59,200*	35.3	321.0	49,300*	260
270	24.9	280.3	54,000*	31.3	305.1	44,500*	270
280	18.9	254.1	49,000*	26.8	286.4	40,000*	280
290	9.7	211.8	44,000*	21.4	263.0	35,700*	290
300				14.0	229.7	31,500*	300

160 Ft. Boom, 290 Ft. Luffing Jib

Jib Oper. Rad. Feet	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	
115	72.5	446.1	177,200*				115
120	71.4	444.4	176,700*				120
125	70.4	442.5	176,100*				125
130	69.3	440.6	175,400*				130
135	68.2	438.5	174,700*				135
140	67.2	436.4	168,800*				140
145	66.1	434.1	160,900*				145
150	65.0	431.8	153,300				150
155	63.9	429.3	145,900	66.9	433.7	130,700*	155
160	62.8	426.7	138,900	65.8	431.4	124,100*	160
165	61.7	423.9	132,500	64.7	429.0	117,900*	165
170	60.5	421.0	126,400	63.6	426.5	112,100*	170
175	59.4	418.0	120,700	62.5	423.9	106,600*	175
180	58.2	414.9	115,400	61.4	421.1	101,400*	180
185	57.0	411.6	110,300	60.2	418.2	96,500*	185
190	55.8	408.2	105,600	59.1	415.1	91,900*	190
195	54.6	404.6	101,100	57.9	412.0	87,500*	195
200	53.4	400.8	96,800	56.7	408.6	83,300*	200
205	52.1	396.9	92,600*	55.5	405.2	79,300*	205
210	50.8	392.7	88,500*	54.3	401.5	75,500*	210
215	49.5	388.4	84,600*	53.1	397.7	71,900*	215
220	48.2	383.9	80,800*	51.8	393.7	68,500*	220
225	46.8	379.2	77,200*	50.5	389.6	65,200*	225
230	45.4	374.2	73,800*	49.2	385.2	62,000*	230
235	44.0	369.0	70,500*	47.9	380.7	59,000*	235
240	42.5	363.5	67,300*	46.5	375.9	56,100*	240
245	41.0	357.7	64,300*	45.1	370.8	53,300*	245
250	39.5	351.6	61,400*	43.7	365.6	50,600*	250
255	37.9	345.1	58,600*	42.2	360.0	48,100*	255
260	36.2	338.3	55,900*	40.7	354.1	45,600*	260
270	32.6	323.1	50,700*	37.5	341.4	40,900*	270
280	28.6	305.5	45,900*	34.0	327.0	36,500*	280
290	24.0	284.4	41,400*	30.2	310.5	32,400*	290
300	18.2	257.2	37,000*	25.8	290.9	28,500*	300
310	9.3	213.3	32,700*	20.6	266.5	24,700*	310
320				13.5	231.9	21,000*	320

Liftcrane Luffing Jib Capacities

Luffing Jib No. 79A On

Boom No. 55 or No. 55A with 140 Ft. Mast No. 56

492,000 Lb. Crane Counterweight

320,000 Lb. Carbody Counterweight

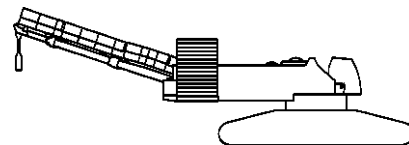
0 Lb. Hanging Counterweight

at 59 Ft. Position

360 Degree Rating

Meets
ANSI B30.5
Requirements

**18000 With
21000 MAX-ER**



160 Ft. Boom

310 Ft. Luffing Jib

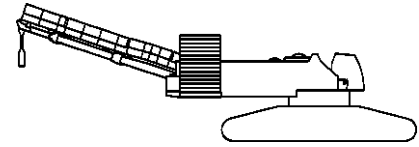
Jib Oper. Rad. Feet	85 Degree Boom Angle		
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds
120	72.7	465.5	153,200*
125	71.7	463.8	152,600*
130	70.7	462.0	152,000*
135	69.7	460.1	151,300*
140	68.7	458.1	150,600*
145	67.7	456.0	148,100*
150	66.7	453.9	143,500*
155	65.7	451.5	138,900*
160	64.7	449.1	134,300*
165	63.6	446.6	129,600*
170	62.6	444.0	124,200
175	61.5	441.2	118,500
180	60.5	438.4	113,100
185	59.4	435.4	108,100
190	58.3	432.2	103,200*
195	57.2	429.0	98,400*
200	56.1	425.6	93,900*
205	55.0	422.0	89,500*
210	53.8	418.3	85,400*
215	52.6	414.5	81,500*
220	51.5	410.4	77,800*
225	50.2	406.2	74,200*
230	49.0	401.9	70,800*
235	47.8	397.3	67,500*
240	46.5	392.5	64,400*
245	45.2	387.5	61,300*
250	43.8	382.2	58,400*
255	42.5	376.7	55,700*
260	41.1	371.0	53,000*
270	38.1	358.5	47,900*
280	34.9	344.5	43,100*
290	31.5	328.7	38,300*
300	27.6	310.4	33,300*
310	23.1	288.4	28,600*
320	17.6	260.2	24,200*
330	9.0	214.7	20,300*

Liftcrane Luffing Jib Capacities

Luffing Jib No. 79A On
 Boom No. 55 or No. 55A with 140 Ft. Mast No. 56
 492,000 Lb. Crane Counterweight
 320,000 Lb. Carbody Counterweight
 0 Lb. Hanging Counterweight
 at 59 Ft. Position
 360 Degree Rating

Meets
 ANSI B30.5
 Requirements

18000 With 21000 MAX-ER



180 Ft. Boom, 90 Ft. Luffing Jib

Jib Oper. Rad. Feet	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	
60	70.1	273.9	500,500*b				60
65	66.6	271.6	458,000*b				65
70	63.0	268.9	421,800*b				70
75	59.2	265.8	390,400*				75
80	55.3	262.2	363,000*	67.0	269.5	340,900*b	80
85	51.2	258.0	338,900*	63.4	266.8	318,300*b	85
90	46.7	253.1	317,400*	59.7	263.7	298,100*	90
95	41.9	247.4	298,100*	55.8	260.2	280,100*	95
100	36.5	240.6	280,700*	51.6	256.1	263,900*	100
105	30.2	232.1	264,900*	47.3	251.3	249,200*	105
110	22.1	220.3	250,200*	42.5	245.7	235,700*	110
115				37.2	239.1	223,400*	115
120				31.0	230.7	212,000*	120
125				23.2	219.5	201,300*	125
130				9.2	198.1	189,600	130

180 Ft. Boom, 130 Ft. Luffing Jib

Jib Oper. Rad. Feet	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	
70	71.8	312.9	417,600*b				70
75	69.4	310.9	386,500*				75
80	67.0	308.7	359,300*				80
85	64.6	306.2	335,400*				85
90	62.0	303.5	314,200*				90
95	59.5	300.4	295,200*	67.3	306.6	275,300*	95
100	56.8	297.1	278,200*	64.8	304.1	259,300*	100
105	54.1	293.3	262,800*	62.3	301.4	244,900*	105
110	51.2	289.2	248,800*	59.8	298.4	231,800*	110
115	48.2	284.6	236,000*	57.1	295.1	219,800*	115
120	45.1	279.6	224,200*	54.4	291.4	208,800*	120
125	41.8	273.9	213,400*	51.5	287.3	198,700*	125
130	38.2	267.4	203,400*	48.6	282.8	189,200	130
135	34.2	260.0	194,100*	45.5	277.8	179,600	135
140	29.8	251.4	184,800	42.1	272.2	170,800	140
145	24.6	240.7	175,900	38.6	265.8	162,600	145
150	17.9	226.3	167,400	34.7	258.5	155,000	150
155				30.3	250.0	147,800	155
160				25.3	239.6	141,100	160
165				18.8	225.8	134,600	165
170				7.0	199.5	128,000	170

180 Ft. Boom, 110 Ft. Luffing Jib

Jib Oper. Rad. Feet	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	
65	71.1	293.4	456,600*b				65
70	68.3	291.3	420,500*b				70
75	65.4	288.9	389,300*				75
80	62.4	286.2	362,000*				80
85	59.4	283.1	338,000*				85
90	56.2	279.6	316,700*	65.7	286.8	296,400*	90
95	52.9	275.7	297,700*	62.8	284.1	278,600*	95
100	49.4	271.3	280,500*	59.7	281.1	262,500*	100
105	45.8	266.4	265,000*	56.6	277.6	248,000*	105
110	41.8	260.7	250,800*	53.3	273.8	234,700*	110
115	37.5	254.1	237,900*	49.8	269.5	222,600*	115
120	32.7	246.2	226,000*	46.2	264.5	211,500*	120
125	27.0	236.6	214,900*	42.3	258.9	201,300*	125
130	19.7	223.4	204,500*	38.0	252.5	191,200	130
135				33.3	244.8	181,500	135
140				27.7	235.4	172,400	140
145				20.7	222.8	163,800	145
150				7.9	198.8	155,200	150

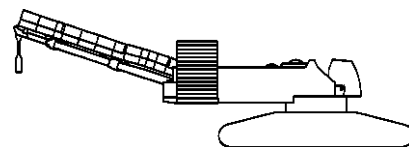
Capacities indicated by (b) require
 21,000 Lb. minimum weight suspended
 beneath luffing jib point.

Liftcrane Luffing Jib Capacities

Luffing Jib No. 79A On
Boom No. 55 or No. 55A with 140 Ft. Mast No. 56
492,000 Lb. Crane Counterweight
320,000 Lb. Carbody Counterweight
0 Lb. Hanging Counterweight
at 59 Ft. Position
360 Degree Rating

Meets
ANSI B30.5
Requirements

18000 With 21000 MAX-ER



180 Ft. Boom, 150 Ft. Luffing Jib

Jib Oper. Rad. Feet	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	
75	72.3	332.3	384,400*				75
80	70.3	330.5	357,300*				80
85	68.2	328.4	333,500*				85
90	66.1	326.1	312,300*				90
95	64.0	323.6	293,400*				95
100	61.8	320.8	276,400*				100
105	59.5	317.8	261,100*	66.3	324.0	242,700*	105
110	57.3	314.5	247,100*	64.2	321.5	229,600*	110
115	54.9	310.9	234,400*	62.0	318.7	217,700*	115
120	52.5	306.9	222,800*	59.8	315.7	206,800*	120
125	50.0	302.6	212,000*	57.5	312.4	196,800*	125
130	47.3	298.0	202,100*	55.2	308.9	187,500*	130
135	44.6	292.8	192,900*	52.8	305.0	178,000	135
140	41.7	287.1	184,100	50.2	300.7	169,300	140
145	38.6	280.8	175,400	47.6	296.1	161,200	145
150	35.3	273.7	167,300	44.9	291.0	153,700	150
155	31.7	265.6	159,700	42.0	285.4	146,700	155
160	27.6	256.1	152,600	39.0	279.1	140,200	160
165	22.7	244.5	145,800	35.7	272.1	134,000	165
170	16.5	228.9	139,400	32.1	264.1	128,200	170
175				28.1	254.8	122,800	175
180				23.4	243.5	117,500	180
185				17.3	228.6	112,500	185
190				6.3	200.2	107,200	190

180 Ft. Boom, 170 Ft. Luffing Jib

Jib Oper. Rad. Feet	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	
80	72.7	351.8	354,300*				80
85	70.9	350.0	330,500*				85
90	69.1	348.0	309,400*				90
95	67.2	345.8	290,500*				95
100	65.4	343.5	273,600*				100
105	63.5	340.9	258,300*				105
110	61.6	338.1	244,400*	67.5	343.7	226,200*	110
115	59.6	335.1	231,700*	65.6	341.3	214,400*	115
120	57.6	331.8	220,100*	63.7	338.8	203,500*	120
125	55.5	328.3	209,400*	61.8	336.0	193,500*	125
130	53.4	324.5	199,500*	59.8	333.0	184,300*	130
135	51.2	320.5	190,400*	57.8	329.8	175,300	135
140	49.0	316.0	181,900*	55.8	326.3	166,600	140
145	46.7	311.2	173,300	53.7	322.6	158,600	145
150	44.2	306.0	165,300	51.5	318.5	151,100	150
155	41.7	300.3	157,800	49.2	314.1	144,200	155
160	39.0	294.1	150,800	46.9	309.4	137,700	160
165	36.1	287.2	144,300	44.5	304.2	131,700	165
170	33.0	279.5	138,100	42.0	298.6	126,000	170
175	29.6	270.7	132,300	39.3	292.4	120,600	175
180	25.8	260.5	126,800	36.4	285.6	115,600	180
185	21.2	248.0	121,500	33.4	278.0	110,800	185
190	15.4	231.3	116,400	30.0	269.4	106,200	190
195				26.2	259.3	101,900	195
200				21.8	247.2	97,700	200
205				16.2	231.2	93,700	205
210				5.8	200.8	89,400	210

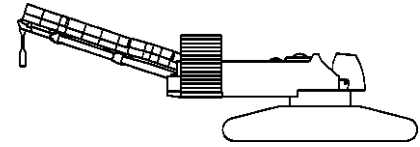


Liftcrane Luffing Jib Capacities

Luffing Jib No. 79A On
 Boom No. 55 or No. 55A with 140 Ft. Mast No. 56
 492,000 Lb. Crane Counterweight
 320,000 Lb. Carbody Counterweight
 0 Lb. Hanging Counterweight
 at 59 Ft. Position
 360 Degree Rating

Meets
 ANSI B30.5
 Requirements

18000 With 21000 MAX-ER



180 Ft. Boom, 190 Ft. Luffing Jib

Jib Oper. Rad. Feet	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	
85	73.0	371.2	328,200*				85
90	71.4	369.4	307,100*				90
95	69.8	367.5	288,300*				95
100	68.1	365.5	271,400*				100
105	66.5	363.2	256,100*				105
110	64.8	360.8	242,200*				110
115	63.1	358.2	229,600*				115
120	61.4	355.4	218,000*	66.7	361.1	201,100*	120
125	59.6	352.4	207,300*	65.0	358.7	191,100*	125
130	57.8	349.2	197,500*	63.3	356.1	182,000*	130
135	56.0	345.8	188,400*	61.6	353.3	173,100	135
140	54.1	342.1	180,000*	59.8	350.4	164,500	140
145	52.2	338.1	171,700	58.1	347.2	156,500	145
150	50.3	333.9	163,700	56.2	343.8	149,100	150
155	48.2	329.4	156,200	54.4	340.1	142,200	155
160	46.1	324.5	149,300	52.4	336.2	135,700	160
165	43.9	319.2	142,800	50.5	332.0	129,700	165
170	41.6	313.5	136,700	48.5	327.5	124,100	170
175	39.2	307.4	131,000	46.4	322.7	118,800	175
180	36.7	300.6	125,600	44.2	317.5	113,800	180
185	34.0	293.2	120,400	41.9	311.8	109,100	185
190	31.1	284.9	115,600	39.5	305.7	104,600	190
195	27.9	275.5	111,000	37.0	299.0	100,400	195
200	24.3	264.6	106,600	34.3	291.7	96,400	200
205	20.0	251.4	102,400	31.4	283.5	92,600	205
210	14.4	233.6	98,200	28.3	274.2	88,900	210
215				24.7	263.5	85,400	215
220				20.5	250.6	82,000	220
225				15.2	233.6	78,600	225
230				5.4	201.4	75,000	230

180 Ft. Boom, 210 Ft. Luffing Jib

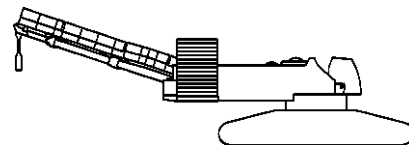
Jib Oper. Rad. Feet	85 Degree Boom Angle			80 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
95	71.8	388.9	285,200*				95
100	70.3	387.0	268,300*				100
105	68.9	385.0	253,100*				105
110	67.4	382.9	239,300*				110
115	65.9	380.6	226,600*				115
120	64.4	378.2	215,100*				120
125	62.8	375.5	204,500*	67.6	380.8	187,700*	125
130	61.3	372.7	194,700*	66.1	378.5	178,600*	130
135	59.7	369.7	185,600*	64.5	376.0	170,100	135
140	58.1	366.6	177,200*	63.0	373.4	161,500	140
145	56.4	363.2	169,200	61.4	370.6	153,500	145
150	54.7	359.6	161,200	59.9	367.7	146,200	150
155	53.0	355.7	153,800	58.2	364.5	139,300	155
160	51.3	351.7	146,900	56.6	361.2	132,900	160
165	49.4	347.3	140,400	54.9	357.6	126,900	165
170	47.6	342.7	134,400	53.2	353.8	121,300	170
175	45.7	337.8	128,700	51.5	349.7	116,000	175
180	43.7	332.5	123,300	49.7	345.4	111,100	180
185	41.6	326.8	118,300	47.8	340.8	106,400	185
190	39.5	320.7	113,500	45.9	335.9	102,000	190
195	37.2	314.0	108,900	43.9	330.7	97,800	195
200	34.8	306.8	104,600	41.9	325.0	93,900	200
205	32.2	298.9	100,500	39.7	319.0	90,100	205
210	29.5	290.0	96,600	37.5	312.4	86,500	210
215	26.4	280.1	92,900	35.1	305.2	83,100	215
220	23.0	268.5	89,300	32.5	297.4	79,600*	220
225	18.9	254.5	85,800	29.8	288.7	76,200*	225
230	13.7	235.8	82,400	26.8	278.9	73,000*	230
235				23.4	267.5	69,800*	235
240				19.4	253.9	66,600*	240
245				14.4	236.0	63,500*	245
250				5.0	202.0	60,100*	250

Liftcrane Luffing Jib Capacities

Luffing Jib No. 79A On
Boom No. 55 or No. 55A with 140 Ft. Mast No. 56
492,000 Lb. Crane Counterweight
320,000 Lb. Carbody Counterweight
0 Lb. Hanging Counterweight
at 59 Ft. Position
360 Degree Rating

Meets
ANSI B30.5
Requirements

18000 With 21000 MAX-ER



180 Ft. Boom, 230 Ft. Luffing Jib

Jib Oper. Rad. Feet	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	
100	72.1	408.3	254,400*				100
105	70.8	406.5	250,400*				105
110	69.5	404.6	236,900*				110
115	68.1	402.5	224,300*				115
120	66.8	400.3	212,800*				120
125	65.4	398.0	202,200*				125
130	64.0	395.5	192,400*				130
135	62.6	392.9	183,300*	66.9	398.2	167,600*	135
140	61.2	390.0	174,900*	65.5	395.9	159,200	140
145	59.7	387.1	167,100*	64.1	393.4	151,200	145
150	58.2	383.9	159,200	62.7	390.7	143,800	150
155	56.7	380.6	151,800	61.3	388.0	137,000	155
160	55.2	377.0	144,900	59.9	385.0	130,600	160
165	53.7	373.3	138,500	58.4	381.9	124,700	165
170	52.1	369.4	132,400	56.9	378.6	119,100	170
175	50.4	365.2	126,700	55.4	375.0	113,800	175
180	48.8	360.7	121,400	53.8	371.3	108,900	180
185	47.1	356.0	116,400	52.2	367.4	104,300	185
190	45.3	351.0	111,600	50.6	363.2	99,900	190
195	43.5	345.7	107,100	49.0	358.8	95,700	195
200	41.6	340.0	102,800	47.3	354.2	91,800	200
205	39.6	333.9	98,800	45.5	349.2	87,800*	205
210	37.6	327.4	94,900	43.7	343.9	84,000*	210
215	35.4	320.3	91,300	41.8	338.3	80,400*	215
220	33.2	312.7	87,800	39.9	332.2	76,900*	220
225	30.7	304.2	84,400	37.8	325.7	73,600*	225
230	28.1	294.9	81,200	35.7	318.8	70,400*	230
235	25.2	284.4	78,100	33.4	311.2	67,300*	235
240	21.9	272.2	75,100	31.0	302.9	64,400*	240
245	18.0	257.5	72,100	28.4	293.6	61,500*	245
250	13.0	237.9	69,200	25.5	283.3	58,700*	250
255				22.3	271.3	56,000*	255
260				18.5	257.0	53,400*	260
270				4.7	202.6	47,700*	270

180 Ft. Boom, 250 Ft. Luffing Jib

Jib Oper. Rad. Feet	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	
105	72.4	427.7	222,900*				105
110	71.2	426.0	219,800*				110
115	70.0	424.1	216,500*				115
120	68.7	422.1	209,800*				120
125	67.5	420.0	199,200*				125
130	66.2	417.7	189,400*				130
135	65.0	415.4	180,400*				135
140	63.7	412.8	172,000*	67.6	417.8	156,100	140
145	62.4	410.2	164,200*	66.4	415.6	148,200	145
150	61.1	407.4	156,600	65.1	413.2	140,800	150
155	59.7	404.4	149,200	63.8	410.7	134,000	155
160	58.4	401.3	142,300	62.5	408.1	127,600	160
165	57.0	398.0	135,900	61.2	405.3	121,700	165
170	55.6	394.5	129,900	59.9	402.3	116,100	170
175	54.2	390.8	124,200	58.5	399.2	110,900	175
180	52.7	387.0	118,900	57.2	395.9	105,900*	180
185	51.3	382.9	113,900	55.8	392.5	101,000*	185
190	49.8	378.6	109,100	54.4	388.8	96,400*	190
195	48.2	374.1	104,700	52.9	385.0	92,000*	195
200	46.6	369.3	100,400	51.4	381.0	87,900*	200
205	45.0	364.3	96,400	49.9	376.7	83,900*	205
210	43.3	358.9	92,500	48.4	372.2	80,200*	210
215	41.6	353.2	88,900	46.8	367.5	76,600*	215
220	39.8	347.2	85,400	45.2	362.5	73,100*	220
225	37.9	340.7	82,100	43.5	357.1	69,800*	225
230	36.0	333.8	78,900	41.8	351.5	66,700*	230
235	33.9	326.3	75,900	40.0	345.5	63,700*	235
240	31.7	318.2	73,000	38.1	339.1	60,800*	240
245	29.4	309.4	70,000*	36.2	332.2	58,000*	245
250	26.9	299.6	67,000*	34.1	324.8	55,300*	250
255	24.1	288.5	64,100*	32.0	316.8	52,700*	255
260	21.0	275.8	61,300*	29.7	308.0	50,200*	260
270	12.4	239.9	55,700*	24.4	287.5	45,300*	270
280				17.7	260.0	40,700*	280
290				4.5	203.1	35,800*	290

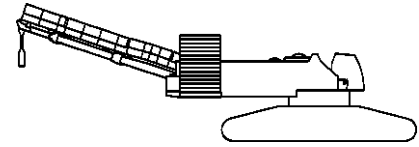


Liftcrane Luffing Jib Capacities

Luffing Jib No. 79A On
 Boom No. 55 or No. 55A with 140 Ft. Mast No. 56
 492,000 Lb. Crane Counterweight
 320,000 Lb. Carbody Counterweight
 0 Lb. Hanging Counterweight
 at 59 Ft. Position
 360 Degree Rating

Meets
 ANSI B30.5
 Requirements

18000 With 21000 MAX-ER



180 Ft. Boom, 270 Ft. Luffing Jib

Jib Oper. Rad. Feet	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	
110	72.6	447.2	191,700*				110
115	71.5	445.4	191,400*				115
120	70.4	443.6	190,300*				120
125	69.2	441.7	187,500*				125
130	68.1	439.6	184,700*				130
135	66.9	437.5	178,000*				135
140	65.8	435.1	169,600*				140
145	64.6	432.7	161,800*				145
150	63.4	430.2	154,500	67.1	435.3	138,400	150
155	62.2	427.5	147,100	65.9	433.0	131,500*	155
160	61.0	424.7	140,200	64.7	430.6	125,000*	160
165	59.7	421.7	133,700	63.5	428.1	118,900*	165
170	58.5	418.6	127,700	62.3	425.4	113,100*	170
175	57.2	415.3	122,100	61.1	422.6	107,700*	175
180	55.9	411.9	116,700	59.9	419.6	102,600*	180
185	54.6	408.3	111,700	58.6	416.5	97,700*	185
190	53.3	404.5	107,000	57.4	413.3	93,100*	190
195	52.0	400.6	102,500	56.1	409.9	88,800*	195
200	50.6	396.4	98,300	54.8	406.3	84,700*	200
205	49.2	392.0	94,300	53.5	402.6	80,700*	205
210	47.7	387.5	90,500	52.1	398.6	77,000*	210
215	46.2	382.6	86,800	50.7	394.5	73,400*	215
220	44.7	377.5	83,400	49.3	390.1	70,000*	220
225	43.2	372.1	80,100	47.9	385.6	66,700*	225
230	41.6	366.5	76,900*	46.4	380.8	63,600*	230
235	39.9	360.4	73,600*	44.9	375.7	60,600*	235
240	38.2	354.0	70,400*	43.4	370.4	57,800*	240
245	36.4	347.2	67,400*	41.8	364.7	55,000*	245
250	34.5	339.9	64,400*	40.1	358.7	52,300*	250
255	32.5	332.1	61,600*	38.4	352.4	49,800*	255
260	30.5	323.6	58,900*	36.6	345.6	47,300*	260
270	25.8	304.1	53,700*	32.8	330.6	42,600*	270
280	20.1	279.2	48,700*	28.5	313.0	38,200*	280
290	11.9	241.9	43,800*	23.4	291.5	34,000*	290
300				17.0	262.8	30,000*	300
310				4.2	203.6	25,600*	310

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	166,200*
120	71.8	464.9	165,900*
125	70.7	463.1	165,500*
130	69.7	461.2	165,000*
135	68.6	459.2	162,700*
140	67.6	457.1	160,400*
145	66.5	454.9	158,000*
150	65.4	452.5	151,600*
155	64.3	450.1	144,400
160	63.2	447.5	137,500
165	62.0	444.8	131,100
170	60.9	442.0	125,100
175	59.8	439.0	119,400
180	58.6	435.9	114,100
185	57.4	432.7	109,100
190	56.2	429.3	104,400
195	55.0	425.8	100,000
200	53.8	422.1	95,700
205	52.5	418.2	91,700
210	51.3	414.1	87,900
215	50.0	409.9	84,100*
220	48.7	405.4	80,300*
225	47.3	400.8	76,800*
230	45.9	395.9	73,300*
235	44.5	390.8	70,100*
240	43.1	385.4	66,900*
245	41.6	379.7	63,900*
250	40.0	373.7	61,000*
255	38.4	367.4	58,200*
260	36.8	360.6	55,500*
270	33.2	345.8	50,400*
280	29.3	328.7	45,600*
290	24.8	308.4	41,100*
300	19.4	282.5	36,800*
310	11.4	243.7	32,500*

Liftcrane Luffing Jib Capacities

Luffing Jib No. 79A On

Boom No. 55 or No. 55A with 140 Ft. Mast No. 56

492,000 Lb. Crane Counterweight

320,000 Lb. Carbody Counterweight

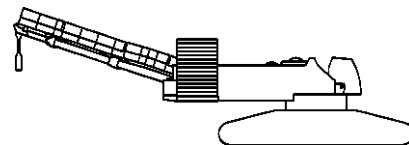
0 Lb. Hanging Counterweight

at 59 Ft. Position

360 Degree Rating

Meets
ANSI B30.5
Requirements

**18000 With
21000 MAX-ER**



180 Ft. Boom

310 Ft. Luffing Jib

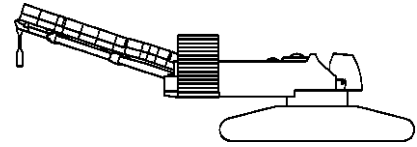
Jib Oper. Rad. Feet	85 Degree Boom Angle		
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds
125	72.0	484.3	143,900*
130	71.1	482.5	143,400*
135	70.1	480.7	142,900*
140	69.1	478.7	142,400*
145	68.1	476.7	141,500*
150	67.1	474.5	139,600*
155	66.1	472.3	137,500*
160	65.0	469.9	133,300*
165	64.0	467.4	128,800
170	63.0	464.9	122,800
175	61.9	462.1	117,200
180	60.9	459.3	111,900
185	59.8	456.4	106,900
190	58.7	453.3	102,200
195	57.6	450.1	97,700
200	56.5	446.7	93,300*
205	55.4	443.2	89,000*
210	54.2	439.6	84,900*
215	53.1	435.7	81,000*
220	51.9	431.8	77,300*
225	50.7	427.6	73,700*
230	49.4	423.3	70,300*
235	48.2	418.8	67,000*
240	46.9	414.1	63,900*
245	45.6	409.2	60,900*
250	44.3	404.0	58,000*
255	42.9	398.6	55,200*
260	41.5	392.9	52,600*
270	38.6	380.6	47,500*
280	35.5	367.0	42,800*
290	32.1	351.5	38,300*
300	28.3	333.7	34,100*
310	24.0	312.5	29,300*
320	18.7	285.7	24,900*
330	11.0	245.5	20,900*

Liftcrane Luffing Jib Capacities

Luffing Jib No. 79A On
 Boom No. 55 or No. 55A with 140 Ft. Mast No. 56
 492,000 Lb. Crane Counterweight
 320,000 Lb. Carbody Counterweight
 0 Lb. Hanging Counterweight
 at 59 Ft. Position
 360 Degree Rating

Meets
 ANSI B30.5
 Requirements

18000 With
 21000 MAX-ER



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	618,800*c							50
55	69.9	294.3	561,700*b							55
60	66.4	292.0	510,400*b	71.3	294.5	496,400*c				60
65	62.8	289.3	467,100*b	67.8	292.4	454,300*b				65
70	59.0	286.2	430,100*	64.2	289.8	418,300*b				70
75	55.1	282.5	398,100*	60.5	286.8	387,200*b				75
80	51.0	278.3	370,100*	56.7	283.4	360,000*				80
85	46.5	273.5	345,500*	52.6	279.4	336,100*	65.9	288.4	312,200*b	85
90	41.7	267.7	323,600*	48.3	274.8	314,800*	62.3	285.6	292,400*b	90
95	36.3	260.8	303,900*	43.6	269.5	295,700*	58.5	282.4	274,700*	95
100	29.9	252.1	286,000*	38.5	263.1	278,500*	54.5	278.7	258,800*	100
105	21.7	240.2	269,600*	32.6	255.2	262,800*	50.3	274.4	244,400*	105
110				25.3	244.9	248,400*	45.8	269.4	231,200*	110
115				14.1	228.1	234,700*	40.9	263.5	219,200*	115
120							35.4	256.4	208,000*	120
125							28.9	247.4	197,600*	125
130							20.2	234.7	187,500	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

Luffing Jib No. 79A On

Boom No. 55 or No. 55A with 140 Ft. Mast No. 56

492,000 Lb. Crane Counterweight

320,000 Lb. Carbody Counterweight

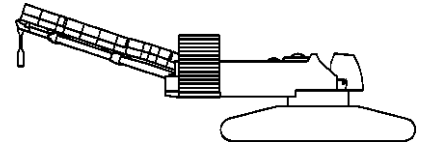
0 Lb. Hanging Counterweight

at 59 Ft. Position

360 Degree Rating

Meets
ANSI B30.5
Requirements

**18000 With
21000 MAX-ER**



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	529,200* b							55
60	71.0	313.9	509,200* b							60
65	68.1	311.8	466,000* b	72.1	314.0	452,700* b				65
70	65.3	309.3	429,200* b	69.3	312.0	416,900* b				70
75	62.3	306.6	397,300*	66.4	309.7	385,900* b				75
80	59.2	303.5	369,500*	63.5	307.1	358,900*				80
85	56.1	300.0	345,000*	60.4	304.1	335,100*				85
90	52.7	296.1	323,300*	57.3	300.8	314,000*	67.7	308.2	290,500* b	90
95	49.3	291.7	303,800*	54.1	297.1	295,100*	64.8	305.7	273,000*	95
100	45.6	286.7	286,300*	50.7	292.9	278,100*	61.8	302.9	257,200*	100
105	41.6	280.9	270,500*	47.1	288.1	262,700*	58.8	299.8	243,000*	105
110	37.3	274.3	256,000*	43.2	282.7	248,700*	55.6	296.2	230,000*	110
115	32.4	266.4	242,800*	39.1	276.4	235,800*	52.3	292.2	218,100*	115
120	26.7	256.6	230,500*	34.4	269.1	224,000*	48.8	287.7	207,200*	120
125	19.3	243.2	219,000*	29.1	260.1	213,100*	45.0	282.6	197,200*	125
130				22.5	248.5	202,800*	41.0	276.8	187,900*	130
135				12.5	229.9	192,900*	36.6	270.0	178,400	135
140							31.7	261.9	169,500	140
145							25.8	251.7	161,200	145
150							17.9	237.4	153,300	150

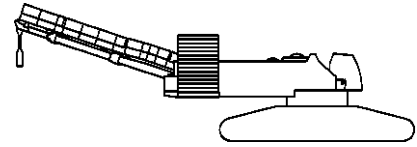
Capacities indicated by **(b)** require
21,000 Lb. minimum weight suspended
beneath luffing jib point.

Liftcrane Luffing Jib Capacities

Luffing Jib No. 79A On
 Boom No. 55 or No. 55A with 140 Ft. Mast No. 56
 492,000 Lb. Crane Counterweight
 320,000 Lb. Carbody Counterweight
 0 Lb. Hanging Counterweight
 at 59 Ft. Position
 360 Degree Rating

Meets
 ANSI B30.5
 Requirements

18000 With
 21000 MAX-ER



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	453,300*b							60
65	71.7	333.4	439,600*b							65
70	69.3	331.4	424,700*b	72.6	333.5	413,900*b				70
75	66.9	329.1	394,900*	70.3	331.6	383,000*b				75
80	64.4	326.7	367,100*	67.9	329.4	356,100*				80
85	61.9	323.9	342,700*	65.4	327.0	332,400*				85
90	59.3	320.8	321,100*	62.9	324.4	311,400*				90
95	56.7	317.5	301,800*	60.4	321.5	292,600*				95
100	53.9	313.7	284,400*	57.7	318.2	275,700*	66.6	325.5	253,900*	100
105	51.1	309.6	268,600*	55.0	314.6	260,400*	64.1	323.0	239,700*	105
110	48.1	305.0	254,300*	52.2	310.6	246,500*	61.6	320.2	226,900*	110
115	44.9	299.9	241,300*	49.3	306.2	233,800*	59.0	317.1	215,100*	115
120	41.6	294.2	229,300*	46.2	301.3	222,200*	56.3	313.7	204,300*	120
125	38.0	287.7	218,200*	42.9	295.9	211,500*	53.5	309.9	194,400*	125
130	34.0	280.2	207,900*	39.4	289.7	201,500*	50.7	305.7	185,300*	130
135	29.6	271.5	198,400*	35.6	282.7	192,300*	47.6	301.0	176,300	135
140	24.3	260.7	189,400*	31.4	274.5	183,700*	44.5	295.8	167,600	140
145	17.5	246.0	180,900*	26.5	264.6	175,100	41.1	290.0	159,600	145
150				20.5	251.9	166,700	37.4	283.4	152,100	150
155				11.2	231.4	158,600	33.4	275.8	145,100	155
160							28.9	266.8	138,500	160
165							23.5	255.6	132,300	165
170							16.3	240.0	126,200	170

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

Liftcrane Luffing Jib Capacities

Luffing Jib No. 79A On

Boom No. 55 or No. 55A with 140 Ft. Mast No. 56

492,000 Lb. Crane Counterweight

320,000 Lb. Carbody Counterweight

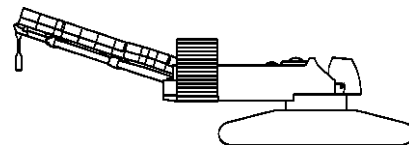
0 Lb. Hanging Counterweight

at 59 Ft. Position

360 Degree Rating

Meets
ANSI B30.5
Requirements

**18000 With
21000 MAX-ER**



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.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	
65	74.2	354.5	390,400*b							65
70	72.2	352.8	381,200*b							70
75	70.2	350.9	369,700*							75
80	68.1	348.8	357,800*	71.0	351.1	354,100*				80
85	66.0	346.5	341,000*	68.9	349.1	330,400*				85
90	63.9	344.0	319,400*	66.8	346.8	309,400*				90
95	61.7	341.2	300,100*	64.7	344.4	290,700*				95
100	59.4	338.2	282,800*	62.5	341.7	273,800*				100
105	57.1	334.9	267,100*	60.3	338.8	258,600*	67.8	345.2	237,400*	105
110	54.8	331.2	252,900*	58.1	335.6	244,800*	65.7	342.9	224,600*	110
115	52.4	327.3	239,900*	55.7	332.1	232,200*	63.5	340.3	212,900*	115
120	49.8	323.0	228,000*	53.3	328.3	220,600*	61.3	337.5	202,200*	120
125	47.2	318.3	217,000*	50.8	324.1	210,000*	59.1	334.4	192,400*	125
130	44.5	313.1	206,900*	48.3	319.6	200,100*	56.8	331.1	183,300*	130
135	41.6	307.4	197,500*	45.6	314.6	191,000*	54.4	327.4	174,600	135
140	38.5	301.0	188,700*	42.7	309.1	182,600*	52.0	323.4	166,000	140
145	35.1	293.9	180,600*	39.7	303.0	174,400	49.5	319.1	158,100	145
150	31.5	285.7	172,600	36.5	296.2	166,400	46.8	314.3	150,700	150
155	27.4	276.1	164,700	33.0	288.5	158,800	44.1	309.0	143,800	155
160	22.5	264.4	157,300	29.1	279.5	151,800	41.1	303.2	137,400	160
165	16.1	248.5	150,300	24.5	268.7	145,100	38.0	296.8	131,400	165
170				18.9	254.9	138,700	34.6	289.5	125,700	170
175				10.3	232.9	132,400	30.9	281.2	120,300	175
180							26.7	271.3	115,200	180
185							21.7	259.2	110,300	185
190							15.0	242.3	105,600	190

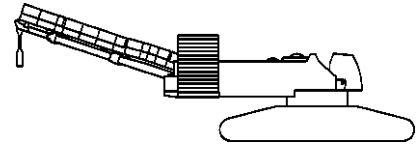
Capacities indicated by **(b)** require
21,000 Lb. minimum weight suspended
beneath luffing jib point.

Liftcrane Luffing Jib Capacities

Luffing Jib No. 79A On
 Boom No. 55 or No. 55A with 140 Ft. Mast No. 56
 492,000 Lb. Crane Counterweight
 320,000 Lb. Carbody Counterweight
 0 Lb. Hanging Counterweight
 at 59 Ft. Position
 360 Degree Rating

Meets
 ANSI B30.5
 Requirements

18000 With
 21000 MAX-ER



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	339,600*							70
75	72.6	372.2	331,400*							75
80	70.8	370.4	322,500*							80
85	69.0	368.4	313,300*	71.5	370.5	327,300*				85
90	67.2	366.3	303,500*	69.7	368.6	306,400*				90
95	65.3	363.9	293,400*	67.9	366.5	287,700*				95
100	63.4	361.3	280,100*	66.0	364.2	270,900*				100
105	61.5	358.5	264,500*	64.2	361.7	255,700*				105
110	59.5	355.5	250,300*	62.2	359.0	242,000*				110
115	57.5	352.2	237,400*	60.3	356.1	229,400*	66.9	362.7	209,400*	115
120	55.4	348.7	225,500*	58.3	352.9	217,900*	65.0	360.3	198,800*	120
125	53.3	344.9	214,600*	56.3	349.5	207,300*	63.1	357.7	189,000*	125
130	51.1	340.8	204,500*	54.2	345.8	197,500*	61.2	354.8	180,000*	130
135	48.9	336.4	195,200*	52.0	341.8	188,500*	59.2	351.8	171,600*	135
140	46.5	331.5	186,500*	49.8	337.5	180,000*	57.2	348.5	163,200	140
145	44.1	326.3	178,400*	47.5	332.9	172,200*	55.1	344.9	155,300	145
150	41.5	320.6	170,900*	45.1	327.8	164,300	53.0	341.1	148,000	150
155	38.8	314.3	163,200	42.6	322.3	156,900	50.8	336.9	141,100	155
160	36.0	307.4	156,000	39.9	316.3	150,000	48.5	332.4	134,800	160
165	32.9	299.6	149,200	37.1	309.6	143,400	46.2	327.5	128,800	165
170	29.4	290.8	142,900	34.1	302.2	137,300	43.7	322.3	123,300	170
175	25.6	280.5	136,900	30.8	293.8	131,500	41.2	316.5	118,000	175
180	21.0	267.9	131,100	27.2	284.2	126,100	38.4	310.1	113,100	180
185	15.0	250.9	125,600	22.9	272.6	120,900	35.5	303.1	108,400	185
190				17.7	257.8	115,800	32.4	295.2	103,900	190
195				9.5	234.2	110,800	28.9	286.2	99,700	195
200							25.0	275.6	95,600	200
205							20.3	262.5	91,700	205
210							13.9	244.5	87,800	210

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

Liftcrane Luffing Jib Capacities

Luffing Jib No. 79A On

Boom No. 55 or No. 55A with 140 Ft. Mast No. 56

492,000 Lb. Crane Counterweight

320,000 Lb. Carbody Counterweight

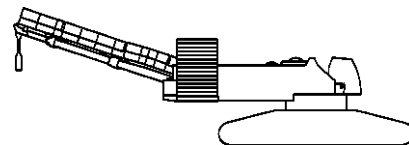
0 Lb. Hanging Counterweight

at 59 Ft. Position

360 Degree Rating

 Meets
ANSI B30.5
Requirements

18000 With 21000 MAX-ER



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.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	
75	74.5	393.3	296,200*							75
80	72.9	391.7	289,800*							80
85	71.3	389.9	283,000*							85
90	69.7	388.0	275,800*	71.9	390.0	300,300*				90
95	68.1	385.9	268,200*	70.3	388.1	285,400*				95
100	66.4	383.7	260,400*	68.7	386.1	268,700*				100
105	64.7	381.2	252,300*	67.1	384.0	253,500*				105
110	63.0	378.6	244,200*	65.4	381.6	239,800*				110
115	61.3	375.8	235,400*	63.7	379.1	227,200*				115
120	59.6	372.8	223,600*	62.0	376.3	215,800*	67.8	382.3	196,300*	120
125	57.8	369.6	212,700*	60.3	373.4	205,200*	66.2	380.1	186,500*	125
130	55.9	366.1	202,600*	58.5	370.3	195,500*	64.5	377.6	177,600*	130
135	54.1	362.5	193,300*	56.7	366.9	186,400*	62.8	375.0	169,200*	135
140	52.1	358.5	184,700*	54.8	363.3	178,100*	61.1	372.1	161,000	140
145	50.2	354.3	176,600*	52.9	359.5	170,300*	59.3	369.1	153,100	145
150	48.1	349.7	169,100*	50.9	355.3	162,600	57.5	365.9	145,800	150
155	46.0	344.8	161,700	48.9	350.9	155,200	55.7	362.4	139,100	155
160	43.8	339.5	154,600	46.9	346.2	148,300	53.8	358.6	132,700	160
165	41.5	333.8	147,900	44.7	341.0	141,900	51.9	354.6	126,800	165
170	39.1	327.6	141,600	42.4	335.5	135,800	49.9	350.4	121,300	170
175	36.6	320.9	135,700	40.1	329.5	130,100	47.8	345.8	116,100	175
180	33.9	313.4	130,100	37.6	323.0	124,800	45.7	340.8	111,200	180
185	30.9	305.0	124,900	35.0	315.8	119,700	43.5	335.5	106,600	185
190	27.7	295.6	119,900	32.1	307.8	114,900	41.2	329.7	102,200	190
195	24.1	284.6	115,100	29.0	298.9	110,300	38.8	323.4	98,000	195
200	19.8	271.2	110,500	25.6	288.5	105,900	36.2	316.5	94,100	200
205	14.1	253.2	106,100	21.6	276.2	101,700	33.5	309.0	90,300	205
210				16.6	260.5	97,700	30.5	300.5	86,800	210
215				8.9	235.5	93,500	27.2	290.9	83,300	215
220							23.5	279.6	80,000	220
225							19.1	265.7	76,800	225
230							13.1	246.6	73,400*	230