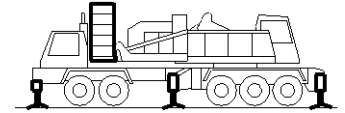


Liftcrane Luffing Jib Capacities

**Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
Without Front Bumper Counterweight
360 Degree Rating On Fully Extended Outriggers**

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5



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 85% of a static tipping load. Capacities based on structural competence are denoted by an asterisk (*). Capacities indicated by (b) require 2,825 Lb. minimum block weight.

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 bearing turntable level within a tolerance of 1/2 in. in 10 Ft., and outriggers fully extended (22 Ft. 8 in.) and set. Refer to operators manual for outrigger positioning. During operation, boom must be maintained at one of the selected angles shown in chart. Radii less than 35 Ft. not recommended when lifting over front of truck.

Note: Set four main jacks first, then lower center front jack until it just contacts ground to prevent preloading of center front jack. Center front jack must be used when operating on outriggers.

Refer to luffing jib assembly **No. 194151**, Wire Rope Specification chart **No. 8105-A** and Luffing Jib Raising Procedure chart **No. 8107-A**. Crane operator judgment must be used to allow for dynamic load effects of swinging, hoisting or lowering, wind conditions, as well as adverse operating conditions and physical machine depreciation. Refer to operators manual for operating guidelines.

MACHINE TRAVEL: Machine to travel with outrigger jacks retracted 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. 8103-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.

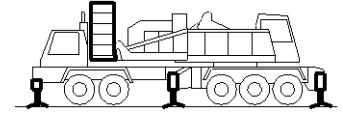
MACHINE EQUIPMENT: Machine equipped with Manitowoc 10 x 6 carrier, 277 in. wheel base, 117 in. front axle track, 100 in. rear axle track, 14.00 x 24 tires, 96 in. front outriggers, 70 in. rear outriggers, two 12 in. boom hoist cylinders, 26 Ft. mast, two boom support straps, 7 part luffing jib hoist reeving, two 1-1/2 in. luffing jib pendants, two 1-3/8 in. luffing jib backstays, 95,400 Lb. crane counterweight and without front bumper counterweight.

Consult chart **No. 8101-B** for lifting off lower boom point with luffing jib attached.

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
Without Front Bumper Counterweight
360 Degree Rating On Fully Extended Outriggers

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The Scope of ANSI B30.5



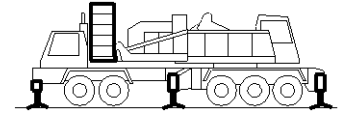
60 Ft. Boom, 70 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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	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	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
30	70.6	137.4	105,000 *b																			30
35	66.2	135.4	100,300 *b	70.9	137.1	105,000 *b																35
40	61.6	133.0	93,200 *b	66.5	135.1	101,200 *b																40
45	56.8	130.0	79,500 *	62.0	132.7	94,900 *	64.9	133.8	99,300 *b													45
50	51.8	126.4	69,100 *	57.2	129.8	80,900 *	60.3	131.2	89,700 *													50
55	46.4	122.1	60,800 *	52.2	126.2	70,200 *	55.5	128.1	77,000 *	60.6	130.1	82,300										55
60	40.4	116.8	54,000 *	46.8	122.0	61,700 *	50.4	124.3	67,100 *	55.8	127.0	73,300										60
65	33.6	110.2	48,400 *	40.9	116.8	54,900 *	44.8	119.7	59,300 *	50.7	123.3	66,000	56.0	125.4	63,800							65
70	25.3	101.3	43,500 *	34.2	110.3	49,100 *	38.7	114.1	52,900 *	45.2	118.7	59,900	50.9	121.7	57,900							70
75	12.6	86.8	38,000 *	26.1	101.7	44,200 *	31.5	107.0	47,400 *	39.1	113.2	53,500 *	45.4	117.2	53,000	50.8	119.5	51,100				75
80				14.1	88.0	39,600 *	22.5	97.2	42,700 *	32.0	106.2	48,000 *	39.3	111.7	48,700	45.3	115.0	47,000				80
85							5.7	77.3	37,600 *	23.2	96.6	43,200 *	32.3	104.8	45,000	39.3	109.5	43,500	45.1	112.2	41,900	85
90										7.8	78.6	38,600 *	23.5	95.3	41,800	32.3	102.6	40,300	39.0	106.7	38,900	90
95													8.7	78.0	38,900	23.5	93.1	37,600	31.9	99.7	36,300	95
100																8.7	75.8	35,000	23.1	90.0	33,900	100
105																			7.5	71.7	31,700	105

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
 Boom No. 78T With Heavy Lift Top
 95,400 Lb. Crane Counterweight
 Without Front Bumper Counterweight
 360 Degree Rating On Fully Extended Outriggers

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5



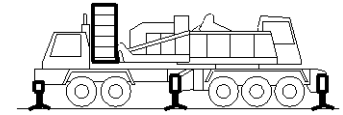
60 Ft. Boom, 80 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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	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	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
30	73.1	148.0	96,900 *b																			30
35	69.3	146.3	92,400 *b																			35
40	65.4	144.2	88,400 *	69.6	145.9	93,100 *b																40
45	61.4	141.7	79,600 *	65.7	143.8	89,300 *																45
50	57.2	138.7	69,200 *	61.7	141.4	81,000 *	64.3	142.5	87,900 *													50
55	52.9	135.2	61,000 *	57.6	138.4	70,300 *	60.3	139.9	77,000 *													55
60	48.2	131.1	54,300 *	53.2	135.0	61,900 *	56.1	136.8	67,300 *	60.5	138.8	73,000										60
65	43.2	126.2	48,700 *	48.6	130.9	55,000 *	51.6	133.1	59,400 *	56.3	135.7	65,700										65
70	37.7	120.3	44,000 *	43.7	126.1	49,400 *	46.9	128.8	53,100 *	51.9	132.1	59,600	56.5	134.1	57,500							70
75	31.4	113.1	39,900 *	38.2	120.4	44,600 *	41.8	123.7	47,700 *	47.2	127.8	53,600 *	52.1	130.5	52,600							75
80	23.6	103.5	36,300 *	32.0	113.2	40,500 *	36.1	117.5	43,200 *	42.1	122.7	48,200 *	47.4	126.2	48,300	52.1	128.3	46,600				80
85	11.8	87.8	32,300 *	24.4	103.9	36,800 *	29.5	109.7	39,300 *	36.4	116.6	43,700 *	42.3	121.2	44,700	47.4	124.1	43,100				85
90				13.2	89.2	33,400 *	21.1	99.1	35,700 *	29.9	109.0	39,700 *	36.6	115.1	41,500	42.3	119.0	40,000	47.1	121.3	38,500	90
95							5.3	77.8	32,100 *	21.6	98.6	36,100 *	30.1	107.5	38,600	36.6	113.0	37,200	42.0	116.2	35,900	95
100										7.3	79.2	32,600 *	22.0	97.3	36,100	30.1	105.4	34,800	36.4	110.1	33,500	100
105													8.1	78.7	33,000 *	22.0	95.1	32,600	29.8	102.4	31,400	105
110																8.1	76.5	30,600	21.6	92.0	29,500	110
115																			7.0	72.3	27,700	115

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
Without Front Bumper Counterweight
360 Degree Rating On Fully Extended Outriggers

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5



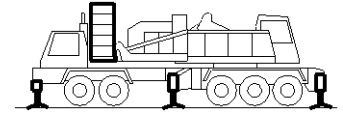
60 Ft. Boom, 90 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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	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	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
30	75.0	158.4	87,100 *b																			30
35	71.7	156.9	82,500 *b																			35
40	68.3	155.0	78,300 *																			40
45	64.8	152.9	74,600 *	68.6	154.7	79,000 *																45
50	61.2	150.3	69,900 *	65.1	152.6	75,300 *	67.4	153.4	77,500 *													50
55	57.5	147.4	61,500 *	61.5	150.0	70,900 *	63.9	151.2	74,000 *													55
60	53.7	143.9	54,700 *	57.9	147.1	62,400 *	60.3	148.5	67,900 *													60
65	49.6	140.0	49,100 *	54.0	143.7	55,500 *	56.5	145.4	59,900 *	60.5	147.4	65,400										65
70	45.3	135.4	44,400 *	50.0	139.8	49,800 *	52.6	141.9	53,500 *	56.7	144.4	59,400										70
75	40.6	130.0	40,400 *	45.7	135.3	45,000 *	48.5	137.8	48,200 *	52.8	140.8	54,100 *	56.9	142.8	52,300							75
80	35.5	123.6	36,900 *	41.0	130.0	40,900 *	44.1	133.0	43,600 *	48.7	136.8	48,700 *	53.0	139.2	48,100							80
85	29.5	115.8	33,800 *	35.9	123.7	37,400 *	39.3	127.4	39,700 *	44.3	132.0	44,100 *	48.9	135.2	44,400	53.0	137.1	42,800				85
90	22.2	105.5	30,900 *	30.1	116.0	34,200 *	34.0	120.6	36,300 *	39.6	126.5	40,100 *	44.5	130.5	41,300	48.9	133.0	39,700				90
95	11.1	88.8	27,900 *	22.9	106.0	31,400 *	27.7	112.3	33,300 *	34.3	119.8	36,700 *	39.8	124.9	38,400	44.5	128.3	37,000				95
100				12.5	90.3	28,600 *	19.8	100.9	30,500 *	28.1	111.6	33,700 *	34.5	118.3	35,900	39.7	122.8	34,600	44.3	125.5	33,300	100
105							5.0	78.2	27,600 *	20.4	100.5	30,900 *	28.4	110.1	33,700	34.5	116.2	32,400	39.5	119.9	31,200	105
110										6.8	79.8	28,100 *	20.7	99.2	31,100 *	28.4	108.0	30,500	34.2	113.3	29,300	110
115													7.7	79.4	28,400 *	20.7	97.0	28,700	28.1	105.0	27,600	115
120																7.7	77.2	27,000	20.3	93.9	26,000	120
125																			6.6	72.9	24,500	125

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
 Boom No. 78T With Heavy Lift Top
 95,400 Lb. Crane Counterweight
 Without Front Bumper Counterweight
 360 Degree Rating On Fully Extended Outriggers

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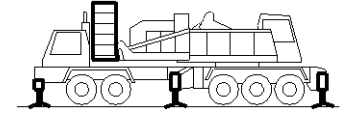
60 Ft. Boom, 100 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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	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	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
35	73.6	167.3	77,100 *b																			35
40	70.5	165.7	73,300 *																			40
45	67.5	163.8	69,500 *	70.8	165.4	73,800 *																45
50	64.3	161.6	66,200 *	67.7	163.5	70,100 *																50
55	61.1	159.0	61,400 *	64.6	161.3	66,800 *	66.6	162.2	68,800 *													55
60	57.8	156.0	54,700 *	61.4	158.7	62,300 *	63.5	159.8	65,700 *													60
65	54.3	152.7	49,100 *	58.1	155.8	55,400 *	60.2	157.2	59,800 *													65
70	50.7	148.8	44,400 *	54.6	152.5	49,700 *	56.9	154.1	53,400 *	60.4	156.1	59,000										70
75	46.9	144.5	40,400 *	51.0	148.7	45,000 *	53.4	150.6	48,100 *	57.1	153.0	53,900										75
80	42.9	139.4	36,900 *	47.2	144.3	40,900 *	49.7	146.7	43,600 *	53.6	149.6	48,600 *	57.2	151.4	47,700							80
85	38.5	133.6	33,900 *	43.2	139.4	37,400 *	45.8	142.1	39,700 *	49.9	145.6	44,000 *	53.7	148.0	44,100							85
90	33.6	126.8	31,200 *	38.8	133.6	34,300 *	41.7	136.9	36,300 *	46.1	141.1	40,100 *	50.1	144.1	40,900							90
95	28.0	118.4	28,700 *	34.0	126.9	31,600 *	37.2	130.8	33,400 *	42.0	136.0	36,700 *	46.2	139.6	38,100	50.1	141.9	36,600				95
100	21.1	107.4	26,500 *	28.5	118.6	29,100 *	32.2	123.6	30,800 *	37.5	130.0	33,700 *	42.1	134.4	35,600	46.2	137.4	34,200				100
105	10.6	89.8	24,100 *	21.8	108.0	26,800 *	26.3	114.7	28,400 *	32.5	122.8	31,100 *	37.6	128.4	33,300	42.1	132.3	32,000	46.0	134.6	30,800	105
110				11.8	91.4	24,600 *	18.8	102.6	26,200 *	26.7	114.0	28,700 *	32.7	121.3	31,300 *	37.6	126.3	30,100	41.9	129.4	28,900	110
115							4.8	78.7	23,800 *	19.3	102.2	26,500 *	26.9	112.6	28,900 *	32.7	119.2	28,300	37.4	123.4	27,200	115
120										6.5	80.4	24,200 *	19.6	101.0	26,700 *	26.9	110.4	26,700	32.4	116.2	25,700	120
125													7.3	80.1	24,400 *	19.6	98.8	25,200	26.6	107.4	24,200	125
130																7.3	77.9	23,800	19.3	95.6	22,900	130
135																			6.2	73.5	21,700	135

Liftcrane Luffing Jib Capacities

**Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
Without Front Bumper Counterweight
360 Degree Rating On Fully Extended Outriggers**

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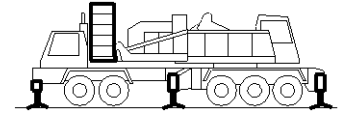
60 Ft. Boom, 110 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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	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	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
35	75.1	177.7	71,600 *b																			35
40	72.4	176.3	68,300 *																			40
45	69.6	174.5	65,100 *																			45
50	66.8	172.5	62,100 *	69.9	174.2	65,600 *																50
55	64.0	170.3	59,200 *	67.1	172.2	62,700 *																55
60	61.0	167.6	54,800 *	64.2	169.9	59,700 *	66.0	170.9	61,500 *													60
65	58.0	164.7	49,200 *	61.3	167.4	55,500 *	63.2	168.5	58,700 *													65
70	54.9	161.4	44,500 *	58.3	164.5	49,900 *	60.2	165.8	53,500 *													70
75	51.6	157.7	40,600 *	55.1	161.2	45,100 *	57.2	162.8	48,200 *	60.4	164.7	53,800										75
80	48.2	153.4	37,100 *	51.9	157.5	41,100 *	54.0	159.4	43,700 *	57.3	161.7	48,700 *										80
85	44.6	148.7	34,100 *	48.5	153.3	37,600 *	50.7	155.5	39,900 *	54.2	158.3	44,100 *	57.4	160.1	44,000							85
90	40.8	143.3	31,400 *	44.9	148.6	34,500 *	47.3	151.2	36,500 *	50.9	154.5	40,200 *	54.3	156.7	40,800							90
95	36.6	137.0	29,100 *	41.1	143.2	31,800 *	43.6	146.2	33,600 *	47.5	150.2	36,900 *	51.0	152.9	38,000							95
100	32.0	129.7	26,900 *	37.0	137.1	29,400 *	39.7	140.6	31,000 *	43.8	145.3	33,900 *	47.6	148.6	35,500	51.0	150.7	34,100				100
105	26.7	120.8	25,000 *	32.4	129.8	27,300 *	35.4	134.1	28,700 *	39.9	139.7	31,300 *	44.0	143.7	33,300	47.6	146.4	32,000				105
110	20.1	109.2	23,100 *	27.1	121.1	25,300 *	30.6	126.4	26,600 *	35.7	133.3	29,000 *	40.1	138.2	31,300	43.9	141.6	30,000	47.4	143.6	28,800	110
115	10.1	90.7	21,200 *	20.7	109.8	23,400 *	25.0	116.9	24,700 *	30.9	125.6	26,900 *	35.8	131.8	29,200 *	40.1	136.0	28,300	43.8	138.7	27,100	115
120				11.3	92.4	21,600 *	17.9	104.2	22,900 *	25.4	116.3	25,000 *	31.1	124.2	27,100 *	35.8	129.6	26,700	39.9	133.2	25,600	120
125							4.5	79.1	20,900 *	18.4	103.9	23,100 *	25.6	114.9	25,200 *	31.1	122.0	25,200	35.6	126.7	24,200	125
130										6.2	81.0	21,300 *	18.7	102.7	23,300 *	25.6	112.8	23,900	30.9	119.1	22,900	130
135													6.9	80.7	21,500 *	18.7	100.5	22,600	25.4	109.7	21,700	135
140																6.9	78.5	21,500	18.3	97.3	20,600	140
145																			5.9	74.0	19,500	145

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
 Boom No. 78T With Heavy Lift Top
 95,400 Lb. Crane Counterweight
 Without Front Bumper Counterweight
 360 Degree Rating On Fully Extended Outriggers

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5



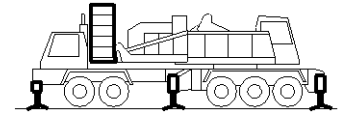
60 Ft. Boom, 120 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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	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	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
40	73.9	186.7	63,400 *																			40
45	71.4	185.1	60,300 *																			45
50	68.8	183.3	57,500 *																			50
55	66.3	181.3	54,900 *	69.1	183.0	57,900 *																55
60	63.6	178.9	52,400 *	66.5	180.9	55,300 *																60
65	60.9	176.3	49,000 *	63.9	178.6	52,800 *	65.6	179.6	54,300 *													65
70	58.2	173.4	44,400 *	61.2	176.0	49,700 *	62.9	177.2	51,900 *													70
75	55.3	170.1	40,400 *	58.4	173.1	44,900 *	60.2	174.5	48,000 *													75
80	52.3	166.4	36,900 *	55.6	169.9	40,900 *	57.4	171.5	43,500 *	60.4	173.4	48,500 *										80
85	49.3	162.4	34,000 *	52.6	166.2	37,400 *	54.5	168.1	39,700 *	57.6	170.4	43,900 *										85
90	46.0	157.8	31,300 *	49.5	162.2	34,400 *	51.5	164.3	36,400 *	54.7	167.0	40,100 *	57.7	168.8	40,400							90
95	42.6	152.7	29,000 *	46.3	157.7	31,700 *	48.4	160.1	33,500 *	51.7	163.3	36,700 *	54.8	165.4	37,600							95
100	39.0	146.9	26,800 *	42.9	152.6	29,300 *	45.1	155.4	30,900 *	48.6	159.1	33,800 *	51.8	161.7	35,200							100
105	35.0	140.3	24,900 *	39.3	146.9	27,200 *	41.7	150.1	28,600 *	45.3	154.5	31,200 *	48.7	157.5	32,900	51.8	159.5	31,600				105
110	30.6	132.5	23,200 *	35.3	140.3	25,200 *	37.9	144.1	26,500 *	41.9	149.2	28,900 *	45.4	152.9	30,900	48.7	155.4	29,700				110
115	25.5	123.1	21,600 *	31.0	132.7	23,500 *	33.9	137.2	24,700 *	38.2	143.2	26,800 *	42.0	147.7	29,100 *	45.4	150.7	27,900				115
120	19.2	111.0	20,000 *	26.0	123.5	21,900 *	29.3	129.1	23,000 *	34.1	136.4	24,900 *	38.3	141.7	27,000 *	42.0	145.5	26,300	45.3	147.9	25,200	120
125	9.7	91.5	18,500 *	19.8	111.6	20,300 *	24.0	119.1	21,400 *	29.6	128.3	23,200 *	34.2	134.9	25,100 *	38.3	139.6	24,900	41.8	142.7	23,800	125
130				10.8	93.4	18,800 *	17.2	105.8	19,900 *	24.3	118.5	21,600 *	29.7	126.9	23,400 *	34.2	132.7	23,500	38.1	136.7	22,500	130
135							4.3	79.5	18,200 *	17.6	105.5	20,100 *	24.5	117.2	21,800 *	29.7	124.7	22,300	34.1	129.8	21,300	135
140										5.9	81.5	18,500 *	17.9	104.3	20,300 *	24.5	115.0	21,200	29.5	121.8	20,300	140
145													6.6	81.3	18,700 *	17.9	102.1	20,100	24.3	111.9	19,200	145
150																6.6	79.1	18,800 *			18,300	150
155																			5.7	74.5	17,300	155

Liftcrane Luffing Jib Capacities

**Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
Without Front Bumper Counterweight
360 Degree Rating On Fully Extended Outriggers**

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5



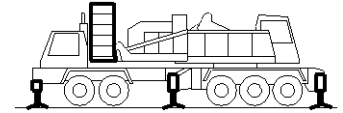
60 Ft. Boom, 130 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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	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	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
40	75.2	197.1	50,800 *																			40
45	72.9	195.7	49,700 *																			45
50	70.5	194.0	48,600 *																			50
55	68.2	192.1	47,000 *	70.7	193.6	48,900 *																55
60	65.8	190.0	44,900 *	68.4	191.8	47,300 *																60
65	63.4	187.6	42,900 *	66.0	189.7	45,200 *	67.5	190.5	46,400 *													65
70	60.9	185.0	41,000 *	63.6	187.3	43,200 *	65.1	188.3	44,400 *													70
75	58.3	182.0	39,200 *	61.1	184.7	41,300 *	62.7	185.9	42,500 *													75
80	55.7	178.8	37,200 *	58.5	181.8	39,500 *	60.2	183.2	40,600 *	62.8	184.8	42,300 *										80
85	53.0	175.2	34,100 *	55.9	178.6	37,600 *	57.6	180.1	38,900 *	60.3	182.1	40,500 *										85
90	50.1	171.2	31,400 *	53.2	175.0	34,500 *	55.0	176.8	36,600 *	57.8	179.1	38,800 *										90
95	47.2	166.8	29,100 *	50.4	171.1	31,800 *	52.2	173.1	33,600 *	55.1	175.7	36,900 *	57.8	177.4	37,400							95
100	44.1	162.0	26,900 *	47.5	166.7	29,400 *	49.4	169.0	31,000 *	52.4	172.1	33,900 *	55.2	174.1	34,900							100
105	40.9	156.5	25,000 *	44.4	161.9	27,300 *	46.4	164.5	28,700 *	49.5	168.0	31,300 *	52.5	170.5	32,700							105
110	37.4	150.3	23,300 *	41.2	156.5	25,300 *	43.3	159.5	26,600 *	46.6	163.5	29,000 *	49.6	166.4	30,700	52.5	168.3	29,400				110
115	33.6	143.3	21,700 *	37.7	150.4	23,600 *	40.0	153.9	24,800 *	43.5	158.5	26,900 *	46.7	162.0	28,900	49.6	164.3	27,600				115
120	29.4	135.2	20,200 *	33.9	143.4	22,000 *	36.4	147.5	23,100 *	40.2	152.9	25,000 *	43.6	157.0	27,100 *	46.7	159.8	26,100				120
125	24.5	125.3	18,900 *	29.7	135.4	20,500 *	32.5	140.2	21,500 *	36.6	146.6	23,300 *	40.3	151.4	25,200 *	43.6	154.8	24,600	46.5	157.0	23,500	125
130	18.5	112.6	17,500 *	24.9	125.7	19,100 *	28.1	131.6	20,100 *	32.7	139.4	21,700 *	36.7	145.1	23,500 *	40.3	149.2	23,300	43.4	152.0	22,300	130
135	9.3	92.4	16,200 *	19.1	113.3	17,800 *	23.0	121.2	18,700 *	28.4	130.9	20,300 *	32.9	137.9	21,900 *	36.7	143.0	22,100	40.1	146.4	21,100	135
140				10.4	94.3	16,500 *	16.5	107.3	17,400 *	23.3	120.6	18,900 *	28.5	129.5	20,400 *	32.9	135.8	20,900	36.6	140.1	20,000	140
145							4.2	79.8	16,000 *	16.9	107.0	17,600 *	23.5	119.3	19,100 *	28.5	127.3	19,900	32.7	132.8	19,000	145
150										5.7	82.0	16,200 *	17.2	105.8	17,800 *	23.5	117.1	18,900	28.4	124.4	18,000	150
155													6.4	81.8	16,400 *	17.2	103.6	17,900 *	23.3	114.0	17,200	155
160																6.4	79.7	16,500 *	16.9	100.3	16,300	160
165																			5.5	75.0	15,500	165

Liftcrane Luffing Jib Capacities

**Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
Without Front Bumper Counterweight
360 Degree Rating On Fully Extended Outriggers**

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5



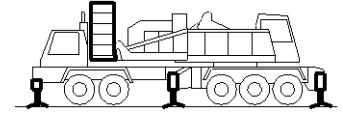
60 Ft. Boom, 140 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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	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	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	74.1	206.1	46,700 *																			45
50	72.0	204.6	45,500 *																			50
55	69.8	202.8	43,400 *																			55
60	67.6	200.9	41,400 *	70.0	202.5	43,600 *																60
65	65.4	198.7	39,500 *	67.8	200.5	41,600 *																65
70	63.1	196.3	37,700 *	65.6	198.4	39,800 *	67.0	199.3	40,800 *													70
75	60.8	193.6	36,000 *	63.3	196.0	37,900 *	64.8	197.0	39,000 *													75
80	58.4	190.7	34,300 *	61.0	193.4	36,200 *	62.5	194.6	37,300 *													80
85	56.0	187.5	32,700 *	58.6	190.4	34,500 *	60.2	191.8	35,600 *	62.6	193.4	37,100 *										85
90	53.5	183.9	31,200 *	56.2	187.2	33,000 *	57.8	188.8	34,000 *	60.3	190.7	35,500 *										90
95	50.9	180.1	28,800 *	53.7	183.7	31,500 *	55.3	185.5	32,500 *	57.9	187.7	33,900 *										95
100	48.2	175.8	26,700 *	51.1	179.9	29,200 *	52.8	181.9	30,800 *	55.5	184.4	32,500 *	58.0	186.1	33,700 *							100
105	45.4	171.1	24,800 *	48.4	175.7	27,000 *	50.2	177.9	28,500 *	52.9	180.8	31,000 *	55.6	182.8	32,300 *							105
110	42.4	165.9	23,100 *	45.6	171.0	25,100 *	47.5	173.5	26,400 *	50.3	176.9	28,700 *	53.0	179.2	30,300							110
115	39.3	160.1	21,500 *	42.7	165.9	23,400 *	44.6	168.7	24,600 *	47.6	172.5	26,700 *	50.4	175.3	28,500	53.0	177.1	27,300				115
120	36.0	153.7	20,100 *	39.6	160.1	21,800 *	41.6	163.4	22,900 *	44.8	167.7	24,800 *	47.7	171.0	26,800 *	50.4	173.1	25,700				120
125	32.3	146.3	18,800 *	36.3	153.7	20,400 *	38.4	157.4	21,300 *	41.8	162.4	23,100 *	44.9	166.2	25,000 *	47.7	168.8	24,200				125
130	28.3	137.7	17,500 *	32.6	146.4	19,000 *	35.0	150.7	19,900 *	38.6	156.5	21,500 *	41.9	160.9	23,300 *	44.9	164.0	22,900	47.6	166.0	21,900	130
135	23.6	127.5	16,400 *	28.6	138.0	17,800 *	31.3	143.1	18,600 *	35.2	149.9	20,100 *	38.7	155.0	21,700 *	41.9	158.7	21,700	44.8	161.2	20,700	135
140	17.8	114.2	15,200 *	24.0	127.9	16,600 *	27.1	134.1	17,400 *	31.5	142.3	18,800 *	35.3	148.4	20,300 *	38.7	152.8	20,600	41.8	155.9	19,600	140
145	8.9	93.2	14,100 *	18.4	115.0	15,500 *	22.2	123.2	16,300 *	27.3	133.4	17,600 *	31.6	140.8	19,000 *	35.3	146.2	19,500	38.6	150.0	18,600	145
150				10.0	95.2	14,300 *	15.9	108.7	15,100 *	22.5	122.6	16,400 *	27.5	132.0	17,700 *	31.6	138.7	18,600	35.2	143.3	17,700	150
155							4.0	80.2	13,900 *	16.3	108.4	15,300 *	22.7	121.3	16,600 *	27.5	129.8	17,700	31.5	135.7	16,800	155
160										5.5	82.5	14,100 *	16.6	107.3	15,500 *	22.7	119.1	16,700 *	27.3	126.8	16,000	160
165													6.2	82.4	14,300 *	16.6	105.1	15,600 *	22.4	116.0	15,200	165
170																6.1	80.2	14,400 *	16.2	101.8	14,500	170

Liftcrane Luffing Jib Capacities

**Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
Without Front Bumper Counterweight
360 Degree Rating On Fully Extended Outriggers**

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5



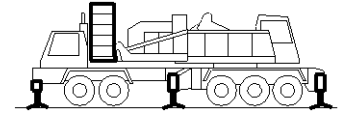
60 Ft. Boom, 150 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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	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	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	75.2	216.5	43,800 *																			45
50	73.2	215.0	42,200 *																			50
55	71.2	213.4	40,300 *																			55
60	69.2	211.6	38,400 *																			60
65	67.1	209.6	36,600 *	69.4	211.3	38,500 *																65
70	65.0	207.4	34,800 *	67.3	209.3	36,700 *																70
75	62.9	205.0	33,200 *	65.2	207.1	35,000 *	66.6	208.0	36,000 *													75
80	60.7	202.3	31,600 *	63.1	204.7	33,400 *	64.5	205.7	34,400 *													80
85	58.5	199.4	30,100 *	60.9	202.0	31,800 *	62.3	203.2	32,800 *													85
90	56.3	196.2	28,600 *	58.7	199.1	30,300 *	60.2	200.5	31,200 *	62.5	202.1	32,600 *										90
95	53.9	192.7	27,300 *	56.5	195.9	28,800 *	57.9	197.5	29,800 *	60.3	199.4	31,200 *										95
100	51.5	188.9	26,000 *	54.1	192.5	27,500 *	55.6	194.2	28,300 *	58.1	196.4	29,700 *										100
105	49.1	184.7	24,800 *	51.7	188.7	26,200 *	53.3	190.6	27,000 *	55.8	193.1	28,400 *										105
110	46.5	180.2	23,100 *	49.3	184.6	24,900 *	50.9	186.7	25,700 *	53.4	189.6	27,000 *	55.9	191.5	28,200 *							110
115	43.8	175.2	21,500 *	46.7	180.1	23,400 *	48.4	182.5	24,500 *	51.0	185.7	25,800 *	53.5	188.0	26,900 *							115
120	40.9	169.7	20,100 *	44.0	175.1	21,800 *	45.8	177.8	22,900 *	48.5	181.5	24,600 *	51.1	184.1	25,700 *							120
125	37.9	163.6	18,800 *	41.2	169.7	20,400 *	43.0	172.7	21,300 *	45.9	176.9	23,100 *	48.6	179.9	24,500 *	51.1	182.0	24,100				125
130	34.7	156.8	17,600 *	38.2	163.7	19,000 *	40.1	167.1	19,900 *	43.2	171.8	21,500 *	46.0	175.3	23,200 *	48.6	177.7	22,800				130
135	31.2	149.1	16,500 *	35.0	156.9	17,800 *	37.1	160.8	18,700 *	40.3	166.2	20,100 *	43.3	170.2	21,700 *	46.0	173.1	21,600				135
140	27.3	140.2	15,400 *	31.5	149.3	16,700 *	33.8	153.8	17,500 *	37.3	160.0	18,800 *	40.4	164.6	20,300 *	43.3	168.1	20,500	45.9	170.3	19,500	140
145	22.8	129.5	14,400 *	27.6	140.5	15,600 *	30.2	145.8	16,400 *	34.0	153.0	17,700 *	37.4	158.5	19,000 *	40.4	162.5	19,400	43.2	165.2	18,500	145
150	17.2	115.8	13,400 *	23.2	130.0	14,600 *	26.1	136.5	15,300 *	30.4	145.0	16,500 *	34.1	151.5	17,800 *	37.4	156.3	18,500	40.3	159.6	17,600	150
155	8.6	93.9	12,400 *	17.7	116.6	13,600 *	21.4	125.1	14,300 *	26.4	135.8	15,500 *	30.5	143.6	16,700 *	34.1	149.3	17,600	37.2	153.4	16,700	155
160				9.6	96.0	12,600 *	15.3	110.1	13,400 *	21.7	124.6	14,500 *	26.5	134.4	15,600 *	30.5	141.4	16,700	34.0	146.4	15,900	160
165							3.9	80.5	12,300 *	15.8	109.9	13,500 *	21.9	123.3	14,600 *	26.5	132.2	15,700 *	30.4	138.5	15,100	165
170										5.3	83.0	12,500 *	16.0	108.7	13,700 *	21.9	121.1	14,700 *	26.4	129.2	14,400	170
180																5.9	80.7	12,700 *	15.7	103.2	13,100	180

Liftcrane Luffing Jib Capacities

**Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
Without Front Bumper Counterweight
360 Degree Rating On Fully Extended Outriggers**

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5



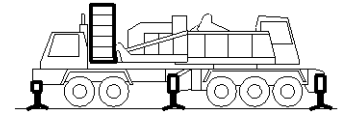
60 Ft. Boom, 160 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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	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	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	74.3	225.5	38,800 *																			50
55	72.4	224.0	37,000 *																			55
60	70.5	222.3	35,200 *																			60
65	68.6	220.4	33,400 *	70.7	221.9	35,300 *																65
70	66.7	218.4	31,800 *	68.8	220.1	33,600 *																70
75	64.7	216.1	30,200 *	66.9	218.0	31,900 *																75
80	62.7	213.6	28,600 *	64.9	215.8	30,400 *	66.2	216.7	31,300 *													80
85	60.7	211.0	27,200 *	62.9	213.3	28,800 *	64.2	214.4	29,700 *													85
90	58.6	208.0	25,800 *	60.9	210.7	27,400 *	62.2	211.9	28,300 *													90
95	56.5	204.9	24,500 *	58.8	207.8	26,000 *	60.1	209.1	26,900 *	62.3	210.8	28,200 *										95
100	54.3	201.4	23,200 *	56.7	204.6	24,600 *	58.1	206.1	25,500 *	60.3	208.0	26,800 *										100
105	52.1	197.7	22,000 *	54.5	201.2	23,400 *	55.9	202.9	24,200 *	58.2	205.1	25,500 *										105
110	49.8	193.6	20,900 *	52.3	197.5	22,200 *	53.7	199.4	22,900 *	56.0	201.8	24,200 *										110
115	47.4	189.2	19,800 *	50.0	193.4	21,000 *	51.5	195.5	21,800 *	53.9	198.3	23,000 *	56.1	200.2	24,100 *							115
120	44.9	184.4	18,800 *	47.6	189.1	19,900 *	49.1	191.4	20,700 *	51.6	194.5	21,800 *	53.9	196.7	22,900 *							120
125	42.3	179.2	17,800 *	45.1	184.3	18,900 *	46.7	186.9	19,600 *	49.3	190.4	20,700 *	51.7	192.9	21,700 *							125
130	39.6	173.4	16,900 *	42.5	179.1	17,900 *	44.2	182.0	18,600 *	46.9	185.9	19,600 *	49.4	188.8	20,700 *	51.7	190.8	21,600 *				130
135	36.7	167.0	16,000 *	39.8	173.4	17,000 *	41.6	176.6	17,600 *	44.4	181.0	18,600 *	47.0	184.3	19,600 *	49.4	186.6	20,500 *				135
140	33.6	159.9	15,200 *	36.9	167.1	16,200 *	38.8	170.7	16,700 *	41.8	175.7	17,700 *	44.5	179.5	18,600 *	47.0	182.2	19,500 *				140
145	30.2	151.9	14,300 *	33.8	160.0	15,300 *	35.9	164.1	15,900 *	39.0	169.8	16,800 *	41.8	174.1	17,700 *	44.5	177.3	18,500 *	46.9	179.4	18,100	145
150	26.4	142.6	13,400 *	30.5	152.1	14,500 *	32.7	156.8	15,100 *	36.1	163.3	15,900 *	39.1	168.3	16,800 *	41.8	172.0	17,600 *	44.4	174.5	17,200	150
155	22.0	131.5	12,500 *	26.7	142.9	13,600 *	29.2	148.5	14,200 *	32.9	156.0	15,100 *	36.2	161.8	15,900 *	39.1	166.1	16,700 *	41.7	169.1	16,300	155
160	16.6	117.2	11,600 *	22.4	132.0	12,700 *	25.3	138.7	13,300 *	29.4	147.7	14,400 *	33.0	154.5	15,100 *	36.1	159.6	15,900 *	39.0	163.2	15,500	160
165	8.4	94.7	10,700 *	17.2	118.1	11,800 *	20.7	127.0	12,400 *	25.5	138.1	13,400 *	29.5	146.3	14,400 *	33.0	152.3	15,100 *	36.0	156.7	14,800	165
170				9.3	96.9	10,900 *	14.8	111.4	11,600 *	21.0	126.5	12,600 *	25.7	136.7	13,600 *	29.5	144.1	14,300 *	32.9	149.4	14,100	170
180										5.1	83.4	10,800 *	15.5	110.1	11,900 *	21.2	123.0	12,800 *	25.5	131.5	12,800	180
190																5.7	81.2	11,000 *	15.2	104.6	11,600	190

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
Without Front Bumper Counterweight
360 Degree Rating On Fully Extended Outriggers

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5



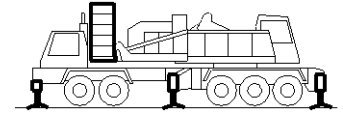
60 Ft. Boom, 170 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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	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	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	75.2	235.8	35,900 *																			50
55	73.5	234.4	34,200 *																			55
60	71.7	232.9	32,500 *																			60
65	69.9	231.1	30,800 *																			65
70	68.1	229.2	29,200 *	70.1	230.8	30,900 *																70
75	66.3	227.1	27,700 *	68.3	228.9	29,400 *																75
80	64.5	224.8	26,300 *	66.5	226.8	27,900 *	67.6	227.6	28,700 *													80
85	62.6	222.3	24,900 *	64.6	224.5	26,400 *	65.8	225.4	27,300 *													85
90	60.7	219.6	23,500 *	62.7	222.0	25,000 *	64.0	223.1	25,900 *													90
95	58.7	216.7	22,300 *	60.8	219.3	23,700 *	62.1	220.6	24,500 *													95
100	56.7	213.5	21,000 *	58.9	216.4	22,400 *	60.1	217.8	23,200 *	62.2	219.4	24,400 *										100
105	54.7	210.1	19,900 *	56.9	213.3	21,200 *	58.2	214.8	22,000 *	60.2	216.7	23,200 *										105
110	52.6	206.4	18,800 *	54.8	209.9	20,000 *	56.2	211.6	20,800 *	58.3	213.7	21,900 *										110
115	50.4	202.5	17,800 *	52.8	206.2	18,900 *	54.1	208.1	19,600 *	56.3	210.5	20,800 *										115
120	48.2	198.2	16,800 *	50.6	202.3	17,900 *	52.0	204.3	18,600 *	54.2	207.1	19,700 *	56.4	208.9	20,700 *							120
125	45.9	193.5	15,800 *	48.4	198.0	16,900 *	49.8	200.3	17,500 *	52.1	203.3	18,600 *	54.3	205.4	19,600 *							125
130	43.5	188.5	15,000 *	46.1	193.4	16,000 *	47.6	195.9	16,600 *	50.0	199.3	17,600 *	52.2	201.7	18,500 *							130
135	41.0	183.0	14,100 *	43.7	188.4	15,100 *	45.3	191.1	15,600 *	47.7	194.9	16,600 *	50.0	197.7	17,500 *	52.2	199.5	18,400 *				135
140	38.4	176.9	13,300 *	41.2	182.9	14,200 *	42.8	186.0	14,800 *	45.4	190.2	15,700 *	47.8	193.3	16,600 *	50.0	195.5	17,400 *				140
145	35.6	170.3	12,600 *	38.6	176.9	13,400 *	40.3	180.3	13,900 *	43.0	185.0	14,800 *	45.5	188.6	15,700 *	47.8	191.2	16,500 *				145
150	32.5	162.9	11,900 *	35.8	170.4	12,700 *	37.6	174.1	13,100 *	40.5	179.4	14,000 *	43.1	183.5	14,800 *	45.5	186.4	15,600 *	47.7	188.4	16,300 *	150
155	29.3	154.5	11,100 *	32.8	163.0	11,900 *	34.8	167.3	12,400 *	37.8	173.3	13,200 *	40.5	177.9	14,000 *	43.1	181.3	14,800 *	45.4	183.6	15,500 *	155
160	25.6	144.9	10,200 *	29.6	154.8	11,100 *	31.7	159.7	11,700 *	34.9	166.5	12,400 *	37.9	171.8	13,200 *	40.5	175.7	13,900 *	43.0	178.5	14,600 *	160
165	21.4	133.4	9,400 *	25.9	145.3	10,300 *	28.3	151.0	10,800 *	31.9	158.9	11,700 *	35.0	165.0	12,500 *	37.9	169.6	13,200 *	40.4	172.9	13,800 *	165
170	16.1	118.7	8,700 *	21.8	133.9	9,500 *	24.5	141.0	10,000 *	28.5	150.3	10,900 *	32.0	157.4	11,800 *	35.0	162.8	12,400 *	37.8	166.7	13,100 *	170
180				9.1	97.7	8,200 *	14.4	112.7	8,500 *	20.4	128.3	9,300 *	24.9	139.0	10,100 *	28.6	146.7	10,900 *	31.8	152.3	11,700 *	180
190										5.0	83.9	8,000 *	15.0	111.4	8,600 *	20.5	124.9	9,300 *	24.7	133.7	10,000 *	190
200																5.6	81.7	8,000 *	14.7	105.9	8,600 *	200

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
 Boom No. 78T With Heavy Lift Top
 95,400 Lb. Crane Counterweight
 Without Front Bumper Counterweight
 360 Degree Rating On Fully Extended Outriggers

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5



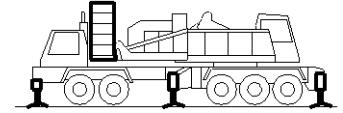
70 Ft. Boom, 70 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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	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	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	
30	70.9	147.6	105,000 *b																			30
35	66.5	145.6	100,000 *b																			35
40	61.9	143.2	94,500 *b	67.6	145.6	102,200 *b																40
45	57.2	140.2	80,800 *	63.1	143.3	97,100 *b																45
50	52.1	136.7	70,100 *	58.4	140.5	84,400 *	66.5	144.4	100,900 *b													50
							61.9	142.0	94,600 *b													
55	46.8	132.4	61,700 *	53.5	137.1	73,000 *	57.2	139.1	81,400 *	63.0	141.1	81,500 b										55
60	40.8	127.2	54,800 *	48.2	133.0	64,000 *	52.2	135.5	70,700 *	58.3	138.3	72,600										60
65	34.1	120.7	49,000 *	42.4	128.1	56,700 *	46.8	131.2	62,200 *	53.4	134.9	65,300										65
70	25.9	112.0	44,100 *	36.0	121.9	50,700 *	40.9	126.0	55,300 *	48.1	130.8	59,300	54.4	133.7	57,000							70
75	13.9	98.2	38,900 *	28.3	114.0	45,600 *	34.2	119.5	49,500 *	42.3	125.9	54,200	49.2	129.7	52,100							75
80				17.8	102.2	41,000 *	26.0	110.9	44,600 *	35.8	119.7	49,900	43.5	125.0	47,900	50.0	127.9	46,000				80
85							14.0	97.2	40,000 *	28.1	111.7	45,900 *	37.2	119.1	44,300	44.5	123.3	42,500				85
90										17.5	99.8	41,300 *	29.8	111.5	41,100	38.3	117.6	39,400	45.1	120.9	37,800	90
95													20.0	100.7	38,300	31.1	110.4	36,700	39.0	115.3	35,200	95
100																21.9	100.3	34,300	31.9	108.3	32,900	100
105																1.7	76.3	32,100	23.1	98.7	30,800	105
110																			7.5	80.4	28,900	110

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
Without Front Bumper Counterweight
360 Degree Rating On Fully Extended Outriggers

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5



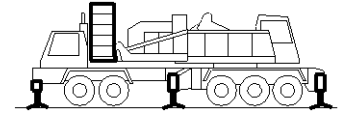
70 Ft. Boom, 80 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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	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	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
30	73.3	158.1	96,400 *b																			30
35	69.5	156.4	92,100 *b																			35
40	65.7	154.3	88,300 *	70.5	156.3	93,500 *b																40
45	61.7	151.8	80,900 *	66.7	154.3	89,800 *																45
50	57.5	148.9	70,200 *	62.7	151.9	84,500 *	65.7	153.1	88,800 *													50
55	53.2	145.5	61,800 *	58.6	149.1	73,100 *	61.7	150.7	81,500 *													55
60	48.6	141.4	55,000 *	54.3	145.8	64,100 *	57.6	147.7	70,800 *	62.6	149.8	72,200										60
65	43.6	136.6	49,400 *	49.8	141.9	56,900 *	53.2	144.3	62,300 *	58.5	147.0	65,000										65
70	38.1	130.8	44,600 *	44.9	137.3	51,000 *	48.6	140.2	55,500 *	54.2	143.7	59,000										70
75	31.9	123.6	40,400 *	39.6	131.8	46,000 *	43.6	135.4	49,800 *	49.7	139.8	53,900	55.1	142.4	51,700							75
80	24.2	114.3	36,800 *	33.6	125.1	41,700 *	38.1	129.6	45,000 *	44.8	135.1	49,600	50.6	138.6	47,500							80
85	13.0	99.4	32,900 *	26.4	116.4	37,900 *	31.9	122.5	40,800 *	39.5	129.6	45,800	45.8	134.1	43,900	51.3	136.8	42,100				85
90				16.6	103.7	34,400 *	24.3	113.1	37,200 *	33.4	122.8	41,900 *	40.6	128.8	40,800	46.6	132.4	39,000				90
95							13.1	98.3	33,700 *	26.2	114.1	38,200 *	34.7	122.3	38,000	41.4	127.2	36,400	47.1	129.9	34,800	95
100										16.3	101.3	34,700 *	27.8	114.1	35,500	35.7	121.0	34,000	42.0	124.9	32,500	100
105													18.7	102.4	33,200	29.0	113.1	31,800	36.4	118.7	30,400	105
110																20.4	102.2	29,900	29.8	111.1	28,600	110
115																1.6	76.5	28,000	21.6	100.7	26,900	115
120																			7.0	81.0	25,300	120

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
 Boom No. 78T With Heavy Lift Top
 95,400 Lb. Crane Counterweight
 Without Front Bumper Counterweight
 360 Degree Rating On Fully Extended Outriggers

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5



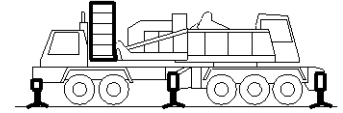
70 Ft. Boom, 90 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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	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	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
30	75.2	168.4	86,700 *b																			30
35	71.9	167.0	82,400 *b																			35
40	68.5	165.2	78,300 *																			40
45	65.1	163.0	74,600 *	69.4	165.1	79,700 *																45
50	61.5	160.5	70,900 *	66.0	163.0	75,900 *																50
55	57.8	157.6	62,400 *	62.4	160.6	72,500 *	65.1	161.8	75,000 *													55
60	54.0	154.2	55,500 *	58.8	157.8	64,700 *	61.5	159.3	71,400 *													60
65	49.9	150.3	49,800 *	55.0	154.5	57,400 *	57.8	156.4	62,900 *	62.3	158.5	64,700										65
70	45.6	145.7	45,000 *	51.0	150.8	51,400 *	54.0	153.0	55,900 *	58.7	155.7	58,700										70
75	41.0	140.4	40,900 *	46.8	146.4	46,400 *	49.9	149.1	50,200 *	54.9	152.4	53,700										75
80	35.8	134.1	37,300 *	42.2	141.3	42,100 *	45.6	144.6	45,400 *	50.9	148.6	49,300	55.7	151.1	47,300							80
85	30.0	126.4	34,200 *	37.2	135.3	38,400 *	41.0	139.3	41,300 *	46.7	144.2	45,600	51.7	147.4	43,700							85
90	22.8	116.3	31,300 *	31.6	128.0	35,200 *	35.9	133.0	37,700 *	42.1	139.1	42,300	47.5	143.2	40,500	52.4	145.5	38,800				90
95	12.2	100.5	28,300 *	24.9	118.7	32,300 *	30.0	125.3	34,500 *	37.1	133.1	38,700 *	43.0	138.2	37,700	48.2	141.4	36,100				95
100				15.7	105.1	29,500 *	22.9	115.2	31,700 *	31.5	125.7	35,400 *	38.2	132.4	35,300	43.8	136.6	33,700				100
105							12.3	99.5	28,900 *	24.7	116.4	32,500 *	32.7	125.3	33,100	39.0	130.9	31,600	44.3	134.1	30,200	105
110										15.4	102.7	29,800 *	26.2	116.5	31,100	33.6	124.1	29,700	39.5	128.6	28,300	110
115													17.6	104.0	29,200	27.3	115.6	28,000	34.2	121.9	26,700	115
120																19.2	103.9	26,400	28.1	113.6	25,200	120
125																1.5	76.6	24,800	20.3	102.5	23,800	125
130																			6.6	81.6	22,400	130

Liftcrane Luffing Jib Capacities

**Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
Without Front Bumper Counterweight
360 Degree Rating On Fully Extended Outriggers**

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5



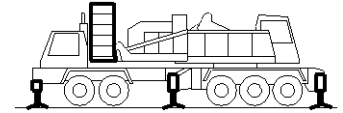
70 Ft. Boom, 100 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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	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	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
35	73.8	177.4	76,700 *b																			35
40	70.8	175.8	73,200 *																			40
45	67.7	173.9	69,600 *																			45
50	64.6	171.7	66,200 *	68.5	173.9	70,800 *																50
55	61.3	169.2	62,300 *	65.4	171.7	67,400 *	67.7	172.8	69,800 *													55
60	58.0	166.2	55,400 *	62.2	169.3	64,300 *	64.6	170.5	66,600 *													60
65	54.6	162.9	49,700 *	58.9	166.5	57,300 *	61.4	168.0	62,700 *													65
70	51.0	159.1	45,000 *	55.5	163.2	51,300 *	58.0	165.1	55,800 *	62.1	167.2	58,300										70
75	47.2	154.8	40,900 *	51.9	159.6	46,300 *	54.6	161.7	50,100 *	58.8	164.3	53,300										75
80	43.2	149.8	37,400 *	48.2	155.4	42,100 *	51.0	157.9	45,300 *	55.4	161.1	49,000										80
85	38.8	144.1	34,300 *	44.2	150.6	38,400 *	47.2	153.6	41,200 *	51.9	157.4	45,200	56.1	159.8	43,300							85
90	34.0	137.3	31,500 *	39.9	145.0	35,200 *	43.2	148.7	37,700 *	48.1	153.2	42,000	52.6	156.2	40,100							90
95	28.4	129.0	29,100 *	35.3	138.6	32,400 *	38.8	142.9	34,600 *	44.1	148.4	38,600 *	48.9	152.1	37,400							95
100	21.6	118.3	26,800 *	29.9	130.7	29,900 *	34.0	136.1	31,900 *	39.9	142.8	35,400 *	44.9	147.4	34,900	49.5	150.3	33,300				100
105	11.6	101.6	24,400 *	23.6	120.8	27,600 *	28.5	127.9	29,400 *	35.1	136.3	32,600 *	40.7	142.0	32,700	45.6	145.7	31,200				105
110				14.8	106.5	25,300 *	21.7	117.2	27,100 *	29.8	128.5	30,100 *	36.1	135.7	30,700	41.4	140.5	29,300	46.0	143.3	27,900	110
115							11.7	100.5	24,900 *	23.4	118.5	27,800 *	30.9	128.2	28,900	36.9	134.3	27,600	41.9	138.1	26,300	115
120										14.6	104.0	25,600 *	24.8	118.7	27,300	31.8	127.0	26,000	37.4	132.1	24,800	120
125													16.7	105.6	25,800	25.9	117.9	24,600	32.4	124.9	23,400	125
130																18.2	105.6	23,200	26.6	116.1	22,100	130
135																1.4	76.7	21,900	19.3	104.3	21,000	135
140																			6.2	82.2	19,800	140

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
 Boom No. 78T With Heavy Lift Top
 95,400 Lb. Crane Counterweight
 Without Front Bumper Counterweight
 360 Degree Rating On Fully Extended Outriggers

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5



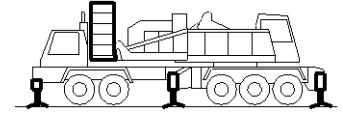
70 Ft. Boom, 110 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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	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	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
35	75.3	187.8	71,200 *b																			35
40	72.6	186.4	68,000 *																			40
45	69.8	184.7	65,000 *																			45
50	67.0	182.7	62,100 *	70.5	184.5	65,900 *																50
55	64.2	180.4	59,300 *	67.7	182.6	63,100 *																55
60	61.2	177.8	55,500 *	64.9	180.4	60,300 *	67.0	181.5	62,300 *													60
65	58.2	174.9	49,900 *	62.0	177.9	57,400 *	64.2	179.2	59,500 *													65
70	55.1	171.6	45,100 *	59.0	175.1	51,400 *	61.2	176.7	55,900 *													70
75	51.8	167.9	41,100 *	55.9	171.9	46,500 *	58.2	173.7	50,200 *	61.9	175.8	53,200										75
80	48.5	163.7	37,600 *	52.7	168.3	42,200 *	55.1	170.5	45,400 *	58.9	173.0	48,900										80
85	44.9	159.0	34,500 *	49.3	164.3	38,600 *	51.9	166.7	41,400 *	55.8	169.8	45,200										85
90	41.1	153.7	31,800 *	45.8	159.7	35,400 *	48.5	162.6	37,900 *	52.6	166.2	41,900	56.5	168.5	40,000							90
95	36.9	147.5	29,400 *	42.1	154.5	32,700 *	44.9	157.9	34,800 *	49.3	162.1	38,800 *	53.3	165.0	37,300							95
100	32.3	140.2	27,200 *	38.0	148.6	30,200 *	41.1	152.5	32,100 *	45.7	157.5	35,600 *	50.0	161.0	34,800							100
105	27.1	131.5	25,300 *	33.6	141.6	27,900 *	36.9	146.3	29,700 *	42.0	152.3	32,800 *	46.5	156.5	32,700	50.5	159.2	31,100				105
110	20.6	120.2	23,400 *	28.5	133.3	25,900 *	32.4	139.1	27,500 *	37.9	146.4	30,400 *	42.8	151.5	30,700	47.0	154.8	29,200				110
115	11.1	102.5	21,500 *	22.5	122.8	24,000 *	27.1	130.3	25,500 *	33.5	139.4	28,100 *	38.8	145.7	28,900	43.4	149.8	27,500	47.4	152.3	26,200	115
120				14.2	107.7	22,200 *	20.7	119.0	23,700 *	28.4	131.1	26,100 *	34.4	138.9	27,300	39.4	144.1	26,000	43.8	147.4	24,700	120
125							11.2	101.5	21,800 *	22.3	120.5	24,200 *	29.5	130.9	25,800	35.1	137.6	24,600	39.9	141.8	23,400	125
130										13.9	105.2	22,400 *	23.6	120.9	24,400	30.3	129.8	23,200	35.6	135.4	22,100	130
135													15.9	107.0	22,900 *	24.7	120.2	22,000	30.9	127.7	20,900	135
140																17.4	107.2	20,900	25.4	118.4	19,900	140
145																1.3	76.8	19,800	18.3	105.9	18,900	145
150																			5.9	82.7	17,900	150

Liftcrane Luffing Jib Capacities

**Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
Without Front Bumper Counterweight
360 Degree Rating On Fully Extended Outriggers**

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5



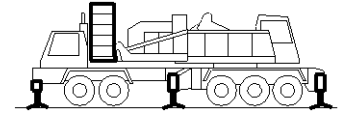
70 Ft. Boom, 120 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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	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	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
40	74.1	196.8	63,100 *																			40
45	71.6	195.3	60,200 *																			45
50	69.0	193.5	57,400 *																			50
55	66.4	191.4	54,900 *	69.7	193.4	58,300 *																55
60	63.8	189.1	52,400 *	67.1	191.4	55,700 *																60
65	61.1	186.5	49,700 *	64.5	189.1	53,300 *	66.5	190.2	55,000 *													65
70	58.4	183.6	44,900 *	61.8	186.6	51,000 *	63.8	187.9	52,600 *													70
75	55.5	180.3	40,900 *	59.1	183.8	46,300 *	61.1	185.3	50,000 *													75
80	52.6	176.7	37,400 *	56.3	180.6	42,100 *	58.4	182.4	45,300 *	61.8	184.5	48,500										80
85	49.5	172.7	34,400 *	53.3	177.1	38,400 *	55.5	179.2	41,200 *	59.0	181.6	44,800										85
90	46.3	168.1	31,700 *	50.3	173.2	35,300 *	52.6	175.5	37,700 *	56.2	178.5	41,500										90
95	42.9	163.1	29,300 *	47.1	168.8	32,500 *	49.5	171.5	34,600 *	53.3	174.9	38,600 *	56.8	177.2	36,900							95
100	39.2	157.3	27,200 *	43.8	163.8	30,000 *	46.3	167.0	31,900 *	50.2	171.0	35,400 *	53.9	173.7	34,500							100
105	35.3	150.7	25,200 *	40.2	158.3	27,900 *	42.9	161.9	29,600 *	47.0	166.6	32,700 *	50.8	169.8	32,300							105
110	30.9	143.1	23,500 *	36.3	151.9	25,900 *	39.3	156.2	27,400 *	43.7	161.7	30,200 *	47.7	165.5	30,300	51.3	168.0	28,800				110
115	25.9	133.8	21,800 *	32.1	144.6	24,100 *	35.3	149.6	25,500 *	40.1	156.1	28,000 *	44.4	160.7	28,500	48.2	163.8	27,100				115
120	19.7	121.9	20,300 *	27.3	135.8	22,400 *	30.9	141.9	23,700 *	36.3	149.7	26,000 *	40.8	155.3	26,900	44.9	159.0	25,600				120
125	10.6	103.5	18,700 *	21.5	124.8	20,800 *	25.9	132.7	22,100 *	32.0	142.3	24,200 *	37.1	149.1	25,400	41.4	153.7	24,200	45.3	156.6	22,900	125
130				13.5	108.9	19,300 *	19.8	120.8	20,500 *	27.2	133.5	22,600 *	32.9	141.9	24,100	37.7	147.6	22,900	41.8	151.3	21,700	130
135							10.7	102.5	19,000 *	21.3	122.4	21,000 *	28.2	133.5	22,800	33.6	140.7	21,700	38.1	145.4	20,600	135
140										13.3	106.4	19,500 *	22.6	122.9	21,400 *	29.0	132.4	20,600	34.1	138.5	19,500	140
145													15.3	108.4	19,900 *	23.6	122.3	19,500	29.5	130.4	18,500	145
150																16.6	108.7	18,600	24.3	120.6	17,600	150
155																1.3	77.0	17,600	17.6	107.5	16,700	155
160																			5.7	83.2	15,900	160

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
 Boom No. 78T With Heavy Lift Top
 95,400 Lb. Crane Counterweight
 Without Front Bumper Counterweight
 360 Degree Rating On Fully Extended Outriggers

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5



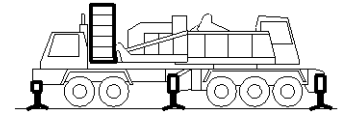
70 Ft. Boom, 130 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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	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	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
40	75.3	207.2	50,300 *																			40
45	73.0	205.8	49,200 *																			45
50	70.7	204.1	48,200 *																			50
55	68.4	202.3	47,000 *																			55
60	66.0	200.1	44,900 *	69.0	202.2	47,600 *																60
65	63.5	197.8	42,900 *	66.6	200.1	45,600 *																65
70	61.0	195.2	41,000 *	64.2	197.8	43,600 *	66.0	199.0	44,900 *													70
75	58.5	192.2	39,300 *	61.7	195.3	41,700 *	63.5	196.6	43,000 *													75
80	55.9	189.0	37,600 *	59.2	192.4	39,900 *	61.1	194.0	41,200 *													80
85	53.2	185.5	34,500 *	56.5	189.3	38,200 *	58.5	191.1	39,500 *	61.6	193.2	41,300 *										85
90	50.4	181.5	31,800 *	53.9	185.8	35,500 *	55.9	187.8	37,800 *	59.1	190.3	39,600 *										90
95	47.4	177.2	29,400 *	51.1	182.0	32,600 *	53.2	184.3	34,800 *	56.5	187.2	38,000 *										95
100	44.4	172.3	27,300 *	48.2	177.7	30,200 *	50.4	180.3	32,100 *	53.8	183.7	35,600 *	57.0	185.8	34,200							100
105	41.1	166.9	25,300 *	45.2	173.0	27,900 *	47.4	176.0	29,700 *	51.0	179.8	32,800 *	54.3	182.4	32,000							105
110	37.6	160.8	23,600 *	42.0	167.8	26,000 *	44.4	171.1	27,500 *	48.1	175.6	30,300 *	51.6	178.6	30,000							110
115	33.9	153.9	22,000 *	38.6	161.9	24,200 *	41.1	165.7	25,600 *	45.1	170.8	28,100 *	48.7	174.5	28,300	52.0	176.8	26,800				115
120	29.7	145.8	20,500 *	34.9	155.2	22,500 *	37.7	159.6	23,800 *	41.9	165.6	26,100 *	45.7	169.8	26,600	49.2	172.7	25,300				120
125	24.9	136.1	19,100 *	30.8	147.4	21,000 *	33.9	152.7	22,200 *	38.5	159.7	24,300 *	42.5	164.7	25,200	46.2	168.1	23,900				125
130	19.0	123.6	17,800 *	26.2	138.2	19,600 *	29.7	144.6	20,700 *	34.8	152.9	22,700 *	39.2	158.9	23,800	43.1	163.1	22,600	46.5	165.7	21,400	130
135	10.2	104.4	16,400 *	20.6	126.6	18,300 *	24.9	134.9	19,300 *	30.7	145.2	21,200 *	35.5	152.4	22,600	39.7	157.4	21,400	43.4	160.7	20,300	135
140				13.0	110.1	16,900 *	19.0	122.5	18,000 *	26.1	135.9	19,800 *	31.6	144.8	21,400	36.2	151.0	20,300	40.1	155.1	19,200	140
145							10.3	103.4	16,700 *	20.5	124.3	18,400 *	27.1	135.9	20,200 *	32.2	143.6	19,300	36.6	148.7	18,200	145
150										12.8	107.6	17,100 *	21.7	124.9	18,800 *	27.8	135.0	18,300	32.7	141.5	17,300	150
155													14.7	109.7	17,500 *	22.7	124.4	17,400	28.4	133.0	16,500	155
160																16.0	110.1	16,600	23.3	122.7	15,700	160
165																1.2	77.1	15,700	16.9	109.0	14,900	165
170																			5.5	83.7	14,200	170

Liftcrane Luffing Jib Capacities

**Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
Without Front Bumper Counterweight
360 Degree Rating On Fully Extended Outriggers**

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5



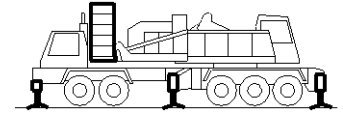
70 Ft. Boom, 140 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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	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	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	74.3	216.2	46,300 *																			45
50	72.1	214.7	45,300 *																			50
55	70.0	213.0	43,400 *																			55
60	67.8	211.0	41,400 *	70.5	212.8	43,900 *																60
65	65.5	208.9	39,500 *	68.3	211.0	42,000 *																65
70	63.3	206.5	37,700 *	66.1	208.9	40,100 *	67.8	209.8	41,300 *													70
75	61.0	203.8	36,000 *	63.9	206.5	38,300 *	65.6	207.7	39,500 *													75
80	58.6	200.9	34,400 *	61.6	203.9	36,600 *	63.3	205.3	37,800 *													80
85	56.2	197.7	32,800 *	59.2	201.1	34,900 *	61.0	202.6	36,100 *													85
90	53.7	194.2	31,400 *	56.8	198.0	33,400 *	58.6	199.7	34,500 *	61.5	201.8	36,200 *										90
95	51.1	190.3	29,200 *	54.3	194.6	31,900 *	56.2	196.5	33,000 *	59.2	199.0	34,700 *										95
100	48.4	186.1	27,100 *	51.8	190.8	29,900 *	53.7	193.0	31,500 *	56.7	195.8	33,200 *										100
105	45.6	181.4	25,100 *	49.1	186.7	27,700 *	51.1	189.2	29,400 *	54.3	192.4	31,800 *	57.2	194.5	31,600							105
110	42.7	176.3	23,400 *	46.3	182.1	25,700 *	48.4	184.9	27,300 *	51.7	188.6	30,100 *	54.8	191.1	29,700							110
115	39.5	170.6	21,800 *	43.4	177.1	24,000 *	45.6	180.3	25,400 *	49.0	184.5	27,900 *	52.2	187.4	27,900							115
120	36.2	164.1	20,400 *	40.4	171.5	22,300 *	42.7	175.1	23,600 *	46.3	179.9	25,900 *	49.6	183.4	26,300	52.6	185.5	24,900				120
125	32.6	156.8	19,000 *	37.1	165.3	20,800 *	39.6	169.4	22,000 *	43.4	174.9	24,100 *	46.8	178.9	24,800	50.0	181.5	23,500				125
130	28.6	148.4	17,800 *	33.6	158.2	19,500 *	36.2	163.0	20,600 *	40.3	169.3	22,500 *	44.0	174.0	23,500	47.3	177.1	22,200				130
135	23.9	138.2	16,600 *	29.7	150.1	18,200 *	32.6	155.7	19,200 *	37.0	163.1	21,000 *	40.9	168.5	22,200	44.4	172.3	21,000	47.6	174.7	19,900	135
140	18.3	125.3	15,400 *	25.2	140.5	17,000 *	28.6	147.2	18,000 *	33.5	156.0	19,600 *	37.7	162.4	21,100	41.4	166.9	19,900	44.8	169.9	18,800	140
145	9.8	105.3	14,300 *	19.9	128.4	15,900 *	24.0	137.1	16,800 *	29.6	147.8	18,400 *	34.2	155.5	20,000 *	38.2	160.9	18,900	41.8	164.6	17,800	145
150				12.5	111.2	14,700 *	18.3	124.2	15,700 *	25.1	138.2	17,200 *	30.4	147.6	18,700 *	34.8	154.2	18,000	38.6	158.6	16,900	150
155							9.9	104.3	14,500 *	19.7	126.1	16,000 *	26.1	138.3	17,500 *	31.0	146.4	17,100	35.2	152.0	16,100	155
160										12.3	108.7	14,900 *	20.9	126.8	16,400 *	26.8	137.4	16,300	31.5	144.4	15,300	160
165													14.1	110.9	15,200 *	21.8	126.3	15,500	27.3	135.5	14,600	165
170																15.4	111.5	14,700				170
180																			5.3	84.2	12,500	180

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
 Boom No. 78T With Heavy Lift Top
 95,400 Lb. Crane Counterweight
 Without Front Bumper Counterweight
 360 Degree Rating On Fully Extended Outriggers

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5



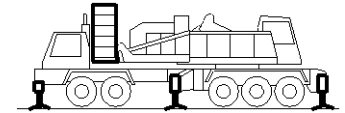
70 Ft. Boom, 150 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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	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	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	75.3	226.5	43,300 *																			45
50	73.4	225.1	42,100 *																			50
55	71.4	223.5	40,200 *																			55
60	69.3	221.8	38,400 *																			60
65	67.3	219.8	36,600 *	69.9	221.7	38,800 *																65
70	65.2	217.6	34,900 *	67.8	219.7	37,000 *																70
75	63.1	215.1	33,200 *	65.7	217.6	35,400 *	67.3	218.6	36,500 *													75
80	60.9	212.5	31,600 *	63.6	215.2	33,700 *	65.2	216.4	34,800 *													80
85	58.7	209.6	30,200 *	61.5	212.6	32,100 *	63.1	214.0	33,200 *													85
90	56.4	206.4	28,700 *	59.3	209.8	30,600 *	60.9	211.3	31,700 *													90
95	54.1	202.9	27,400 *	57.0	206.7	29,200 *	58.7	208.4	30,300 *	61.4	210.5	31,800 *										95
100	51.7	199.1	26,100 *	54.7	203.3	27,800 *	56.4	205.2	28,800 *	59.2	207.6	30,400 *										100
105	49.2	195.0	24,900 *	52.3	199.6	26,500 *	54.1	201.8	27,500 *	57.0	204.5	29,000 *										105
110	46.7	190.5	23,400 *	49.9	195.5	25,300 *	51.7	198.0	26,200 *	54.7	201.1	27,700 *	57.4	203.2	29,000 *							110
115	44.0	185.6	21,800 *	47.3	191.1	23,900 *	49.2	193.9	25,000 *	52.3	197.4	26,400 *	55.1	199.8	27,800 *							115
120	41.1	180.1	20,400 *	44.7	186.3	22,300 *	46.7	189.3	23,600 *	49.8	193.4	25,200 *	52.8	196.2	26,200							120
125	38.2	174.1	19,100 *	41.9	181.0	20,900 *	44.0	184.4	22,000 *	47.3	189.0	24,100 *	50.3	192.2	24,700							125
130	34.9	167.3	17,800 *	38.9	175.1	19,500 *	41.2	179.0	20,600 *	44.6	184.1	22,500 *	47.8	187.9	23,300	50.7	190.4	22,100				130
135	31.5	159.7	16,700 *	35.8	168.6	18,300 *	38.2	172.9	19,200 *	41.8	178.8	21,000 *	45.2	183.1	22,100	48.2	186.1	20,900				135
140	27.6	150.9	15,600 *	32.4	161.2	17,100 *	35.0	166.2	18,000 *	38.9	172.9	19,600 *	42.4	177.9	21,000	45.6	181.4	19,800				140
145	23.1	140.3	14,600 *	28.6	152.7	16,000 *	31.5	158.6	16,900 *	35.7	166.4	18,400 *	39.5	172.2	19,900	42.9	176.3	18,800	45.9	179.0	17,700	145
150	17.6	126.9	13,600 *	24.3	142.7	15,000 *	27.6	149.7	15,800 *	32.3	158.9	17,200 *	36.4	165.7	18,700 *	40.0	170.6	17,900	43.2	173.9	16,800	150
155	9.5	106.1	12,600 *	19.2	130.2	14,000 *	23.2	139.2	14,800 *	28.5	150.4	16,200 *	33.0	158.5	17,600 *	36.9	164.3	17,000	40.3	168.3	16,000	155
160				12.1	112.3	13,000 *	17.7	125.8	13,800 *	24.2	140.4	15,100 *	29.3	150.3	16,500 *	33.6	157.2	16,200	37.2	162.1	15,200	160
165							9.6	105.1	12,800 *	19.1	127.8	14,200 *	25.2	140.5	15,400 *	29.9	149.2	15,400	34.0	155.1	14,500	165
170										11.9	109.7	13,200 *	20.2	128.6	14,400 *	25.9	139.7	14,700	30.4	147.1	13,800	170
180																14.9	112.8	13,300	21.7	126.7	12,500	180
190																			5.1	84.6	11,300	190

Liftcrane Luffing Jib Capacities

**Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
Without Front Bumper Counterweight
360 Degree Rating On Fully Extended Outriggers**

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5



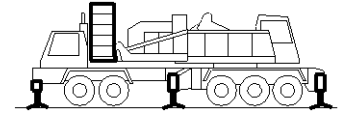
70 Ft. Boom, 160 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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	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	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	74.4	235.5	38,700 *																			50
55	72.6	234.1	36,900 *																			55
60	70.7	232.4	35,200 *																			60
65	68.8	230.6	33,400 *																			65
70	66.8	228.5	31,800 *	69.3	230.5	33,900 *																70
75	64.9	226.3	30,200 *	67.3	228.5	32,200 *																75
80	62.9	223.8	28,700 *	65.4	226.3	30,700 *	66.8	227.3	31,700 *													80
85	60.8	221.1	27,300 *	63.4	223.9	29,200 *	64.9	225.1	30,200 *													85
90	58.8	218.2	25,900 *	61.4	221.3	27,700 *	62.9	222.6	28,700 *													90
95	56.7	215.1	24,600 *	59.3	218.4	26,300 *	60.9	220.0	27,300 *													95
100	54.5	211.7	23,300 *	57.2	215.3	25,000 *	58.8	217.1	26,000 *	61.3	219.1	27,400 *										100
105	52.3	207.9	22,100 *	55.0	212.0	23,700 *	56.7	213.9	24,600 *	59.3	216.3	26,100 *										105
110	50.0	203.9	21,000 *	52.8	208.3	22,500 *	54.5	210.5	23,400 *	57.2	213.2	24,800 *										110
115	47.6	199.5	19,900 *	50.6	204.4	21,300 *	52.3	206.8	22,200 *	55.0	209.8	23,600 *	57.6	211.9	24,900 *							115
120	45.1	194.7	18,900 *	48.2	200.1	20,200 *	50.0	202.7	21,100 *	52.8	206.2	22,400 *	55.4	208.5	23,700 *							120
125	42.5	189.5	17,900 *	45.7	195.4	19,200 *	47.6	198.3	20,000 *	50.5	202.2	21,300 *	53.2	205.0	22,500 *							125
130	39.8	183.8	17,000 *	43.2	190.3	18,200 *	45.1	193.6	19,000 *	48.1	197.9	20,200 *	51.0	201.1	21,400 *							130
135	36.9	177.5	16,100 *	40.5	184.8	17,300 *	42.5	188.4	18,000 *	45.7	193.3	19,200 *	48.6	196.8	20,300 *	51.3	199.2	20,500				135
140	33.8	170.4	15,300 *	37.7	178.6	16,400 *	39.8	182.6	17,100 *	43.1	188.2	18,200 *	46.2	192.2	19,300 *	49.0	195.0	19,400				140
145	30.4	162.5	14,500 *	34.6	171.7	15,600 *	36.9	176.3	16,200 *	40.4	182.6	17,300 *	43.6	187.2	18,300 *	46.6	190.5	18,400				145
150	26.7	153.3	13,600 *	31.3	164.0	14,800 *	33.8	169.3	15,400 *	37.6	176.4	16,400 *	41.0	181.7	17,400 *	44.1	185.6	17,500	46.9	188.0	16,400	150
155	22.4	142.3	12,700 *	27.7	155.2	13,900 *	30.5	161.3	14,600 *	34.6	169.5	15,600 *	38.2	175.7	16,500 *	41.4	180.1	16,600	44.4	183.1	15,600	155
160	17.1	128.4	11,800 *	23.6	144.8	13,000 *	26.7	152.2	13,700 *	31.3	161.8	14,800 *	35.2	169.0	15,700 *	38.6	174.2	15,800	41.7	177.8	14,800	160
165	9.2	106.9	10,900 *	18.6	131.8	12,100 *	22.4	141.2	12,800 *	27.6	152.9	14,000 *	31.9	161.4	14,900 *	35.7	167.6	15,000	39.0	171.9	14,100	165
170				11.7	113.4	11,300 *	17.1	127.3	12,000 *	23.5	142.5	13,100 *	28.4	152.8	14,200 *	32.5	160.2	14,300	36.0	165.4	13,400	170
180										11.5	110.7	11,400 *	19.6	130.3	12,500 *	25.0	142.0	13,000	29.4	149.8	12,100	180
190																14.4	114.1	11,800	21.0	128.5	11,000	190
200																			4.9	85.0	10,000	200

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
 Boom No. 78T With Heavy Lift Top
 95,400 Lb. Crane Counterweight
 Without Front Bumper Counterweight
 360 Degree Rating On Fully Extended Outriggers

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5



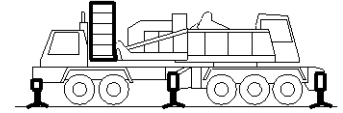
70 Ft. Boom, 170 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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	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	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	75.4	245.9	35,800 *																			50
55	73.6	244.5	34,100 *																			55
60	71.9	243.0	32,400 *																			60
65	70.1	241.2	30,800 *																			65
70	68.3	239.3	29,300 *	70.5	241.1	31,200 *																70
75	66.4	237.2	27,800 *	68.7	239.3	29,600 *																75
80	64.6	235.0	26,300 *	66.9	237.2	28,200 *																80
85	62.7	232.5	24,900 *	65.1	235.0	26,700 *	66.5	236.1	27,700 *													85
90	60.8	229.8	23,600 *	63.2	232.6	25,300 *	64.6	233.8	26,300 *													90
95	58.8	226.9	22,300 *	61.3	229.9	24,000 *	62.7	231.3	24,900 *													95
100	56.9	223.8	21,100 *	59.4	227.1	22,700 *	60.8	228.6	23,600 *													100
105	54.8	220.4	20,000 *	57.4	224.0	21,500 *	58.9	225.7	22,400 *	61.2	227.8	23,800 *										105
110	52.7	216.7	18,900 *	55.3	220.7	20,300 *	56.9	222.6	21,200 *	59.3	225.0	22,600 *										110
115	50.6	212.7	17,900 *	53.3	217.1	19,200 *	54.8	219.2	20,000 *	57.3	221.9	21,400 *										115
120	48.4	208.5	16,900 *	51.1	213.2	18,200 *	52.7	215.5	19,000 *	55.3	218.5	20,200 *	57.7	220.5	21,400 *							120
125	46.1	203.8	15,900 *	48.9	209.0	17,200 *	50.6	211.6	17,900 *	53.2	214.9	19,200 *	55.7	217.2	20,300 *							125
130	43.7	198.8	15,000 *	46.7	204.5	16,200 *	48.4	207.3	16,900 *	51.1	211.1	18,100 *	53.6	213.7	19,300 *							130
135	41.2	193.3	14,200 *	44.3	199.6	15,300 *	46.1	202.7	16,000 *	48.9	206.9	17,100 *	51.5	209.9	18,200 *							135
140	38.5	187.4	13,400 *	41.8	194.2	14,500 *	43.7	197.7	15,100 *	46.6	202.3	16,200 *	49.3	205.7	17,300 *	51.9	208.0	18,200 *				140
145	35.8	180.8	12,700 *	39.2	188.4	13,600 *	41.2	192.2	14,300 *	44.3	197.4	15,300 *	47.1	201.3	16,300 *	49.7	203.9	17,300 *				145
150	32.8	173.4	11,900 *	36.5	181.9	12,900 *	38.6	186.2	13,400 *	41.8	192.0	14,400 *	44.7	196.4	15,400 *	47.4	199.5	16,400 *				150
155	29.5	165.1	11,100 *	33.6	174.8	12,100 *	35.8	179.6	12,700 *	39.2	186.2	13,600 *	42.3	191.2	14,600 *	45.1	194.7	15,500 *	47.7	197.0	15,300	155
160	25.9	155.6	10,300 *	30.4	166.8	11,400 *	32.8	172.3	12,000 *	36.4	179.7	12,900 *	39.7	185.4	13,800 *	42.7	189.5	14,700 *	45.4	192.3	14,500	160
165	21.7	144.3	9,500 *	26.9	157.6	10,500 *	29.5	164.0	11,100 *	33.5	172.6	12,100 *	37.0	179.1	13,000 *	40.1	183.9	13,800 *	43.0	187.1	13,800	165
170	16.6	129.9	8,800 *	22.8	146.8	9,700 *	25.9	154.5	10,300 *	30.3	164.5	11,300 *	34.1	172.1	12,300 *	37.4	177.6	13,100 *	40.4	181.5	13,100	170
180				11.4	114.4	8,300 *	16.6	128.8	8,800 *	22.8	144.5	9,700 *	27.5	155.3	10,600 *	31.5	163.1	11,700 *	34.9	168.6	11,900	180
190										11.2	111.7	8,300 *	19.0	132.0	9,100 *	24.3	144.2	10,000 *	28.5	152.4	10,700	190
200																14.0	115.3	8,500 *	20.3	130.4	9,300 *	200
210																			4.8	85.5	8,000 *	210

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
Without Front Bumper Counterweight
360 Degree Rating On Fully Extended Outriggers

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5



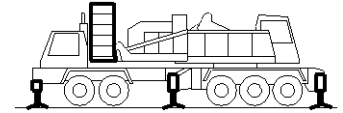
80 Ft. Boom, 70 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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	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	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
30	71.2	157.7	104,500 *b																			30
35	66.8	155.7	99,800 *b																			35
40	62.2	153.4	94,500 *b	68.7	156.0	102,600 *b																40
45	57.5	150.5	85,800 *	64.2	153.8	98,100 *b	68.0	155.0	100,800 *b													45
50	52.5	147.0	74,500 *	59.6	151.1	92,100 *	63.5	152.7	93,500 *b													50
55	47.2	142.7	65,500 *	54.7	147.9	79,300 *	58.9	150.0	83,900													55
60	41.3	137.6	58,300 *	49.5	144.0	69,400 *	54.0	146.7	74,700	60.8	149.5	71,400										60
65	34.6	131.2	52,300 *	43.9	139.3	61,500 *	48.7	142.7	67,300	56.0	146.4	64,300										65
70	26.6	122.7	47,100 *	37.6	133.5	55,000 *	43.0	137.8	60,600 *	50.9	142.7	58,400	57.8	145.4	55,700							70
75	15.0	109.6	40,200 *	30.3	126.1	49,500 *	36.6	131.8	54,300 *	45.4	138.2	53,400	52.8	141.9	50,900							75
80				20.8	115.6	44,700 *	29.1	124.1	48,900 *	39.3	132.7	49,100	47.4	137.7	46,800							80
85							19.0	112.9	44,200 *	32.3	125.8	45,400	41.6	132.6	43,300	49.2	136.3	41,200				85
90										23.5	116.4	42,100	35.0	126.3	40,200	43.5	131.6	38,200				90
95										8.8	99.1	39,200	27.0	118.0	37,400	37.2	125.7	35,600	45.1	129.5	33,900	95
100													15.8	105.2	34,900	29.8	118.1	33,300	39.0	124.0	31,600	100
105																20.1	107.4	31,200	31.9	117.0	29,600	105
110																			23.1	107.4	27,800	110
115																			7.5	89.0	26,100	115

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
 Boom No. 78T With Heavy Lift Top
 95,400 Lb. Crane Counterweight
 Without Front Bumper Counterweight
 360 Degree Rating On Fully Extended Outriggers

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5



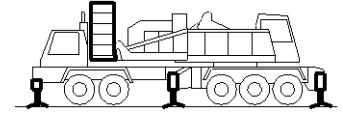
80 Ft. Boom, 80 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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	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	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
30	73.6	168.2	95,800 *b																			30
35	69.8	166.5	91,700 *b																			35
40	65.9	164.5	87,900 *																			40
45	62.0	162.0	84,400 *	67.6	164.7	90,100 *b																45
50	57.8	159.1	74,600 *	63.7	162.5	86,700 *	67.1	163.7	89,500 *b													50
55	53.5	155.7	65,600 *	59.6	159.8	79,400 *	63.1	161.4	83,500													55
60	48.9	151.7	58,400 *	55.4	156.6	69,500 *	59.0	158.7	74,400													60
65	43.9	146.9	52,500 *	50.9	152.9	61,600 *	54.7	155.4	67,000	60.7	158.2	63,900										65
70	38.5	141.2	47,500 *	46.1	148.4	55,100 *	50.2	151.6	60,700 *	56.5	155.1	58,000										70
75	32.3	134.2	43,100 *	40.9	143.2	49,700 *	45.4	147.0	54,400 *	52.1	151.5	53,000	58.0	154.0	50,500							75
80	24.8	125.0	39,400 *	35.1	136.8	45,100 *	40.1	141.6	49,100 *	47.4	147.3	48,700	53.7	150.7	46,400							80
85	14.1	110.8	34,000 *	28.3	128.7	41,100 *	34.2	135.0	44,600 *	42.3	142.3	45,000	49.1	146.7	42,900							85
90				19.4	117.4	37,500 *	27.2	126.6	40,700 *	36.7	136.2	41,800	44.2	142.0	39,800	50.6	145.2	37,800				90
95							17.8	114.5	37,100 *	30.1	128.6	38,900	38.8	136.3	37,100	45.8	140.7	35,200				95
100										22.0	118.4	36,400	32.7	129.4	34,600	40.6	135.4	32,900	47.1	138.6	31,200	100
105										8.2	99.8	34,000	25.3	120.3	32,500	34.7	128.9	30,800	42.0	133.5	29,200	105
110													14.8	106.6	30,500	27.8	120.7	28,900	36.4	127.4	27,400	110
115																18.8	109.1	27,200	29.8	119.7	25,800	115
120																			21.6	109.3	24,300	120
125																			7.0	89.7	22,900	125

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
Without Front Bumper Counterweight
360 Degree Rating On Fully Extended Outriggers

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5



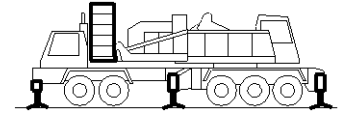
80 Ft. Boom, 90 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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	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	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
30	75.5	178.5	86,000 *b																			30
35	72.1	177.1	82,100 *b																			35
40	68.8	175.3	78,100 *																			40
45	65.3	173.2	74,500 *	70.2	175.5	80,200 *b																45
50	61.7	170.7	71,200 *	66.8	173.5	76,500 *																50
55	58.1	167.8	66,200 *	63.3	171.2	73,200 *	66.3	172.5	76,000 *													55
60	54.2	164.4	58,900 *	59.7	168.4	70,100 *	62.8	170.1	72,700 *													60
65	50.2	160.6	52,900 *	55.9	165.3	62,100 *	59.1	167.3	66,700													65
70	45.9	156.1	47,800 *	52.0	161.7	55,600 *	55.3	164.1	60,600	60.6	166.8	57,700										70
75	41.3	150.8	43,500 *	47.8	157.4	50,100 *	51.4	160.4	54,800 *	56.9	163.8	52,700										75
80	36.2	144.6	39,800 *	43.4	152.5	45,500 *	47.2	156.1	49,500 *	53.0	160.3	48,500										80
85	30.4	137.0	36,500 *	38.5	146.8	41,500 *	42.7	151.1	45,000 *	48.9	156.2	44,800	54.4	159.4	42,600							85
90	23.4	127.1	33,600 *	33.0	139.8	38,100 *	37.7	145.1	41,100 *	44.5	151.5	41,600	50.4	155.5	39,500							90
95	13.3	112.0	29,200 *	26.6	131.1	35,000 *	32.2	138.0	37,700 *	39.8	146.0	38,700	46.1	151.1	36,800	51.7	154.0	34,900				95
100				18.3	119.0	32,200 *	25.6	128.9	34,700 *	34.5	139.4	36,200	41.6	145.9	34,400	47.6	149.8	32,600				100
105							16.7	116.0	31,900 *	28.4	131.2	34,000	36.5	139.7	32,200	43.1	144.8	30,600				105
110										20.7	120.3	31,900	30.7	132.2	30,300	38.2	139.0	28,700	44.3	142.8	27,200	110
115										7.7	100.5	30,000	23.8	122.5	28,500	32.7	132.0	27,000	39.5	137.2	25,600	115
120													13.9	107.8	26,900	26.2	123.1	25,500	34.2	130.6	24,100	120
125																17.7	110.7	24,100	28.1	122.3	22,800	125
130																			20.3	111.2	21,500	130
135																			6.6	90.3	20,300	135

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
 Boom No. 78T With Heavy Lift Top
 95,400 Lb. Crane Counterweight
 Without Front Bumper Counterweight
 360 Degree Rating On Fully Extended Outriggers

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5



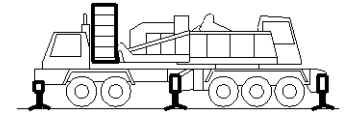
80 Ft. Boom, 100 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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	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	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
35	74.0	187.5	76,200 *b																			35
40	71.0	185.9	73,000 *																			40
45	67.9	184.1	69,500 *																			45
50	64.8	181.9	66,200 *	69.2	184.3	71,300 *																50
55	61.6	179.4	63,200 *	66.1	182.2	68,000 *																55
60	58.3	176.5	58,800 *	63.0	179.8	65,000 *	65.7	181.2	67,500 *													60
65	54.8	173.2	52,800 *	59.7	177.1	62,000 *	62.5	178.8	64,500 *													65
70	51.2	169.4	47,800 *	56.3	174.0	55,500 *	59.2	176.0	60,200													70
75	47.5	165.1	43,500 *	52.8	170.4	50,000 *	55.8	172.8	54,700 *	60.5	175.5	52,300										75
80	43.4	160.2	39,800 *	49.1	166.4	45,400 *	52.3	169.2	49,400 *	57.2	172.5	48,100										80
85	39.1	154.5	36,600 *	45.2	161.7	41,500 *	48.6	165.0	44,900 *	53.7	169.0	44,400										85
90	34.3	147.8	33,700 *	41.0	156.4	38,100 *	44.6	160.3	41,000 *	50.1	165.1	41,200	55.0	168.1	39,100							90
95	28.8	139.6	31,100 *	36.4	150.2	35,000 *	40.4	154.8	37,700 *	46.2	160.6	38,400	51.4	164.4	36,400							95
100	22.2	129.2	28,800 *	31.3	142.7	32,400 *	35.7	148.5	34,700 *	42.1	155.5	35,900	47.7	160.1	34,000	52.6	162.8	32,200				100
105	12.6	113.2	25,200 *	25.3	133.4	29,900 *	30.5	140.8	32,100 *	37.6	149.5	33,600	43.7	155.2	31,900	48.9	158.7	30,100				105
110				17.4	120.6	27,700 *	24.2	131.1	29,700 *	32.7	142.4	31,600	39.3	149.6	29,900	45.0	154.0	28,300				110
115							15.9	117.4	27,400 *	26.9	133.7	29,700	34.6	142.9	28,200	40.8	148.6	26,600	46.0	151.9	25,100	115
120										19.6	122.0	28,100	29.1	134.9	26,600	36.2	142.3	25,100	41.9	146.8	23,700	120
125										7.3	101.2	26,200 *	22.6	124.5	25,100	31.0	134.8	23,700	37.4	140.7	22,400	125
130													13.2	109.0	23,700	24.8	125.4	22,400	32.4	133.6	21,100	130
135																16.8	112.2	21,200	26.6	124.7	20,000	135
140																			19.3	112.9	19,000	140
145																			6.2	90.8	18,000	145

Liftcrane Luffing Jib Capacities

**Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
Without Front Bumper Counterweight
360 Degree Rating On Fully Extended Outriggers**

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5



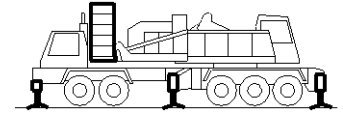
80 Ft. Boom, 110 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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	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	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
35	75.5	197.9	70,700 *b																			35
40	72.8	196.5	67,700 *																			40
45	70.0	194.8	64,700 *																			45
50	67.2	192.8	62,000 *																			50
55	64.4	190.6	59,200 *	68.4	193.1	63,500 *																55
60	61.4	188.0	56,600 *	65.6	190.9	60,800 *	68.0	192.1	62,900 *													60
65	58.4	185.1	52,900 *	62.7	188.5	58,100 *	65.2	189.9	60,300 *													65
70	55.3	181.9	47,900 *	59.7	185.8	55,600 *	62.3	187.4	57,700 *													70
75	52.1	178.2	43,600 *	56.7	182.7	50,100 *	59.3	184.6	54,800 *													75
80	48.7	174.1	39,900 *	53.5	179.2	45,600 *	56.2	181.5	49,500 *	60.5	184.2	48,000										80
85	45.1	169.4	36,700 *	50.2	175.2	41,600 *	53.0	177.9	45,000 *	57.5	181.1	44,400										85
90	41.3	164.1	33,900 *	46.7	170.8	38,200 *	49.7	173.9	41,200 *	54.3	177.8	41,100										90
95	37.2	157.9	31,400 *	43.0	165.8	35,200 *	46.2	169.4	37,800 *	51.0	173.9	38,300	55.5	176.8	36,300							95
100	32.7	150.8	29,200 *	39.0	160.0	32,600 *	42.4	164.3	34,900 *	47.6	169.6	35,800	52.2	173.1	33,900							100
105	27.5	142.1	27,100 *	34.7	153.4	30,200 *	38.4	158.4	32,300 *	44.0	164.8	33,600	48.9	169.0	31,800							105
110	21.1	131.1	25,200 *	29.8	145.4	28,100 *	34.0	151.6	30,000 *	40.1	159.2	31,600	45.3	164.4	29,900	50.0	167.6	28,200				110
115	12.0	114.3	22,200 *	24.1	135.6	26,100 *	29.0	143.4	27,900 *	35.8	152.8	29,700	41.5	159.1	28,100	46.5	163.1	26,600				115
120				16.6	122.1	24,300 *	23.1	133.2	25,900 *	31.1	145.3	28,100	37.4	153.0	26,500	42.8	158.0	25,100	47.4	161.0	23,600	120
125							15.1	118.8	24,100 *	25.6	136.0	26,500	32.9	145.9	25,100	38.8	152.3	23,700	43.8	156.1	22,300	125
130										18.7	123.7	24,900 *	27.7	137.4	23,800	34.4	145.5	22,400	39.9	150.5	21,100	130
135										7.0	101.8	23,100 *	21.5	126.5	22,500	29.5	137.5	21,200	35.6	144.0	20,000	135
140													12.6	110.2	21,400	23.7	127.5	20,100	30.9	136.4	19,000	140
145																16.0	113.6	19,100	25.4	127.0	18,000	145
150																			18.3	114.6	17,100	150
155																			5.9	91.3	16,200	155

Liftcrane Luffing Jib Capacities

**Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
Without Front Bumper Counterweight
360 Degree Rating On Fully Extended Outriggers**

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5



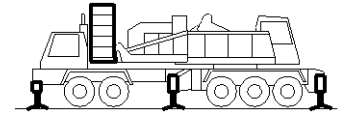
80 Ft. Boom, 120 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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	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	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
40	74.2	206.9	62,800 *																			40
45	71.7	205.4	60,000 *																			45
50	69.2	203.6	57,300 *																			50
55	66.6	201.6	54,800 *	70.3	203.7	58,600 *																55
60	64.0	199.3	52,400 *	67.7	201.8	56,100 *																60
65	61.3	196.7	50,100 *	65.1	199.6	53,700 *	67.4	200.8	55,500 *													65
70	58.6	193.8	47,700 *	62.5	197.2	51,400 *	64.8	198.6	53,200 *													70
75	55.7	190.6	43,400 *	59.8	194.4	49,200 *	62.1	196.1	51,100 *													75
80	52.8	187.0	39,800 *	57.0	191.3	45,400 *	59.3	193.3	48,900 *													80
85	49.7	182.9	36,600 *	54.1	187.9	41,400 *	56.5	190.2	44,800 *	60.4	192.8	44,000										85
90	46.5	178.5	33,800 *	51.0	184.1	38,000 *	53.6	186.7	41,000 *	57.7	189.8	40,800										90
95	43.1	173.4	31,300 *	47.9	179.8	35,100 *	50.6	182.8	37,700 *	54.8	186.5	38,000										95
100	39.5	167.7	29,000 *	44.6	175.0	32,400 *	47.4	178.4	34,700 *	51.8	182.8	35,500	55.9	185.5	33,500							100
105	35.6	161.2	27,000 *	41.1	169.6	30,100 *	44.1	173.6	32,100 *	48.7	178.6	33,200	52.9	181.9	31,400							105
110	31.2	153.6	25,200 *	37.3	163.5	28,000 *	40.5	168.1	29,800 *	45.5	173.9	31,200	49.9	177.9	29,500							110
115	26.3	144.5	23,500 *	33.2	156.4	26,100 *	36.7	161.8	27,800 *	42.0	168.7	29,400	46.7	173.5	27,700	50.9	176.4	26,100				115
120	20.2	132.9	21,900 *	28.5	148.0	24,300 *	32.5	154.6	25,900 *	38.3	162.8	27,700	43.3	168.5	26,200	47.7	172.1	24,600				120
125	11.5	115.3	19,300 *	23.0	137.7	22,700 *	27.8	146.0	24,100 *	34.3	156.0	26,200	39.7	162.8	24,700	44.4	167.3	23,300				125
130				15.8	123.5	21,200 *	22.1	135.2	22,500 *	29.8	148.0	24,800	35.8	156.3	23,400	40.9	161.9	22,000	45.3	165.2	20,700	130
135							14.5	120.1	21,000 *	24.5	138.2	23,300 *	31.5	148.8	22,200	37.1	155.7	20,900	41.8	160.0	19,600	135
140										17.9	125.3	21,700 *	26.5	139.8	21,000	32.9	148.5	19,800	38.1	154.0	18,500	140
145										6.7	102.4	20,100 *	20.6	128.3	20,000	28.2	140.1	18,800	34.1	147.2	17,600	145
150													12.1	111.2	19,000	22.7	129.6	17,800	29.5	139.1	16,700	150
155																15.3	115.0	17,000	24.3	129.2	15,900	155
160																			17.6	116.2	15,100	160
165																			5.7	91.9	14,300	165

Liftcrane Luffing Jib Capacities

**Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
Without Front Bumper Counterweight
360 Degree Rating On Fully Extended Outriggers**

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5



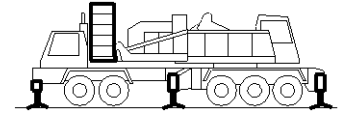
80 Ft. Boom, 130 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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	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	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
40	75.5	217.3	49,900 *																			40
45	73.2	215.9	48,800 *																			45
50	70.9	214.2	47,800 *																			50
55	68.5	212.4	46,800 *																			55
60	66.1	210.3	44,900 *	69.5	212.6	47,500 *																60
65	63.7	208.0	43,000 *	67.2	210.6	45,900 *																65
70	61.2	205.3	41,100 *	64.8	208.3	44,000 *	66.8	209.6	45,400 *													70
75	58.7	202.5	39,300 *	62.3	205.9	42,100 *	64.4	207.3	43,600 *													75
80	56.0	199.3	37,700 *	59.8	203.1	40,300 *	61.9	204.8	41,800 *													80
85	53.3	195.7	36,100 *	57.2	200.0	38,600 *	59.4	202.0	40,000 *	62.9	204.2	42,100 *										85
90	50.5	191.8	33,900 *	54.5	196.6	37,000 *	56.8	198.9	38,400 *	60.4	201.5	40,400 *										90
95	47.6	187.5	31,400 *	51.8	192.9	35,200 *	54.1	195.4	36,800 *	57.8	198.5	37,700										95
100	44.6	182.7	29,100 *	48.9	188.7	32,600 *	51.4	191.6	34,900 *	55.2	195.2	35,200										100
105	41.3	177.3	27,100 *	45.9	184.1	30,200 *	48.5	187.4	32,300 *	52.5	191.5	32,900	56.2	194.2	31,100							105
110	37.9	171.2	25,300 *	42.8	179.0	28,100 *	45.5	182.7	29,900 *	49.6	187.5	30,900	53.5	190.7	29,200							110
115	34.1	164.4	23,600 *	39.4	173.3	26,100 *	42.3	177.5	27,800 *	46.7	183.0	29,100	50.7	186.8	27,500							115
120	30.0	156.4	22,100 *	35.8	166.8	24,400 *	38.9	171.7	25,900 *	43.6	178.0	27,500	47.8	182.5	25,900	51.6	185.2	24,300				120
125	25.2	146.8	20,600 *	31.8	159.3	22,800 *	35.2	165.1	24,200 *	40.3	172.5	26,000	44.7	177.7	24,400	48.7	181.1	23,000				125
130	19.4	134.6	19,300 *	27.4	150.5	21,300 *	31.2	157.4	22,700 *	36.7	166.2	24,600	41.5	172.3	23,100	45.7	176.4	21,700				130
135	11.0	116.3	17,000 *	22.1	139.7	20,000 *	26.7	148.4	21,200 *	32.9	159.0	23,300	38.1	166.3	21,900	42.6	171.3	20,600	46.5	174.3	19,300	135
140				15.2	124.9	18,600 *	21.2	137.1	19,800 *	28.6	150.6	21,900 *	34.3	159.5	20,800	39.2	165.5	19,500	43.4	169.3	18,300	140
145							13.9	121.3	18,500 *	23.5	140.3	20,500 *	30.2	151.6	19,800	35.6	159.0	18,500	40.1	163.7	17,300	145
150										17.2	126.9	19,100 *	25.5	142.1	18,800	31.6	151.4	17,600	36.6	157.4	16,400	150
155										6.4	103.0	17,800 *	19.8	130.1	17,900	27.1	142.5	16,700	32.7	150.2	15,600	155
160													11.6	112.3	17,000	21.8	131.5	15,900	28.4	141.7	14,900	160
165																14.7	116.3	15,100	23.3	131.3	14,100	165
170																			16.9	117.7	13,400	170

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
 Boom No. 78T With Heavy Lift Top
 95,400 Lb. Crane Counterweight
 Without Front Bumper Counterweight
 360 Degree Rating On Fully Extended Outriggers

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5



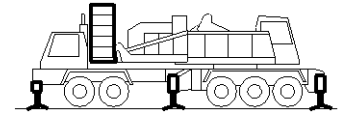
80 Ft. Boom, 140 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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	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	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	74.4	226.3	45,800 *																			45
50	72.3	224.8	44,900 *																			50
55	70.1	223.1	43,300 *																			55
60	67.9	221.2	41,400 *																			60
65	65.7	219.0	39,500 *	68.9	221.4	42,300 *																65
70	63.4	216.6	37,800 *	66.7	219.3	40,400 *																70
75	61.1	214.0	36,100 *	64.4	217.0	38,700 *	66.3	218.3	40,000 *													75
80	58.8	211.1	34,400 *	62.1	214.5	36,900 *	64.1	216.0	38,300 *													80
85	56.3	207.9	32,900 *	59.8	211.7	35,300 *	61.8	213.4	36,700 *													85
90	53.8	204.4	31,400 *	57.4	208.7	33,700 *	59.4	210.6	35,100 *	62.7	212.8	36,900 *										90
95	51.3	200.6	30,100 *	54.9	205.3	32,200 *	57.0	207.5	33,500 *	60.4	210.1	35,400 *										95
100	48.6	196.4	28,700 *	52.4	201.7	30,800 *	54.6	204.1	32,000 *	58.0	207.2	34,000 *										100
105	45.8	191.8	26,900 *	49.8	197.6	29,500 *	52.0	200.4	30,600 *	55.6	203.9	32,500 *										105
110	42.9	186.7	25,000 *	47.0	193.2	27,800 *	49.4	196.3	29,300 *	53.0	200.3	30,600	56.5	202.9	28,800							110
115	39.8	181.0	23,400 *	44.2	188.3	25,900 *	46.6	191.8	27,600 *	50.4	196.3	28,800	54.0	199.4	27,100							115
120	36.5	174.6	21,900 *	41.1	182.9	24,200 *	43.7	186.8	25,700 *	47.7	192.0	27,100	51.4	195.6	25,500							120
125	32.9	167.4	20,500 *	37.9	176.8	22,600 *	40.7	181.3	24,000 *	44.9	187.2	25,600	48.7	191.4	24,100	52.2	194.0	22,600				125
130	28.9	159.0	19,200 *	34.5	170.0	21,200 *	37.4	175.1	22,500 *	41.9	181.9	24,200	45.9	186.8	22,800	49.6	190.0	21,300				130
135	24.3	149.0	18,000 *	30.6	162.1	19,800 *	33.9	168.2	21,000 *	38.8	176.1	22,900	43.0	181.7	21,500	46.9	185.5	20,200				135
140	18.7	136.3	16,800 *	26.4	152.9	18,600 *	30.0	160.2	19,700 *	35.4	169.4	21,700 *	39.9	176.0	20,400	44.0	180.6	19,100	47.6	183.3	17,800	140
145	10.6	117.2	14,800 *	21.3	141.6	17,400 *	25.7	150.7	18,500 *	31.6	161.9	20,300 *	36.6	169.7	19,400	40.9	175.1	18,100	44.8	178.5	16,900	145
150				14.7	126.2	16,300 *	20.4	139.0	17,300 *	27.5	153.1	19,000 *	33.0	162.5	18,400	37.7	169.0	17,200	41.8	173.2	16,000	150
155							13.4	122.5	16,200 *	22.7	142.4	17,900 *	29.1	154.2	17,500	34.2	162.1	16,400	38.6	167.3	15,200	155
160										16.6	128.4	16,700 *	24.5	144.3	16,700	30.4	154.2	15,600	35.2	160.6	14,500	160
165										6.2	103.5	15,500 *	19.0	131.8	15,900	26.1	144.9	14,800	31.5	153.0	13,800	165
170													11.2	113.3	15,100	21.0	133.4	14,100	27.3	144.2	13,100	170
180																			16.2	119.1	11,800	180

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
 Boom No. 78T With Heavy Lift Top
 95,400 Lb. Crane Counterweight
 Without Front Bumper Counterweight
 360 Degree Rating On Fully Extended Outriggers

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5



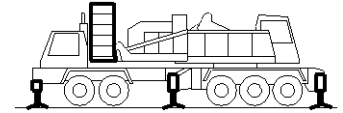
80 Ft. Boom, 150 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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	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	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	75.5	236.6	42,900 *																			45
50	73.5	235.2	42,000 *																			50
55	71.5	233.7	40,100 *																			55
60	69.5	231.9	38,300 *																			60
65	67.4	229.9	36,600 *	70.3	232.0	39,100 *																65
70	65.3	227.7	34,900 *	68.3	230.1	37,300 *																70
75	63.2	225.3	33,200 *	66.2	228.0	35,700 *	68.0	229.2	36,900 *													75
80	61.1	222.7	31,700 *	64.1	225.7	34,000 *	65.9	227.0	35,300 *													80
85	58.8	219.8	30,200 *	62.0	223.2	32,500 *	63.8	224.7	33,700 *													85
90	56.6	216.6	28,800 *	59.8	220.4	31,000 *	61.7	222.1	32,200 *													90
95	54.3	213.2	27,400 *	57.6	217.4	29,600 *	59.5	219.3	30,800 *	62.5	221.5	32,500 *										95
100	51.9	209.4	26,200 *	55.3	214.0	28,100 *	57.2	216.2	29,300 *	60.4	218.8	31,100 *										100
105	49.4	205.3	24,900 *	52.9	210.4	26,800 *	54.9	212.8	28,000 *	58.1	215.8	29,700 *										105
110	46.8	200.8	23,800 *	50.5	206.5	25,600 *	52.6	209.2	26,700 *	55.9	212.6	28,400 *										110
115	44.2	195.9	22,700 *	48.0	202.2	24,400 *	50.1	205.2	25,400 *	53.5	209.0	27,100 *	56.7	211.6	26,900							115
120	41.3	190.5	21,700 *	45.3	197.4	23,300 *	47.6	200.8	24,300 *	51.1	205.2	25,900 *	54.4	208.1	25,400							120
125	38.4	184.5	20,500 *	42.6	192.3	22,200 *	44.9	196.0	23,200 *	48.6	201.0	24,700 *	52.0	204.4	23,900							125
130	35.2	177.8	19,200 *	39.7	186.5	21,200 *	42.2	190.8	22,100 *	46.0	196.3	23,600 *	49.5	200.3	22,600	52.8	202.8	21,200				130
135	31.7	170.3	18,000 *	36.6	180.2	19,900 *	39.2	184.9	21,000 *	43.3	191.3	22,500 *	47.0	195.8	21,400	50.3	198.8	20,000				135
140	27.9	161.5	16,900 *	33.3	173.0	18,600 *	36.1	178.5	19,700 *	40.4	185.7	21,500 *	44.3	190.9	20,300	47.8	194.5	19,000				140
145	23.5	151.1	15,900 *	29.6	164.8	17,500 *	32.7	171.2	18,500 *	37.4	179.5	20,300 *	41.5	185.6	19,300	45.2	189.7	18,000				145
150	18.1	137.9	14,900 *	25.5	155.2	16,400 *	29.0	162.8	17,400 *	34.1	172.6	19,100 *	38.5	179.6	18,300	42.4	184.5	17,100	45.9	187.6	15,900	150
155	10.3	118.1	13,100 *	20.6	143.4	15,400 *	24.8	153.0	16,300 *	30.5	164.7	17,900 *	35.3	173.0	17,400	39.5	178.8	16,200	43.2	182.6	15,100	155
160				14.2	127.5	14,400 *	19.7	140.7	15,300 *	26.5	155.5	16,800 *	31.9	165.4	16,600	36.4	172.3	15,500	40.3	177.0	14,400	160
165							13.0	123.7	14,300 *	21.9	144.4	15,800 *	28.1	156.8	15,800	33.0	165.1	14,700	37.2	170.7	13,600	165
170										16.0	129.8	14,800 *	23.7	146.5	15,100	29.4	156.9	14,000	34.0	163.7	13,000	170
180													10.8	114.2	13,700	20.2	135.2	12,700	26.4	146.5	11,800	180
190																			15.7	120.5	10,700	190

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
 Boom No. 78T With Heavy Lift Top
 95,400 Lb. Crane Counterweight
 Without Front Bumper Counterweight
 360 Degree Rating On Fully Extended Outriggers

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5



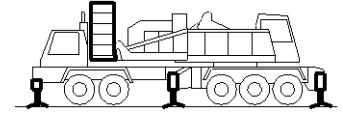
80 Ft. Boom, 160 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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	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	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	74.6	245.6	38,600 *																			50
55	72.7	244.2	36,800 *																			55
60	70.8	242.5	35,100 *																			60
65	68.9	240.7	33,400 *																			65
70	67.0	238.7	31,800 *	69.7	240.8	34,100 *																70
75	65.0	236.4	30,300 *	67.8	238.9	32,500 *																75
80	63.0	234.0	28,800 *	65.9	236.8	31,000 *	67.5	237.9	32,100 *													80
85	61.0	231.3	27,300 *	63.9	234.4	29,500 *	65.6	235.7	30,700 *													85
90	58.9	228.4	26,000 *	61.9	231.9	28,000 *	63.6	233.4	29,200 *													90
95	56.8	225.3	24,600 *	59.8	229.1	26,600 *	61.6	230.8	27,800 *													95
100	54.6	221.9	23,400 *	57.7	226.0	25,300 *	59.5	227.9	26,400 *	62.4	230.2	28,100 *										100
105	52.4	218.2	22,200 *	55.6	222.7	24,000 *	57.4	224.9	25,100 *	60.3	227.5	26,800 *										105
110	50.1	214.2	21,100 *	53.4	219.2	22,800 *	55.3	221.5	23,800 *	58.3	224.5	25,500 *										110
115	47.7	209.8	20,000 *	51.1	215.3	21,600 *	53.0	217.9	22,600 *	56.1	221.3	24,300 *										115
120	45.3	205.1	19,000 *	48.8	211.1	20,500 *	50.8	214.0	21,500 *	53.9	217.8	23,100 *	56.9	220.2	24,500 *							120
125	42.7	199.9	18,000 *	46.3	206.5	19,500 *	48.4	209.8	20,400 *	51.7	214.0	21,900 *	54.7	216.8	23,300 *							125
130	40.0	194.2	17,100 *	43.8	201.5	18,500 *	46.0	205.1	19,300 *	49.4	209.9	20,800 *	52.5	213.2	22,200 *							130
135	37.1	187.9	16,200 *	41.2	196.1	17,500 *	43.4	200.1	18,400 *	47.0	205.4	19,700 *	50.2	209.2	21,100 *							135
140	34.0	180.9	15,400 *	38.4	190.1	16,700 *	40.8	194.5	17,400 *	44.5	200.5	18,800 *	47.9	204.8	19,900 *	51.0	207.6	18,600 *				140
145	30.7	173.1	14,600 *	35.4	183.4	15,800 *	37.9	188.4	16,500 *	41.9	195.2	17,800 *	45.4	200.1	18,900 *	48.6	203.4	17,600 *				145
150	27.0	164.0	13,900 *	32.2	175.9	15,000 *	34.9	181.7	15,700 *	39.1	189.3	16,900 *	42.8	194.9	18,000 *	46.2	198.8	16,700 *				150
155	22.7	153.2	13,300 *	28.6	167.4	14,300 *	31.7	174.1	14,900 *	36.2	182.8	16,100 *	40.1	189.3	17,100 *	43.7	193.8	15,900 *	46.9	196.7	14,700 *	155
160	17.5	139.5	12,700 *	24.6	157.4	13,600 *	28.1	165.4	14,200 *	33.0	175.6	15,200 *	37.3	183.0	16,200 *	41.0	188.3	15,100 *	44.4	191.8	14,000 *	160
165	9.9	119.0	11,400 *	19.9	145.2	13,000 *	24.0	155.1	13,500 *	29.6	167.3	14,500 *	34.2	176.1	15,500 *	38.2	182.3	14,300 *	41.7	186.4	13,200 *	165
170				13.7	128.7	12,500 *	19.1	142.5	12,900 *	25.7	157.8	13,800 *	30.9	168.2	14,700 *	35.2	175.6	13,600 *	39.0	180.6	12,600 *	170
180										15.5	131.2	12,600 *	22.9	148.5	13,400 *	28.4	159.4	12,400 *	32.9	166.7	11,400 *	180
190													10.4	115.2	12,200 *	19.6	137.0	11,200 *	25.5	148.8	10,300 *	190
200																			15.2	121.9	9,300 *	200

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
Without Front Bumper Counterweight
360 Degree Rating On Fully Extended Outriggers

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5



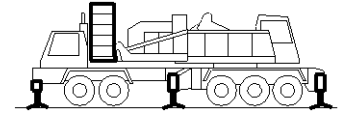
80 Ft. Boom, 170 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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	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	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	75.5	256.0	35,600 *																			50
55	73.7	254.6	34,000 *																			55
60	72.0	253.1	32,400 *																			60
65	70.2	251.4	30,800 *																			65
70	68.4	249.5	29,300 *	71.0	251.5	31,400 *																70
75	66.6	247.4	27,800 *	69.2	249.7	29,900 *																75
80	64.7	245.1	26,400 *	67.4	247.7	28,400 *																80
85	62.8	242.7	25,000 *	65.5	245.5	27,000 *	67.1	246.7	28,100 *													85
90	60.9	240.0	23,700 *	63.7	243.1	25,600 *	65.2	244.4	26,700 *													90
95	59.0	237.1	22,400 *	61.8	240.5	24,300 *	63.4	242.0	25,400 *													95
100	57.0	234.0	21,200 *	59.8	237.7	23,000 *	61.5	239.4	24,100 *													100
105	55.0	230.6	20,100 *	57.9	234.7	21,800 *	59.5	236.6	22,800 *	62.2	238.9	24,400 *										105
110	52.9	227.0	19,000 *	55.8	231.4	20,600 *	57.6	233.5	21,600 *	60.3	236.1	23,200 *										110
115	50.7	223.0	17,900 *	53.8	227.9	19,500 *	55.5	230.2	20,500 *	58.4	233.2	22,000 *										115
120	48.5	218.8	16,900 *	51.7	224.1	18,400 *	53.5	226.7	19,400 *	56.4	230.0	20,800 *										120
125	46.2	214.2	16,000 *	49.5	220.0	17,400 *	51.3	222.8	18,300 *	54.3	226.5	19,700 *	57.1	228.9	21,000 *							125
130	43.8	209.2	15,100 *	47.2	215.6	16,500 *	49.2	218.7	17,300 *	52.2	222.8	18,700 *	55.1	225.5	20,000 *							130
135	41.4	203.7	14,300 *	44.9	210.7	15,600 *	46.9	214.2	16,400 *	50.0	218.7	17,700 *	53.0	221.9	18,900 *							135
140	38.7	197.8	13,500 *	42.4	205.5	14,700 *	44.5	209.3	15,400 *	47.8	214.4	16,700 *	50.8	218.0	18,000 *							140
145	36.0	191.2	12,700 *	39.9	199.8	13,900 *	42.1	204.0	14,600 *	45.5	209.7	15,800 *	48.6	213.8	17,000 *	51.5	216.5	17,300				145
150	33.0	184.0	12,000 *	37.2	193.5	13,100 *	39.5	198.2	13,800 *	43.1	204.5	14,900 *	46.3	209.2	16,100 *	49.4	212.3	16,400				150
155	29.7	175.8	11,200 *	34.3	186.6	12,400 *	36.8	191.8	13,000 *	40.5	198.9	14,100 *	44.0	204.2	15,200 *	47.1	207.9	15,600				155
160	26.1	166.3	10,400 *	31.2	178.8	11,600 *	33.9	184.8	12,300 *	37.9	192.8	13,300 *	41.5	198.8	14,400 *	44.7	203.0	14,800	47.7	205.7	13,600	160
165	22.0	155.1	9,600 *	27.8	169.9	10,700 *	30.7	176.8	11,500 *	35.0	186.0	12,600 *	38.9	192.9	13,600 *	42.3	197.8	14,000	45.4	201.0	12,900	165
170	17.0	141.0	8,900 *	23.9	159.6	9,900 *	27.2	167.8	10,600 *	32.0	178.5	11,800 *	36.1	186.4	12,800 *	39.7	192.0	13,400	43.0	195.8	12,300	170
180				13.3	129.9	8,500 *	18.5	144.1	9,100 *	24.9	160.0	10,100 *	29.9	171.0	11,300 *	34.1	178.7	12,100	37.8	184.0	11,100	180
190										15.0	132.5	8,600 *	22.2	150.5	9,600 *	27.5	161.9	10,700 *	31.8	169.6	10,000	190
200													10.1	116.1	8,200 *	19.0	138.7	9,100 *	24.7	151.1	9,100	200
210																			14.7	123.2	8,200	210

Liftcrane Luffing Jib Capacities

**Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
Without Front Bumper Counterweight
360 Degree Rating On Fully Extended Outriggers**

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5



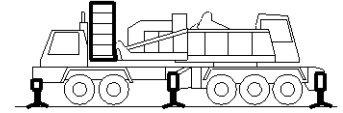
90 Ft. Boom, 70 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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	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	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
30	71.5	167.8	103,900 *b																			30
35	67.1	165.9	99,300 *b																			35
40	62.6	163.5	94,100 *b	69.8	166.4	102,800 *b																40
45	57.8	160.7	86,900 *	65.3	164.3	99,000 *b																45
50	52.9	157.2	75,300 *	60.7	161.7	92,500 *	65.1	163.4	91,500 *b													50
55	47.5	153.1	66,200 *	55.9	158.7	82,300 *	60.5	160.9	83,200													55
60	41.7	148.0	58,900 *	50.8	154.9	71,800 *	55.7	157.7	74,200													60
65	35.1	141.7	52,800 *	45.3	150.5	63,400 *	50.6	154.0	66,800	58.5	157.8	63,400										65
70	27.2	133.4	47,600 *	39.2	145.0	56,600 *	45.1	149.5	60,600	53.5	154.4	57,600										70
75	16.1	120.8	40,900 *	32.2	138.0	50,800 *	38.9	143.9	55,400	48.3	150.3	52,600	56.2	153.8	49,800							75
80				23.4	128.5	45,900 *	31.9	136.9	50,700 *	42.5	145.4	48,400	51.1	150.1	45,800							80
85				8.5	111.1	38,500 *	23.0	127.2	45,800 *	36.1	139.3	44,800	45.7	145.6	42,400							85
90							7.2	108.7	39,000 *	28.4	131.3	41,500	39.6	140.2	39,300	48.4	144.7	37,100				90
95										17.9	119.7	38,700	32.7	133.4	36,600	42.6	139.8	34,600				95
100													24.0	124.1	34,200	36.2	133.7	32,300	45.1	138.2	30,500	100
105													10.0	107.8	32,000	28.5	125.8	30,300	39.0	132.7	28,600	105
110																18.1	114.2	28,400	31.9	125.6	26,800	110
115																			23.1	116.0	25,200	115
120																			7.5	97.7	23,700	120

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
Without Front Bumper Counterweight
360 Degree Rating On Fully Extended Outriggers

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5



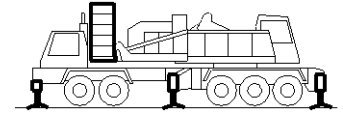
90 Ft. Boom, 80 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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	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	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
30	73.8	178.3	95,000 *b																			30
35	70.1	176.6	91,100 *b																			35
40	66.2	174.6	87,500 *																			40
45	62.2	172.2	84,100 *	68.6	175.2	90,300 *b																45
50	58.1	169.3	75,400 *	64.7	173.0	87,100 *																50
55	53.8	166.0	66,300 *	60.6	170.4	82,300 *	64.5	172.1	82,900													55
60	49.2	162.0	59,000 *	56.4	167.4	71,800 *	60.5	169.5	73,800													60
65	44.3	157.3	53,000 *	52.0	163.8	63,500 *	56.2	166.4	66,400	62.8	169.2	63,000										65
70	38.9	151.7	47,900 *	47.3	159.5	56,700 *	51.8	162.8	60,300	58.7	166.4	57,200										70
75	32.8	144.7	43,500 *	42.2	154.5	51,100 *	47.1	158.5	55,100	54.4	163.1	52,200										75
80	25.4	135.7	39,700 *	36.6	148.4	46,300 *	42.0	153.5	50,700	49.8	159.2	48,000	56.7	162.4	45,400							80
85	15.1	122.2	34,500 *	30.1	140.8	42,100 *	36.3	147.3	46,200 *	45.0	154.6	44,400	52.3	158.9	41,900							85
90				21.9	130.5	38,500 *	29.8	139.6	42,100 *	39.7	149.1	41,200	47.6	154.7	38,900							90
95				8.0	111.8	32,700 *	21.5	129.2	38,400 *	33.7	142.4	38,400	42.6	149.7	36,300	49.9	153.6	34,100				95
100							6.7	109.3	33,200 *	26.5	133.8	35,900	37.0	143.7	33,900	45.1	149.0	31,900				100
105										16.8	121.2	33,600	30.5	136.2	31,700	39.7	143.6	29,900	47.1	147.3	28,100	105
110													22.5	126.1	29,800	33.7	136.9	28,100	42.0	142.2	26,400	110
115													9.4	108.6	28,000	26.6	128.3	26,400	36.4	136.1	24,800	115
120																17.0	115.8	24,900	29.8	128.4	23,400	120
125																			21.6	118.0	22,100	125
130																			7.0	98.3	20,800	130

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
 Boom No. 78T With Heavy Lift Top
 95,400 Lb. Crane Counterweight
 Without Front Bumper Counterweight
 360 Degree Rating On Fully Extended Outriggers

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5



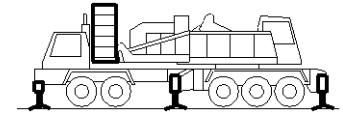
90 Ft. Boom, 90 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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	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	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
30	75.7	188.6	85,300 *b																			30
35	72.4	187.2	81,800 *b																			35
40	69.0	185.4	77,900 *																			40
45	65.5	183.3	74,300 *																			45
50	62.0	180.9	71,100 *	67.6	183.9	77,000 *																50
55	58.3	178.0	66,900 *	64.2	181.7	73,700 *	67.5	183.1	76,800 *													55
60	54.5	174.7	59,500 *	60.6	179.1	70,600 *	64.0	180.8	73,600 *													60
65	50.5	170.8	53,400 *	56.8	176.0	64,000 *	60.4	178.2	66,200													65
70	46.2	166.4	48,300 *	53.0	172.5	57,100 *	56.7	175.1	60,100	62.5	177.9	56,900										70
75	41.6	161.2	43,900 *	48.8	168.5	51,500 *	52.8	171.6	54,900	58.8	175.1	52,000										75
80	36.6	155.1	40,100 *	44.5	163.7	46,700 *	48.7	167.5	50,500	55.0	171.8	47,800										80
85	30.9	147.6	36,800 *	39.7	158.2	42,500 *	44.3	162.7	46,600 *	51.0	168.1	44,100	57.1	171.1	41,600							85
90	23.9	137.9	33,900 *	34.4	151.6	39,000 *	39.5	157.2	42,500 *	46.8	163.7	41,000	53.2	167.6	38,600							90
95	14.2	123.5	29,700 *	28.3	143.4	35,800 *	34.2	150.5	38,900 *	42.3	158.6	38,200	49.1	163.6	36,000							95
100				20.6	132.4	32,900 *	28.0	142.2	35,700 *	37.3	152.6	35,700	44.7	158.9	33,600	51.1	162.5	31,600				100
105				7.5	112.5	28,300 *	20.2	131.0	32,900 *	31.7	145.3	33,400	40.0	153.4	31,500	46.9	158.1	29,600				105
110							6.4	109.9	28,700 *	25.0	136.1	31,400	34.8	146.9	29,600	42.3	153.0	27,800				110
115										15.8	122.6	29,600	28.7	138.8	27,900	37.4	147.0	26,200	44.3	151.5	24,500	115
120													21.2	128.1	26,300	31.8	139.8	24,700	39.5	145.9	23,100	120
125													8.8	109.4	24,800	25.1	130.6	23,300	34.2	139.2	21,800	125
130																16.0	117.2	22,100	28.1	131.0	20,700	130
135																			20.3	119.8	19,600	135
140																			6.6	98.9	18,500	140

Liftcrane Luffing Jib Capacities

**Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
Without Front Bumper Counterweight
360 Degree Rating On Fully Extended Outriggers**

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5



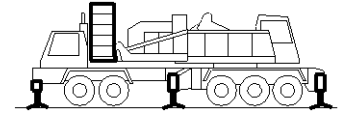
90 Ft. Boom, 100 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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	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	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
35	74.2	197.6	75,600 *b																			35
40	71.2	196.1	72,700 *																			40
45	68.1	194.2	69,300 *																			45
50	65.0	192.0	66,100 *	70.0	194.6	71,700 *																50
55	61.8	189.5	63,200 *	66.9	192.7	68,500 *																55
60	58.5	186.7	59,400 *	63.8	190.4	65,500 *	66.8	191.8	68,200 *													60
65	55.1	183.4	53,300 *	60.5	187.7	62,600 *	63.6	189.5	65,300 *													65
70	51.5	179.7	48,200 *	57.2	184.7	57,000 *	60.4	186.8	59,700 *													70
75	47.7	175.4	43,800 *	53.7	181.3	51,400 *	57.0	183.8	54,600 *	62.2	186.6	51,600 *										75
80	43.7	170.5	40,100 *	50.0	177.3	46,600 *	53.5	180.3	50,100 *	58.9	183.7	47,400 *										80
85	39.4	164.9	36,800 *	46.2	172.9	42,500 *	49.9	176.4	46,300 *	55.5	180.5	43,700 *										85
90	34.7	158.3	34,000 *	42.1	167.7	38,900 *	46.0	171.9	42,400 *	52.0	176.9	40,600 *	57.4	179.8	38,200 *							90
95	29.2	150.3	31,400 *	37.6	161.7	35,800 *	41.9	166.7	38,900 *	48.2	172.7	37,800 *	53.9	176.4	35,600 *							95
100	22.7	140.0	29,000 *	32.6	154.6	33,100 *	37.4	160.6	35,800 *	44.3	167.9	35,300 *	50.3	172.5	33,200 *							100
105	13.5	124.7	25,600 *	26.8	145.8	30,600 *	32.4	153.5	33,000 *	40.0	162.4	33,100 *	46.4	168.0	31,100 *	52.0	171.2	29,200 *				105
110				19.6	134.2	28,300 *	26.6	144.6	30,500 *	35.3	155.9	31,100 *	42.3	162.9	29,200 *	48.3	167.1	27,400 *				110
115				7.1	113.1	24,500 *	19.2	132.8	28,300 *	30.0	148.1	29,300 *	37.9	157.0	27,500 *	44.3	162.3	25,800 *				115
120							6.0	110.4	24,900 *	23.7	138.2	27,600 *	32.9	149.9	25,900 *	40.1	156.8	24,300 *	46.0	160.6	22,700 *	120
125										15.0	124.0	26,100 *	27.2	141.3	24,500 *	35.4	150.3	22,900 *	41.9	155.4	21,400 *	125
130													20.1	129.9	23,200 *	30.1	142.6	21,700 *	37.4	149.4	20,200 *	130
135													8.4	110.2	21,900 *	23.8	132.7	20,500 *	32.4	142.2	19,200 *	135
140																15.2	118.6	19,500 *	26.6	133.4	18,100 *	140
145																			19.3	121.6	17,200 *	145
150																			6.2	99.5	16,300 *	150

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
 Boom No. 78T With Heavy Lift Top
 95,400 Lb. Crane Counterweight
 Without Front Bumper Counterweight
 360 Degree Rating On Fully Extended Outriggers

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5



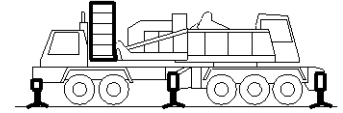
90 Ft. Boom, 110 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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	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	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
35	75.7	208.0	70,000 *b																			35
40	72.9	206.6	67,300 *																			40
45	70.2	204.9	64,500 *																			45
50	67.4	203.0	61,800 *																			50
55	64.6	200.7	59,100 *	69.1	203.5	63,700 *																55
60	61.6	198.2	56,600 *	66.3	201.4	61,200 *																60
65	58.6	195.3	53,400 *	63.4	199.1	58,600 *	66.2	200.5	60,900 *													65
70	55.5	192.1	48,300 *	60.5	196.4	56,000 *	63.3	198.2	58,400 *													70
75	52.3	188.5	44,000 *	57.4	193.4	51,500 *	60.3	195.5	54,500													75
80	48.9	184.3	40,300 *	54.3	190.0	46,700 *	57.3	192.5	50,100	62.0	195.2	47,300										80
85	45.4	179.7	37,000 *	51.0	186.2	42,600 *	54.1	189.1	46,300	59.0	192.4	43,700										85
90	41.6	174.4	34,200 *	47.6	181.9	39,100 *	50.9	185.2	42,500 *	55.9	189.2	40,500										90
95	37.5	168.4	31,600 *	43.9	177.0	36,000 *	47.4	180.9	39,000 *	52.7	185.6	37,700	57.6	188.5	35,500							95
100	33.0	161.3	29,400 *	40.0	171.4	33,300 *	43.8	176.0	36,000 *	49.4	181.6	35,200	54.5	185.1	33,100							100
105	27.9	152.8	27,300 *	35.8	165.0	30,800 *	39.9	170.4	33,200 *	45.9	177.0	33,000	51.2	181.3	31,000							105
110	21.6	142.0	25,400 *	31.1	157.4	28,700 *	35.6	163.9	30,800 *	42.1	171.9	31,000	47.8	177.0	29,100	52.8	180.0	27,300				110
115	12.8	125.8	22,500 *	25.6	148.2	26,700 *	30.8	156.3	28,600 *	38.1	165.9	29,200	44.1	172.2	27,400	49.4	176.0	25,700				115
120				18.6	135.9	24,800 *	25.3	146.9	26,600 *	33.6	159.0	27,600	40.3	166.7	25,900	45.9	171.4	24,200				120
125				6.8	113.7	21,600 *	18.3	134.4	24,800 *	28.6	150.7	26,100	36.1	160.3	24,500	42.2	166.3	22,900	47.4	169.6	21,300	125
130							5.7	110.9	22,000 *	22.5	140.3	24,700	31.4	152.8	23,200	38.1	160.3	21,600	43.8	164.7	20,200	130
135										14.3	125.2	23,400	25.9	143.7	22,000	33.7	153.4	20,500	39.9	159.1	19,100	135
140													19.1	131.6	20,800	28.7	145.2	19,500	35.6	152.7	18,100	140
145													8.0	110.9	19,800	22.6	134.8	18,500	30.9	145.1	17,200	145
150																14.5	119.9	17,500	25.4	135.7	16,300	150
155																			18.3	123.2	15,500	155
160																			5.9	100.0	14,700	160

Liftcrane Luffing Jib Capacities

**Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
Without Front Bumper Counterweight
360 Degree Rating On Fully Extended Outriggers**

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5



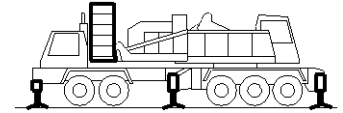
90 Ft. Boom, 120 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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	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	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
40	74.4	217.0	62,300 *																			40
45	71.9	215.5	59,700 *																			45
50	69.4	213.7	57,100 *																			50
55	66.8	211.7	54,600 *	70.9	214.1	58,800 *																55
60	64.2	209.4	52,300 *	68.4	212.2	56,400 *																60
65	61.5	206.9	50,100 *	65.8	210.1	54,000 *																65
70	58.7	204.0	47,900 *	63.1	207.7	51,800 *	65.7	209.3	53,800 *													70
75	55.9	200.8	43,800 *	60.4	205.1	49,600 *	63.0	206.9	51,600 *													75
80	53.0	197.2	40,100 *	57.6	202.1	46,500 *	60.3	204.2	49,600 *													80
85	49.9	193.2	36,800 *	54.8	198.7	42,400 *	57.5	201.1	45,900 *	61.9	203.9	43,300 *										85
90	46.7	188.8	34,000 *	51.8	195.0	38,900 *	54.6	197.8	42,400 *	59.1	201.1	40,100 *										90
95	43.4	183.8	31,500 *	48.7	190.8	35,800 *	51.7	194.0	38,800 *	56.3	197.9	37,300 *										95
100	39.8	178.1	29,200 *	45.4	186.2	33,100 *	48.5	189.9	35,800 *	53.4	194.4	34,900 *	57.8	197.1	32,700 *							100
105	35.9	171.7	27,200 *	42.0	180.9	30,700 *	45.3	185.2	33,100 *	50.3	190.5	32,700 *	54.9	193.8	30,600 *							105
110	31.6	164.2	25,400 *	38.3	175.0	28,500 *	41.8	179.9	30,700 *	47.2	186.1	30,700 *	52.0	190.1	28,700 *							110
115	26.6	155.2	23,700 *	34.2	168.2	26,600 *	38.1	173.9	28,500 *	43.8	181.2	28,900 *	48.9	186.0	27,000 *							115
120	20.7	143.8	22,100 *	29.7	160.2	24,800 *	34.0	167.1	26,600 *	40.2	175.6	27,200 *	45.6	181.3	25,500 *	50.4	184.8	23,800 *				120
125	12.3	126.9	19,600 *	24.5	150.4	23,100 *	29.5	159.0	24,800 *	36.4	169.3	25,800 *	42.2	176.1	24,100 *	47.2	180.5	22,500 *				125
130				17.8	137.5	21,600 *	24.2	149.1	23,100 *	32.2	161.9	24,400 *	38.5	170.3	22,800 *	43.9	175.6	21,200 *				130
135				6.5	114.3	18,900 *	17.5	136.0	21,600 *	27.3	153.2	23,100 *	34.5	163.5	21,600 *	40.3	170.0	20,100 *	45.3	173.9	18,700 *	135
140							5.5	111.4	19,300 *	21.6	142.2	21,900 *	30.0	155.6	20,500 *	36.5	163.7	19,100 *	41.8	168.6	17,700 *	140
145										13.7	126.5	20,800 *	24.8	145.9	19,500 *	32.2	156.4	18,100 *	38.1	162.7	16,800 *	145
150													18.3	133.3	18,500 *	27.4	147.7	17,200 *	34.1	155.8	15,900 *	150
155													7.6	111.5	17,600 *	21.7	136.7	16,300 *	29.5	147.8	15,100 *	155
160																13.8	121.1	15,500 *	24.3	137.9	14,400 *	160
165																			17.6	124.8	13,700 *	165
170																			5.7	100.5	13,000 *	170

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
 Boom No. 78T With Heavy Lift Top
 95,400 Lb. Crane Counterweight
 Without Front Bumper Counterweight
 360 Degree Rating On Fully Extended Outriggers

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5



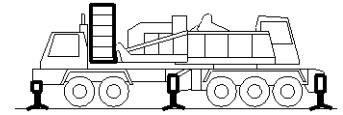
90 Ft. Boom, 130 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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	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	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
40	75.6	227.3	49,300 *																			40
45	73.3	226.0	48,300 *																			45
50	71.0	224.3	47,300 *																			50
55	68.7	222.5	46,400 *																			55
60	66.3	220.4	44,800 *	70.1	222.9	47,200 *																60
65	63.9	218.1	42,900 *	67.8	221.0	46,200 *																65
70	61.4	215.5	41,100 *	65.3	218.8	44,300 *	67.6	220.1	45,900 *													70
75	58.8	212.7	39,400 *	62.9	216.4	42,400 *	65.2	218.0	44,000 *													75
80	56.2	209.5	37,700 *	60.4	213.7	40,600 *	62.8	215.5	42,300 *													80
85	53.5	206.0	36,200 *	57.8	210.7	39,000 *	60.3	212.8	40,500 *													85
90	50.7	202.1	34,100 *	55.2	207.4	37,400 *	57.7	209.8	38,900 *	61.7	212.6	39,800										90
95	47.8	197.8	31,600 *	52.5	203.8	35,800 *	55.1	206.5	37,300 *	59.2	209.7	37,000										95
100	44.8	193.0	29,300 *	49.6	199.7	33,200 *	52.3	202.8	35,800 *	56.6	206.6	34,600										100
105	41.6	187.7	27,300 *	46.7	195.2	30,800 *	49.5	198.8	33,200 *	53.9	203.1	32,400	58.0	205.8	30,300							105
110	38.1	181.7	25,400 *	43.5	190.3	28,600 *	46.5	194.3	30,800 *	51.1	199.3	30,400	55.3	202.5	28,400							110
115	34.4	174.9	23,700 *	40.2	184.7	26,700 *	43.4	189.2	28,600 *	48.2	195.0	28,600	52.6	198.9	26,700							115
120	30.3	167.0	22,200 *	36.7	178.4	24,900 *	40.1	183.6	26,600 *	45.2	190.3	27,000	49.8	194.9	25,200							120
125	25.6	157.5	20,800 *	32.8	171.2	23,200 *	36.5	177.3	24,900 *	42.0	185.1	25,500	46.8	190.4	23,800	51.2	193.7	22,100				125
130	19.9	145.6	19,400 *	28.5	162.8	21,700 *	32.7	170.1	23,200 *	38.6	179.2	24,100	43.7	185.4	22,500	48.3	189.4	20,900				130
135	11.8	128.0	17,200 *	23.5	152.5	20,300 *	28.3	161.6	21,700 *	34.9	172.5	22,900	40.4	179.9	21,300	45.3	184.7	19,800				135
140				17.1	139.0	19,000 *	23.2	151.2	20,300 *	30.9	164.8	21,700	36.9	173.7	20,200	42.1	179.5	18,800	46.5	183.0	17,400	140
145				6.3	114.9	16,700 *	16.8	137.5	19,000 *	26.2	155.6	20,600	33.1	166.5	19,200	38.7	173.6	17,800	43.4	178.0	16,500	145
150							5.3	111.9	17,000 *	20.7	144.1	19,600	28.8	158.2	18,300	35.0	166.9	16,900	40.1	172.4	15,600	150
155										13.1	127.6	18,500 *	23.8	148.1	17,400	30.9	159.2	16,100	36.6	166.1	14,800	155
160													17.6	134.8	16,500	26.3	150.1	15,300	32.7	158.8	14,100	160
165													7.3	112.2	15,700	20.8	138.6	14,600	28.4	150.3	13,400	165
170																13.3	122.3	13,900	23.3	140.0	12,800	170
180																			5.5	101.0	11,500	180

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
Without Front Bumper Counterweight
360 Degree Rating On Fully Extended Outriggers

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5



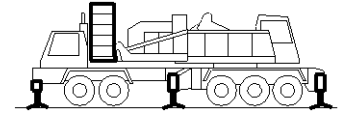
90 Ft. Boom, 140 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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	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	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	74.6	236.4	45,300 *																			45
50	72.4	234.9	44,400 *																			50
55	70.3	233.2	43,200 *																			55
60	68.1	231.3	41,300 *																			60
65	65.9	229.2	39,500 *	69.4	231.7	42,500 *																65
70	63.6	226.8	37,800 *	67.2	229.8	40,700 *																70
75	61.3	224.2	36,100 *	65.0	227.5	39,000 *	67.1	228.9	40,400 *													75
80	58.9	221.3	34,500 *	62.7	225.1	37,300 *	64.9	226.7	38,800 *													80
85	56.5	218.2	33,000 *	60.4	222.4	35,700 *	62.6	224.2	37,100 *													85
90	54.0	214.7	31,500 *	58.0	219.4	34,100 *	60.3	221.5	35,600 *													90
95	51.4	210.9	30,100 *	55.5	216.1	32,600 *	57.9	218.5	34,000 *	61.6	221.2	36,100 *										95
100	48.8	206.7	28,800 *	53.0	212.5	31,200 *	55.4	215.2	32,500 *	59.2	218.4	34,200										100
105	46.0	202.1	27,100 *	50.4	208.6	29,800 *	52.9	211.6	31,100 *	56.8	215.3	32,000										105
110	43.1	197.0	25,200 *	47.7	204.2	28,400 *	50.3	207.6	29,800 *	54.4	211.9	30,000										110
115	40.0	191.4	23,600 *	44.9	199.5	26,400 *	47.6	203.3	28,400 *	51.8	208.1	28,200	55.7	211.2	26,300							115
120	36.7	185.1	22,000 *	41.9	194.2	24,700 *	44.7	198.5	26,400 *	49.1	204.0	26,600	53.2	207.6	24,800							120
125	33.1	177.9	20,600 *	38.7	188.3	23,000 *	41.8	193.1	24,600 *	46.4	199.4	25,100	50.6	203.7	23,400							125
130	29.2	169.6	19,300 *	35.3	181.6	21,600 *	38.6	187.2	23,000 *	43.5	194.4	23,800	47.9	199.4	22,100	51.8	202.5	20,500				130
135	24.6	159.8	18,100 *	31.6	174.1	20,200 *	35.2	180.6	21,600 *	40.4	188.8	22,500	45.0	194.6	20,900	49.2	198.4	19,400				135
140	19.1	147.3	16,900 *	27.5	165.2	18,900 *	31.4	172.9	20,200 *	37.1	182.6	21,400	42.1	189.4	19,800	46.4	193.8	18,400				140
145	11.4	129.0	15,000 *	22.6	154.5	17,700 *	27.3	164.1	18,900 *	33.6	175.6	20,300	38.9	183.5	18,800	43.5	188.8	17,400	47.6	192.0	16,000	145
150				16.5	140.5	16,600 *	22.4	153.2	17,700 *	29.7	167.5	19,300	35.5	176.9	17,900	40.5	183.3	16,500	44.8	187.2	15,200	150
155				6.0	115.4	14,600 *	16.2	139.0	16,600 *	25.3	157.9	18,400	31.8	169.4	17,000	37.2	177.0	15,700	41.8	181.9	14,400	155
160							5.1	112.4	14,900 *	20.0	145.9	17,300 *	27.7	160.7	16,200	33.7	170.0	14,900	38.6	176.0	13,700	160
165										12.7	128.8	16,200 *	22.9	150.1	15,400	29.8	161.9	14,200	35.2	169.3	13,000	165
170													16.9	136.3	14,700	25.4	152.4	13,500	31.5	161.7	12,400	170
180																12.8	123.4	12,200	22.4	142.0	11,200	180
190																			5.3	101.5	10,100	190

Liftcrane Luffing Jib Capacities

**Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
Without Front Bumper Counterweight
360 Degree Rating On Fully Extended Outriggers**

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5



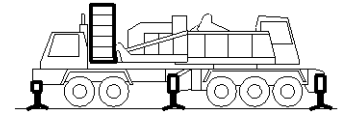
90 Ft. Boom, 150 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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	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	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	75.6	246.7	42,500 *																			45
50	73.6	245.3	41,600 *																			50
55	71.6	243.8	40,000 *																			55
60	69.6	242.0	38,200 *																			60
65	67.6	240.1	36,500 *	70.8	242.4	39,200 *																65
70	65.5	237.9	34,900 *	68.8	240.5	37,600 *																70
75	63.4	235.5	33,300 *	66.7	238.5	35,900 *																75
80	61.2	232.9	31,700 *	64.6	236.2	34,400 *	66.7	237.6	35,700 *													80
85	59.0	230.0	30,300 *	62.5	233.8	32,800 *	64.6	235.4	34,200 *													85
90	56.7	226.8	28,900 *	60.3	231.0	31,300 *	62.4	232.9	32,700 *													90
95	54.4	223.4	27,500 *	58.1	228.1	29,900 *	60.2	230.1	31,200 *													95
100	52.0	219.7	26,200 *	55.8	224.8	28,500 *	58.0	227.2	29,800 *	61.5	229.9	31,700 *										100
105	49.6	215.6	25,000 *	53.5	221.3	27,200 *	55.7	223.9	28,400 *	59.3	227.1	30,400 *										105
110	47.0	211.2	23,900 *	51.1	217.4	25,900 *	53.4	220.3	27,100 *	57.0	224.0	29,100 *										110
115	44.4	206.3	22,800 *	48.6	213.2	24,700 *	51.0	216.5	25,900 *	54.7	220.6	27,800 *										115
120	41.6	200.9	21,800 *	46.0	208.6	23,600 *	48.5	212.2	24,700 *	52.4	216.9	26,500 *	56.0	219.9	24,700							120
125	38.6	195.0	20,600 *	43.3	203.5	22,500 *	45.9	207.6	23,600 *	49.9	212.8	25,000	53.6	216.4	23,300							125
130	35.4	188.3	19,400 *	40.4	197.9	21,500 *	43.1	202.5	22,500 *	47.4	208.4	23,700	51.2	212.5	22,000							130
135	32.0	180.8	18,200 *	37.4	191.7	20,200 *	40.3	196.9	21,500 *	44.7	203.6	22,400	48.7	208.3	20,800	52.4	211.3	19,300				135
140	28.2	172.2	17,100 *	34.1	184.8	19,000 *	37.2	190.7	20,200 *	41.9	198.3	21,300	46.1	203.7	19,700	50.0	207.2	18,200				140
145	23.8	161.9	16,000 *	30.5	176.9	17,800 *	33.9	183.7	19,000 *	39.0	192.5	20,200	43.4	198.7	18,700	47.4	202.8	17,300				145
150	18.5	149.0	15,000 *	26.5	167.6	16,700 *	30.3	175.7	17,800 *	35.8	185.9	19,200	40.6	193.1	17,800	44.8	198.0	16,400				150
155	11.0	130.0	13,300 *	21.9	156.5	15,700 *	26.3	166.4	16,700 *	32.4	178.5	18,300	37.5	187.0	16,900	42.0	192.7	15,600	45.9	196.3	14,300	155
160				16.0	141.9	14,700 *	21.6	155.2	15,700 *	28.7	170.1	17,400 *	34.3	180.1	16,100	39.0	186.9	14,800	43.2	191.2	13,600	160
165				5.8	115.9	12,900 *	15.6	140.4	14,700 *	24.4	160.1	16,400 *	30.7	172.2	15,300	35.9	180.3	14,100	40.3	185.6	12,900	165
170							4.9	112.8	13,300 *	19.3	147.6	15,400 *	26.8	163.1	14,600	32.5	173.0	13,400	37.2	179.4	12,300	170
180													16.4	137.8	13,300	24.5	154.6	12,200	30.4	164.5	11,100	180
190																12.4	124.5	11,000	21.7	144.0	10,000	190
200																			5.1	101.9	9,000	200

Liftcrane Luffing Jib Capacities

**Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
Without Front Bumper Counterweight
360 Degree Rating On Fully Extended Outriggers**

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5



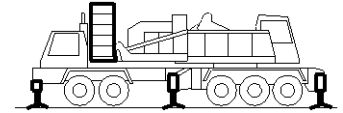
90 Ft. Boom, 160 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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	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	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	74.7	255.7	38,400 *																			50
55	72.8	254.3	36,700 *																			55
60	70.9	252.6	35,000 *																			60
65	69.0	250.8	33,400 *																			65
70	67.1	248.8	31,800 *	70.2	251.2	34,300 *																70
75	65.1	246.6	30,300 *	68.3	249.3	32,800 *																75
80	63.2	244.2	28,800 *	66.3	247.2	31,300 *																80
85	61.1	241.5	27,400 *	64.4	244.9	29,800 *	66.2	246.4	31,100 *													85
90	59.1	238.6	26,000 *	62.4	242.4	28,300 *	64.3	244.1	29,600 *													90
95	57.0	235.5	24,700 *	60.3	239.7	27,000 *	62.3	241.5	28,200 *													95
100	54.8	232.1	23,500 *	58.2	236.7	25,600 *	60.2	238.8	26,900 *													100
105	52.6	228.5	22,300 *	56.1	233.5	24,300 *	58.1	235.8	25,600 *	61.4	238.6	27,400 *										105
110	50.3	224.5	21,200 *	53.9	230.0	23,100 *	56.0	232.6	24,300 *	59.3	235.7	26,100 *										110
115	47.9	220.1	20,100 *	51.7	226.2	21,900 *	53.8	229.1	23,100 *	57.2	232.6	24,900 *										115
120	45.4	215.4	19,100 *	49.4	222.1	20,800 *	51.6	225.3	21,900 *	55.1	229.3	23,700 *										120
125	42.9	210.3	18,100 *	46.9	217.6	19,800 *	49.2	221.1	20,800 *	52.9	225.6	22,500 *	56.2	228.6	22,900							125
130	40.2	204.6	17,200 *	44.4	212.7	18,800 *	46.8	216.6	19,700 *	50.6	221.7	21,400 *	54.1	225.1	21,600							130
135	37.3	198.4	16,300 *	41.8	207.4	17,800 *	44.3	211.7	18,700 *	48.2	217.4	20,300 *	51.8	221.3	20,400							135
140	34.2	191.5	15,500 *	39.1	201.5	16,900 *	41.7	206.4	17,800 *	45.8	212.7	19,300 *	49.5	217.2	19,300	52.9	220.0	17,800				140
145	30.9	183.6	14,700 *	36.1	195.0	16,100 *	38.9	200.5	16,900 *	43.2	207.7	18,300 *	47.1	212.8	18,300	50.6	216.1	16,900				145
150	27.2	174.6	14,000 *	33.0	187.8	15,300 *	36.0	194.0	16,000 *	40.5	202.1	17,400 *	44.6	207.9	17,400	48.3	211.8	16,000				150
155	23.0	164.0	13,400 *	29.5	179.5	14,500 *	32.8	186.7	15,200 *	37.7	195.9	16,500 *	42.0	202.6	16,500	45.8	207.1	15,200				155
160	17.9	150.6	12,800 *	25.7	170.0	13,800 *	29.4	178.4	14,500 *	34.7	189.1	15,700 *	39.2	196.8	15,700	43.3	202.1	14,400	46.9	205.4	13,100	160
165	10.6	130.9	11,600 *	21.1	158.4	13,200 *	25.5	168.7	13,800 *	31.4	181.4	14,900 *	36.3	190.3	15,000	40.6	196.5	13,700	44.4	200.5	12,500	165
170				15.4	143.3	12,600 *	20.9	157.1	13,200 *	27.8	172.6	14,200 *	33.2	183.1	14,200	37.7	190.4	13,000	41.7	195.1	11,800	170
180							4.8	113.2	11,600 *	18.7	149.3	12,900 *	25.9	165.5	12,900	31.4	175.9	11,800	36.0	182.7	10,700	180
190													15.8	139.2	11,700	23.7	156.7	10,700	29.4	167.1	9,700	190
200																12.0	125.6	9,700	21.0	145.9	8,700	200
210																			4.9	102.4	7,800	210

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
Without Front Bumper Counterweight
360 Degree Rating On Fully Extended Outriggers

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5



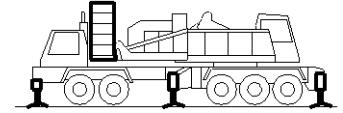
90 Ft. Boom, 170 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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	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	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	75.6	266.1	35,300 *																			50
55	73.9	264.7	33,900 *																			55
60	72.1	263.2	32,300 *																			60
65	70.3	261.5	30,800 *																			65
70	68.5	259.6	29,300 *																			70
75	66.7	257.5	27,800 *	69.6	260.0	30,100 *																75
80	64.8	255.3	26,400 *	67.8	258.1	28,700 *																80
85	63.0	252.8	25,000 *	66.0	256.0	27,300 *	67.7	257.2	28,500 *													85
90	61.1	250.2	23,700 *	64.1	253.6	25,900 *	65.9	255.1	27,100 *													90
95	59.1	247.3	22,500 *	62.2	251.1	24,600 *	64.0	252.8	25,800 *													95
100	57.1	244.2	21,300 *	60.3	248.4	23,300 *	62.1	250.2	24,500 *													100
105	55.1	240.8	20,100 *	58.3	245.4	22,100 *	60.2	247.5	23,200 *													105
110	53.0	237.2	19,100 *	56.3	242.2	20,900 *	58.3	244.5	22,000 *	61.3	247.2	23,700 *										110
115	50.9	233.3	18,000 *	54.3	238.7	19,800 *	56.3	241.3	20,900 *	59.4	244.4	22,600 *										115
120	48.7	229.1	17,000 *	52.2	235.0	18,700 *	54.2	237.8	19,800 *	57.4	241.3	21,400 *										120
125	46.4	224.5	16,100 *	50.0	231.0	17,700 *	52.1	234.0	18,700 *	55.4	238.0	20,300 *										125
130	44.0	219.5	15,200 *	47.8	226.6	16,700 *	49.9	230.0	17,700 *	53.3	234.4	19,200 *	56.5	237.3	20,700 *							130
135	41.5	214.1	14,400 *	45.5	221.9	15,800 *	47.7	225.6	16,700 *	51.2	230.5	18,200 *	54.4	233.8	19,600 *							135
140	38.9	208.2	13,600 *	43.1	216.7	14,900 *	45.4	220.9	15,800 *	49.0	226.3	17,200 *	52.3	230.1	18,600 *							140
145	36.2	201.7	12,800 *	40.5	211.1	14,100 *	42.9	215.7	14,900 *	46.7	221.8	16,300 *	50.2	226.1	17,700 *							145
150	33.2	194.5	12,100 *	37.9	205.0	13,300 *	40.4	210.1	14,100 *	44.3	216.9	15,400 *	47.9	221.7	16,700 *	51.2	224.9	15,700				150
155	30.0	186.4	11,300 *	35.0	198.2	12,600 *	37.7	204.0	13,300 *	41.9	211.5	14,600 *	45.6	217.0	15,800 *	49.0	220.7	14,900				155
160	26.4	177.0	10,500 *	32.0	190.7	11,900 *	34.9	197.2	12,500 *	39.3	205.7	13,700 *	43.2	211.9	15,000 *	46.7	216.2	14,100				160
165	22.3	166.0	9,700 *	28.6	182.1	11,000 *	31.8	189.6	11,800 *	36.5	199.3	13,000 *	40.7	206.4	14,100 *	44.4	211.3	13,400	47.7	214.3	12,200	165
170	17.4	152.1	8,900 *	24.9	172.2	10,100 *	28.5	180.9	10,900 *	33.6	192.2	12,200 *	38.0	200.3	13,400 *	41.9	206.0	12,700	45.4	209.6	11,500	170
180				15.0	144.6	8,700 *	20.3	158.9	9,300 *	26.9	175.0	10,600 *	32.1	186.0	11,900 *	36.6	193.7	11,500	40.4	198.9	10,400	180
190							4.6	113.6	8,000 *	18.1	150.9	9,000 *	25.1	167.7	10,200 *	30.5	178.6	10,400	34.9	185.9	9,400	190
200													15.4	140.6	8,700 *	23.0	158.8	9,400	28.5	169.7	8,400	200
210																11.6	126.6	8,400 *	20.3	147.7	7,600	210
220																			4.8	102.8	6,800	220

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
Without Front Bumper Counterweight
360 Degree Rating On Fully Extended Outriggers

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5



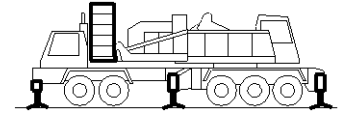
100 Ft. Boom, 70 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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	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	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
35	67.4	176.0	98,700 *b																			35
40	62.9	173.7	93,700 *b	70.8	176.7	100,700 *b																40
45	58.2	170.9	88,000 *	66.4	174.8	93,700 *b																45
50	53.2	167.5	76,200 *	61.9	172.3	87,300 *b	66.7	174.0	86,100 *b													50
55	47.9	163.4	66,900 *	57.1	169.4	81,400 *	62.1	171.7	80,500 *b													55
60	42.1	158.4	59,500 *	52.1	165.8	74,200 *	57.4	168.7	73,600													60
65	35.6	152.2	53,300 *	46.7	161.6	65,400 *	52.4	165.2	66,300	60.9	168.9	62,500 b										65
70	27.8	144.1	48,000 *	40.8	156.3	58,200 *	47.0	161.0	60,200	56.1	165.9	56,700										70
75	17.1	132.0	41,500 *	34.0	149.8	52,300 *	41.1	155.8	55,000	51.0	162.2	51,800										75
80				25.8	141.1	47,200 *	34.5	149.4	50,600	45.6	157.7	47,700	54.6	162.1	44,800							80
85				13.7	127.2	41,300 *	26.4	140.9	46,800	39.5	152.3	44,100	49.4	158.2	41,400							85
90							14.7	127.5	43,000 *	32.5	145.4	40,900	43.8	153.4	38,400	52.8	157.3	35,900				90
95										23.9	136.1	38,100	37.5	147.6	35,800	47.5	153.1	33,500				95
100										9.7	119.5	35,600	30.2	140.2	33,500	41.7	148.0	31,300				100
105													20.6	129.6	31,300	35.1	141.7	29,300	45.1	146.9	27,300	105
110																27.1	133.4	27,500	39.0	141.3	25,700	110
115																16.0	120.8	25,900	31.9	134.3	24,200	115
120																			23.1	124.7	22,800	120
125																			7.5	106.4	21,500	125

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
 Boom No. 78T With Heavy Lift Top
 95,400 Lb. Crane Counterweight
 Without Front Bumper Counterweight
 360 Degree Rating On Fully Extended Outriggers

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5



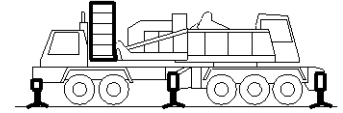
100 Ft. Boom, 80 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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	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	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
35	70.3	186.7	90,500 *b																			35
40	66.5	184.8	87,000 *b																			40
45	62.5	182.4	83,700 *	69.5	185.6	90,500 *b																45
50	58.4	179.5	76,300 *	65.6	183.5	85,000 *b																50
55	54.1	176.2	67,000 *	61.6	181.0	79,700 *	65.9	182.8	78,500 *b													55
60	49.5	172.3	59,600 *	57.5	178.1	73,900 *	61.9	180.3	73,200													60
65	44.7	167.6	53,500 *	53.1	174.6	65,500 *	57.7	177.4	65,900													65
70	39.3	162.1	48,300 *	48.5	170.5	58,400 *	53.4	174.0	59,800	60.8	177.6	56,300										70
75	33.2	155.3	43,900 *	43.5	165.7	52,500 *	48.8	169.9	54,700	56.6	174.6	51,400										75
80	26.0	146.5	40,000 *	38.0	159.9	47,500 *	43.8	165.2	50,300	52.2	171.0	47,300										80
85	16.0	133.4	35,000 *	31.8	152.7	43,200 *	38.4	159.4	46,500	47.5	166.8	43,700	55.3	170.8	40,900							85
90				24.1	143.3	39,400 *	32.2	152.4	43,200	42.5	161.8	40,600	50.8	167.0	38,000							90
95				12.8	128.4	34,900 *	24.6	143.1	39,700 *	36.9	155.7	37,800	46.1	162.6	35,400							95
100							13.7	128.8	36,200 *	30.4	148.2	35,300	40.9	157.3	33,100	49.2	162.0	30,800				100
105										22.3	138.1	33,100	35.0	150.9	31,000	44.3	157.3	28,900				105
110										9.0	120.3	31,000	28.2	142.8	29,100	38.9	151.7	27,100	47.1	155.9	25,200	110
115													19.3	131.4	27,400	32.7	144.7	25,500	42.0	150.8	23,700	115
120																25.4	135.7	24,100	36.4	144.7	22,300	120
125																15.0	122.1	22,700	29.8	137.1	21,100	125
130																			21.6	126.7	19,900	130
135																			7.0	107.0	18,800	135

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
Without Front Bumper Counterweight
360 Degree Rating On Fully Extended Outriggers

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5



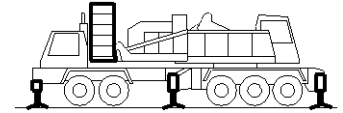
100 Ft. Boom, 90 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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	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	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
35	72.6	197.3	81,300 *b																			35
40	69.2	195.6	77,700 *b																			40
45	65.8	193.5	74,100 *																			45
50	62.2	191.1	71,000 *	68.5	194.3	77,400 *																50
55	58.6	188.2	67,600 *	65.0	192.2	74,200 *																55
60	54.8	184.9	60,100 *	61.5	189.7	71,200 *	65.2	191.5	71,200 *													60
65	50.8	181.1	53,900 *	57.8	186.7	66,000 *	61.7	189.0	65,600													65
70	46.5	176.7	48,700 *	53.9	183.3	58,800 *	58.0	186.1	59,600													70
75	42.0	171.6	44,300 *	49.9	179.4	52,900 *	54.1	182.7	54,500	60.7	186.3	51,100										75
80	37.0	165.5	40,500 *	45.6	174.9	47,900 *	50.1	178.8	50,100	57.0	183.2	47,000										80
85	31.3	158.2	37,100 *	40.9	169.6	43,600 *	45.8	174.3	46,300	53.1	179.7	43,400										85
90	24.5	148.7	34,100 *	35.8	163.2	39,900 *	41.2	169.1	43,000	49.0	175.7	40,300	55.9	179.5	37,700							90
95	15.1	134.8	30,000 *	29.9	155.5	36,600 *	36.1	162.8	40,000	44.7	171.0	37,500	51.9	175.8	35,100							95
100				22.7	145.4	33,700 *	30.3	155.2	36,900 *	39.9	165.5	35,100	47.8	171.6	32,800							100
105				12.1	129.5	30,100 *	23.2	145.2	33,900 *	34.7	159.0	32,900	43.3	166.7	30,700	50.5	170.9	28,600				105
110							13.0	129.9	31,200 *	28.6	150.9	30,900	38.4	160.9	28,900	46.2	166.4	26,800				110
115										21.0	140.0	29,100	33.0	153.9	27,200	41.6	161.2	25,300				115
120										8.5	121.1	27,400	26.5	145.2	25,600	36.6	155.1	23,800	44.3	160.1	22,000	120
125													18.2	133.0	24,200	30.8	147.6	22,500	39.5	154.6	20,800	125
130																23.9	137.9	21,300	34.2	147.9	19,700	130
135																14.1	123.4	20,100	28.1	139.6	18,600	135
140																			20.3	128.5	17,600	140
145																			6.6	107.6	16,700	145

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
 Boom No. 78T With Heavy Lift Top
 95,400 Lb. Crane Counterweight
 Without Front Bumper Counterweight
 360 Degree Rating On Fully Extended Outriggers

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5



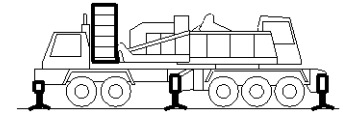
100 Ft. Boom, 100 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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	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	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
35	74.4	207.7	74,900 *b																			35
40	71.4	206.2	72,200 *																			40
45	68.3	204.3	69,200 *																			45
50	65.2	202.2	66,000 *	70.7	205.0	72,000 *																50
55	62.0	199.7	63,100 *	67.7	203.1	69,000 *																55
60	58.7	196.9	59,900 *	64.5	200.9	66,000 *	67.8	202.4	68,900 *													60
65	55.3	193.6	53,800 *	61.3	198.3	63,200 *	64.7	200.2	65,300													65
70	51.8	189.9	48,600 *	58.0	195.4	58,700 *	61.5	197.7	59,200													70
75	48.0	185.7	44,200 *	54.5	192.1	52,800 *	58.2	194.7	54,100													75
80	44.0	180.9	40,400 *	50.9	188.3	47,800 *	54.8	191.4	49,700	60.7	194.9	46,600										80
85	39.7	175.3	37,100 *	47.2	183.9	43,500 *	51.2	187.7	45,900	57.3	191.9	43,000										85
90	35.0	168.8	34,200 *	43.1	179.0	39,800 *	47.4	183.4	42,600	53.8	188.5	39,900										90
95	29.7	160.9	31,600 *	38.7	173.2	36,600 *	43.4	178.4	39,700	50.2	184.6	37,100	56.3	188.2	34,600							95
100	23.2	150.8	29,200 *	33.9	166.4	33,800 *	39.0	172.7	36,900 *	46.4	180.1	34,700	52.8	184.6	32,300							100
105	14.3	136.1	25,900 *	28.4	158.1	31,200 *	34.2	166.0	34,000 *	42.3	175.0	32,500	49.1	180.5	30,300							105
110				21.6	147.4	28,900 *	28.7	157.8	31,500 *	37.8	169.0	30,600	45.2	175.9	28,400	51.5	179.7	26,400				110
115				11.5	130.5	26,000 *	22.0	147.2	29,100 *	32.9	162.0	28,800	41.0	170.5	26,800	47.7	175.4	24,800				115
120							12.3	131.0	26,900 *	27.1	153.3	27,100	36.4	164.3	25,200	43.7	170.6	23,400				120
125										19.9	141.8	25,600	31.2	156.8	23,800	39.4	164.9	22,100	46.0	169.3	20,300	125
130										8.1	121.8	24,200	25.2	147.5	22,600	34.6	158.3	20,900	41.9	164.1	19,200	130
135													17.2	134.6	21,400	29.2	150.3	19,800	37.4	158.1	18,200	135
140																22.6	140.0	18,700	32.4	150.9	17,200	140
145																13.4	124.6	17,700	26.6	142.1	16,300	145
150																			19.3	130.2	15,500	150
155																			6.2	108.1	14,700	155

Liftcrane Luffing Jib Capacities

**Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
Without Front Bumper Counterweight
360 Degree Rating On Fully Extended Outriggers**

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5



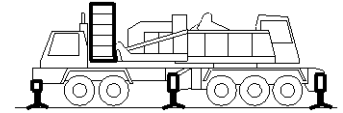
100 Ft. Boom, 110 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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	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	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
35	75.8	218.1	69,300 *b																			35
40	73.1	216.7	66,900 *																			40
45	70.4	215.0	64,100 *																			45
50	67.6	213.1	61,500 *																			50
55	64.8	210.9	59,000 *	69.8	213.8	63,900 *																55
60	61.8	208.4	56,600 *	67.0	211.9	61,500 *																60
65	58.8	205.5	53,900 *	64.1	209.6	59,000 *	67.2	211.1	61,300 *													65
70	55.8	202.3	48,700 *	61.2	207.0	56,500 *	64.3	208.9	59,100 *													70
75	52.5	198.7	44,400 *	58.2	204.1	52,900 *	61.4	206.3	54,000													75
80	49.2	194.6	40,600 *	55.1	200.8	47,900 *	58.4	203.4	49,600													80
85	45.6	190.1	37,300 *	51.8	197.1	43,600 *	55.2	200.1	45,900	60.6	203.6	42,900										85
90	41.9	184.8	34,400 *	48.4	192.9	40,000 *	52.0	196.5	42,600	57.6	200.6	39,800										90
95	37.8	178.8	31,900 *	44.8	188.2	36,800 *	48.6	192.3	39,600	54.4	197.2	37,100										95
100	33.3	171.8	29,600 *	41.0	182.8	34,000 *	45.1	187.6	37,100 *	51.1	193.4	34,600	56.6	196.8	32,300							100
105	28.2	163.5	27,500 *	36.9	176.6	31,500 *	41.2	182.3	34,200 *	47.7	189.1	32,500	53.4	193.3	30,200							105
110	22.1	152.8	25,600 *	32.3	169.3	29,200 *	37.1	176.2	31,700 *	44.1	184.3	30,500	50.1	189.4	28,400							110
115	13.6	137.3	22,700 *	27.0	160.6	27,200 *	32.6	169.0	29,400 *	40.2	178.8	28,700	46.6	185.0	26,700	52.3	188.5	24,700				115
120				20.5	149.2	25,300 *	27.3	160.3	27,400 *	36.0	172.4	27,100	43.0	179.9	25,200	48.9	184.4	23,300				120
125				10.9	131.5	22,900 *	21.0	149.1	25,500 *	31.3	164.9	25,600	39.0	174.2	23,800	45.4	179.7	22,000				125
130							11.7	132.1	23,600 *	25.8	155.7	24,300	34.6	167.5	22,500	41.6	174.5	20,800	47.4	178.3	19,100	130
135										19.0	143.6	23,000	29.7	159.5	21,400	37.5	168.4	19,700	43.8	173.4	18,100	135
140										7.7	122.5	21,800	24.0	149.7	20,300	33.0	161.3	18,700	39.9	167.8	17,200	140
145													16.4	136.1	19,200	27.8	152.8	17,700	35.6	161.3	16,300	145
150																21.6	141.9	16,900	30.9	153.7	15,500	150
155																12.7	125.7	16,000	25.4	144.4	14,700	155
160																			18.3	131.9	14,000	160
165																			5.9	108.7	13,200	165

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
Without Front Bumper Counterweight
360 Degree Rating On Fully Extended Outriggers

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5



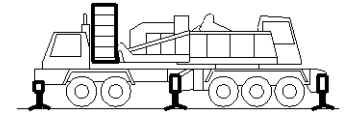
100 Ft. Boom, 120 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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	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	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
40	74.6	227.1	61,700 *																			40
45	72.1	225.6	59,400 *																			45
50	69.6	223.8	56,900 *																			50
55	67.0	221.9	54,500 *																			55
60	64.4	219.6	52,200 *	69.0	222.6	56,600 *																60
65	61.7	217.1	50,000 *	66.4	220.6	54,300 *																65
70	58.9	214.2	48,000 *	63.8	218.3	52,100 *	66.6	219.9	54,200 *													70
75	56.1	211.0	44,200 *	61.1	215.7	50,000 *	63.9	217.6	52,200 *													75
80	53.2	207.5	40,400 *	58.3	212.7	47,700 *	61.3	215.0	49,300 *													80
85	50.1	203.5	37,100 *	55.5	209.5	43,500 *	58.5	212.1	45,500 *													85
90	47.0	199.1	34,300 *	52.5	205.8	39,800 *	55.6	208.8	42,200 *	60.5	212.2	39,400 *										90
95	43.6	194.2	31,700 *	49.5	201.8	36,600 *	52.7	205.2	39,300 *	57.8	209.3	36,700 *										95
100	40.0	188.6	29,500 *	46.2	197.3	33,800 *	49.6	201.2	36,700 *	54.9	205.9	34,200 *										100
105	36.1	182.2	27,400 *	42.8	192.2	31,300 *	46.4	196.7	34,100 *	51.9	202.2	32,100 *	56.9	205.5	29,800 *							105
110	31.9	174.8	25,500 *	39.2	186.4	29,100 *	43.0	191.7	31,600 *	48.8	198.1	30,100 *	54.0	202.1	27,900 *							110
115	27.0	165.9	23,800 *	35.2	179.9	27,100 *	39.4	186.0	29,300 *	45.6	193.4	28,400 *	51.0	198.2	26,300 *							115
120	21.2	154.7	22,200 *	30.9	172.2	25,300 *	35.5	179.4	27,300 *	42.1	188.2	26,700 *	47.9	194.0	24,800 *	53.0	197.3	22,800 *				120
125	13.0	138.5	19,800 *	25.8	162.9	23,600 *	31.1	171.8	25,400 *	38.4	182.3	25,300 *	44.6	189.2	23,400 *	49.9	193.3	21,600 *				125
130				19.7	151.0	22,000 *	26.2	162.7	23,800 *	34.4	175.6	23,900 *	41.0	183.8	22,100 *	46.7	188.8	20,400 *				130
135				10.5	132.4	20,000 *	20.1	151.0	22,200 *	29.9	167.6	22,700 *	37.3	177.6	21,000 *	43.3	183.8	19,300 *				135
140							11.2	133.1	20,600 *	24.7	157.9	21,500 *	33.1	170.5	19,900 *	39.7	178.2	18,300 *	45.3	182.6	16,700 *	140
145										18.2	145.2	20,400 *	28.4	162.1	18,900 *	35.8	171.7	17,300 *	41.8	177.3	15,800 *	145
150										7.4	123.2	19,400 *	22.9	151.7	17,900 *	31.5	164.2	16,500 *	38.1	171.3	15,000 *	150
155													15.7	137.5	17,100 *	26.6	155.2	15,700 *	34.1	164.5	14,300 *	155
160																20.6	143.8	14,900 *	29.5	156.4	13,600 *	160
165																12.2	126.8	14,100 *	24.3	146.6	12,900 *	165
170																			17.6	133.5	12,200 *	170

Liftcrane Luffing Jib Capacities

**Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
Without Front Bumper Counterweight
360 Degree Rating On Fully Extended Outriggers**

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5



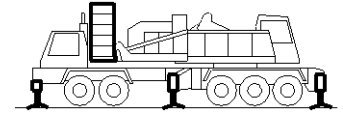
100 Ft. Boom, 130 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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	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	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
40	75.8	237.4	48,700 *																			40
45	73.5	236.1	47,800 *																			45
50	71.2	234.5	46,800 *																			50
55	68.8	232.6	46,000 *																			55
60	66.5	230.6	44,800 *	70.7	233.3	46,800 *																60
65	64.0	228.3	42,900 *	68.3	231.4	46,100 *																65
70	61.6	225.7	41,100 *	65.9	229.3	44,600 *																70
75	59.0	222.9	39,400 *	63.5	227.0	42,800 *	66.1	228.6	44,500 *													75
80	56.4	219.7	37,800 *	61.0	224.3	41,000 *	63.6	226.3	42,800 *													80
85	53.7	216.2	36,300 *	58.5	221.4	39,300 *	61.2	223.6	41,100 *													85
90	50.9	212.4	34,400 *	55.8	218.2	37,700 *	58.6	220.7	39,400 *	63.0	223.6	39,100										90
95	48.0	208.1	31,800 *	53.1	214.6	36,200 *	56.0	217.5	37,900 *	60.5	220.9	36,400										95
100	45.0	203.3	29,500 *	50.3	210.7	34,000 *	53.3	214.0	36,300 *	57.9	217.9	34,000										100
105	41.8	198.1	27,500 *	47.4	206.3	31,400 *	50.5	210.1	34,100	55.3	214.6	31,800										105
110	38.4	192.1	25,600 *	44.3	201.4	29,200 *	47.6	205.7	31,700 *	52.6	211.0	29,800	57.2	214.2	27,600							110
115	34.7	185.4	23,900 *	41.1	196.0	27,200 *	44.5	200.9	29,400 *	49.7	207.0	28,100	54.5	210.8	26,000							115
120	30.6	177.6	22,400 *	37.6	189.9	25,400 *	41.3	195.5	27,400 *	46.8	202.5	26,500	51.7	207.0	24,500							120
125	25.9	168.3	20,900 *	33.8	183.0	23,700 *	37.8	189.5	25,500 *	43.7	197.5	25,000	48.9	202.9	23,100							125
130	20.3	156.6	19,600 *	29.6	174.9	22,200 *	34.1	182.6	23,800 *	40.4	192.0	23,700	45.9	198.3	21,800	50.7	202.1	20,100				130
135	12.5	139.6	17,400 *	24.8	165.2	20,700 *	29.9	174.5	22,300 *	36.9	185.7	22,400	42.7	193.2	20,700	47.8	197.8	19,000				135
140				18.9	152.7	19,400 *	25.1	164.9	20,900 *	33.0	178.6	21,300	39.4	187.4	19,600	44.8	193.0	18,000				140
145				10.0	133.3	17,700 *	19.3	152.7	19,500 *	28.7	170.2	20,200	35.7	180.9	18,600	41.5	187.7	17,100	46.5	191.6	15,500	145
150							10.8	134.1	18,200 *	23.7	160.1	19,200	31.8	173.4	17,700	38.1	181.7	16,200	43.4	186.6	14,700	150
155										17.5	146.8	18,300	27.3	164.6	16,800	34.4	174.9	15,400	40.1	181.0	14,000	155
160										7.1	123.8	17,400	22.0	153.7	16,000	30.3	167.0	14,600	36.6	174.7	13,300	160
165													15.1	138.8	15,200	25.5	157.5	13,900	32.7	167.5	12,600	165
170																19.8	145.6	13,200	28.4	159.0	12,000	170
180																			16.9	135.0	10,800	180

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
 Boom No. 78T With Heavy Lift Top
 95,400 Lb. Crane Counterweight
 Without Front Bumper Counterweight
 360 Degree Rating On Fully Extended Outriggers

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5



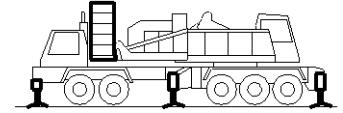
100 Ft. Boom, 140 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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	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	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	74.7	246.5	44,800 *																			45
50	72.6	245.0	44,000 *																			50
55	70.4	243.3	43,100 *																			55
60	68.2	241.4	41,300 *																			60
65	66.0	239.3	39,500 *	69.9	242.1	42,700 *																65
70	63.8	237.0	37,800 *	67.8	240.2	41,000 *																70
75	61.5	234.4	36,100 *	65.5	238.0	39,300 *	67.9	239.5	40,800 *													75
80	59.1	231.5	34,600 *	63.3	235.6	37,600 *	65.7	237.3	39,200 *													80
85	56.7	228.4	33,000 *	60.9	233.0	36,000 *	63.4	234.9	37,600 *													85
90	54.2	224.9	31,600 *	58.6	230.1	34,500 *	61.1	232.3	36,000 *													90
95	51.6	221.2	30,200 *	56.1	226.9	33,000 *	58.7	229.4	34,500 *	62.8	232.3	36,000										95
100	49.0	217.0	28,900 *	53.6	223.4	31,500 *	56.3	226.2	33,100 *	60.5	229.6	33,600										100
105	46.2	212.4	27,300 *	51.1	219.5	30,200 *	53.8	222.7	31,700 *	58.1	226.6	31,400										105
110	43.3	207.4	25,400 *	48.4	215.3	28,900 *	51.2	218.9	30,300 *	55.6	223.3	29,400										110
115	40.2	201.8	23,700 *	45.6	210.6	27,000 *	48.5	214.7	29,000 *	53.1	219.7	27,700	57.4	222.9	25,600							115
120	36.9	195.5	22,200 *	42.6	205.4	25,100 *	45.7	210.0	27,100 *	50.5	215.8	26,100	54.9	219.5	24,100							120
125	33.4	188.4	20,800 *	39.5	199.7	23,500 *	42.8	204.9	25,300 *	47.8	211.5	24,600	52.4	215.8	22,700							125
130	29.5	180.2	19,500 *	36.2	193.3	22,000 *	39.7	199.2	23,600 *	45.0	206.7	23,300	49.7	211.8	21,400							130
135	25.0	170.5	18,200 *	32.6	185.9	20,600 *	36.4	192.8	22,100 *	42.0	201.5	22,100	47.0	207.3	20,300	51.4	210.9	18,500				135
140	19.6	158.3	17,100 *	28.5	177.5	19,300 *	32.8	185.6	20,700 *	38.9	195.6	20,900	44.1	202.4	19,200	48.8	206.7	17,500				140
145	12.1	140.7	15,200 *	23.9	167.3	18,100 *	28.8	177.2	19,400 *	35.5	189.0	19,900	41.1	197.0	18,200	46.0	202.1	16,600				145
150				18.2	154.3	16,900 *	24.2	167.1	18,200 *	31.8	181.5	18,900	37.9	190.9	17,300	43.1	197.1	15,800	47.6	200.6	14,300	150
155				9.7	134.2	15,400 *	18.6	154.4	17,000 *	27.7	172.7	18,000	34.4	184.1	16,500	40.0	191.4	15,000	44.8	195.8	13,500	155
160							10.4	135.0	15,900 *	22.9	162.1	17,100	30.6	176.2	15,700	36.7	185.1	14,200	41.8	190.5	12,800	160
165										16.8	148.3	16,300	26.3	167.0	14,900	33.1	177.9	13,500	38.6	184.6	12,200	165
170										6.8	124.4	15,500	21.2	155.6	14,200	29.1	169.6	12,900	35.2	178.0	11,600	170
180																19.1	147.3	11,600	27.3	161.5	10,400	180
190																			16.2	136.4	9,400	190

Liftcrane Luffing Jib Capacities

**Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
Without Front Bumper Counterweight
360 Degree Rating On Fully Extended Outriggers**

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5



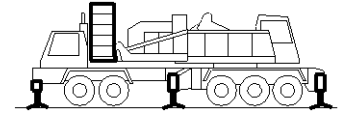
100 Ft. Boom, 150 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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	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	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	75.8	256.8	42,000 *																			45
50	73.8	255.4	41,200 *																			50
55	71.8	253.9	39,900 *																			55
60	69.8	252.1	38,200 *																			60
65	67.7	250.2	36,500 *																			65
70	65.6	248.0	34,900 *	69.3	250.9	37,800 *																70
75	63.5	245.7	33,300 *	67.3	248.9	36,200 *																75
80	61.4	243.0	31,800 *	65.2	246.7	34,600 *	67.4	248.2	36,100 *													80
85	59.2	240.2	30,300 *	63.0	244.3	33,100 *	65.3	246.0	34,600 *													85
90	56.9	237.1	29,000 *	60.9	241.6	31,600 *	63.2	243.6	33,100 *													90
95	54.6	233.7	27,600 *	58.7	238.7	30,200 *	61.0	241.0	31,700 *													95
100	52.2	229.9	26,300 *	56.4	235.6	28,800 *	58.8	238.1	30,300 *	62.6	240.9	32,300 *										100
105	49.8	225.9	25,100 *	54.1	232.1	27,500 *	56.5	234.9	28,900 *	60.4	238.2	31,000 *										105
110	47.2	221.5	24,000 *	51.7	228.3	26,200 *	54.2	231.5	27,600 *	58.2	235.3	29,300 *										110
115	44.5	216.6	22,900 *	49.2	224.2	25,100 *	51.8	227.7	26,400 *	55.9	232.0	27,600 *										115
120	41.8	211.3	21,900 *	46.6	219.7	23,900 *	49.4	223.6	25,200 *	53.6	228.5	26,000 *	57.5	231.5	23,900 *							120
125	38.8	205.4	20,800 *	43.9	214.7	22,800 *	46.8	219.1	24,000 *	51.2	224.6	24,500 *	55.2	228.2	22,600 *							125
130	35.6	198.8	19,500 *	41.1	209.3	21,800 *	44.1	214.2	22,900 *	48.7	220.4	23,200 *	52.9	224.6	21,300 *							130
135	32.2	191.4	18,300 *	38.1	203.2	20,600 *	41.3	208.7	21,900 *	46.1	215.8	21,900 *	50.5	220.6	20,200 *							135
140	28.4	182.8	17,200 *	34.9	196.5	19,300 *	38.3	202.7	20,700 *	43.4	210.8	20,800 *	47.9	216.3	19,100 *	52.0	219.7	17,400 *				140
145	24.1	172.7	16,100 *	31.4	188.8	18,100 *	35.1	196.0	19,400 *	40.5	205.2	19,800 *	45.3	211.6	18,100 *	49.6	215.6	16,500 *				145
150	18.9	160.0	15,100 *	27.5	180.0	17,000 *	31.6	188.4	18,300 *	37.5	199.1	18,800 *	42.5	206.4	17,200 *	47.0	211.2	15,600 *				150
155	11.7	141.7	13,400 *	23.1	169.4	16,000 *	27.8	179.7	17,200 *	34.2	192.1	17,900 *	39.6	200.7	16,300 *	44.3	206.3	14,900 *				155
160				17.6	155.9	15,000 *	23.4	169.2	16,100 *	30.7	184.3	17,000 *	36.5	194.3	15,500 *	41.5	200.9	14,100 *	45.9	205.0	12,700 *	160
165				9.4	135.0	13,700 *	17.9	156.0	15,100 *	26.7	175.1	16,200 *	33.2	187.1	14,800 *	38.6	195.0	13,400 *	43.2	199.9	12,100 *	165
170							10.0	135.9	14,100 *	22.1	164.1	15,500 *	29.5	178.9	14,100 *	35.4	188.3	12,800 *	40.3	194.3	11,500 *	170
180										6.6	125.0	13,900 *	20.5	157.5	12,800 *	28.1	172.2	11,600 *	34.0	181.1	10,300 *	180
190																18.4	148.9	10,500 *	26.4	163.9	9,300 *	190
200																			15.7	137.8	8,400 *	200

Liftcrane Luffing Jib Capacities

**Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
Without Front Bumper Counterweight
360 Degree Rating On Fully Extended Outriggers**

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5



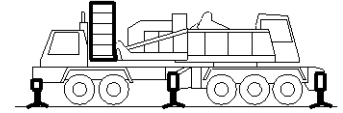
100 Ft. Boom, 160 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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	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	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	74.8	265.8	38,300 *																			50
55	73.0	264.4	36,600 *																			55
60	71.1	262.7	35,000 *																			60
65	69.2	260.9	33,400 *																			65
70	67.2	258.9	31,800 *	70.7	261.6	34,500 *																70
75	65.3	256.7	30,300 *	68.7	259.7	33,000 *																75
80	63.3	254.3	28,800 *	66.8	257.7	31,500 *																80
85	61.3	251.7	27,400 *	64.8	255.4	30,100 *	66.9	257.0	31,400 *													85
90	59.2	248.8	26,100 *	62.9	253.0	28,700 *	65.0	254.7	30,000 *													90
95	57.1	245.7	24,800 *	60.8	250.3	27,300 *	63.0	252.3	28,700 *													95
100	54.9	242.4	23,600 *	58.7	247.4	25,900 *	60.9	249.6	27,300 *													100
105	52.7	238.7	22,400 *	56.6	244.2	24,700 *	58.9	246.7	26,000 *	62.4	249.6	28,000 *										105
110	50.4	234.8	21,300 *	54.5	240.8	23,400 *	56.8	243.6	24,700 *	60.4	246.9	26,700 *										110
115	48.1	230.4	20,200 *	52.2	237.1	22,300 *	54.6	240.2	23,500 *	58.3	243.9	25,500 *										115
120	45.6	225.8	19,200 *	49.9	233.0	21,100 *	52.4	236.5	22,400 *	56.2	240.7	24,300 *										120
125	43.1	220.6	18,200 *	47.5	228.7	20,100 *	50.1	232.4	21,200 *	54.0	237.2	23,100 *	57.7	240.2	22,200							125
130	40.4	215.0	17,300 *	45.1	223.9	19,000 *	47.7	228.1	20,100 *	51.8	233.4	22,000 *	55.5	236.9	20,900							130
135	37.5	208.8	16,400 *	42.5	218.7	18,100 *	45.2	223.3	19,100 *	49.5	229.3	20,900 *	53.3	233.3	19,800							135
140	34.5	202.0	15,600 *	39.8	212.9	17,200 *	42.6	218.1	18,200 *	47.1	224.9	19,900 *	51.1	229.5	18,700							140
145	31.2	194.2	14,800 *	36.9	206.6	16,300 *	39.9	212.4	17,300 *	44.6	220.0	18,900 *	48.7	225.3	17,700	52.5	228.5	16,100				145
150	27.5	185.3	14,100 *	33.8	199.5	15,500 *	37.0	206.2	16,400 *	41.9	214.7	17,900 *	46.3	220.7	16,800	50.3	224.5	15,200				150
155	23.3	174.8	13,500 *	30.4	191.6	14,700 *	34.0	199.1	15,600 *	39.2	208.9	17,000 *	43.8	215.7	16,000	47.9	220.2	14,400				155
160	18.3	161.6	12,900 *	26.6	182.4	14,000 *	30.6	191.2	14,800 *	36.3	202.4	16,200 *	41.1	210.2	15,200	45.4	215.4	13,700				160
165	11.3	142.7	11,700 *	22.3	171.4	13,400 *	26.9	182.1	14,100 *	33.1	195.2	15,400 *	38.3	204.2	14,400	42.9	210.3	13,000	46.9	214.0	11,600	165
170				17.0	157.4	12,800 *	22.6	171.3	13,400 *	29.7	187.0	14,600 *	35.3	197.5	13,700	40.2	204.6	12,400	44.4	209.1	11,000	170
180							9.7	136.7	12,200 *	21.4	166.0	13,300 *	28.6	181.5	12,500	34.2	191.5	11,200	39.0	197.9	9,900	180
190										6.4	125.5	12,000 *	19.8	159.3	11,300	27.2	174.6	10,100	32.9	184.1	8,900	190
200																17.9	150.5	9,100	25.5	166.2	8,000	200
210																			15.2	139.2	7,200	210

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
Without Front Bumper Counterweight
360 Degree Rating On Fully Extended Outriggers

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5



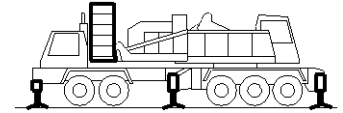
100 Ft. Boom, 170 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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	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	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	75.7	276.2	34,800 *																			50
55	74.0	274.8	33,800 *																			55
60	72.2	273.3	32,200 *																			60
65	70.4	271.6	30,700 *																			65
70	68.6	269.7	29,300 *																			70
75	66.8	267.7	27,800 *	70.0	270.4	30,300 *																75
80	65.0	265.4	26,400 *	68.2	268.5	28,900 *																80
85	63.1	263.0	25,100 *	66.4	266.4	27,600 *																85
90	61.2	260.4	23,800 *	64.6	264.1	26,200 *	66.5	265.7	27,500 *													90
95	59.3	257.5	22,600 *	62.7	261.7	24,900 *	64.7	263.4	26,200 *													95
100	57.3	254.4	21,400 *	60.8	259.0	23,600 *	62.8	261.0	24,900 *													100
105	55.2	251.1	20,200 *	58.8	256.1	22,400 *	60.9	258.3	23,700 *													105
110	53.2	247.5	19,100 *	56.8	252.9	21,200 *	58.9	255.4	22,500 *	62.3	258.3	24,300 *										110
115	51.0	243.6	18,100 *	54.8	249.5	20,100 *	57.0	252.3	21,300 *	60.4	255.5	23,100 *										115
120	48.8	239.4	17,100 *	52.7	245.9	19,000 *	54.9	248.9	20,200 *	58.4	252.6	22,000 *										120
125	46.6	234.8	16,200 *	50.6	241.9	18,000 *	52.8	245.2	19,100 *	56.4	249.4	20,900 *										125
130	44.2	229.9	15,300 *	48.3	237.6	17,000 *	50.7	241.3	18,100 *	54.4	245.9	19,800 *	57.8	248.9	20,600							130
135	41.7	224.5	14,500 *	46.0	233.0	16,100 *	48.5	237.0	17,100 *	52.3	242.2	18,800 *	55.8	245.6	19,500							135
140	39.1	218.6	13,600 *	43.7	228.0	15,200 *	46.2	232.4	16,200 *	50.1	238.2	17,800 *	53.8	242.1	18,400							140
145	36.4	212.2	12,900 *	41.2	222.5	14,300 *	43.8	227.4	15,300 *	47.9	233.9	16,800 *	51.6	238.3	17,400							145
150	33.4	205.0	12,200 *	38.5	216.5	13,500 *	41.3	222.0	14,400 *	45.6	229.1	15,900 *	49.5	234.2	16,500	53.0	237.3	14,900				150
155	30.2	197.0	11,400 *	35.7	209.9	12,800 *	38.7	216.0	13,600 *	43.2	224.0	15,000 *	47.2	229.7	15,700	50.9	233.3	14,100				155
160	26.7	187.7	10,500 *	32.7	202.5	12,100 *	35.9	209.4	12,800 *	40.6	218.5	14,200 *	44.9	224.9	14,900	48.7	229.1	13,400				160
165	22.6	176.8	9,700 *	29.5	194.2	11,200 *	32.9	202.1	12,100 *	38.0	212.4	13,400 *	42.4	219.6	14,100	46.4	224.5	12,700				165
170	17.8	163.2	9,000 *	25.8	184.7	10,400 *	29.7	193.9	11,300 *	35.1	205.6	12,700 *	39.9	213.9	13,400	44.0	219.6	12,100	47.7	223.0	10,700	170
180				16.5	158.9	8,900 *	21.9	173.2	9,600 *	28.8	189.6	11,100 *	34.3	200.7	12,200	38.9	208.2	10,900	43.0	213.1	9,600	180
190							9.4	137.6	8,300 *	20.7	167.9	9,400 *	27.7	184.0	10,800 *	33.2	194.5	9,800	37.8	201.4	8,600	190
200										6.2	126.1	8,100 *	19.2	161.0	9,200 *	26.4	177.0	8,900	31.8	187.0	7,800	200
210																17.3	152.1	8,000	24.7	168.4	7,000	210
220																			14.7	140.5	6,200	220

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
 Boom No. 78T With Heavy Lift Top
 95,400 Lb. Crane Counterweight
 Without Front Bumper Counterweight
 360 Degree Rating On Fully Extended Outriggers

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5



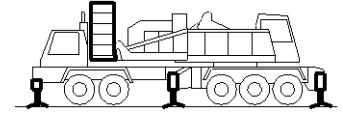
110 Ft. Boom, 70 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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	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	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
35	67.7	186.2	98,100 *b																			35
40	63.2	183.9	93,100 *b																			40
45	58.5	181.1	88,500 *	67.5	185.2	88,900 *b																45
50	53.6	177.7	77,000 *	63.0	182.9	83,000 *b																50
55	48.3	173.7	67,600 *	58.3	180.1	77,600 *	63.7	182.4	76,400 *b													55
60	42.6	168.7	60,000 *	53.3	176.7	72,700 *	59.1	179.7	71,700 *													60
65	36.1	162.6	53,700 *	48.1	172.6	66,700 *	54.2	176.4	65,700													65
70	28.4	154.7	48,400 *	42.3	167.6	59,900 *	48.9	172.4	59,600	58.7	177.2	55,800										70
75	18.0	143.1	42,100 *	35.8	161.5	53,700 *	43.3	167.6	54,500	53.7	173.8	51,000										75
80				28.0	153.4	48,400 *	36.9	161.6	50,200	48.5	169.8	46,900	58.0	173.7	43,700							80
85				17.4	141.5	43,600 *	29.4	154.0	46,400	42.7	164.9	43,400	53.0	170.3	40,400							85
90							19.5	143.0	43,000	36.3	158.8	40,200	47.7	166.2	37,500							90
95										28.7	151.0	37,500	41.9	161.1	34,900	52.0	165.7	32,300				95
100										18.4	139.5	35,000	35.4	154.9	32,600	46.6	161.4	30,200				100
105													27.5	146.7	30,600	40.7	156.2	28,300				105
110													16.6	134.3	28,700	34.0	149.6	26,600	45.1	155.5	24,500	110
115																25.7	140.9	25,000	39.0	150.0	23,100	115
120																13.5	126.9	23,600	31.9	143.0	21,700	120
125																			23.1	133.3	20,500	125
130																			7.5	115.0	19,300	130

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
Without Front Bumper Counterweight
360 Degree Rating On Fully Extended Outriggers

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5



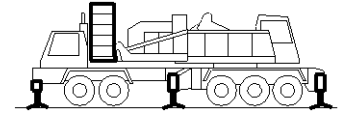
110 Ft. Boom, 80 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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	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	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
35	70.6	196.9	89,700 *b																			35
40	66.8	194.9	86,400 *b																			40
45	62.8	192.6	83,100 *	70.4	195.9	86,100 *b																45
50	58.7	189.8	77,600 *	66.6	194.0	80,700 *b																50
55	54.4	186.5	68,100 *	62.6	191.6	75,800 *	67.2	193.4	74,400 *b													55
60	49.9	182.6	60,500 *	58.5	188.8	71,300 *	63.3	191.1	70,000 *													60
65	45.0	178.0	54,200 *	54.2	185.4	66,100 *	59.2	188.3	65,300													65
70	39.7	172.5	48,900 *	49.7	181.5	60,400 *	54.9	185.1	59,300	62.9	188.6	55,300										70
75	33.7	165.8	44,400 *	44.8	176.9	54,200 *	50.4	181.3	54,200	58.8	185.8	50,500										75
80	26.6	157.2	40,500 *	39.4	171.4	48,900 *	45.6	176.8	49,800	54.5	182.6	46,500										80
85	16.9	144.6	35,500 *	33.4	164.6	44,400 *	40.3	171.4	46,000	50.0	178.7	42,900										85
90				26.2	155.8	40,500 *	34.4	164.9	42,700	45.2	174.1	39,900	53.9	179.0	37,000							90
95				16.3	143.0	36,800 *	27.5	156.5	39,800	39.8	168.7	37,100	49.4	175.1	34,400							95
100							18.3	144.7	37,200	33.9	162.0	34,700	44.5	170.4	32,200							100
105										26.8	153.5	32,500	39.1	164.8	30,200	48.4	170.4	27,800				105
110										17.2	141.1	30,500	33.0	157.9	28,300	43.5	165.6	26,100				110
115													25.7	149.1	26,700	38.0	159.8	24,600	47.1	164.6	22,600	115
120													15.5	135.7	25,100	31.7	152.6	23,200	42.0	159.5	21,300	120
125																24.0	143.1	21,900	36.4	153.4	20,100	125
130																12.6	128.0	20,700	29.8	145.7	19,000	130
135																			21.6	135.3	17,900	135
140																			7.0	115.6	16,900	140

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
 Boom No. 78T With Heavy Lift Top
 95,400 Lb. Crane Counterweight
 Without Front Bumper Counterweight
 360 Degree Rating On Fully Extended Outriggers

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5



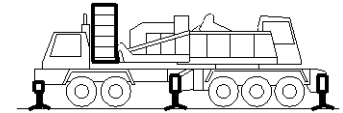
110 Ft. Boom, 90 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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	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	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
35	72.8	207.4	80,500 *b																			35
40	69.5	205.7	77,300 *b																			40
45	66.0	203.6	73,900 *																			45
50	62.5	201.2	70,800 *	69.3	204.7	77,400 *b																50
55	58.8	198.4	68,000 *	65.9	202.7	73,000 *																55
60	55.1	195.2	60,600 *	62.3	200.2	68,900 *	66.4	202.1	67,500 *													60
65	51.1	191.4	54,300 *	58.7	197.4	65,100 *	62.9	199.7	63,900 *													65
70	46.8	187.1	49,100 *	54.9	194.1	60,500 *	59.3	197.0	59,000													70
75	42.3	182.0	44,600 *	50.9	190.4	54,300 *	55.5	193.8	53,900	62.6	197.3	50,300										75
80	37.3	176.0	40,800 *	46.6	186.0	49,000 *	51.5	190.1	49,600	59.0	194.5	46,200										80
85	31.7	168.7	37,400 *	42.1	180.9	44,600 *	47.4	185.8	45,800	55.2	191.3	42,700										85
90	25.0	159.5	34,400 *	37.1	174.8	40,800 *	42.9	180.8	42,500	51.2	187.5	39,600										90
95	15.9	146.1	30,500 *	31.4	167.5	37,400 *	37.9	175.0	39,600	47.0	183.2	36,900	54.6	187.8	34,100							95
100				24.7	158.1	34,400 *	32.4	167.9	37,100	42.4	178.1	34,500	50.6	183.9	31,900							100
105				15.4	144.4	31,600 *	25.9	158.9	34,700	37.5	172.2	32,300	46.4	179.5	29,900							105
110							17.2	146.2	32,100 *	31.9	164.9	30,400	41.8	174.4	28,100	49.8	179.3	25,800				110
115										25.2	155.8	28,600	36.8	168.2	26,400	45.5	174.7	24,300				115
120										16.2	142.5	27,000	31.1	160.8	24,900	40.9	169.4	22,900				120
125													24.2	151.3	23,500	35.7	163.1	21,600	44.3	168.8	19,800	125
130													14.6	137.1	22,300	29.8	155.3	20,500	39.5	163.2	18,700	130
135																22.6	145.2	19,400	34.2	156.6	17,700	135
140																11.9	129.1	18,300	28.1	148.3	16,700	140
145																			20.3	137.2	15,900	145
150																			6.6	116.2	15,000	150

Liftcrane Luffing Jib Capacities

**Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
Without Front Bumper Counterweight
360 Degree Rating On Fully Extended Outriggers**

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5



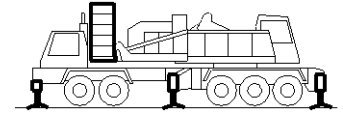
110 Ft. Boom, 100 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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	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	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
35	74.6	217.8	74,100 *b																			35
40	71.6	216.3	71,500 *b																			40
45	68.6	214.5	68,900 *																			45
50	65.4	212.4	65,800 *																			50
55	62.3	209.9	63,000 *	68.4	213.5	69,300 *																55
60	59.0	207.1	60,500 *	65.3	211.4	66,300 *																60
65	55.6	203.9	54,200 *	62.1	208.9	63,400 *	65.8	210.8	62,100 *													65
70	52.0	200.2	49,000 *	58.8	206.1	60,100 *	62.6	208.4	58,600													70
75	48.3	196.0	44,500 *	55.4	202.8	54,100 *	59.4	205.6	53,500													75
80	44.3	191.3	40,700 *	51.8	199.2	48,900 *	56.0	202.5	49,200	62.3	206.0	45,700										80
85	40.0	185.7	37,400 *	48.1	195.0	44,500 *	52.4	198.9	45,500	59.1	203.2	42,200										85
90	35.4	179.3	34,400 *	44.1	190.2	40,700 *	48.7	194.8	42,200	55.7	200.0	39,200										90
95	30.1	171.5	31,800 *	39.8	184.6	37,400 *	44.8	190.1	39,300	52.1	196.3	36,500										95
100	23.7	161.6	29,400 *	35.1	178.1	34,500 *	40.6	184.6	36,700	48.4	192.2	34,100	55.2	196.5	31,400							100
105	15.1	147.4	26,200 *	29.8	170.2	31,800 *	35.9	178.3	34,400	44.4	187.4	31,900	51.6	192.8	29,400							105
110				23.4	160.2	29,500 *	30.7	170.7	32,300 *	40.2	181.9	30,000	47.9	188.5	27,600							110
115				14.6	145.7	27,200 *	24.5	161.1	29,900 *	35.5	175.5	28,200	43.9	183.7	26,000	50.9	188.1	23,800				115
120							16.3	147.7	27,700 *	30.2	167.7	26,600	39.6	178.1	24,500	47.1	183.8	22,400				120
125										23.9	157.9	25,200	34.8	171.5	23,200	43.1	178.8	21,200				125
130										15.4	143.9	23,800	29.4	163.5	21,900	38.7	173.0	20,000	46.0	177.9	18,200	130
135													22.9	153.3	20,700	33.8	166.2	19,000	41.9	172.7	17,200	135
140													13.9	138.3	19,700	28.3	157.9	18,000	37.4	166.7	16,300	140
145																21.5	147.1	17,000	32.4	159.6	15,400	145
150																11.3	130.1	16,100	26.6	150.7	14,600	150
155																			19.3	138.9	13,900	155
160																			6.2	116.8	13,100	160

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
 Boom No. 78T With Heavy Lift Top
 95,400 Lb. Crane Counterweight
 Without Front Bumper Counterweight
 360 Degree Rating On Fully Extended Outriggers

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5



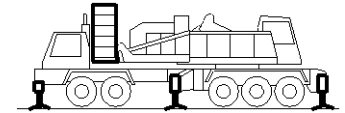
110 Ft. Boom, 110 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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	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	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
35	76.0	228.1	68,400 *b																			35
40	73.3	226.8	66,200 *																			40
45	70.6	225.1	63,700 *																			45
50	67.8	223.2	61,200 *																			50
55	65.0	221.1	58,800 *	70.5	224.2	63,900 *																55
60	62.1	218.6	56,500 *	67.7	222.3	61,600 *																60
65	59.1	215.7	54,100 *	64.8	220.1	59,200 *																65
70	56.0	212.6	49,100 *	61.9	217.6	57,000 *	65.3	219.5	57,600 *													70
75	52.8	209.0	44,700 *	58.9	214.7	54,300 *	62.4	217.1	53,500													75
80	49.4	204.9	40,900 *	55.8	211.5	49,100 *	59.4	214.3	49,100													80
85	45.9	200.4	37,600 *	52.6	207.9	44,600 *	56.3	211.2	45,400	62.1	214.6	42,100										85
90	42.1	195.2	34,600 *	49.3	203.9	40,900 *	53.1	207.6	42,100	59.1	211.8	39,100										90
95	38.1	189.3	32,100 *	45.7	199.3	37,600 *	49.8	203.7	39,200	56.1	208.7	36,400										95
100	33.7	182.4	29,800 *	42.0	194.1	34,700 *	46.3	199.2	36,700	52.9	205.1	34,000										100
105	28.6	174.1	27,700 *	37.9	188.1	32,100 *	42.6	194.1	34,400	49.5	201.1	31,800	55.6	205.2	29,300							105
110	22.6	163.7	25,700 *	33.4	181.2	29,800 *	38.6	188.2	32,300	46.0	196.5	29,900	52.4	201.5	27,600							110
115	14.4	148.7	23,000 *	28.4	172.8	27,700 *	34.2	181.5	30,200 *	42.3	191.4	28,200	49.1	197.5	25,900							115
120				22.3	162.2	25,800 *	29.3	173.4	28,100 *	38.2	185.5	26,600	45.5	192.8	24,500	51.8	196.9	22,400				120
125				13.9	146.9	23,900 *	23.4	163.3	26,100 *	33.8	178.6	25,100	41.7	187.6	23,100	48.4	192.8	21,100				125
130							15.5	149.1	24,300 *	28.8	170.4	23,800	37.7	181.6	21,900	44.8	188.0	20,000				130
135										22.8	160.0	22,600	33.2	174.5	20,700	41.0	182.6	18,900	47.4	186.9	17,100	135
140										14.7	145.2	21,400	28.0	166.1	19,700	36.8	176.4	17,900	43.8	182.0	16,200	140
145													21.9	155.3	18,700	32.2	169.2	17,000	39.9	176.5	15,400	145
150													13.2	139.5	17,700	26.9	160.4	16,100	35.6	170.0	14,600	150
155																20.5	149.0	15,300	30.9	162.4	13,900	155
160																10.8	131.1	14,600	25.4	153.0	13,200	160
165																			18.3	140.6	12,500	165
170																			5.9	117.3	11,900	170

Liftcrane Luffing Jib Capacities

**Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
Without Front Bumper Counterweight
360 Degree Rating On Fully Extended Outriggers**

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5



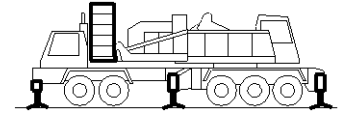
110 Ft. Boom, 120 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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	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	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
40	74.8	237.2	61,000 *																			40
45	72.3	235.7	59,000 *																			45
50	69.7	234.0	56,600 *																			50
55	67.2	232.0	54,200 *																			55
60	64.6	229.8	52,000 *	69.6	233.0	56,700 *																60
65	61.9	227.2	49,900 *	67.1	231.0	54,500 *																65
70	59.1	224.4	47,900 *	64.4	228.8	52,400 *	67.5	230.5	54,500 *													70
75	56.3	221.2	44,500 *	61.8	226.3	50,400 *	64.9	228.3	52,600 *													75
80	53.4	217.7	40,700 *	59.0	223.4	48,400 *	62.2	225.8	48,800													80
85	50.4	213.8	37,400 *	56.2	220.2	44,500 *	59.5	223.0	45,000													85
90	47.2	209.4	34,500 *	53.3	216.7	40,700 *	56.6	219.9	41,800	62.0	223.3	38,700										90
95	43.8	204.5	31,900 *	50.2	212.8	37,400 *	53.7	216.4	38,900	59.2	220.5	36,000										95
100	40.3	199.0	29,600 *	47.0	208.3	34,500 *	50.7	212.5	36,300	56.4	217.3	33,600										100
105	36.4	192.6	27,600 *	43.7	203.4	31,900 *	47.6	208.2	34,000	53.5	213.8	31,400										105
110	32.2	185.3	25,700 *	40.1	197.8	29,700 *	44.2	203.3	32,000	50.4	209.9	29,500	56.0	213.9	27,100							110
115	27.4	176.6	24,000 *	36.2	191.5	27,600 *	40.7	197.9	30,100 *	47.3	205.6	27,800	53.1	210.3	25,500							115
120	21.6	165.6	22,400 *	32.0	184.1	25,700 *	36.9	191.6	28,000 *	43.9	200.7	26,200	50.0	206.3	24,000							120
125	13.8	149.9	20,100 *	27.1	175.3	24,000 *	32.7	184.5	26,100 *	40.4	195.1	24,800	46.8	201.9	22,700	52.5	205.7	20,600				125
130				21.3	164.2	22,400 *	28.0	175.9	24,300 *	36.5	188.8	23,400	43.5	196.9	21,400	49.4	201.7	19,500				130
135				13.3	148.1	20,900 *	22.4	165.3	22,700 *	32.3	181.5	22,200	39.9	191.3	20,300	46.2	197.1	18,400				135
140							14.9	150.4	21,200 *	27.5	172.9	21,100	36.0	184.9	19,300	42.8	192.0	17,500				140
145										21.8	162.0	20,000	31.7	177.4	18,300	39.1	186.3	16,600	45.3	191.2	14,900	145
150										14.0	146.5	19,000	26.8	168.5	17,400	35.2	179.7	15,700	41.8	186.0	14,100	150
155													20.9	157.2	16,500	30.8	172.0	14,900	38.1	180.0	13,400	155
160													12.6	140.6	15,700	25.8	162.7	14,200	34.1	173.1	12,700	160
165																19.6	150.7	13,500	29.5	165.1	12,100	165
170																10.3	132.0	12,800	24.3	155.2	11,500	170
180																			5.7	117.8	10,300	180

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
 Boom No. 78T With Heavy Lift Top
 95,400 Lb. Crane Counterweight
 Without Front Bumper Counterweight
 360 Degree Rating On Fully Extended Outriggers

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5



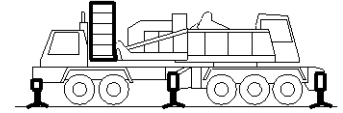
110 Ft. Boom, 130 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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	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	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
40	76.0	247.5	48,100 *																			40
45	73.7	246.2	47,200 *																			45
50	71.4	244.6	46,300 *																			50
55	69.0	242.8	45,400 *																			55
60	66.6	240.7	44,700 *																			60
65	64.2	238.4	42,900 *	68.9	241.8	45,700 *																65
70	61.7	235.9	41,100 *	66.5	239.8	44,800 *																70
75	59.2	233.1	39,400 *	64.1	237.5	43,000 *	66.9	239.2	44,800 *													75
80	56.6	229.9	37,800 *	61.6	234.9	41,300 *	64.5	236.9	43,200 *													80
85	53.9	226.5	36,300 *	59.1	232.1	39,600 *	62.0	234.4	41,500 *													85
90	51.1	222.6	34,600 *	56.5	228.9	38,100 *	59.5	231.6	39,900 *													90
95	48.3	218.4	32,000 *	53.8	225.4	36,600 *	56.9	228.5	38,400 *	61.8	232.0	35,700										95
100	45.2	213.7	29,700 *	51.0	221.6	34,600 *	54.2	225.1	36,000	59.3	229.2	33,300										100
105	42.0	208.4	27,600 *	48.1	217.3	32,000 *	51.5	221.3	33,800	56.7	226.0	31,100										105
110	38.6	202.6	25,800 *	45.1	212.6	29,700 *	48.6	217.1	31,700	54.0	222.6	29,200										110
115	34.9	195.9	24,100 *	41.9	207.3	27,700 *	45.6	212.5	29,900	51.2	218.8	27,500	56.3	222.6	25,200							115
120	30.9	188.1	22,500 *	38.5	201.4	25,800 *	42.4	207.3	28,100 *	48.3	214.5	25,900	53.6	219.0	23,700							120
125	26.3	179.0	21,000 *	34.8	194.7	24,100 *	39.0	201.5	26,200 *	45.3	209.8	24,500	50.8	215.2	22,400							125
130	20.8	167.5	19,700 *	30.7	186.9	22,500 *	35.4	194.9	24,400 *	42.1	204.6	23,200	47.9	210.9	21,100							130
135	13.2	151.1	17,600 *	26.1	177.6	21,100 *	31.4	187.3	22,800 *	38.7	198.7	22,000	44.9	206.1	20,000	50.3	210.5	18,100				135
140				20.5	166.0	19,700 *	26.9	178.4	21,400 *	35.1	192.1	20,800	41.7	200.8	19,000	47.4	206.2	17,200				140
145				12.8	149.3	18,400 *	21.5	167.2	20,000 *	31.0	184.4	19,800	38.2	194.9	18,000	44.3	201.3	16,300				145
150							14.3	151.7	18,700 *	26.4	175.3	18,800	34.5	188.1	17,100	41.0	195.9	15,400	46.5	200.3	13,800	150
155										20.9	163.9	17,900	30.4	180.2	16,300	37.6	189.8	14,700	43.4	195.3	13,100	155
160										13.5	147.7	17,000	25.7	170.8	15,500	33.8	182.8	13,900	40.1	189.7	12,400	160
165													20.1	159.0	14,700	29.6	174.7	13,200	36.6	183.4	11,800	165
170													12.1	141.7	14,000	24.7	164.9	12,600	32.7	176.1	11,200	170
180																9.9	132.9	11,400	23.3	157.3	10,100	180
190																			5.5	118.3	9,100	190

Liftcrane Luffing Jib Capacities

**Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
Without Front Bumper Counterweight
360 Degree Rating On Fully Extended Outriggers**

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5



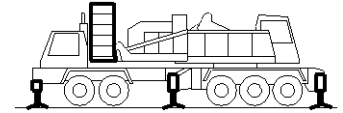
110 Ft. Boom, 140 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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	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	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	74.9	256.5	44,300 *																			45
50	72.7	255.1	43,400 *																			50
55	70.6	253.4	42,700 *																			55
60	68.4	251.6	41,200 *																			60
65	66.2	249.5	39,400 *	70.5	252.5	42,700 *																65
70	63.9	247.1	37,700 *	68.3	250.6	41,100 *																70
75	61.6	244.6	36,100 *	66.1	248.5	39,500 *																75
80	59.3	241.7	34,600 *	63.8	246.2	37,900 *	66.4	247.9	39,500 *													80
85	56.9	238.6	33,100 *	61.5	243.6	36,300 *	64.2	245.6	38,000 *													85
90	54.4	235.2	31,700 *	59.2	240.7	34,800 *	61.9	243.1	36,500 *													90
95	51.8	231.4	30,300 *	56.7	237.6	33,300 *	59.5	240.3	35,000 *													95
100	49.2	227.3	29,000 *	54.3	234.2	31,900 *	57.1	237.2	33,500 *	61.7	240.6	32,900										100
105	46.4	222.8	27,400 *	51.7	230.4	30,500 *	54.7	233.8	32,100 *	59.3	237.8	30,700										105
110	43.5	217.8	25,500 *	49.0	226.3	29,200 *	52.1	230.1	30,800 *	56.9	234.7	28,800										110
115	40.4	212.2	23,900 *	46.3	221.7	27,400 *	49.5	226.0	29,500 *	54.4	231.3	27,100										115
120	37.2	206.0	22,300 *	43.4	216.7	25,600 *	46.7	221.5	27,800 *	51.9	227.6	25,500	56.6	231.2	23,300							120
125	33.6	198.9	20,900 *	40.3	211.1	23,900 *	43.8	216.6	25,900 *	49.2	223.4	24,100	54.1	227.8	21,900							125
130	29.7	190.9	19,600 *	37.0	204.8	22,300 *	40.8	211.1	24,200 *	46.5	218.9	22,800	51.5	224.0	20,700							130
135	25.3	181.3	18,300 *	33.5	197.7	20,900 *	37.6	205.0	22,600 *	43.6	213.9	21,600	48.9	219.8	19,600							135
140	20.0	169.3	17,200 *	29.6	189.6	19,600 *	34.1	198.0	21,200 *	40.5	208.4	20,500	46.1	215.2	18,600	51.0	219.4	16,700				140
145	12.7	152.3	15,400 *	25.1	179.9	18,400 *	30.2	190.1	19,900 *	37.3	202.2	19,400	43.2	210.2	17,600	48.3	215.1	15,800				145
150				19.7	167.8	17,200 *	25.9	180.7	18,600 *	33.7	195.2	18,500	40.1	204.5	16,700	45.5	210.5	15,000				150
155				12.3	150.4	16,100 *	20.7	169.1	17,500 *	29.9	187.1	17,600	36.8	198.2	15,900	42.6	205.3	14,200	47.6	209.3	12,600	155
160							13.8	152.9	16,300 *	25.4	177.6	16,700	33.2	191.1	15,100	39.5	199.5	13,500	44.8	204.5	12,000	160
165										20.2	165.7	15,900	29.3	182.9	14,400	36.1	193.1	12,800	41.8	199.2	11,300	165
170										13.0	148.9	15,200	24.8	173.1	13,700	32.5	185.8	12,200	38.6	193.3	10,800	170
180													11.7	142.8	12,400	23.8	167.1	11,000	31.5	179.0	9,700	180
190																9.5	133.7	9,900	22.4	159.3	8,700	190
200																			5.3	118.8	7,800	200

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
 Boom No. 78T With Heavy Lift Top
 95,400 Lb. Crane Counterweight
 Without Front Bumper Counterweight
 360 Degree Rating On Fully Extended Outriggers

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5



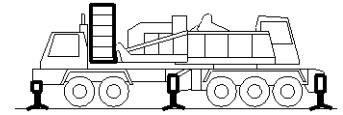
110 Ft. Boom, 150 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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	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	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	75.9	266.9	41,400 *																			45
50	73.9	265.5	40,700 *																			50
55	71.9	264.0	39,700 *																			55
60	69.9	262.3	38,000 *																			60
65	67.8	260.3	36,400 *																			65
70	65.8	258.2	34,800 *	69.8	261.3	37,900 *																70
75	63.7	255.8	33,300 *	67.8	259.4	36,400 *																75
80	61.5	253.2	31,800 *	65.7	257.2	34,900 *																80
85	59.3	250.4	30,400 *	63.6	254.8	33,400 *	66.0	256.7	34,900 *													85
90	57.1	247.3	29,000 *	61.4	252.2	31,900 *	63.9	254.3	33,500 *													90
95	54.8	243.9	27,700 *	59.2	249.4	30,500 *	61.8	251.8	32,100 *													95
100	52.4	240.2	26,400 *	57.0	246.3	29,200 *	59.6	249.0	30,700 *													100
105	49.9	236.2	25,200 *	54.6	242.9	27,800 *	57.3	245.9	29,400 *	61.6	249.3	30,600										105
110	47.4	231.8	24,100 *	52.3	239.2	26,600 *	55.0	242.5	28,100 *	59.4	246.5	28,700										110
115	44.7	227.0	23,000 *	49.8	235.1	25,400 *	52.7	238.9	26,800 *	57.1	243.4	27,000										115
120	42.0	221.7	22,000 *	47.3	230.7	24,200 *	50.2	234.9	25,600 *	54.8	240.0	25,400										120
125	39.0	215.8	20,900 *	44.6	225.9	23,100 *	47.7	230.5	24,500 *	52.4	236.3	24,000	56.8	239.9	21,800							125
130	35.9	209.3	19,600 *	41.8	220.6	22,100 *	45.0	225.8	23,400 *	50.0	232.3	22,700	54.5	236.5	20,600							130
135	32.5	201.9	18,400 *	38.9	214.7	20,900 *	42.3	220.5	22,300 *	47.5	227.9	21,500	52.1	232.8	19,500							135
140	28.7	193.5	17,300 *	35.7	208.1	19,600 *	39.4	214.7	21,200 *	44.8	223.1	20,300	49.7	228.7	18,400							140
145	24.4	183.5	16,200 *	32.3	200.7	18,400 *	36.2	208.3	19,900 *	42.0	217.8	19,300	47.1	224.3	17,500	51.7	228.2	15,700				145
150	19.3	171.0	15,200 *	28.5	192.2	17,300 *	32.9	201.0	18,700 *	39.1	212.0	18,400	44.4	219.4	16,600	49.2	224.0	14,900				150
155	12.3	153.4	13,600 *	24.2	182.1	16,300 *	29.2	192.7	17,500 *	36.0	205.5	17,500	41.6	214.0	15,800	46.6	219.5	14,100				155
160				19.0	169.5	15,300 *	25.0	182.9	16,500 *	32.6	198.1	16,600	38.7	208.1	15,000	43.9	214.6	13,400				160
165				11.9	151.4	14,300 *	20.0	170.9	15,500 *	28.8	189.7	15,800	35.5	201.5	14,300	41.1	209.1	12,700	45.9	213.6	11,200	165
170							13.3	154.1	14,500 *	24.6	179.8	15,100	32.1	194.0	13,600	38.1	203.1	12,100	43.2	208.5	10,600	170
180										12.5	150.0	13,700	23.9	175.2	12,300	31.4	188.6	10,900	37.2	196.7	9,600	180
190													11.3	143.8	11,200	23.0	169.2	9,900	30.4	181.8	8,600	190
200																9.2	134.5	8,900	21.7	161.3	7,800	200
210																			5.1	119.2	6,900	210

Liftcrane Luffing Jib Capacities

**Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
Without Front Bumper Counterweight
360 Degree Rating On Fully Extended Outriggers**

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5



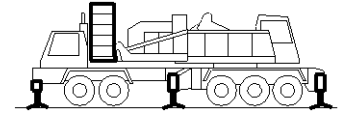
110 Ft. Boom, 160 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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	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	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	74.9	275.9	37,900 *																			50
55	73.1	274.5	36,400 *																			55
60	71.2	272.9	34,800 *																			60
65	69.3	271.1	33,300 *																			65
70	67.4	269.1	31,800 *																			70
75	65.4	266.9	30,300 *	69.2	270.1	33,200 *																75
80	63.4	264.5	28,900 *	67.3	268.1	31,800 *																80
85	61.4	261.9	27,500 *	65.3	265.9	30,300 *	67.6	267.5	31,800 *													85
90	59.4	259.0	26,200 *	63.3	263.5	28,900 *	65.6	265.4	30,400 *													90
95	57.2	256.0	24,900 *	61.3	260.9	27,600 *	63.7	263.0	29,100 *													95
100	55.1	252.6	23,600 *	59.3	258.1	26,200 *	61.7	260.4	27,700 *													100
105	52.9	249.0	22,500 *	57.2	255.0	25,000 *	59.6	257.6	26,400 *													105
110	50.6	245.0	21,300 *	55.0	251.6	23,700 *	57.5	254.6	25,200 *	61.5	258.0	27,300 *										110
115	48.2	240.8	20,200 *	52.8	247.9	22,600 *	55.3	251.2	24,000 *	59.4	255.1	26,100 *										115
120	45.8	236.1	19,200 *	50.5	244.0	21,400 *	53.1	247.6	22,800 *	57.3	252.1	24,900 *										120
125	43.2	231.0	18,300 *	48.1	239.7	20,300 *	50.9	243.7	21,700 *	55.2	248.7	23,600 *										125
130	40.6	225.4	17,400 *	45.7	235.0	19,300 *	48.5	239.5	20,600 *	52.9	245.1	22,300 *	57.0	248.6	20,200 *							130
135	37.7	219.3	16,500 *	43.1	229.9	18,400 *	46.1	234.9	19,500 *	50.7	241.2	21,100 *	54.9	245.2	19,100 *							135
140	34.7	212.5	15,700 *	40.4	224.3	17,400 *	43.5	229.8	18,600 *	48.3	236.9	20,000 *	52.6	241.5	18,000 *							140
145	31.4	204.8	14,900 *	37.6	218.1	16,600 *	40.9	224.3	17,600 *	45.9	232.2	18,900 *	50.4	237.6	17,100 *							145
150	27.8	196.0	14,200 *	34.5	211.3	15,700 *	38.1	218.3	16,700 *	43.3	227.2	18,000 *	48.0	233.2	16,200 *	52.2	237.0	14,400 *				150
155	23.7	185.6	13,500 *	31.2	203.5	15,000 *	35.1	211.5	15,900 *	40.6	221.6	17,100 *	45.5	228.5	15,400 *	49.9	232.9	13,700 *				155
160	18.7	172.7	12,900 *	27.6	194.7	14,200 *	31.8	203.9	15,100 *	37.8	215.5	16,300 *	43.0	223.4	14,600 *	47.5	228.5	13,000 *				160
165	11.9	154.4	11,800 *	23.4	184.2	13,600 *	28.2	195.3	14,400 *	34.8	208.7	15,500 *	40.3	217.8	13,900 *	45.0	223.7	12,300 *				165
170				18.4	171.1	13,000 *	24.2	185.1	13,700 *	31.5	201.0	14,700 *	37.4	211.6	13,200 *	42.4	218.5	11,700 *	46.9	222.7	10,200 *	170
180							12.9	155.3	12,500 *	23.8	181.9	13,400 *	31.0	196.9	12,000 *	36.8	206.4	10,500 *	41.7	212.4	9,100 *	180
190										12.1	151.1	12,200 *	23.2	177.3	10,800 *	30.4	191.4	9,500 *	36.0	200.0	8,200 *	190
200													10.9	144.7	9,800 *	22.3	171.2	8,600 *	29.4	184.4	7,400 *	200
210																8.9	135.3	7,700 *	21.0	163.2	6,600 *	210
220																			4.9	119.7	5,800 *	220

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
 Boom No. 78T With Heavy Lift Top
 95,400 Lb. Crane Counterweight
 Without Front Bumper Counterweight
 360 Degree Rating On Fully Extended Outriggers

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5



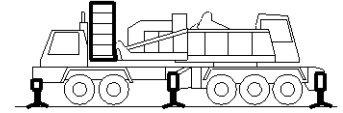
110 Ft. Boom, 170 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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	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	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	75.9	286.2	34,200 *																			50
55	74.1	284.9	33,600 *																			55
60	72.3	283.4	32,100 *																			60
65	70.6	281.7	30,600 *																			65
70	68.8	279.9	29,200 *																			70
75	67.0	277.8	27,800 *	70.5	280.8	30,500 *																75
80	65.1	275.6	26,500 *	68.7	278.9	29,100 *																80
85	63.2	273.2	25,100 *	66.9	276.9	27,800 *																85
90	61.3	270.6	23,900 *	65.0	274.6	26,500 *	67.2	276.3	27,800 *													90
95	59.4	267.7	22,600 *	63.1	272.2	25,200 *	65.3	274.1	26,600 *													95
100	57.4	264.6	21,400 *	61.2	269.6	23,900 *	63.5	271.7	25,300 *													100
105	55.4	261.3	20,300 *	59.3	266.7	22,700 *	61.6	269.1	24,100 *													105
110	53.3	257.7	19,200 *	57.3	263.6	21,500 *	59.6	266.3	22,900 *													110
115	51.2	253.9	18,200 *	55.3	260.3	20,400 *	57.6	263.2	21,700 *	61.4	266.6	23,700 *										115
120	49.0	249.7	17,200 *	53.2	256.7	19,300 *	55.6	259.9	20,600 *	59.4	263.8	22,600 *										120
125	46.7	245.1	16,300 *	51.1	252.8	18,300 *	53.6	256.4	19,500 *	57.5	260.7	21,500 *										125
130	44.4	240.2	15,400 *	48.9	248.6	17,300 *	51.4	252.5	18,500 *	55.4	257.4	20,400 *										130
135	41.9	234.9	14,500 *	46.6	244.1	16,300 *	49.2	248.4	17,500 *	53.4	253.8	19,300 *	57.2	257.3	18,800							135
140	39.3	229.1	13,700 *	44.2	239.1	15,400 *	47.0	243.9	16,500 *	51.2	250.0	18,300 *	55.2	253.9	17,700							140
145	36.6	222.6	13,000 *	41.8	233.8	14,600 *	44.6	239.1	15,600 *	49.0	245.8	17,400 *	53.1	250.3	16,800							145
150	33.6	215.5	12,300 *	39.2	227.9	13,800 *	42.2	233.8	14,700 *	46.8	241.3	16,400 *	51.0	246.4	15,900							150
155	30.4	207.5	11,500 *	36.4	221.5	13,000 *	39.6	228.0	13,900 *	44.4	236.4	15,500 *	48.7	242.2	15,100							155
160	26.9	198.4	10,600 *	33.5	214.3	12,300 *	36.9	221.6	13,200 *	42.0	231.1	14,700 *	46.5	237.6	14,300	50.5	241.8	12,700				160
165	22.9	187.7	9,800 *	30.3	206.3	11,500 *	34.0	214.6	12,400 *	39.4	225.2	13,900 *	44.1	232.7	13,600	48.3	237.5	12,000				165
170	18.1	174.3	9,100 *	26.8	197.1	10,600 *	30.8	206.7	11,600 *	36.6	218.8	13,100 *	41.6	227.3	12,900	46.0	232.8	11,400				170
180				17.9	172.7	9,100 *	23.4	187.2	9,900 *	30.5	203.8	11,600 *	36.3	214.9	11,700	41.1	222.3	10,200	45.4	226.9	8,800	180
190							12.5	156.4	8,500 *	23.1	184.0	9,900 *	30.1	199.6	10,600	35.7	209.7	9,200	40.4	216.2	7,900	190
200										11.8	152.1	8,400 *	22.5	179.3	9,600	29.4	194.1	8,300	34.9	203.2	7,100	200
210													10.6	145.7	8,400 *	21.6	173.1	7,500	28.5	187.0	6,300	210
220																8.7	136.1	6,700	20.3	165.0	5,600	220
230																			4.8	120.1	4,900	230

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
Without Front Bumper Counterweight
360 Degree Rating On Fully Extended Outriggers

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5



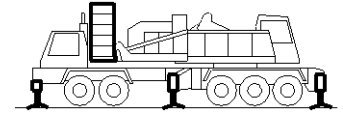
120 Ft. Boom, 70 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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	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	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	
35	68.0	196.3	94,300 *b																			35
40	63.5	194.0	90,900 *b																			40
45	58.9	191.3	87,100 *	68.6	195.6	84,900 *b																45
50	53.9	188.0	77,800 *	64.1	193.4	79,500 *b																50
55	48.7	184.0	68,200 *	59.5	190.8	74,500 *	65.3	193.1	72,400 *b													55
60	43.0	179.1	60,500 *	54.6	187.5	69,900 *	60.7	190.5	68,100 *b													60
65	36.6	173.1	54,200 *	49.4	183.6	65,600 *	55.9	187.4	64,200 *													65
70	29.0	165.4	48,800 *	43.7	178.9	60,300 *	50.8	183.7	59,100	61.1	188.3	54,900 b										70
75	18.9	154.1	42,700 *	37.5	173.0	55,100 *	45.3	179.2	54,000	56.3	185.3	50,200										75
80				30.1	165.6	49,600 *	39.2	173.7	49,700	51.2	181.6	46,200										80
85				20.5	155.0	44,800 *	32.2	166.8	46,000	45.8	177.2	42,700	56.5	182.1	39,400							85
90							23.4	157.3	42,600	39.7	171.8	39,600	51.4	178.5	36,600							90
95							8.5	139.8	39,500 *	32.8	165.0	36,900	45.9	174.1	34,100							95
100										24.2	155.8	34,500	39.9	168.7	31,900	51.2	174.2	29,300				100
105										10.5	139.8	32,300	33.1	161.9	29,900	45.8	169.7	27,400				105
110													24.6	152.9	28,100	39.7	164.3	25,700				110
115													11.2	137.3	26,400	32.8	157.5	24,200	45.1	164.2	22,100	115
120																24.2	148.3	22,800	39.0	158.6	20,800	120
125																10.4	132.3	21,500	31.9	151.6	19,700	125
130																			23.1	142.0	18,600	130
135																			7.5	123.7	17,500	135

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
 Boom No. 78T With Heavy Lift Top
 95,400 Lb. Crane Counterweight
 Without Front Bumper Counterweight
 360 Degree Rating On Fully Extended Outriggers

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5



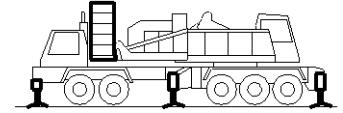
120 Ft. Boom, 80 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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	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	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
35	70.9	207.0	88,700 *b																			35
40	67.0	205.1	85,600 *b																			40
45	63.1	202.7	82,300 *																			45
50	59.0	200.0	78,300 *	67.5	204.4	78,300 *b																50
55	54.7	196.7	68,700 *	63.6	202.1	73,600 *																55
60	50.2	192.9	61,000 *	59.5	199.4	69,300 *	64.7	201.8	67,400 *													60
65	45.4	188.3	54,600 *	55.3	196.2	65,100 *	60.6	199.2	63,600 *													65
70	40.1	182.9	49,300 *	50.8	192.5	59,700 *	56.4	196.1	58,700													70
75	34.1	176.3	44,700 *	46.0	188.0	55,100 *	52.0	192.5	53,700	61.0	197.0	49,700										75
80	27.1	167.9	40,800 *	40.8	182.7	50,100 *	47.3	188.3	49,400	56.8	194.0	45,700										80
85	17.7	155.7	35,900 *	35.0	176.3	45,500 *	42.2	183.2	45,600	52.4	190.4	42,300										85
90				28.1	168.1	41,400 *	36.6	177.1	42,300	47.7	186.2	39,200	56.9	190.8	36,100							90
95				19.2	156.7	37,800 *	30.1	169.5	39,500	42.7	181.3	36,500	52.5	187.3	33,600							95
100							21.9	159.3	36,900	37.1	175.3	34,100	47.9	183.1	31,400							100
105							7.9	140.5	33,600 *	30.6	167.8	32,000	42.8	178.2	29,400	52.4	183.0	26,900				105
110										22.6	157.9	30,100	37.3	172.2	27,600	47.7	178.8	25,300				110
115										9.8	140.7	28,300	30.9	164.8	26,000	42.7	173.8	23,800				115
120													22.9	155.0	24,500	37.1	167.8	22,400	47.1	173.2	20,300	120
125													10.5	138.3	23,100	30.6	160.4	21,200	42.0	168.2	19,200	125
130																22.6	150.4	20,000	36.4	162.0	18,100	130
135																9.8	133.2	18,900	29.8	154.4	17,100	135
140																			21.6	144.0	16,200	140
145																			7.0	124.3	15,300	145

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
Without Front Bumper Counterweight
360 Degree Rating On Fully Extended Outriggers

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5



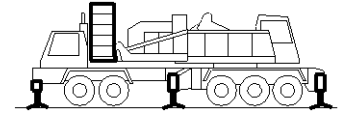
120 Ft. Boom, 90 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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	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	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
35	73.1	217.5	79,600 *b																			35
40	69.7	215.8	76,800 *b																			40
45	66.3	213.8	73,600 *																			45
50	62.8	211.4	70,500 *	70.1	215.1	74,900 *b																50
55	59.1	208.6	67,800 *	66.7	213.1	70,800 *																55
60	55.3	205.4	61,100 *	63.2	210.8	67,000 *	67.6	212.7	64,900 *													60
65	51.4	201.7	54,700 *	59.6	208.1	63,300 *	64.2	210.5	61,600 *													65
70	47.1	197.4	49,400 *	55.8	204.9	59,700 *	60.6	207.8	58,400 *													70
75	42.6	192.4	44,900 *	51.9	201.3	55,000 *	56.8	204.8	53,400													75
80	37.7	186.4	41,000 *	47.7	197.0	50,300 *	52.9	201.3	49,100	60.9	205.7	45,400										80
85	32.1	179.3	37,600 *	43.2	192.1	45,700 *	48.8	197.2	45,400	57.1	202.7	42,000										85
90	25.5	170.2	34,600 *	38.4	186.3	41,700 *	44.5	192.5	42,100	53.3	199.2	38,900										90
95	16.7	157.2	30,800 *	32.9	179.3	38,200 *	39.7	187.0	39,300	49.2	195.2	36,300	57.3	199.5	33,300							95
100				26.5	170.6	35,100 *	34.4	180.3	36,700	44.8	190.5	33,900	53.4	196.0	31,100							100
105				18.1	158.4	32,300 *	28.3	172.1	34,400	40.1	185.1	31,800	49.3	192.0	29,100							105
110							20.6	161.2	32,300	34.9	178.5	29,800	45.0	187.4	27,400							110
115							7.5	141.2	29,100 *	28.8	170.5	28,100	40.3	181.9	25,800	49.2	187.7	23,500				115
120										21.3	159.8	26,500	35.1	175.5	24,300	44.8	183.0	22,100				120
125										9.2	141.5	25,000	29.1	167.5	23,000	40.1	177.6	20,900				125
130													21.6	156.9	21,700	34.9	171.1	19,700	44.3	177.5	17,800	130
135													9.9	139.2	20,500	28.8	163.0	18,700	39.5	171.9	16,800	135
140																21.3	152.3	17,700	34.2	165.2	15,900	140
145																9.2	134.0	16,800	28.1	156.9	15,100	145
150																			20.3	145.8	14,300	150
155																			6.6	124.9	13,600	155

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
 Boom No. 78T With Heavy Lift Top
 95,400 Lb. Crane Counterweight
 Without Front Bumper Counterweight
 360 Degree Rating On Fully Extended Outriggers

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5



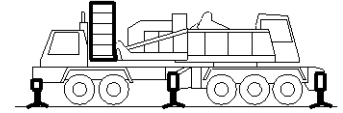
120 Ft. Boom, 100 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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	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	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
35	74.8	227.9	73,200 *b																			35
40	71.8	226.4	70,700 *b																			40
45	68.8	224.6	68,400 *																			45
50	65.7	222.5	65,600 *																			50
55	62.5	220.1	62,800 *	69.2	223.9	68,400 *																55
60	59.2	217.3	60,300 *	66.1	221.9	65,000 *																60
65	55.8	214.1	54,600 *	62.9	219.5	61,700 *	66.9	221.4	59,800 *													65
70	52.3	210.5	49,300 *	59.6	216.7	58,600 *	63.7	219.1	56,900 *													70
75	48.5	206.3	44,900 *	56.2	213.6	54,500 *	60.5	216.5	53,000													75
80	44.6	201.6	41,000 *	52.7	210.0	50,200 *	57.2	213.5	48,700													80
85	40.4	196.1	37,600 *	49.0	206.0	45,600 *	53.7	210.0	45,000	60.8	214.3	41,500										85
90	35.7	189.7	34,700 *	45.1	201.3	41,600 *	50.0	206.1	41,800	57.4	211.3	38,500										90
95	30.4	182.1	32,000 *	40.9	196.0	38,200 *	46.2	201.6	38,900	54.0	207.9	35,800										95
100	24.2	172.4	29,600 *	36.3	189.7	35,200 *	42.1	196.5	36,300	50.3	204.0	33,500	57.5	208.1	30,600							100
105	15.8	158.7	26,500 *	31.2	182.2	32,500 *	37.6	190.5	34,100	46.5	199.6	31,400	54.1	204.7	28,700							105
110				25.1	172.9	30,100 *	32.6	183.4	32,000	42.4	194.5	29,400	50.5	200.9	26,900							110
115				17.1	159.9	27,800 *	26.8	174.6	30,200	38.0	188.6	27,700	46.6	196.5	25,300							115
120							19.5	162.9	28,400	33.0	181.6	26,200	42.5	191.4	23,900	50.3	196.6	21,600				120
125							7.1	141.8	25,200 *	27.3	173.0	24,700	38.1	185.5	22,500	46.5	192.1	20,400				125
130										20.2	161.6	23,400	33.2	178.5	21,300	42.4	187.0	19,300				130
135										8.8	142.3	22,100	27.5	170.0	20,200	38.0	181.1	18,200	46.0	186.6	16,300	135
140													20.5	158.8	19,100	33.0	174.1	17,300	41.9	181.4	15,500	140
145													9.3	140.0	18,100	27.3	165.5	16,400	37.4	175.4	14,600	145
150																20.2	154.2	15,500	32.4	168.2	13,900	150
155																8.7	134.8	14,700	26.6	159.4	13,200	155
160																			19.3	147.6	12,500	160
165																			6.2	125.5	11,800	165

Liftcrane Luffing Jib Capacities

**Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
Without Front Bumper Counterweight
360 Degree Rating On Fully Extended Outriggers**

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5



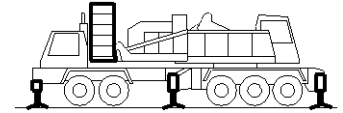
120 Ft. Boom, 110 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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	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	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
40	73.5	236.9	65,400 *																			40
45	70.8	235.3	63,200 *																			45
50	68.0	233.4	60,800 *																			50
55	65.2	231.2	58,500 *																			55
60	62.3	228.7	56,200 *	68.4	232.7	61,600 *																60
65	59.3	225.9	54,000 *	65.5	230.6	59,400 *																65
70	56.2	222.8	49,500 *	62.6	228.2	57,100 *	66.3	230.2	55,400 *													70
75	53.0	219.2	45,000 *	59.7	225.4	54,400 *	63.4	227.8	52,900 *													75
80	49.7	215.2	41,100 *	56.6	222.3	50,300 *	60.5	225.2	48,600													80
85	46.1	210.7	37,800 *	53.4	218.8	45,700 *	57.4	222.2	44,900													85
90	42.4	205.6	34,900 *	50.1	214.8	41,800 *	54.3	218.8	41,700	60.7	223.0	38,400										90
95	38.4	199.7	32,300 *	46.6	210.4	38,400 *	51.0	214.9	38,800	57.7	220.0	35,700										95
100	34.0	192.9	29,900 *	42.9	205.4	35,400 *	47.6	210.6	36,300	54.5	216.7	33,400										100
105	29.0	184.7	27,800 *	38.9	199.6	32,700 *	43.9	205.8	34,000	51.3	212.9	31,300	57.8	216.8	28,600							105
110	23.1	174.5	25,900 *	34.6	192.9	30,400 *	40.0	200.2	32,000	47.8	208.6	29,400	54.6	213.5	26,800							110
115	15.1	160.0	23,300 *	29.7	184.9	28,200 *	35.8	193.8	30,100	44.2	203.8	27,700	51.4	209.7	25,200							115
120				23.9	175.0	26,200 *	31.1	186.2	28,400	40.4	198.3	26,100	48.0	205.5	23,800							120
125				16.3	161.4	24,400 *	25.6	176.9	26,800 *	36.1	191.9	24,700	44.3	200.6	22,500	51.3	205.4	20,300				125
130							18.6	164.6	25,000 *	31.5	184.5	23,400	40.5	195.2	21,300	47.8	201.1	19,200				130
135							6.8	142.4	22,300 *	26.0	175.4	22,100	36.3	188.9	20,100	44.2	196.3	18,200				135
140										19.3	163.4	21,000	31.6	181.4	19,100	40.3	190.8	17,200	47.4	195.6	15,400	140
145										8.4	143.1	19,900	26.2	172.4	18,100	36.1	184.5	16,300	43.8	190.7	14,600	145
150													19.5	160.5	17,200	31.5	177.0	15,500	39.9	185.1	13,800	150
155													8.9	140.8	16,400	26.0	167.9	14,700	35.6	178.7	13,100	155
160																19.3	155.9	14,000	30.9	171.0	12,500	160
165																8.3	135.5	13,300	25.4	161.7	11,800	165
170																			18.3	149.2	11,200	170

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
 Boom No. 78T With Heavy Lift Top
 95,400 Lb. Crane Counterweight
 Without Front Bumper Counterweight
 360 Degree Rating On Fully Extended Outriggers

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5



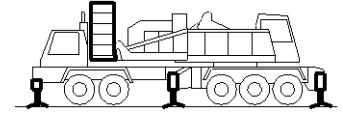
120 Ft. Boom, 120 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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	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	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
40	74.9	247.3	50,300 *																			40
45	72.4	245.8	49,300 *																			45
50	69.9	244.1	48,400 *																			50
55	67.4	242.1	47,500 *																			55
60	64.7	239.9	46,700 *	70.2	243.4	48,900 *																60
65	62.1	237.4	45,900 *	67.7	241.5	48,200 *																65
70	59.3	234.6	44,300 *	65.1	239.3	47,500 *																70
75	56.5	231.5	42,500 *	62.4	236.8	46,800 *	65.8	238.9	47,400 *													75
80	53.6	228.0	40,800 *	59.7	234.1	44,900 *	63.1	236.5	46,900 *													80
85	50.6	224.1	38,000 *	56.9	231.0	43,100 *	60.4	233.8	44,600 *													85
90	47.4	219.7	35,000 *	54.0	227.5	41,400 *	57.6	230.8	41,300 *													90
95	44.1	214.9	32,400 *	51.0	223.7	38,500 *	54.8	227.5	38,500 *	60.6	231.7	35,300 *										95
100	40.5	209.4	30,000 *	47.8	219.4	35,500 *	51.8	223.7	35,900 *	57.9	228.7	33,000 *										100
105	36.7	203.1	27,900 *	44.5	214.6	32,800 *	48.7	219.6	33,700 *	55.0	225.4	30,900 *										105
110	32.5	195.9	26,000 *	41.0	209.2	30,400 *	45.4	214.9	31,600 *	52.0	221.7	29,000 *	58.0	225.5	26,400 *							110
115	27.7	187.2	24,200 *	37.2	203.0	28,300 *	42.0	209.7	29,800 *	48.9	217.5	27,300 *	55.1	222.2	24,800 *							115
120	22.1	176.5	22,600 *	33.1	195.9	26,400 *	38.3	203.8	28,100 *	45.7	212.9	25,700 *	52.1	218.5	23,300 *							120
125	14.4	161.3	20,400 *	28.4	187.5	24,600 *	34.2	196.9	26,600 *	42.2	207.7	24,300 *	49.0	214.4	22,000 *							125
130				22.9	177.1	22,900 *	29.7	188.9	25,100 *	38.6	201.9	23,000 *	45.8	209.8	20,800 *	52.0	214.2	18,700 *				130
135				15.6	162.8	21,400 *	24.5	179.1	23,400 *	34.6	195.1	21,800 *	42.4	204.6	19,700 *	48.9	210.1	17,700 *				135
140							17.8	166.2	21,800 *	30.1	187.2	20,700 *	38.7	198.8	18,700 *	45.7	205.5	16,800 *				140
145							6.5	143.0	19,600 *	24.9	177.6	19,600 *	34.7	192.1	17,700 *	42.2	200.3	15,900 *				145
150										18.5	165.0	18,700 *	30.2	184.2	16,900 *	38.6	194.4	15,100 *	45.3	199.9	13,300 *	150
155										8.0	143.8	17,700 *	25.1	174.7	16,000 *	34.5	187.6	14,300 *	41.8	194.6	12,600 *	155
160													18.7	162.2	15,200 *	30.1	179.7	13,600 *	38.1	188.7	12,000 *	160
165													8.5	141.6	14,500 *	24.9	170.1	12,900 *	34.1	181.8	11,400 *	165
170																18.4	157.6	12,300 *	29.5	173.7	10,800 *	170
180																			17.6	150.8	9,700 *	180

Liftcrane Luffing Jib Capacities

**Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
Without Front Bumper Counterweight
360 Degree Rating On Fully Extended Outriggers**

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5



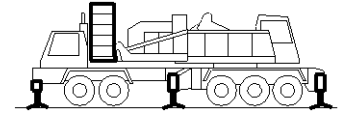
120 Ft. Boom, 130 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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	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	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	73.8	256.2	46,600 *																			45
50	71.5	254.7	45,700 *																			50
55	69.2	252.9	44,900 *																			55
60	66.8	250.9	44,100 *																			60
65	64.4	248.6	42,800 *	69.5	252.2	45,300 *																65
70	61.9	246.1	41,100 *	67.1	250.2	44,700 *																70
75	59.4	243.3	39,400 *	64.7	248.0	43,300 *	67.7	249.8	44,400 *													75
80	56.8	240.2	37,800 *	62.2	245.5	41,600 *	65.3	247.6	43,500 *													80
85	54.1	236.7	36,300 *	59.7	242.7	39,900 *	62.9	245.2	41,900 *													85
90	51.3	232.9	34,800 *	57.1	239.6	38,400 *	60.4	242.5	40,300 *													90
95	48.5	228.7	32,200 *	54.5	236.2	36,900 *	57.8	239.5	38,200													95
100	45.4	224.0	29,900 *	51.7	232.5	35,300 *	55.2	236.2	35,700	60.6	240.3	32,700										100
105	42.3	218.8	27,800 *	48.8	228.3	32,700 *	52.4	232.5	33,400	58.0	237.3	30,600										105
110	38.9	213.0	25,900 *	45.8	223.7	30,300 *	49.6	228.5	31,400	55.4	234.1	28,700										110
115	35.2	206.4	24,200 *	42.7	218.6	28,200 *	46.7	224.0	29,500	52.7	230.4	27,000										115
120	31.2	198.7	22,600 *	39.3	212.8	26,300 *	43.5	219.0	27,900	49.8	226.4	25,400	55.5	230.9	23,000							120
125	26.6	189.7	21,200 *	35.7	206.3	24,500 *	40.2	213.4	26,300	46.9	222.0	24,000	52.8	227.3	21,700							125
130	21.2	178.4	19,800 *	31.7	198.8	22,900 *	36.7	207.1	24,900	43.8	217.0	22,700	49.9	223.3	20,500							130
135	13.9	162.6	17,800 *	27.3	190.0	21,400 *	32.8	199.9	23,400 *	40.5	211.5	21,500	47.0	218.8	19,400	52.7	223.0	17,400				135
140				22.0	179.1	20,100 *	28.5	191.5	21,900 *	37.0	205.3	20,400	43.9	213.9	18,400	49.8	219.0	16,400				140
145				15.0	164.1	18,700 *	23.5	181.3	20,500 *	33.2	198.2	19,400	40.6	208.4	17,500	46.9	214.5	15,600				145
150							17.1	167.7	19,200 *	28.9	189.9	18,400	37.1	202.2	16,600	43.8	209.6	14,800				150
155							6.2	143.5	17,200 *	23.9	179.8	17,500	33.3	195.1	15,800	40.5	204.0	14,000	46.5	209.0	12,300	155
160										17.7	166.6	16,700	29.0	186.8	15,000	37.0	197.8	13,300	43.4	204.0	11,700	160
165										7.7	144.5	15,900	24.1	176.8	14,300	33.2	190.7	12,600	40.1	198.4	11,100	165
170													18.0	163.8	13,600	28.9	182.4	12,000	36.6	192.0	10,500	170
180																17.7	159.1	10,900	28.4	176.3	9,500	180
190																			16.9	152.3	8,500	190

Liftcrane Luffing Jib Capacities

**Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
Without Front Bumper Counterweight
360 Degree Rating On Fully Extended Outriggers**

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5



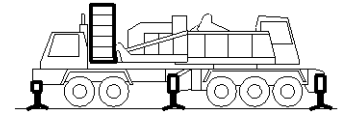
120 Ft. Boom, 140 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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	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	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	75.0	266.6	43,700 *																			45
50	72.9	265.2	42,900 *																			50
55	70.7	263.5	42,100 *																			55
60	68.5	261.7	41,000 *																			60
65	66.3	259.6	39,300 *	71.0	262.8	42,200 *																65
70	64.1	257.3	37,700 *	68.8	261.0	41,200 *																70
75	61.8	254.7	36,100 *	66.6	259.0	39,700 *																75
80	59.4	251.9	34,600 *	64.4	256.7	38,100 *	67.2	258.5	39,800 *													80
85	57.0	248.8	33,100 *	62.1	254.2	36,600 *	65.0	256.3	38,300 *													85
90	54.5	245.4	31,700 *	59.7	251.4	35,100 *	62.7	253.9	36,900 *													90
95	52.0	241.7	30,400 *	57.3	248.3	33,600 *	60.4	251.1	35,400 *													95
100	49.3	237.6	29,100 *	54.9	245.0	32,200 *	58.0	248.2	34,000 *	62.9	251.7	32,200										100
105	46.6	233.1	27,600 *	52.3	241.3	30,800 *	55.5	244.9	32,600 *	60.6	249.0	30,100										105
110	43.7	228.1	25,700 *	49.7	237.2	29,500 *	53.0	241.3	31,000	58.2	246.0	28,300										110
115	40.7	222.6	24,000 *	47.0	232.8	28,000 *	50.4	237.3	29,200	55.7	242.8	26,600										115
120	37.4	216.4	22,400 *	44.1	227.9	26,000 *	47.7	233.0	27,500	53.2	239.2	25,000										120
125	33.9	209.5	21,000 *	41.1	222.4	24,300 *	44.9	228.2	26,000	50.6	235.3	23,600	55.8	239.6	21,300							125
130	30.0	201.5	19,700 *	37.8	216.3	22,700 *	41.9	222.9	24,600	47.9	231.0	22,300	53.3	236.0	20,100							130
135	25.6	192.0	18,400 *	34.4	209.5	21,300 *	38.7	217.0	23,200 *	45.1	226.2	21,100	50.7	232.1	19,000							135
140	20.4	180.2	17,300 *	30.5	201.6	19,900 *	35.3	210.4	21,700 *	42.1	221.0	20,000	48.0	227.8	18,000							140
145	13.4	163.8	15,500 *	26.2	192.4	18,700 *	31.6	202.8	20,300 *	39.0	215.1	19,000	45.2	223.1	17,000	50.6	227.8	15,100				145
150				21.2	181.0	17,500 *	27.5	194.0	19,100 *	35.6	208.6	18,100	42.2	217.9	16,200	47.9	223.5	14,300				150
155				14.5	165.4	16,400 *	22.6	183.3	17,900 *	31.9	201.1	17,200	39.1	212.0	15,300	45.1	218.7	13,600				155
160							16.5	169.2	16,700 *	27.8	192.4	16,300	35.7	205.5	14,600	42.1	213.5	12,900	47.6	218.0	11,200	160
165							6.0	144.1	15,100 *	23.0	181.9	15,600	32.0	198.0	13,900	39.0	207.7	12,200	44.8	213.2	10,600	165
170										17.1	168.2	14,800	27.9	189.4	13,200	35.6	201.1	11,600	41.8	207.9	10,000	170
180													17.3	165.4	12,000	27.8	184.9	10,500	35.2	195.3	9,000	180
190																17.1	160.7	9,400	27.3	178.8	8,100	190
200																			16.2	153.8	7,300	200

Liftcrane Luffing Jib Capacities

**Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
Without Front Bumper Counterweight
360 Degree Rating On Fully Extended Outriggers**

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5



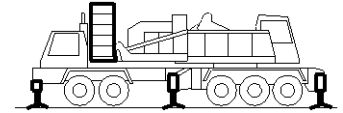
120 Ft. Boom, 150 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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	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	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	76.0	277.0	40,900 *																			45
50	74.1	275.6	40,200 *																			50
55	72.1	274.1	39,500 *																			55
60	70.0	272.4	37,900 *																			60
65	68.0	270.5	36,300 *																			65
70	65.9	268.3	34,800 *	70.3	271.7	38,000 *																70
75	63.8	266.0	33,300 *	68.3	269.8	36,600 *																75
80	61.7	263.4	31,800 *	66.2	267.7	35,100 *																80
85	59.5	260.6	30,400 *	64.1	265.4	33,600 *	66.7	267.3	35,200 *													85
90	57.2	257.5	29,100 *	61.9	262.8	32,200 *	64.6	265.0	33,900 *													90
95	54.9	254.1	27,800 *	59.7	260.0	30,800 *	62.5	262.5	32,500 *													95
100	52.6	250.5	26,500 *	57.5	257.0	29,500 *	60.3	259.8	31,100 *													100
105	50.1	246.5	25,300 *	55.2	253.7	28,200 *	58.1	256.8	29,800 *	62.7	260.3	30,000										105
110	47.6	242.1	24,200 *	52.9	250.0	26,900 *	55.8	253.6	28,500 *	60.5	257.6	28,100										110
115	44.9	237.3	23,100 *	50.4	246.1	25,700 *	53.5	250.0	27,200 *	58.3	254.7	26,400										115
120	42.2	232.1	22,100 *	47.9	241.8	24,500 *	51.1	246.2	26,000 *	56.0	251.5	24,900										120
125	39.2	226.2	21,000 *	45.3	237.0	23,400 *	48.6	241.9	24,900 *	53.7	247.9	23,500										125
130	36.1	219.8	19,700 *	42.5	231.8	22,400 *	46.0	237.3	23,800 *	51.3	244.1	22,200	56.1	248.3	20,000							130
135	32.7	212.5	18,500 *	39.6	226.1	21,300 *	43.3	232.3	22,700 *	48.8	239.9	21,000	53.8	244.8	18,900							135
140	29.0	204.1	17,400 *	36.5	219.7	20,000 *	40.4	226.7	21,700 *	46.2	235.3	19,900	51.4	240.9	17,800							140
145	24.8	194.2	16,300 *	33.2	212.5	18,700 *	37.4	220.5	20,400 *	43.5	230.3	18,900	48.9	236.7	16,900							145
150	19.7	182.0	15,300 *	29.5	204.3	17,600 *	34.1	213.5	19,100 *	40.6	224.8	17,900	46.3	232.2	16,000	51.3	236.6	14,200				150
155	12.9	164.9	13,800 *	25.3	194.7	16,500 *	30.5	205.6	17,900 *	37.6	218.6	17,100	43.6	227.2	15,200	48.8	232.4	13,400				155
160				20.4	182.8	15,500 *	26.5	196.4	16,900 *	34.4	211.7	16,200	40.7	221.6	14,500	46.2	227.8	12,700				160
165				14.0	166.7	14,500 *	21.8	185.3	15,800 *	30.8	203.9	15,500	37.7	215.5	13,800	43.5	222.8	12,100				165
170							15.9	170.6	14,800 *	26.8	194.8	14,700	34.5	208.7	13,100	40.6	217.3	11,500	45.9	222.3	9,900	170
180										16.5	169.6	13,400	27.0	191.8	11,900	34.4	204.2	10,400	40.3	211.6	8,900	180
190													16.7	166.9	10,800	26.8	187.3	9,400	34.0	198.4	8,000	190
200																16.5	162.1	8,500	26.4	181.2	7,200	200
210																			15.7	155.2	6,400	210

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
Without Front Bumper Counterweight
360 Degree Rating On Fully Extended Outriggers

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5



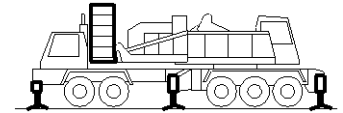
120 Ft. Boom, 160 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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	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	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	75.1	286.0	37,400 *																			50
55	73.2	284.6	36,200 *																			55
60	71.3	283.0	34,700 *																			60
65	69.4	281.2	33,200 *																			65
70	67.5	279.2	31,700 *																			70
75	65.6	277.0	30,300 *	69.7	280.5	33,300 *																75
80	63.6	274.7	28,900 *	67.8	278.6	31,900 *																80
85	61.6	272.1	27,500 *	65.8	276.4	30,600 *																85
90	59.5	269.2	26,200 *	63.8	274.1	29,200 *	66.3	276.0	30,700 *													90
95	57.4	266.2	24,900 *	61.8	271.5	27,800 *	64.4	273.7	29,400 *													95
100	55.2	262.8	23,700 *	59.8	268.7	26,500 *	62.4	271.2	28,100 *													100
105	53.0	259.2	22,500 *	57.7	265.7	25,300 *	60.3	268.5	26,800 *													105
110	50.8	255.3	21,400 *	55.5	262.4	24,000 *	58.2	265.5	25,600 *	62.5	269.0	27,700										110
115	48.4	251.1	20,400 *	53.3	258.8	22,900 *	56.1	262.3	24,400 *	60.5	266.3	26,000										115
120	46.0	246.4	19,300 *	51.1	254.9	21,700 *	53.9	258.8	23,200 *	58.4	263.3	24,500										120
125	43.4	241.4	18,400 *	48.7	250.7	20,700 *	51.7	255.0	22,100 *	56.3	260.1	23,100										125
130	40.8	235.8	17,500 *	46.3	246.1	19,600 *	49.3	250.8	21,000 *	54.1	256.7	21,800										130
135	37.9	229.7	16,600 *	43.8	241.1	18,600 *	46.9	246.4	19,900 *	51.9	252.9	20,600	56.3	256.9	18,400							135
140	34.9	223.0	15,800 *	41.1	235.6	17,700 *	44.4	241.5	18,900 *	49.5	248.8	19,500	54.2	253.5	17,400							140
145	31.6	215.3	15,000 *	38.3	229.6	16,800 *	41.8	236.2	18,000 *	47.1	244.4	18,500	51.9	249.7	16,500							145
150	28.0	206.6	14,300 *	35.3	222.9	16,000 *	39.1	230.3	17,100 *	44.6	239.5	17,600	49.6	245.6	15,600							150
155	24.0	196.4	13,600 *	32.1	215.4	15,200 *	36.1	223.8	16,200 *	42.0	234.2	16,700	47.2	241.2	14,800	51.8	245.4	13,000				155
160	19.1	183.7	13,000 *	28.5	206.9	14,500 *	33.0	216.5	15,400 *	39.3	228.4	15,900	44.7	236.4	14,100	49.5	241.3	12,300				160
165	12.5	166.0	12,000 *	24.5	196.9	13,800 *	29.5	208.3	14,700 *	36.4	221.9	15,100	42.1	231.1	13,400	47.1	236.9	11,700				165
170				19.8	184.6	13,200 *	25.6	198.7	14,000 *	33.2	214.8	14,400	39.4	225.3	12,700	44.6	232.0	11,100				170
180							15.4	172.0	12,800 *	26.0	197.2	13,100	33.3	211.7	11,500	39.3	220.9	10,000	44.4	226.4	8,500	180
190										16.0	171.1	11,900	26.1	194.2	10,400	33.2	207.3	9,000	39.0	215.2	7,600	190
200													16.2	168.3	9,400	26.0	189.7	8,100	32.9	201.4	6,700	200
210																16.0	163.6	7,300	25.5	183.5	6,000	210
220																			15.2	156.5	5,300	220

Liftcrane Luffing Jib Capacities

**Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
Without Front Bumper Counterweight
360 Degree Rating On Fully Extended Outriggers**

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5



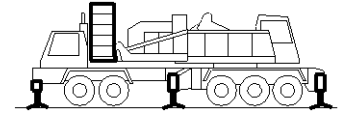
120 Ft. Boom, 170 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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	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	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	76.0	296.3	33,700 *																			50
55	74.2	295.0	33,400 *																			55
60	72.5	293.5	32,000 *																			60
65	70.7	291.8	30,600 *																			65
70	68.9	290.0	29,200 *																			70
75	67.1	288.0	27,800 *	70.9	291.1	30,600 *																75
80	65.2	285.8	26,500 *	69.1	289.3	29,300 *																80
85	63.4	283.4	25,200 *	67.3	287.3	28,000 *																85
90	61.5	280.7	23,900 *	65.5	285.1	26,700 *	67.8	286.9	28,100 *													90
95	59.5	277.9	22,700 *	63.6	282.7	25,400 *	66.0	284.7	26,900 *													95
100	57.6	274.9	21,500 *	61.7	280.2	24,200 *	64.1	282.4	25,700 *													100
105	55.5	271.5	20,400 *	59.8	277.4	23,000 *	62.2	279.9	24,400 *													105
110	53.5	268.0	19,300 *	57.8	274.3	21,800 *	60.3	277.1	23,300 *													110
115	51.3	264.1	18,300 *	55.8	271.1	20,700 *	58.3	274.2	22,100 *	62.4	277.7	24,200 *										115
120	49.1	260.0	17,300 *	53.7	267.5	19,600 *	56.3	271.0	21,000 *	60.5	275.0	23,100 *										120
125	46.9	255.5	16,400 *	51.6	263.7	18,500 *	54.3	267.5	19,900 *	58.5	272.0	22,000 *										125
130	44.5	250.6	15,500 *	49.4	259.6	17,500 *	52.2	263.8	18,800 *	56.5	268.8	20,900 *										130
135	42.1	245.3	14,600 *	47.2	255.1	16,600 *	50.0	259.7	17,800 *	54.5	265.4	19,900 *										135
140	39.5	239.5	13,800 *	44.8	250.3	15,700 *	47.8	255.4	16,900 *	52.4	261.7	18,900 *	56.6	265.6	17,100							140
145	36.8	233.1	13,100 *	42.4	245.1	14,800 *	45.5	250.6	16,000 *	50.2	257.7	17,900 *	54.5	262.2	16,200							145
150	33.8	226.0	12,300 *	39.8	239.3	14,000 *	43.0	245.5	15,100 *	48.0	253.3	17,000 *	52.4	258.5	15,300							150
155	30.7	218.1	11,600 *	37.1	233.0	13,200 *	40.5	239.9	14,300 *	45.7	248.6	16,000 *	50.3	254.5	14,500							155
160	27.2	209.1	10,700 *	34.2	226.1	12,500 *	37.8	233.8	13,500 *	43.2	243.5	15,200 *	48.0	250.2	13,800	52.4	254.2	12,000				160
165	23.2	198.5	9,900 *	31.1	218.3	11,700 *	35.0	227.0	12,700 *	40.7	238.0	14,300 *	45.7	245.5	13,100	50.2	250.2	11,300				165
170	18.5	185.4	9,200 *	27.7	209.4	10,900 *	32.0	219.4	12,000 *	38.1	231.9	13,600 *	43.3	240.4	12,400	48.0	245.9	10,700				170
180				19.2	186.3	9,300 *	24.9	201.0	10,300 *	32.2	217.7	12,100 *	38.2	228.8	11,200	43.2	236.1	9,600	47.7	240.3	8,100	180
190							15.0	173.4	8,800 *	25.2	199.4	10,300 *	32.3	214.6	10,100	38.1	224.4	8,700	43.0	230.4	7,200	190
200										15.5	172.4	8,800 *	25.3	196.5	9,200	32.2	210.2	7,800	37.8	218.7	6,400	200
210													15.7	169.7	8,300	25.2	191.9	7,000	31.8	204.3	5,700	210
220																15.5	164.9	6,200	24.7	185.7	5,000	220
230																			14.7	157.8	4,400	230

Liftcrane Luffing Jib Capacities

**Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
Without Front Bumper Counterweight
360 Degree Rating On Fully Extended Outriggers**

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5



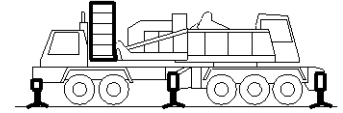
130 Ft. Boom, 70 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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	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	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
35	68.3	206.4	93,400 *b																			35
40	63.8	204.2	89,500 *b																			40
45	59.2	201.5	83,700 *	69.6	206.0	81,400 *b																45
50	54.3	198.2	78,400 *	65.2	203.9	76,500 *b																50
55	49.1	194.3	68,800 *	60.6	201.4	71,800 *b	66.9	203.7	69,300 *b													55
60	43.4	189.5	61,000 *	55.8	198.3	67,600 *	62.3	201.3	65,400 *b													60
65	37.1	183.6	54,600 *	50.7	194.5	63,700 *	57.6	198.4	61,600 *													65
70	29.6	176.0	49,100 *	45.2	190.0	59,200 *	52.6	194.9	58,200 *													70
75	19.8	165.1	43,400 *	39.1	184.5	54,700 *	47.3	190.7	53,500	58.8	196.6	49,300										75
80				32.0	177.5	50,800 *	41.4	185.6	49,200	53.9	193.3	45,300										80
85				23.2	167.9	46,000 *	34.8	179.2	45,500	48.7	189.3	41,900										85
90				7.8	149.9	38,100 *	26.8	170.8	42,200	42.9	184.4	38,900	54.9	190.4	35,500							90
95							15.4	157.8	39,300	36.5	178.4	36,200	49.7	186.6	33,100							95
100										29.0	170.6	33,800	44.1	181.9	30,900							100
105										18.9	159.4	31,700	37.9	176.1	29,000	50.4	182.6	26,300				105
110													30.6	168.8	27,200	44.9	178.0	24,700				110
115													21.2	158.5	25,600	38.7	172.5	23,200				115
120																31.6	165.4	21,900	45.1	172.8	19,600	120
125																22.6	155.6	20,600	39.0	167.3	18,500	125
130																6.0	136.0	19,500	31.9	160.3	17,500	130
135																			23.1	150.7	16,500	135
140																			7.5	132.3	15,600	140

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
Without Front Bumper Counterweight
360 Degree Rating On Fully Extended Outriggers

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5



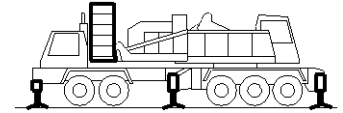
130 Ft. Boom, 80 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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	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	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
35	71.1	217.1	87,500 *b																			35
40	67.3	215.2	84,700 *b																			40
45	63.4	212.9	81,500 *																			45
50	59.3	210.2	77,300 *	68.5	214.8	75,300 *b																50
55	55.0	206.9	69,400 *	64.6	212.6	71,000 *																55
60	50.5	203.1	61,500 *	60.5	210.0	67,000 *	66.0	212.4	64,500 *b													60
65	45.7	198.7	55,100 *	56.3	207.0	63,200 *	62.0	210.0	61,000 *													65
70	40.5	193.3	49,700 *	51.9	203.4	59,000 *	57.9	207.1	57,700 *													70
75	34.6	186.8	45,000 *	47.2	199.1	54,400 *	53.6	203.7	53,100													75
80	27.7	178.5	41,000 *	42.1	194.0	50,400 *	49.0	199.7	48,800	59.0	205.3	44,800										80
85	18.5	166.8	36,600 *	36.5	187.9	46,600 *	44.0	194.9	45,100	54.7	202.0	41,400										85
90				29.9	180.3	42,400 *	38.6	189.2	41,900	50.2	198.2	38,400										90
95				21.7	169.9	38,700 *	32.5	182.2	39,000	45.3	193.6	35,800	55.6	199.1	32,600							95
100				7.3	150.6	32,500 *	25.0	173.1	36,500	40.0	188.2	33,500	51.1	195.4	30,400							100
105							14.4	159.2	34,200	34.1	181.6	31,400	46.3	191.0	28,500							105
110										27.1	173.1	29,500	41.1	185.8	26,800	51.7	191.4	24,100				110
115										17.6	161.0	27,700	35.3	179.4	25,200	46.9	187.1	22,700				115
120													28.6	171.4	23,800	41.8	182.0	21,400				120
125													19.8	160.3	22,400	36.1	175.8	20,200	47.1	181.9	18,000	125
130																29.5	168.1	19,100	42.0	176.8	17,000	130
135																21.1	157.5	18,100	36.4	170.7	16,100	135
140																5.6	136.5	17,100	29.8	163.0	15,200	140
145																			21.6	152.6	14,400	145
150																			7.0	133.0	13,600	150

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
 Boom No. 78T With Heavy Lift Top
 95,400 Lb. Crane Counterweight
 Without Front Bumper Counterweight
 360 Degree Rating On Fully Extended Outriggers

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5



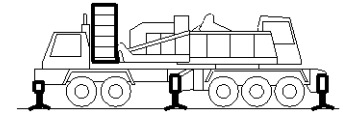
130 Ft. Boom, 90 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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	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	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
35	73.3	227.6	78,600 *b																			35
40	69.9	225.9	76,000 *b																			40
45	66.5	223.9	73,100 *																			45
50	63.0	221.6	70,200 *	71.0	225.5	72,000 *b																50
55	59.4	218.8	67,500 *	67.6	223.6	68,200 *																55
60	55.6	215.6	61,600 *	64.1	221.3	64,600 *																60
65	51.6	212.0	55,200 *	60.5	218.7	61,300 *	65.4	221.1	59,000 *													65
70	47.5	207.7	49,800 *	56.7	215.7	58,100 *	61.8	218.6	56,000 *													70
75	43.0	202.7	45,200 *	52.9	212.1	54,000 *	58.1	215.8	52,800													75
80	38.1	196.9	41,300 *	48.7	208.0	50,100 *	54.3	212.4	48,600	62.7	216.7	44,500										80
85	32.6	189.8	37,900 *	44.4	203.3	46,600 *	50.3	208.5	44,900	59.1	213.9	41,100										85
90	26.0	180.9	34,800 *	39.6	197.8	42,600 *	46.0	204.1	41,700	55.3	210.7	38,100										90
95	17.4	168.4	31,300 *	34.3	191.1	39,000 *	41.4	198.8	38,800	51.3	207.0	35,500										95
100				28.2	182.9	35,900 *	36.3	192.6	36,300	47.1	202.7	33,200	56.1	207.8	30,100							100
105				20.4	171.8	33,000 *	30.6	185.1	34,000	42.6	197.6	31,100	52.1	204.2	28,200							105
110				6.9	151.2	28,000 *	23.6	175.3	32,000	37.7	191.7	29,200	48.0	200.0	26,500							110
115							13.5	160.4	30,100	32.1	184.5	27,500	43.5	195.2	24,900	52.6	200.2	22,400				115
120										25.5	175.5	26,000	38.7	189.4	23,500	48.5	196.1	21,100				120
125										16.6	162.5	24,500	33.3	182.5	22,200	44.1	191.3	19,900				125
130													26.9	173.9	21,000	39.3	185.7	18,800				130
135													18.7	162.0	19,900	34.0	179.0	17,800	44.3	186.1	15,800	135
140																27.8	170.6	16,900	39.5	180.5	14,900	140
145																19.9	159.3	16,000	34.2	173.9	14,100	145
150																5.3	137.0	15,100	28.1	165.6	13,400	150
155																			20.3	154.5	12,700	155
160																			6.6	133.6	12,000	160

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
Without Front Bumper Counterweight
360 Degree Rating On Fully Extended Outriggers

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5



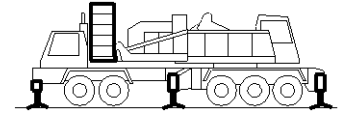
130 Ft. Boom, 100 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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	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	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
35	75.0	238.0	72,100 *b																			35
40	72.0	236.5	69,900 *b																			40
45	69.0	234.7	67,600 *																			45
50	65.9	232.7	65,300 *																			50
55	62.7	230.2	62,600 *	69.9	234.3	65,900 *																55
60	59.4	227.5	60,100 *	66.8	232.3	62,700 *																60
65	56.0	224.3	55,100 *	63.7	230.0	59,600 *	68.0	232.0	57,200 *													65
70	52.5	220.7	49,700 *	60.4	227.4	56,700 *	64.8	229.8	54,500 *													70
75	48.8	216.6	45,200 *	57.1	224.3	53,500 *	61.6	227.3	51,900 *													75
80	44.9	211.9	41,300 *	53.6	220.9	49,600 *	58.3	224.4	48,200													80
85	40.7	206.5	37,900 *	49.9	216.9	46,100 *	54.9	221.1	44,500	62.5	225.4	40,600										85
90	36.0	200.2	34,900 *	46.1	212.4	42,500 *	51.3	217.4	41,300	59.2	222.6	37,700										90
95	30.8	192.7	32,200 *	42.0	207.3	39,000 *	47.5	213.1	38,400	55.8	219.4	35,100										95
100	24.7	183.2	29,800 *	37.5	201.2	35,900 *	43.5	208.2	35,900	52.2	215.8	32,800										100
105	16.5	169.9	26,900 *	32.5	194.1	33,100 *	39.2	202.5	33,700	48.5	211.6	30,700	56.5	216.5	27,700							105
110				26.7	185.3	30,600 *	34.4	195.8	31,600	44.6	206.9	28,800	52.9	213.0	26,000							110
115				19.4	173.5	28,300 *	29.0	187.7	29,800	40.3	201.4	27,100	49.3	208.9	24,500							115
120				6.5	151.8	24,300 *	22.3	177.3	28,100	35.7	195.0	25,600	45.4	204.3	23,000							120
125							12.8	161.5	26,500	30.4	187.3	24,200	41.2	199.0	21,800	49.7	205.0	19,400				125
130										24.2	177.6	22,900	36.6	192.8	20,600	45.9	200.5	18,300				130
135										15.8	163.9	21,600	31.5	185.4	19,500	41.7	195.2	17,300				135
140													25.5	176.2	18,500	37.2	189.2	16,400	46.0	195.2	14,400	140
145													17.7	163.6	17,500	32.2	182.0	15,600	41.9	190.1	13,600	145
150																26.3	173.0	14,700	37.4	184.0	12,900	150
155																18.9	161.0	14,000	32.4	176.9	12,200	155
160																5.0	137.5	13,200	26.6	168.0	11,600	160
165																			19.3	156.2	11,000	165
170																			6.2	134.1	10,400	170

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
 Boom No. 78T With Heavy Lift Top
 95,400 Lb. Crane Counterweight
 Without Front Bumper Counterweight
 360 Degree Rating On Fully Extended Outriggers

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5



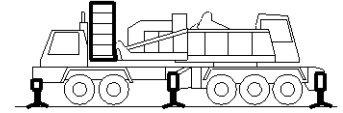
130 Ft. Boom, 110 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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	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	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
40	73.7	247.0	64,500 *																			40
45	71.0	245.4	62,600 *																			45
50	68.2	243.5	60,300 *																			50
55	65.4	241.4	58,100 *																			55
60	62.5	238.9	56,000 *	69.0	243.1	60,700 *																60
65	59.5	236.1	53,900 *	66.2	241.1	58,000 *																65
70	56.4	233.0	49,800 *	63.3	238.7	55,300 *	67.3	240.8	53,000 *													70
75	53.2	229.5	45,300 *	60.4	236.0	52,700 *	64.4	238.5	50,700 *													75
80	49.9	225.5	41,400 *	57.3	233.0	49,400 *	61.5	236.0	48,100													80
85	46.4	221.0	38,000 *	54.2	229.6	46,000 *	58.5	233.1	44,400													85
90	42.7	216.0	35,100 *	50.9	225.8	42,700 *	55.4	229.8	41,200	62.2	234.1	37,600										90
95	38.7	210.1	32,400 *	47.5	221.5	39,200 *	52.1	226.2	38,400	59.3	231.3	35,000										95
100	34.3	203.4	30,100 *	43.8	216.6	36,100 *	48.8	222.0	35,900	56.2	228.1	32,700										100
105	29.4	195.3	28,000 *	39.9	211.0	33,300 *	45.2	217.4	33,600	53.0	224.5	30,600										105
110	23.5	185.3	26,000 *	35.7	204.6	30,900 *	41.4	212.1	31,600	49.6	220.5	28,700	56.8	225.2	25,900							110
115	15.8	171.3	23,600 *	30.9	196.9	28,700 *	37.3	206.0	29,800	46.1	216.0	27,100	53.6	221.7	24,400							115
120				25.4	187.6	26,700 *	32.8	198.8	28,100	42.4	210.9	25,500	50.3	217.8	23,000							120
125				18.4	175.2	24,800 *	27.6	190.2	26,600	38.4	205.0	24,100	46.8	213.4	21,700							125
130				6.2	152.3	21,400 *	21.3	179.2	25,200	34.0	198.2	22,800	43.2	208.4	20,500	50.7	213.8	18,200				130
135							12.2	162.6	23,800 *	29.0	190.0	21,600	39.2	202.7	19,400	47.3	209.5	17,200				135
140										23.0	179.7	20,500	34.9	196.1	18,400	43.6	204.6	16,300				140
145										15.0	165.2	19,500	30.0	188.2	17,500	39.7	199.0	15,500	47.4	204.3	13,500	145
150													24.3	178.4	16,600	35.4	192.5	14,700	43.8	199.4	12,800	150
155													16.9	165.1	15,800	30.7	184.8	14,000	39.9	193.8	12,200	155
160																25.1	175.3	13,300	35.6	187.3	11,500	160
165																18.0	162.7	12,600	30.9	179.7	10,900	165
170																4.8	137.9	11,900	25.4	170.3	10,400	170
180																			5.9	134.6	9,300	180

Liftcrane Luffing Jib Capacities

**Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
Without Front Bumper Counterweight
360 Degree Rating On Fully Extended Outriggers**

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5



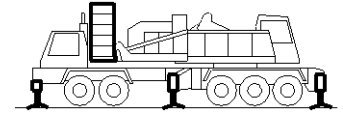
130 Ft. Boom, 120 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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	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	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
40	75.1	257.3	49,600 *																			40
45	72.6	255.9	48,700 *																			45
50	70.1	254.2	47,800 *																			50
55	67.5	252.3	46,900 *																			55
60	64.9	250.1	46,100 *	70.9	253.8	48,400 *																60
65	62.3	247.6	45,300 *	68.3	251.9	47,700 *																65
70	59.5	244.8	44,300 *	65.7	249.8	47,100 *																70
75	56.7	241.7	42,500 *	63.1	247.4	46,400 *	66.7	249.5	46,900 *													75
80	53.8	238.2	40,800 *	60.4	244.7	45,300 *	64.1	247.2	45,600 *													80
85	50.8	234.4	38,200 *	57.6	241.7	43,500 *	61.4	244.6	43,700 *													85
90	47.6	230.1	35,200 *	54.7	238.3	41,800 *	58.6	241.7	40,800													90
95	44.3	225.2	32,500 *	51.7	234.6	39,300 *	55.8	238.5	38,000	62.1	242.7	34,500										95
100	40.8	219.8	30,200 *	48.6	230.4	36,200 *	52.8	234.9	35,500	59.3	239.9	32,200										100
105	37.0	213.6	28,100 *	45.3	225.7	33,400 *	49.8	230.9	33,300	56.5	236.8	30,200										105
110	32.8	206.4	26,100 *	41.9	220.5	31,000 *	46.6	226.5	31,200	53.6	233.3	28,300										110
115	28.1	197.9	24,400 *	38.2	214.5	28,800 *	43.2	221.4	29,400	50.6	229.4	26,600	57.1	233.9	23,900							115
120	22.5	187.3	22,700 *	34.1	207.7	26,800 *	39.6	215.8	27,800	47.4	225.0	25,100	54.2	230.5	22,500							120
125	15.1	172.6	20,600 *	29.6	199.6	25,000 *	35.7	209.3	26,200	44.1	220.2	23,700	51.2	226.6	21,200							125
130				24.3	189.8	23,300 *	31.3	201.7	24,800	40.5	214.7	22,400	48.0	222.4	20,100							130
135				17.7	176.8	21,700 *	26.4	192.6	23,600	36.7	208.4	21,300	44.7	217.6	19,000	51.6	222.6	16,800				135
140				6.0	152.9	18,800 *	20.4	181.1	22,400 *	32.5	201.1	20,200	41.2	212.3	18,000	48.4	218.4	15,900				140
145							11.7	163.7	20,800 *	27.7	192.5	19,200	37.5	206.2	17,100	45.2	213.8	15,000				145
150										22.0	181.7	18,200	33.3	199.1	16,200	41.7	208.5	14,200				150
155										14.4	166.5	17,300	28.7	190.8	15,400	38.0	202.5	13,500	45.3	208.5	11,700	155
160													23.3	180.5	14,600	33.9	195.6	12,800	41.8	203.3	11,100	160
165													16.2	166.6	13,900	29.3	187.5	12,200	38.1	197.3	10,500	165
170																24.0	177.5	11,600	34.1	190.5	9,900	170
180																4.6	138.3	10,400	24.3	172.5	8,900	180
190																			5.7	135.2	8,000	190

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
 Boom No. 78T With Heavy Lift Top
 95,400 Lb. Crane Counterweight
 Without Front Bumper Counterweight
 360 Degree Rating On Fully Extended Outriggers

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5



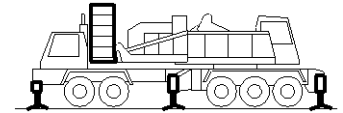
130 Ft. Boom, 130 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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	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	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	74.0	266.3	45,900 *																			45
50	71.7	264.8	45,100 *																			50
55	69.3	263.0	44,300 *																			55
60	67.0	261.0	43,600 *																			60
65	64.6	258.8	42,600 *	70.1	262.6	44,800 *																65
70	62.1	256.3	41,000 *	67.7	260.7	44,200 *																70
75	59.6	253.5	39,400 *	65.3	258.5	43,400 *																75
80	57.0	250.4	37,800 *	62.8	256.1	41,800 *	66.2	258.2	43,500 *													80
85	54.3	247.0	36,400 *	60.3	253.3	40,200 *	63.7	255.9	42,300 *													85
90	51.5	243.2	34,900 *	57.8	250.3	38,700 *	61.3	253.3	40,500 *													90
95	48.7	239.0	32,400 *	55.1	247.0	37,200 *	58.7	250.4	37,700 *													95
100	45.7	234.4	30,100 *	52.4	243.4	35,800 *	56.1	247.2	35,200 *	61.9	251.4	31,900 *										100
105	42.5	229.2	27,900 *	49.5	239.3	33,300 *	53.4	243.7	33,000 *	59.4	248.6	29,900 *										105
110	39.1	223.4	26,000 *	46.6	234.8	30,900 *	50.6	239.8	31,000 *	56.8	245.5	28,000 *										110
115	35.5	216.8	24,300 *	43.5	229.8	28,700 *	47.7	235.5	29,100 *	54.1	242.0	26,300 *										115
120	31.5	209.3	22,700 *	40.2	224.2	26,700 *	44.6	230.7	27,500 *	51.3	238.2	24,800 *	57.3	242.5	22,200 *							120
125	27.0	200.3	21,300 *	36.6	217.9	24,900 *	41.4	225.3	26,000 *	48.4	234.0	23,400 *	54.6	239.2	20,900 *							125
130	21.6	189.3	19,900 *	32.7	210.7	23,300 *	38.0	219.3	24,600 *	45.4	229.3	22,200 *	51.9	235.4	19,700 *							130
135	14.5	173.9	18,000 *	28.4	202.2	21,800 *	34.2	212.4	23,300 *	42.2	224.1	21,000 *	49.0	231.3	18,700 *							135
140				23.4	191.9	20,400 *	30.1	204.5	22,100 *	38.9	218.3	19,900 *	46.0	226.7	17,700 *	52.2	231.4	15,500 *				140
145				17.0	178.3	19,100 *	25.3	194.9	21,000 *	35.2	211.6	18,900 *	42.9	221.6	16,800 *	49.4	227.4	14,700 *				145
150				5.7	153.4	16,500 *	19.6	182.8	19,600 *	31.2	204.0	18,000 *	39.5	215.9	15,900 *	46.4	222.8	13,900 *				150
155							11.3	164.7	18,300 *	26.6	194.9	17,100 *	35.9	209.5	15,100 *	43.3	217.8	13,200 *				155
160										21.2	183.6	16,300 *	32.0	202.0	14,400 *	40.0	212.2	12,500 *	46.5	217.6	10,700 *	160
165										13.8	167.8	15,500 *	27.6	193.3	13,700 *	36.4	205.8	11,900 *	43.4	212.6	10,200 *	165
170													22.3	182.6	13,000 *	32.5	198.6	11,300 *	40.1	207.0	9,600 *	170
180																23.1	179.6	10,200 *	32.7	193.5	8,600 *	180
190																4.4	138.7	9,200 *	23.3	174.6	7,700 *	190
200																			5.5	135.6	6,900 *	200

Liftcrane Luffing Jib Capacities

**Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
Without Front Bumper Counterweight
360 Degree Rating On Fully Extended Outriggers**

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5



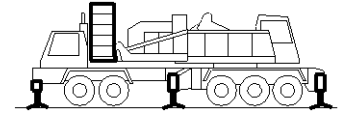
130 Ft. Boom, 140 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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	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	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	75.2	276.7	43,000 *																			45
50	73.0	275.3	42,300 *																			50
55	70.9	273.7	41,600 *																			55
60	68.7	271.8	40,800 *																			60
65	66.5	269.8	39,200 *																			65
70	64.2	267.5	37,600 *	69.4	271.4	41,200 *																70
75	61.9	264.9	36,100 *	67.2	269.4	39,800 *																75
80	59.6	262.1	34,600 *	64.9	267.2	38,300 *	68.0	269.1	40,000 *													80
85	57.2	259.1	33,100 *	62.6	264.7	36,800 *	65.7	267.0	38,600 *													85
90	54.7	255.7	31,800 *	60.3	262.0	35,300 *	63.5	264.6	37,200 *													90
95	52.2	252.0	30,400 *	57.9	259.0	33,900 *	61.2	262.0	35,800 *													95
100	49.5	247.9	29,200 *	55.5	255.7	32,500 *	58.8	259.1	34,400 *													100
105	46.8	243.4	27,700 *	53.0	252.1	31,200 *	56.4	255.9	32,600 *	61.8	260.1	29,400										105
110	43.9	238.5	25,800 *	50.3	248.2	29,900 *	53.9	252.4	30,600	59.4	257.2	27,600										110
115	40.9	233.0	24,100 *	47.6	243.8	28,500 *	51.3	248.6	28,800	57.0	254.1	25,900										115
120	37.6	226.9	22,500 *	44.8	239.0	26,500 *	48.6	244.4	27,100	54.5	250.7	24,400										120
125	34.2	220.0	21,100 *	41.8	233.7	24,700 *	45.9	239.8	25,600	52.0	247.0	23,000	57.5	251.2	20,500							125
130	30.3	212.0	19,800 *	38.6	227.8	23,100 *	42.9	234.7	24,200	49.3	242.9	21,800	55.0	247.9	19,300							130
135	26.0	202.7	18,500 *	35.2	221.2	21,600 *	39.8	229.0	23,000	46.6	238.4	20,600	52.5	244.2	18,200							135
140	20.8	191.1	17,300 *	31.5	213.6	20,300 *	36.5	222.6	21,800	43.7	233.4	19,500	49.9	240.2	17,200							140
145	14.0	175.2	15,700 *	27.4	204.7	19,000 *	32.9	215.4	20,700	40.6	227.9	18,500	47.1	235.8	16,300	52.8	240.2	14,200				145
150				22.5	193.9	17,800 *	29.0	207.1	19,500 *	37.4	221.7	17,600	44.3	230.9	15,500	50.2	236.2	13,500				150
155				16.3	179.8	16,700 *	24.4	197.1	18,300 *	33.9	214.7	16,700	41.3	225.5	14,700	47.5	231.9	12,700				155
160				5.5	153.9	14,400 *	18.8	184.5	17,100 *	30.0	206.7	15,900	38.0	219.4	14,000	44.6	227.0	12,100				160
165							10.8	165.6	16,000 *	25.6	197.2	15,100	34.6	212.6	13,300	41.6	221.7	11,400	47.6	226.6	9,700	165
170										20.4	185.5	14,400	30.8	204.9	12,600	38.5	215.8	10,900	44.8	221.8	9,100	170
180													21.5	184.5	11,400	31.3	201.4	9,800	38.6	210.6	8,200	180
190																22.2	181.6	8,800	31.5	196.3	7,300	190
200																4.3	139.1	7,900	22.4	176.7	6,500	200
210																			5.3	136.1	5,800	210

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
 Boom No. 78T With Heavy Lift Top
 95,400 Lb. Crane Counterweight
 Without Front Bumper Counterweight
 360 Degree Rating On Fully Extended Outriggers

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5



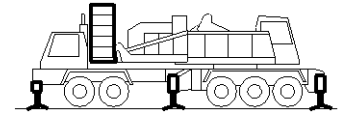
130 Ft. Boom, 150 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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	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	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	74.2	285.7	39,600 *																			50
55	72.2	284.2	38,900 *																			55
60	70.2	282.5	37,700 *																			60
65	68.1	280.6	36,200 *																			65
70	66.1	278.5	34,700 *	70.8	282.0	38,000 *																70
75	64.0	276.2	33,200 *	68.8	280.2	36,700 *																75
80	61.8	273.6	31,800 *	66.7	278.1	35,300 *																80
85	59.6	270.8	30,400 *	64.6	275.9	33,800 *	67.5	277.9	35,400 *													85
90	57.4	267.7	29,100 *	62.5	273.4	32,500 *	65.4	275.7	34,200 *													90
95	55.1	264.4	27,800 *	60.3	270.7	31,100 *	63.3	273.3	32,800 *													95
100	52.7	260.7	26,600 *	58.1	267.7	29,800 *	61.1	270.6	31,500 *													100
105	50.3	256.8	25,400 *	55.8	264.4	28,500 *	58.9	267.7	30,200 *													105
110	47.7	252.4	24,300 *	53.4	260.9	27,200 *	56.6	264.6	28,900 *	61.6	268.7	27,400										110
115	45.1	247.7	23,200 *	51.0	257.0	26,000 *	54.3	261.1	27,700 *	59.5	265.9	25,800										115
120	42.3	242.4	22,200 *	48.5	252.8	24,800 *	51.9	257.4	26,500 *	57.2	262.8	24,300										120
125	39.4	236.7	21,100 *	45.9	248.1	23,700 *	49.5	253.3	25,300 *	54.9	259.5	22,900										125
130	36.3	230.2	19,800 *	43.2	243.1	22,700 *	46.9	248.8	24,100	52.5	255.8	21,600	57.7	259.9	19,200							130
135	33.0	223.0	18,600 *	40.3	237.5	21,600 *	44.2	243.9	22,900	50.1	251.8	20,500	55.4	256.6	18,100							135
140	29.3	214.7	17,400 *	37.3	231.2	20,300 *	41.4	238.5	21,700	47.5	247.4	19,400	53.0	253.0	17,100							140
145	25.1	205.0	16,400 *	34.0	224.3	19,000 *	38.4	232.6	20,600	44.9	242.6	18,400	50.6	249.0	16,200							145
150	20.1	192.9	15,400 *	30.4	216.3	17,900 *	35.2	225.9	19,500 *	42.1	237.3	17,500	48.1	244.7	15,400							150
155	13.5	176.4	13,900 *	26.4	207.1	16,800 *	31.8	218.3	18,300 *	39.2	231.5	16,600	45.4	240.0	14,600	50.9	245.1	12,600				155
160				21.7	195.9	15,800 *	28.0	209.6	17,200 *	36.1	225.0	15,800	42.7	234.9	13,900	48.4	240.8	11,900				160
165				15.8	181.2	14,800 *	23.6	199.3	16,200 *	32.7	217.7	15,000	39.8	229.2	13,200	45.8	236.2	11,300				165
170				5.3	154.3	12,800 *	18.2	186.1	15,200 *	29.0	209.4	14,300	36.7	222.8	12,500	43.1	231.1	10,700				170
180										19.7	187.2	13,000	29.7	207.6	11,300	37.1	219.2	9,700	43.2	225.9	8,100	180
190													20.8	186.4	10,300	30.2	204.2	8,700	37.2	214.0	7,200	190
200																21.4	183.5	7,800	30.4	199.1	6,400	200
210																4.1	139.4	7,000	21.7	178.6	5,700	210
220																			5.1	136.6	5,000	220

Liftcrane Luffing Jib Capacities

**Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
Without Front Bumper Counterweight
360 Degree Rating On Fully Extended Outriggers**

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5



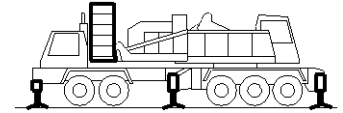
130 Ft. Boom, 160 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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	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	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	75.2	296.1	36,900 *																			50
55	73.3	294.7	36,000 *																			55
60	71.5	293.1	34,500 *																			60
65	69.6	291.3	33,100 *																			65
70	67.6	289.4	31,700 *																			70
75	65.7	287.2	30,200 *	70.1	290.9	33,400 *																75
80	63.7	284.8	28,900 *	68.2	289.0	32,100 *																80
85	61.7	282.3	27,500 *	66.3	286.9	30,800 *																85
90	59.6	279.4	26,200 *	64.3	284.6	29,400 *	67.0	286.6	31,000 *													90
95	57.5	276.4	25,000 *	62.3	282.1	28,100 *	65.0	284.4	29,700 *													95
100	55.4	273.1	23,800 *	60.3	279.3	26,800 *	63.1	281.9	28,500 *													100
105	53.2	269.5	22,600 *	58.2	276.3	25,600 *	61.0	279.3	27,200 *													105
110	50.9	265.6	21,500 *	56.1	273.1	24,400 *	59.0	276.4	26,000 *													110
115	48.6	261.4	20,400 *	53.9	269.6	23,200 *	56.8	273.3	24,800 *	61.5	277.4	25,400										115
120	46.1	256.8	19,400 *	51.6	265.8	22,000 *	54.7	269.9	23,600 *	59.5	274.6	23,900										120
125	43.6	251.7	18,500 *	49.3	261.7	21,000 *	52.5	266.2	22,500 *	57.4	271.5	22,500										125
130	40.9	246.2	17,600 *	46.9	257.2	19,900 *	50.2	262.2	21,400 *	55.2	268.2	21,200										130
135	38.1	240.2	16,700 *	44.4	252.3	18,900 *	47.8	257.8	20,300 *	53.0	264.5	20,100	57.8	268.6	17,700							135
140	35.1	233.4	15,900 *	41.8	247.0	18,000 *	45.3	253.1	19,300 *	50.7	260.6	19,000	55.7	265.3	16,700							140
145	31.9	225.9	15,100 *	39.0	241.1	17,100 *	42.7	247.9	18,400 *	48.4	256.4	18,000	53.5	261.7	15,800							145
150	28.3	217.3	14,400 *	36.1	234.6	16,200 *	40.0	242.2	17,500 *	46.0	251.7	17,100	51.2	257.9	14,900							150
155	24.3	207.2	13,700 *	32.9	227.3	15,400 *	37.2	236.0	16,600 *	43.4	246.7	16,200	48.9	253.7	14,200							155
160	19.5	194.7	13,100 *	29.4	219.0	14,700 *	34.1	229.0	15,800 *	40.7	241.1	15,400	46.4	249.1	13,400	51.5	253.9	11,500				160
165	13.1	177.6	12,100 *	25.6	209.4	14,000 *	30.8	221.1	15,000 *	37.9	235.0	14,700	43.9	244.1	12,800	49.2	249.7	10,900				165
170				21.0	197.8	13,400 *	27.0	212.1	14,300 *	34.9	228.2	14,000	41.3	238.7	12,100	46.8	245.2	10,300				170
180				5.2	154.8	11,200 *	17.6	187.7	13,000 *	28.0	211.9	12,700	35.5	226.1	10,900	41.6	234.9	9,200	46.9	240.0	7,600	180
190										19.0	188.9	11,500	28.8	210.2	9,900	35.9	222.5	8,300	41.7	229.7	6,700	190
200													20.1	188.2	8,900	29.2	206.8	7,400	36.0	217.3	6,000	200
210																20.8	185.4	6,700	29.4	201.8	5,300	210
220																4.0	139.8	5,900	21.0	180.5	4,600	220
230																			4.9	137.0	4,000	230

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
 Boom No. 78T With Heavy Lift Top
 95,400 Lb. Crane Counterweight
 Without Front Bumper Counterweight
 360 Degree Rating On Fully Extended Outriggers

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5



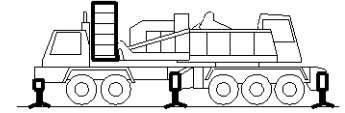
130 Ft. Boom, 170 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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	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	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
55	74.4	305.1	32,800 *																			55
60	72.6	303.6	31,800 *																			60
65	70.8	301.9	30,500 *																			65
70	69.0	300.1	29,100 *																			70
75	67.2	298.1	27,800 *																			75
80	65.4	295.9	26,500 *	69.6	299.7	29,400 *																80
85	63.5	293.5	25,200 *	67.8	297.7	28,200 *																85
90	61.6	290.9	23,900 *	65.9	295.6	26,900 *																90
95	59.7	288.1	22,700 *	64.1	293.3	25,700 *	66.6	295.3	27,200 *													95
100	57.7	285.1	21,600 *	62.2	290.7	24,400 *	64.8	293.1	26,000 *													100
105	55.7	281.8	20,500 *	60.3	288.0	23,300 *	62.9	290.6	24,800 *													105
110	53.6	278.2	19,400 *	58.3	285.0	22,100 *	61.0	288.0	23,600 *													110
115	51.5	274.4	18,400 *	56.3	281.8	21,000 *	59.0	285.1	22,500 *													115
120	49.3	270.3	17,400 *	54.2	278.3	19,900 *	57.0	281.9	21,400 *	61.5	286.1	23,500										120
125	47.0	265.8	16,400 *	52.1	274.6	18,800 *	55.0	278.6	20,300 *	59.5	283.2	22,200										125
130	44.7	260.9	15,600 *	50.0	270.6	17,800 *	52.9	274.9	19,200 *	57.5	280.2	20,900										130
135	42.2	255.7	14,700 *	47.7	266.2	16,900 *	50.8	271.0	18,200 *	55.5	276.9	19,800										135
140	39.7	249.9	13,900 *	45.4	261.4	16,000 *	48.6	266.8	17,300 *	53.4	273.3	18,700	57.9	277.2	16,400							140
145	36.9	243.6	13,100 *	43.0	256.3	15,100 *	46.3	262.2	16,300 *	51.3	269.4	17,700	55.9	274.0	15,500							145
150	34.0	236.6	12,400 *	40.5	250.7	14,300 *	43.9	257.2	15,400 *	49.1	265.3	16,800	53.9	270.5	14,600							150
155	30.9	228.7	11,700 *	37.8	244.6	13,500 *	41.4	251.8	14,600 *	46.9	260.8	15,900	51.7	266.7	13,900							155
160	27.5	219.8	10,800 *	34.9	237.8	12,700 *	38.8	245.8	13,800 *	44.5	255.9	15,100	49.6	262.6	13,100							160
165	23.5	209.3	10,000 *	31.9	230.2	12,000 *	36.0	239.3	13,000 *	42.0	250.6	14,400	47.3	258.1	12,400	52.0	262.7	10,500				165
170	18.9	196.4	9,200 *	28.5	221.6	11,100 *	33.0	232.0	12,300 *	39.5	244.8	13,700	45.0	253.3	11,800	49.9	258.6	10,000				170
180				20.4	199.6	9,500 *	26.2	214.4	10,600 *	33.8	231.3	12,400	40.0	242.4	10,600	45.3	249.5	8,900				180
190				5.0	155.2	8,200 *	17.1	189.2	9,000 *	27.2	214.4	10,800 *	34.4	229.2	9,600	40.3	238.7	8,000	45.4	244.3	6,400	190
200										18.5	190.6	9,200 *	27.9	212.7	8,700	34.8	225.7	7,100	40.4	233.5	5,700	200
210													19.5	189.9	7,800	28.3	209.4	6,400	34.9	220.5	5,000	210
220																20.1	187.2	5,700	28.5	204.4	4,300	220
230																3.9	140.1	5,000				230

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
Without Front Bumper Counterweight
360 Degree Rating On Fully Extended Outriggers

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5



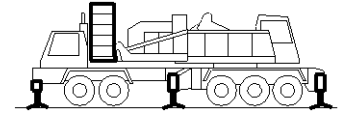
140 Ft. Boom, 70 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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	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	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
35	68.6	216.6	92,200 *b																			35
40	64.2	214.4	87,400 *b																			40
45	59.5	211.7	81,800 *b																			45
50	54.6	208.5	76,700 *	66.3	214.4	73,500 *b																50
55	49.4	204.6	69,500 *	61.8	212.0	69,100 *b																55
60	43.8	199.8	61,600 *	57.0	209.0	65,100 *	63.9	212.0	62,300 *b													60
65	37.5	194.0	55,000 *	52.0	205.4	61,400 *	59.3	209.3	58,800 *b													65
70	30.2	186.6	49,500 *	46.6	201.1	58,000 *	54.4	206.1	55,600 *													70
75	20.6	176.0	43,900 *	40.6	195.9	53,800 *	49.2	202.1	52,600 *	61.3	207.8	48,000 *b										75
80				33.9	189.3	50,000 *	43.5	197.4	48,700	56.5	204.7	44,400										80
85				25.6	180.6	46,600 *	37.2	191.5	45,000	51.4	201.1	41,000										85
90				13.3	166.4	41,000 *	29.8	183.9	41,800	46.0	196.7	38,100										90
95							20.0	173.1	38,900	40.0	191.3	35,500	53.3	198.7	32,000							95
100										33.1	184.6	33,200	48.0	194.6	29,900							100
105										24.6	175.5	31,100	42.2	189.6	28,100							105
110										11.3	160.0	29,200	35.7	183.4	26,400	49.6	191.0	23,500				110
115													28.0	175.4	24,800	44.0	186.3	22,100				115
120													17.3	163.4	23,400	37.7	180.5	20,900				120
125																30.4	173.1	19,700	45.1	181.5	17,300	125
130																20.9	162.7	18,600	39.0	176.0	16,400	130
135																			31.9	168.9	15,500	135
140																			23.1	159.3	14,700	140
145																			7.5	141.0	13,800	145

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
 Boom No. 78T With Heavy Lift Top
 95,400 Lb. Crane Counterweight
 Without Front Bumper Counterweight
 360 Degree Rating On Fully Extended Outriggers

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5



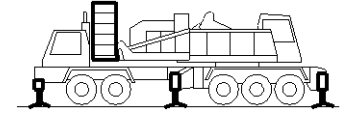
140 Ft. Boom, 80 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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	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	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	
35	71.4	227.2	85,700 *b																			35
40	67.6	225.3	83,600 *b																			40
45	63.6	223.1	80,200 *																			45
50	59.6	220.4	75,500 *	69.4	225.2	72,200 *b																50
55	55.3	217.2	70,100 *	65.5	223.1	68,200 *b																55
60	50.8	213.4	62,100 *	61.5	220.6	64,400 *	67.4	223.0	61,300 *b													60
65	46.1	209.0	55,500 *	57.4	217.7	60,900 *	63.4	220.7	58,100 *													65
70	40.9	203.7	50,100 *	53.0	214.2	57,500 *	59.4	218.0	55,000 *													70
75	35.0	197.3	45,400 *	48.4	210.1	53,500 *	55.1	214.8	52,200 *													75
80	28.2	189.2	41,300 *	43.4	205.3	49,600 *	50.6	211.0	48,300	61.1	216.4	43,900										80
85	19.3	177.8	37,000 *	37.9	199.5	46,200 *	45.8	206.5	44,600	56.9	213.4	40,600										85
90				31.6	192.2	43,200 *	40.6	201.2	41,400	52.5	209.9	37,600										90
95				23.9	182.7	39,600 *	34.7	194.7	38,600	47.9	205.7	35,000										95
100				12.4	167.5	34,800 *	27.8	186.5	36,100	42.8	200.8	32,800	54.2	207.4	29,400							100
105							18.7	174.8	33,800	37.3	194.8	30,700	49.6	203.5	27,600							105
110										30.9	187.5	28,800	44.7	198.9	25,900							110
115										23.0	177.6	27,100	39.4	193.3	24,400	51.0	199.9	21,600				115
120										10.5	161.0	25,600	33.3	186.5	23,000	46.2	195.5	20,400				120
125													26.1	177.8	21,700	41.0	190.2	19,200				125
130													16.2	164.9	20,500	35.2	183.8	18,200	47.1	190.6	15,800	130
135																28.4	175.7	17,200	42.0	185.5	15,000	135
140																19.6	164.5	16,300	36.4	179.4	14,200	140
145																			29.8	171.7	13,400	145
150																			21.6	161.3	12,700	150
155																			7.0	141.6	12,000	155

Liftcrane Luffing Jib Capacities

**Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
Without Front Bumper Counterweight
360 Degree Rating On Fully Extended Outriggers**

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5



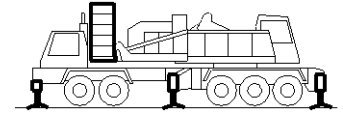
140 Ft. Boom, 90 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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	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	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
35	73.5	237.7	77,400 *b																			35
40	70.2	236.0	75,000 *b																			40
45	66.8	234.1	72,500 *																			45
50	63.2	231.7	69,700 *																			50
55	59.6	229.0	67,100 *	68.4	234.0	65,500 *b																55
60	55.9	225.9	62,200 *	64.9	231.8	62,100 *																60
65	51.9	222.2	55,600 *	61.4	229.3	59,000 *	66.6	231.7	56,200 *													65
70	47.8	218.0	50,200 *	57.7	226.4	56,000 *	63.1	229.4	53,400 *													70
75	43.3	213.1	45,600 *	53.8	223.0	53,100 *	59.4	226.7	50,800 *													75
80	38.4	207.3	41,600 *	49.8	219.0	49,200 *	55.7	223.5	48,000													80
85	33.0	200.4	38,100 *	45.5	214.5	45,800 *	51.7	219.8	44,400	61.0	225.1	40,200										85
90	26.5	191.6	35,000 *	40.8	209.1	42,800 *	47.5	215.5	41,200	57.3	222.1	37,300										90
95	18.2	179.5	31,600 *	35.7	202.8	39,900 *	43.1	210.6	38,400	53.4	218.6	34,800										95
100				29.8	195.0	36,600 *	38.2	204.8	35,900	49.3	214.6	32,500										100
105				22.5	184.8	33,700 *	32.7	197.7	33,600	45.0	210.0	30,400	54.8	216.1	27,300							105
110				11.7	168.6	30,000 *	26.2	188.9	31,600	40.3	204.6	28,600	50.8	212.3	25,600							110
115							17.6	176.4	29,800	35.1	198.1	26,900	46.6	208.0	24,100							115
120										29.1	190.1	25,400	42.0	202.8	22,700	52.0	208.7	20,000				120
125										21.6	179.6	24,000	37.0	196.8	21,400	47.9	204.5	18,900				125
130										9.9	161.9	22,700	31.4	189.4	20,300	43.4	199.6	17,900				130
135													24.6	180.0	19,200	38.5	193.8	16,900				135
140													15.2	166.2	18,200	33.1	186.9	16,000	44.3	194.8	13,800	140
145																26.7	178.2	15,200	39.5	189.2	13,100	145
150																18.4	166.2	14,400	34.2	182.5	12,400	150
155																			28.1	174.3	11,800	155
160																			20.3	163.1	11,100	160
165																			6.6	142.2	10,500	165

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
 Boom No. 78T With Heavy Lift Top
 95,400 Lb. Crane Counterweight
 Without Front Bumper Counterweight
 360 Degree Rating On Fully Extended Outriggers

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5



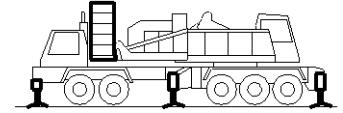
140 Ft. Boom, 100 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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	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	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
35	75.2	248.1	70,900 *b																			35
40	72.2	246.6	68,900 *b																			40
45	69.2	244.9	66,800 *																			45
50	66.1	242.8	64,800 *																			50
55	62.9	240.4	62,200 *	70.7	244.7	63,300 *																55
60	59.7	237.7	59,800 *	67.6	242.8	60,200 *																60
65	56.3	234.6	55,500 *	64.4	240.5	57,300 *																65
70	52.8	231.0	50,100 *	61.2	238.0	54,500 *	65.9	240.5	51,900 *													70
75	49.1	226.9	45,500 *	57.9	235.0	51,900 *	62.8	238.1	49,500 *													75
80	45.2	222.3	41,500 *	54.5	231.7	48,700 *	59.5	235.3	47,200 *													80
85	41.0	216.9	38,100 *	50.9	227.9	45,300 *	56.1	232.2	44,000													85
90	36.4	210.7	35,100 *	47.1	223.5	42,300 *	52.6	228.6	40,800	60.9	233.7	36,900										90
95	31.2	203.2	32,400 *	43.0	218.5	39,600 *	48.9	224.5	38,000	57.6	230.8	34,300										95
100	25.2	193.9	30,000 *	38.6	212.7	36,600 *	45.0	219.8	35,500	54.1	227.4	32,000										100
105	17.2	181.0	27,200 *	33.8	205.9	33,800 *	40.7	214.4	33,300	50.5	223.5	30,000										105
110				28.2	197.6	31,300 *	36.1	208.1	31,300	46.6	219.1	28,200	55.4	224.8	25,100							110
115				21.4	186.7	28,900 *	30.9	200.6	29,400	42.6	214.0	26,500	51.8	221.2	23,600							115
120				11.1	169.6	25,900 *	24.8	191.1	27,800	38.1	208.1	25,000	48.1	217.0	22,200							120
125							16.7	178.0	26,200	33.2	201.2	23,600	44.1	212.1	21,000	52.9	217.4	18,400				125
130										27.6	192.6	22,300	39.8	206.6	19,800	49.2	213.4	17,300				130
135										20.5	181.4	21,100	35.1	200.0	18,800	45.3	208.8	16,400				135
140										9.4	162.7	20,000	29.7	192.2	17,800	41.1	203.4	15,500				140
145													23.3	182.1	16,900	36.5	197.2	14,700	46.0	203.9	12,600	145
150													14.5	167.5	16,000	31.4	189.8	13,900	41.9	198.7	11,900	150
155																25.3	180.5	13,200	37.4	192.7	11,300	155
160																17.5	167.7	12,500	32.4	185.5	10,700	160
165																			26.6	176.7	10,100	165
170																			19.3	164.9	9,600	170

Liftcrane Luffing Jib Capacities

**Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
Without Front Bumper Counterweight
360 Degree Rating On Fully Extended Outriggers**

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5



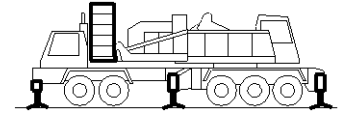
140 Ft. Boom, 110 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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	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	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
40	73.9	257.1	63,500 *b																			40
45	71.2	255.5	61,700 *																			45
50	68.4	253.6	59,800 *																			50
55	65.6	251.5	57,600 *																			55
60	62.7	249.1	55,600 *	69.7	253.5	58,300 *																60
65	59.7	246.3	53,600 *	66.9	251.5	55,700 *																65
70	56.6	243.2	50,200 *	64.1	249.2	53,200 *																70
75	53.4	239.7	45,600 *	61.1	246.6	50,800 *	65.4	249.2	48,300 *													75
80	50.1	235.8	41,700 *	58.1	243.7	48,500 *	62.5	246.7	46,200 *													80
85	46.7	231.4	38,300 *	55.0	240.4	45,200 *	59.5	244.0	43,900													85
90	43.0	226.3	35,300 *	51.7	236.7	42,200 *	56.5	240.9	40,700													90
95	39.0	220.6	32,700 *	48.3	232.5	39,500 *	53.3	237.3	37,900	60.8	242.4	34,200										95
100	34.6	213.9	30,300 *	44.7	227.7	36,800 *	50.0	233.4	35,400	57.8	239.4	31,900										100
105	29.7	205.9	28,100 *	40.9	222.4	34,000 *	46.5	228.9	33,200	54.6	236.1	29,900										105
110	24.0	196.1	26,200 *	36.8	216.1	31,500 *	42.8	223.8	31,200	51.4	232.3	28,100										110
115	16.4	182.5	23,800 *	32.2	208.9	29,300 *	38.8	218.0	29,400	48.0	228.1	26,400	55.8	233.5	23,500							115
120				26.9	200.0	27,200 *	34.4	211.3	27,800	44.4	223.3	24,900	52.6	229.9	22,100							120
125				20.4	188.6	25,300 *	29.5	203.3	26,200	40.5	217.8	23,600	49.2	225.9	20,900							125
130				10.6	170.5	22,800 *	23.6	193.3	24,900	36.3	211.5	22,300	45.7	221.3	19,700							130
135							16.0	179.4	23,600	31.6	204.1	21,100	41.9	216.1	18,700	50.2	222.3	16,300				135
140										26.3	195.0	20,000	37.9	210.1	17,700	46.7	217.8	15,400				140
145										19.6	183.2	19,000	33.4	203.1	16,800	43.0	212.8	14,600				145
150										9.0	163.5	18,100	28.3	194.8	16,000	39.1	207.1	13,900	47.4	212.9	11,800	150
155													22.2	184.2	15,200	34.7	200.4	13,200	43.8	208.0	11,200	155
160													13.8	168.8	14,400	29.9	192.5	12,500	39.9	202.4	10,600	160
165																24.1	182.7	11,900	35.6	196.0	10,000	165
170																16.7	169.2	11,300	30.9	188.4	9,500	170
180																			18.3	166.5	8,600	180

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
 Boom No. 78T With Heavy Lift Top
 95,400 Lb. Crane Counterweight
 Without Front Bumper Counterweight
 360 Degree Rating On Fully Extended Outriggers

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5



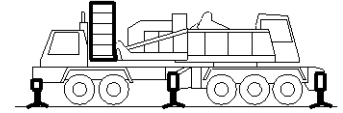
140 Ft. Boom, 120 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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	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	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
40	75.3	267.4	48,800 *b																			40
45	72.8	266.0	47,900 *																			45
50	70.3	264.3	47,100 *																			50
55	67.7	262.4	46,200 *																			55
60	65.1	260.2	45,500 *																			60
65	62.4	257.8	44,700 *	68.9	262.3	47,100 *																65
70	59.7	255.0	44,000 *	66.4	260.2	46,500 *																70
75	56.9	251.9	42,500 *	63.7	257.9	45,900 *	67.6	260.1	45,200 *													75
80	54.0	248.5	40,800 *	61.0	255.3	45,300 *	65.0	257.9	43,400 *													80
85	51.0	244.6	38,500 *	58.3	252.4	43,800 *	62.3	255.4	41,700 *													85
90	47.9	240.4	35,400 *	55.4	249.1	42,000 *	59.6	252.6	40,000 *													90
95	44.6	235.6	32,700 *	52.5	245.5	39,200 *	56.8	249.5	37,500													95
100	41.0	230.2	30,400 *	49.4	241.4	36,800 *	53.9	246.1	35,100	60.7	251.1	31,500										100
105	37.3	224.0	28,200 *	46.2	236.9	34,100 *	50.8	242.2	32,800	58.0	248.1	29,500										105
110	33.1	216.9	26,300 *	42.7	231.8	31,600 *	47.7	237.9	30,800	55.1	244.8	27,600										110
115	28.4	208.5	24,500 *	39.1	226.0	29,300 *	44.4	233.1	29,000	52.1	241.1	26,000										115
120	22.9	198.1	22,900 *	35.1	219.4	27,300 *	40.9	227.7	27,400	49.0	237.0	24,500	56.2	242.2	21,600							120
125	15.7	183.9	20,800 *	30.7	211.7	25,500 *	37.1	221.5	25,900	45.8	232.4	23,100	53.2	238.7	20,400							125
130				25.7	202.4	23,800 *	32.9	214.3	24,500	42.4	227.3	21,900	50.2	234.7	19,300							130
135				19.5	190.3	22,200 *	28.2	205.9	23,300	38.7	221.4	20,700	47.0	230.3	18,200							135
140				10.1	171.4	20,000 *	22.6	195.3	22,100	34.7	214.7	19,700	43.6	225.4	17,300	51.1	231.1	14,900				140
145							15.3	180.8	21,000	30.3	206.8	18,700	40.1	219.8	16,400	47.9	226.8	14,100				145
150										25.1	197.3	17,700	36.2	213.4	15,500	44.6	222.0	13,400				150
155										18.7	184.9	16,900	31.9	206.0	14,800	41.1	216.7	12,700				155
160										8.6	164.3	16,000	27.1	197.2	14,000	37.4	210.5	12,000	45.3	217.2	10,100	160
165													21.3	186.1	13,400	33.2	203.5	11,400	41.8	211.9	9,600	165
170													13.2	170.0	12,700	28.6	195.1	10,900	38.1	206.0	9,000	170
180																15.9	170.7	9,800	29.5	191.1	8,100	180
190																			17.6	168.1	7,200	190

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
Without Front Bumper Counterweight
360 Degree Rating On Fully Extended Outriggers

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5



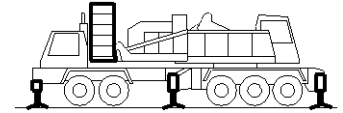
140 Ft. Boom, 130 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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	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	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	74.1	276.4	45,200 *																			45
50	71.8	274.9	44,400 *																			50
55	69.5	273.2	43,700 *																			55
60	67.1	271.2	43,000 *																			60
65	64.7	268.9	42,300 *	70.6	273.0	44,200 *																65
70	62.3	266.4	40,800 *	68.3	271.1	43,600 *																70
75	59.7	263.7	39,300 *	65.9	269.0	43,100 *																75
80	57.2	260.6	37,800 *	63.4	266.6	41,900 *	67.0	268.8	42,100 *													80
85	54.5	257.2	36,300 *	60.9	264.0	40,400 *	64.6	266.6	40,500 *													85
90	51.7	253.4	35,000 *	58.4	261.0	38,900 *	62.1	264.1	39,000 *													90
95	48.9	249.3	32,600 *	55.8	257.8	37,500 *	59.6	261.3	37,200													95
100	45.9	244.7	30,200 *	53.1	254.2	36,100 *	57.0	258.2	34,800													100
105	42.7	239.6	28,100 *	50.2	250.3	34,000 *	54.4	254.8	32,600	60.7	259.7	29,100										105
110	39.4	233.8	26,200 *	47.3	245.9	31,500 *	51.6	251.0	30,600	58.1	256.8	27,300										110
115	35.7	227.3	24,500 *	44.2	241.0	29,200 *	48.7	246.9	28,800	55.5	253.5	25,700										115
120	31.8	219.8	22,900 *	41.0	235.6	27,200 *	45.7	242.2	27,100	52.8	249.9	24,200										120
125	27.3	211.0	21,400 *	37.5	229.5	25,400 *	42.6	237.1	25,600	49.9	245.9	22,800	56.5	250.9	20,100							125
130	22.0	200.1	20,000 *	33.7	222.5	23,700 *	39.2	231.3	24,300	47.0	241.5	21,600	53.8	247.4	19,000							130
135	15.1	185.3	18,200 *	29.5	214.4	22,200 *	35.6	224.7	23,000	43.9	236.5	20,400	51.0	243.6	17,900							135
140				24.7	204.6	20,800 *	31.6	217.2	21,800	40.6	231.0	19,400	48.1	239.3	17,000							140
145				18.7	192.0	19,400 *	27.1	208.3	20,800	37.1	224.8	18,400	45.1	234.6	16,100	51.8	239.9	13,800				145
150				9.7	172.3	17,600 *	21.7	197.3	19,700	33.3	217.8	17,500	41.9	229.3	15,200	48.9	235.8	13,100				150
155							14.7	182.1	18,800 *	29.0	209.5	16,600	38.4	223.4	14,500	46.0	231.2	12,400				155
160										24.1	199.5	15,800	34.7	216.6	13,800	42.8	226.1	11,700				160
165										18.0	186.5	15,100	30.7	208.8	13,100	39.4	220.3	11,100	46.5	226.3	9,200	165
170										8.3	165.0	14,300	26.0	199.6	12,400	35.8	213.8	10,600	43.4	221.3	8,700	170
180													12.7	171.1	11,200	27.4	197.6	9,500	36.6	209.4	7,800	180
190																15.3	172.0	8,500	28.4	193.6	7,000	190
200																			16.9	169.6	6,200	200

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
 Boom No. 78T With Heavy Lift Top
 95,400 Lb. Crane Counterweight
 Without Front Bumper Counterweight
 360 Degree Rating On Fully Extended Outriggers

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5



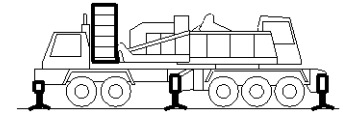
140 Ft. Boom, 140 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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	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	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	75.3	286.8	42,400 *																			45
50	73.2	285.4	41,700 *																			50
55	71.0	283.8	41,000 *																			55
60	68.9	281.9	40,300 *																			60
65	66.6	279.9	39,000 *																			65
70	64.4	277.6	37,500 *	69.9	281.8	40,700 *																70
75	62.1	275.1	36,000 *	67.7	279.8	39,900 *																75
80	59.8	272.3	34,500 *	65.5	277.7	38,400 *																80
85	57.4	269.3	33,100 *	63.2	275.3	37,000 *	66.5	277.6	38,800 *													85
90	54.9	265.9	31,800 *	60.9	272.6	35,600 *	64.3	275.3	37,500 *													90
95	52.4	262.2	30,500 *	58.5	269.7	34,100 *	62.0	272.8	36,100 *													95
100	49.7	258.2	29,200 *	56.1	266.5	32,800 *	59.6	270.0	34,400													100
105	47.0	253.7	27,900 *	53.6	263.0	31,500 *	57.2	266.9	32,200	63.0	271.1	28,700										105
110	44.1	248.8	26,000 *	51.0	259.1	30,200 *	54.8	263.5	30,200	60.6	268.4	26,900										110
115	41.1	243.4	24,300 *	48.3	254.8	28,900 *	52.2	259.8	28,400	58.3	265.4	25,300										115
120	37.9	237.3	22,700 *	45.5	250.2	27,000 *	49.6	255.8	26,800	55.8	262.2	23,800										120
125	34.4	230.5	21,200 *	42.6	245.0	25,200 *	46.8	251.3	25,300	53.3	258.6	22,400										125
130	30.6	222.6	19,900 *	39.4	239.2	23,500 *	44.0	246.4	23,900	50.7	254.7	21,200	56.7	259.6	18,500							130
135	26.3	213.4	18,600 *	36.1	232.8	22,000 *	40.9	240.9	22,600	48.0	250.4	20,000	54.2	256.2	17,500							135
140	21.2	202.0	17,500 *	32.5	225.4	20,600 *	37.7	234.8	21,500	45.2	245.7	19,000	51.7	252.4	16,500							140
145	14.6	186.6	15,900 *	28.4	216.9	19,300 *	34.2	227.9	20,400	42.2	240.5	18,000	49.0	248.2	15,600							145
150				23.8	206.7	18,100 *	30.4	220.0	19,400	39.1	234.7	17,100	46.2	243.7	14,800	52.4	248.7	12,600				150
155				18.0	193.6	17,000 *	26.1	210.7	18,500	35.7	228.1	16,200	43.3	238.6	14,000	49.8	244.6	11,900				155
160				9.4	173.1	15,400 *	20.9	199.2	17,600 *	32.1	220.7	15,400	40.3	233.0	13,300	47.1	240.2	11,300				160
165							14.1	183.3	16,400 *	28.0	212.0	14,700	37.0	226.8	12,700	44.2	235.3	10,700				165
170										23.2	201.6	14,000	33.4	219.7	12,000	41.2	229.9	10,100	47.6	235.3	8,200	170
180										8.0	165.8	12,700	25.1	201.8	10,900	34.5	217.0	9,100	41.8	225.2	7,300	180
190													12.2	172.2	9,800	26.4	200.0	8,100	35.2	212.6	6,500	190
200																14.7	173.4	7,300	27.3	196.1	5,800	200
210																			16.2	171.1	5,100	210

Liftcrane Luffing Jib Capacities

**Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
Without Front Bumper Counterweight
360 Degree Rating On Fully Extended Outriggers**

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5



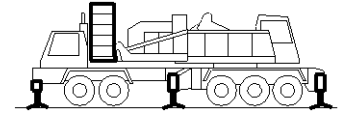
140 Ft. Boom, 150 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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	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	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	74.3	295.8	39,000 *																			50
55	72.3	294.3	38,400 *																			55
60	70.3	292.6	37,500 *																			60
65	68.3	290.7	36,000 *																			65
70	66.2	288.6	34,600 *																			70
75	64.1	286.3	33,100 *	69.3	290.6	36,700 *																75
80	62.0	283.8	31,800 *	67.2	288.6	35,400 *																80
85	59.8	281.0	30,400 *	65.1	286.4	34,000 *																85
90	57.5	277.9	29,100 *	63.0	283.9	32,700 *	66.1	286.3	34,400 *													90
95	55.2	274.6	27,800 *	60.8	281.3	31,300 *	64.0	284.0	33,100 *													95
100	52.9	271.0	26,600 *	58.6	278.4	30,000 *	61.9	281.4	31,900 *													100
105	50.5	267.0	25,400 *	56.3	275.2	28,700 *	59.7	278.6	30,600 *													105
110	47.9	262.7	24,300 *	54.0	271.7	27,500 *	57.4	275.6	29,300 *	62.8	279.7	26,700										110
115	45.3	258.0	23,300 *	51.6	267.9	26,300 *	55.1	272.2	28,100 *	60.6	277.1	25,100										115
120	42.5	252.8	22,200 *	49.1	263.8	25,100 *	52.8	268.6	26,600	58.4	274.1	23,600										120
125	39.6	247.1	21,200 *	46.6	259.2	24,000 *	50.3	264.6	25,100	56.1	270.9	22,300										125
130	36.5	240.7	19,900 *	43.9	254.3	23,000 *	47.8	260.3	23,800	53.8	267.4	21,000										130
135	33.2	233.5	18,700 *	41.0	248.8	22,000 *	45.2	255.5	22,500	51.4	263.6	19,900	56.9	268.3	17,300							135
140	29.5	225.3	17,500 *	38.0	242.8	20,600 *	42.4	250.3	21,400	48.9	259.4	18,900	54.6	264.9	16,400							140
145	25.4	215.7	16,500 *	34.8	236.0	19,400 *	39.5	244.5	20,300	46.3	254.8	17,900	52.3	261.2	15,500							145
150	20.5	203.9	15,500 *	31.3	228.3	18,200 *	36.4	238.1	19,300	43.6	249.8	17,000	49.8	257.1	14,700							150
155	14.1	187.8	14,100 *	27.4	219.4	17,100 *	33.0	230.9	18,400	40.7	244.3	16,100	47.2	252.7	13,900	52.9	257.4	11,800				155
160				22.9	208.8	16,000 *	29.3	222.6	17,500	37.7	238.2	15,300	44.6	247.9	13,200	50.5	253.5	11,100				160
165				17.4	195.2	15,000 *	25.2	212.9	16,600 *	34.5	231.3	14,600	41.8	242.5	12,500	48.0	249.2	10,500				165
170				9.1	173.9	13,600 *	20.2	201.0	15,600 *	30.9	223.5	13,900	38.8	236.6	11,900	45.4	244.5	10,000				170
180										22.4	203.6	12,600	32.3	222.6	10,800	39.7	233.6	9,000	45.9	239.6	7,200	180
190										7.7	166.4	11,500	24.2	204.0	9,700	33.3	220.1	8,000	40.3	228.9	6,400	190
200													11.8	173.2	8,800	25.5	202.3	7,200	34.0	215.7	5,600	200
210																14.2	174.6	6,400	26.4	198.5	5,000	210
220																			15.7	172.5	4,400	220

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
 Boom No. 78T With Heavy Lift Top
 95,400 Lb. Crane Counterweight
 Without Front Bumper Counterweight
 360 Degree Rating On Fully Extended Outriggers

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5



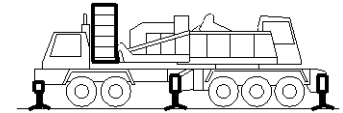
140 Ft. Boom, 160 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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	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	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	75.3	306.2	36,300 *																			50
55	73.5	304.8	35,700 *																			55
60	71.6	303.2	34,300 *																			60
65	69.7	301.4	32,900 *																			65
70	67.8	299.5	31,500 *																			70
75	65.8	297.4	30,200 *	70.6	301.2	33,500 *																75
80	63.9	295.0	28,800 *	68.7	299.4	32,200 *																80
85	61.8	292.4	27,500 *	66.8	297.3	30,900 *																85
90	59.8	289.6	26,200 *	64.8	295.1	29,600 *	67.7	297.2	31,200 *													90
95	57.7	286.6	25,000 *	62.8	292.6	28,300 *	65.7	295.0	30,000 *													95
100	55.6	283.3	23,800 *	60.8	289.9	27,100 *	63.8	292.7	28,800 *													100
105	53.3	279.7	22,700 *	58.7	287.0	25,800 *	61.7	290.1	27,600 *													105
110	51.1	275.9	21,600 *	56.6	283.9	24,600 *	59.7	287.3	26,400 *													110
115	48.7	271.7	20,500 *	54.4	280.4	23,500 *	57.6	284.2	25,200 *	62.6	288.4	24,700										115
120	46.3	267.1	19,500 *	52.2	276.7	22,300 *	55.4	280.9	24,000 *	60.6	285.7	23,200										120
125	43.8	262.1	18,500 *	49.9	272.6	21,200 *	53.2	277.3	22,900 *	58.5	282.8	21,900										125
130	41.1	256.6	17,600 *	47.5	268.2	20,200 *	51.0	273.4	21,800 *	56.4	279.6	20,600										130
135	38.3	250.6	16,800 *	45.0	263.5	19,200 *	48.6	269.2	20,700 *	54.2	276.1	19,500										135
140	35.3	243.9	16,000 *	42.4	258.2	18,200 *	46.2	264.6	19,700 *	51.9	272.3	18,500	57.1	277.0	15,900							140
145	32.1	236.4	15,200 *	39.7	252.5	17,300 *	43.7	259.6	18,800 *	49.6	268.3	17,500	55.0	273.6	15,100							145
150	28.6	227.9	14,400 *	36.8	246.1	16,500 *	41.0	254.1	17,800 *	47.2	263.8	16,600	52.8	269.9	14,200							150
155	24.6	217.9	13,800 *	33.7	239.1	15,700 *	38.2	248.1	17,000 *	44.7	259.0	15,700	50.5	266.0	13,500							155
160	19.8	205.7	13,200 *	30.3	231.1	14,900 *	35.2	241.4	16,100 *	42.1	253.7	15,000	48.1	261.7	12,800							160
165	13.6	189.0	12,300 *	26.5	221.8	14,200 *	31.9	233.8	15,300 *	39.4	247.9	14,200	45.7	257.0	12,100	51.1	262.3	10,100				165
170				22.2	210.8	13,600 *	28.4	225.2	14,600 *	36.5	241.5	13,500	43.1	251.9	11,500	48.8	258.1	9,500				170
180				8.8	174.7	11,900 *	19.6	202.7	13,300 *	29.9	226.2	12,300	37.6	240.1	10,400	43.8	248.6	8,500				180
190										21.7	205.6	11,100	31.2	225.5	9,400	38.4	237.1	7,600	44.4	243.8	5,900	190
200										7.4	167.1	10,100	23.4	206.1	8,400	32.2	223.0	6,800	39.0	232.5	5,200	200
210													11.4	174.2	7,600	24.7	204.5	6,100	32.9	218.7	4,500	210
220																13.8	175.9	5,400				220

Liftcrane Luffing Jib Capacities

**Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
Without Front Bumper Counterweight
360 Degree Rating On Fully Extended Outriggers**

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5



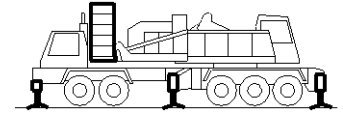
140 Ft. Boom, 170 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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	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	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
55	74.5	315.2	32,200 *																			55
60	72.7	313.7	31,600 *																			60
65	70.9	312.1	30,300 *																			65
70	69.1	310.2	29,000 *																			70
75	67.3	308.2	27,700 *																			75
80	65.5	306.1	26,400 *	70.0	310.1	29,500 *																80
85	63.6	303.7	25,200 *	68.2	308.2	28,300 *																85
90	61.7	301.1	24,000 *	66.4	306.1	27,100 *																90
95	59.8	298.3	22,800 *	64.5	303.8	25,900 *	67.2	305.9	27,400 *													95
100	57.8	295.3	21,600 *	62.6	301.3	24,700 *	65.4	303.7	26,300 *													100
105	55.8	292.0	20,500 *	60.7	298.6	23,500 *	63.5	301.3	25,100 *													105
110	53.8	288.5	19,500 *	58.8	295.7	22,400 *	61.6	298.7	24,000 *													110
115	51.6	284.7	18,400 *	56.8	292.5	21,200 *	59.7	295.9	22,900 *													115
120	49.5	280.6	17,500 *	54.7	289.1	20,100 *	57.7	292.9	21,800 *	62.4	297.1	22,900 *										120
125	47.2	276.1	16,500 *	52.7	285.5	19,100 *	55.7	289.6	20,700 *	60.5	294.4	21,600 *										125
130	44.9	271.3	15,600 *	50.5	281.5	18,100 *	53.6	286.1	19,600 *	58.6	291.4	20,300 *										130
135	42.4	266.0	14,800 *	48.3	277.2	17,100 *	51.5	282.3	18,600 *	56.6	288.3	19,200 *										135
140	39.9	260.3	14,000 *	46.0	272.6	16,200 *	49.3	278.1	17,600 *	54.5	284.8	18,100 *										140
145	37.1	254.0	13,200 *	43.6	267.5	15,300 *	47.1	273.7	16,700 *	52.4	281.1	17,200 *	57.3	285.6	14,700 *							145
150	34.3	247.1	12,500 *	41.1	262.0	14,500 *	44.7	268.8	15,800 *	50.3	277.1	16,300 *	55.3	282.3	13,900 *							150
155	31.1	239.3	11,800 *	38.5	256.0	13,700 *	42.3	263.5	14,900 *	48.0	272.8	15,400 *	53.2	278.7	13,200 *							155
160	27.7	230.4	10,900 *	35.7	249.4	12,900 *	39.7	257.8	14,100 *	45.7	268.1	14,700 *	51.1	274.8	12,500 *							160
165	23.8	220.1	10,100 *	32.7	242.0	12,200 *	37.0	251.5	13,300 *	43.3	263.0	13,900 *	48.9	270.6	11,800 *							165
170	19.2	207.4	9,300 *	29.4	233.7	11,400 *	34.1	244.5	12,600 *	40.8	257.5	13,200 *	46.6	266.1	11,200 *	51.7	271.1	9,200 *				170
180				21.5	212.7	9,700 *	27.5	227.7	10,900 *	35.4	244.7	12,000 *	41.7	255.8	10,100 *	47.3	262.6	8,200 *				180
190				8.5	175.5	8,300 *	19.0	204.4	9,300 *	29.0	228.9	10,900 *	36.4	243.4	9,100 *	42.5	252.5	7,300 *	47.7	257.7	5,600 *	190
200										21.1	207.4	9,700 *	30.3	228.2	8,200 *	37.2	240.5	6,500 *	43.0	247.8	4,900 *	200
210										7.2	167.7	8,300 *	22.7	208.2	7,300 *	31.2	225.8	5,800 *	37.8	236.0	4,200 *	210
220													11.1	175.2	6,600 *	23.9	206.7	5,100 *				220
230																13.4	177.1	4,500 *				230

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
 Boom No. 78T With Heavy Lift Top
 95,400 Lb. Crane Counterweight
 Without Front Bumper Counterweight
 360 Degree Rating On Fully Extended Outriggers

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5



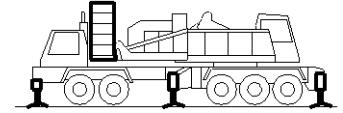
150 Ft. Boom, 70 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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	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	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	
35	68.9	226.7	90,100 *b																			35
40	64.5	224.5	88,000 *b																			40
45	59.8	221.9	82,800 *b																			45
50	55.0	218.7	78,000 *	67.4	224.9	79,100 *b																50
55	49.8	214.9	70,600 *	62.9	222.5	74,700 *b																55
60	44.2	210.2	62,500 *	58.2	219.7	68,100 *b	65.5	222.7	67,900 *b													60
65	38.0	204.5	55,800 *	53.2	216.3	62,100 *	60.9	220.2	62,000 *b													65
70	30.7	197.2	50,100 *	47.9	212.2	57,000 *	56.1	217.1	56,900 *													70
75	21.4	186.9	44,600 *	42.1	207.2	52,700 *	51.0	213.4	52,100													75
80				35.6	201.0	48,900 *	45.5	209.0	47,900	59.0	216.0	43,000 b										80
85				27.8	192.9	45,500 *	39.5	203.5	44,300	54.1	212.7	39,800										85
90				17.1	180.8	42,600 *	32.5	196.6	41,100	48.8	208.7	36,900										90
95							23.8	187.3	38,300	43.2	203.9	34,400	56.7	210.5	30,500							95
100							9.6	170.6	35,700	36.8	198.0	32,100	51.7	206.9	28,500							100
105										29.3	190.3	30,100	46.2	202.5	26,700							105
110										19.3	179.2	28,300	40.3	197.2	25,000							110
115													33.4	190.5	23,600	48.7	199.4	20,500				115
120													25.1	181.6	22,200	43.0	194.6	19,300				120
125													12.2	166.8	20,900	36.7	188.6	18,200				125
130																29.1	180.8	17,200	45.1	190.2	14,700	130
135																19.1	169.7	16,300	39.0	184.6	13,800	135
140																			31.9	177.6	13,100	140
145																			23.1	168.0	12,400	145
150																			7.5	149.7	11,700	150

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
Without Front Bumper Counterweight
360 Degree Rating On Fully Extended Outriggers

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5



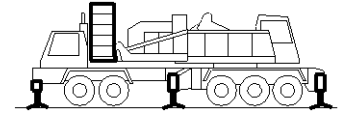
150 Ft. Boom, 80 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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	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	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
35	71.7	237.3	83,100 *b																			35
40	67.9	235.5	82,200 *b																			40
45	63.9	233.2	79,400 *b																			45
50	59.9	230.6	75,600 *	70.3	235.6	76,300 *b																50
55	55.6	227.4	70,700 *	66.5	233.6	72,400 *b																55
60	51.2	223.7	62,600 *	62.5	231.2	67,900 *																60
65	46.4	219.3	56,000 *	58.4	228.4	61,900 *	64.8	231.4	61,700 *b													65
70	41.2	214.1	50,400 *	54.1	225.0	56,700 *	60.8	228.8	56,500													70
75	35.5	207.8	45,700 *	49.5	221.1	52,300 *	56.6	225.8	51,700													75
80	28.7	199.8	41,600 *	44.7	216.5	48,500 *	52.2	222.2	47,500													80
85	20.0	188.8	37,500 *	39.3	210.9	45,200 *	47.5	218.0	43,900	59.1	224.7	39,300										85
90				33.2	204.1	42,200 *	42.5	213.0	40,700	54.8	221.4	36,400										90
95				26.0	195.3	39,600 *	36.8	207.0	38,000	50.3	217.6	33,900										95
100				16.0	182.3	36,800 *	30.4	199.4	35,500	45.5	213.1	31,700	57.1	219.2	27,900							100
105							22.3	189.3	33,200	40.2	207.7	29,700	52.8	215.6	26,100							105
110							8.9	171.4	31,200	34.3	201.2	27,900	48.1	211.5	24,500							110
115										27.3	192.8	26,200	43.1	206.6	23,100							115
120										18.0	180.8	24,700	37.6	200.7	21,800	50.2	208.3	18,800				120
125													31.2	193.4	20,500	45.4	203.8	17,700				125
130													23.4	183.8	19,400	40.1	198.4	16,700				130
135													11.4	167.8	18,300	34.2	191.8	15,800	47.1	199.2	13,300	135
140																27.2	183.3	15,000	42.0	194.1	12,600	140
145																17.8	171.3	14,100	36.4	188.0	11,900	145
150																			29.8	180.4	11,200	150
155																			21.6	170.0	10,600	155
160																			7.0	150.3	10,000	160

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
 Boom No. 78T With Heavy Lift Top
 95,400 Lb. Crane Counterweight
 Without Front Bumper Counterweight
 360 Degree Rating On Fully Extended Outriggers

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5



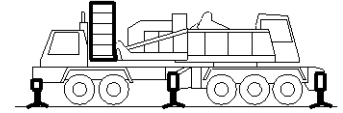
150 Ft. Boom, 90 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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	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	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
35	73.8	247.8	75,300 *b																			35
40	70.4	246.2	73,800 *b																			40
45	67.0	244.2	71,700 *																			45
50	63.5	241.9	69,100 *																			50
55	59.9	239.2	66,500 *	69.2	244.4	69,100 *b																55
60	56.1	236.1	62,700 *	65.8	242.3	65,900 *																60
65	52.2	232.5	56,100 *	62.2	239.9	61,500 *	67.8	242.3	61,300 *b													65
70	48.1	228.3	50,500 *	58.6	237.0	56,400 *	64.3	240.1	56,200 *													70
75	43.6	223.5	45,900 *	54.8	233.8	52,000 *	60.7	237.5	51,400													75
80	38.8	217.7	41,900 *	50.8	230.0	48,100 *	57.0	234.5	47,200													80
85	33.4	210.9	38,400 *	46.5	225.6	44,800 *	53.1	231.0	43,600	62.9	236.1	38,900										85
90	27.0	202.3	35,200 *	42.0	220.4	41,800 *	49.0	226.9	40,500	59.2	233.4	36,100										90
95	18.9	190.5	32,000 *	37.0	214.4	39,200 *	44.6	222.3	37,700	55.4	230.2	33,600										95
100				31.3	207.0	36,800 *	39.9	216.8	35,300	51.5	226.4	31,400										100
105				24.5	197.5	34,400 *	34.7	210.2	33,100	47.3	222.2	29,400	57.5	227.8	25,800							105
110				15.1	183.6	31,500 *	28.6	202.1	31,100	42.8	217.2	27,600	53.6	224.4	24,200							110
115							21.0	191.2	29,200	37.9	211.3	26,000	49.5	220.4	22,800							115
120							8.4	172.2	27,500	32.3	204.1	24,500	45.2	215.8	21,500							120
125										25.7	195.1	23,200	40.5	210.4	20,200	51.4	217.1	17,400				125
130										17.0	182.4	21,900	35.3	204.0	19,100	47.2	212.8	16,400				130
135													29.4	196.1	18,100	42.7	207.8	15,500				135
140													22.1	185.8	17,200	37.8	201.9	14,700				140
145													10.8	168.8	16,200	32.2	194.7	13,900	44.3	203.4	11,500	145
150																25.6	185.7	13,200	39.5	197.9	10,900	150
155																16.8	172.8	12,500	34.2	191.2	10,300	155
160																			28.1	182.9	9,800	160
165																			20.3	171.8	9,200	165
170																			6.6	150.9	8,700	170

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
Without Front Bumper Counterweight
360 Degree Rating On Fully Extended Outriggers

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5



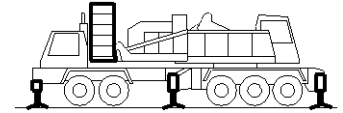
150 Ft. Boom, 100 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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	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	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
35	75.4	258.2	69,300 *b																			35
40	72.4	256.7	67,700 *b																			40
45	69.4	255.0	65,800 *																			45
50	66.3	253.0	63,900 *																			50
55	63.2	250.6	61,700 *																			55
60	59.9	247.9	59,400 *	68.3	253.2	63,500 *																60
65	56.5	244.8	55,900 *	65.2	251.0	60,700 *																65
70	53.0	241.3	50,400 *	62.0	248.6	55,800 *	67.0	251.1	55,600 *													70
75	49.3	237.2	45,800 *	58.7	245.7	51,400 *	63.9	248.8	50,900													75
80	45.4	232.6	41,800 *	55.3	242.5	47,600 *	60.6	246.2	46,800													80
85	41.3	227.3	38,300 *	51.7	238.8	44,300 *	57.3	243.2	43,200													85
90	36.7	221.2	35,300 *	48.0	234.6	41,300 *	53.8	239.7	40,100	62.6	244.8	35,600										90
95	31.6	213.8	32,600 *	44.0	229.7	38,700 *	50.2	235.8	37,300	59.3	242.0	33,100										95
100	25.6	204.6	30,100 *	39.7	224.2	36,300 *	46.3	231.4	34,900	55.9	238.8	30,900										100
105	17.9	192.1	27,500 *	35.0	217.6	34,200 *	42.2	226.2	32,700	52.4	235.2	29,000										105
110				29.6	209.7	31,900 *	37.8	220.3	30,700	48.7	231.1	27,200	57.7	236.5	23,700							110
115				23.2	199.6	29,500 *	32.8	213.2	28,900	44.7	226.4	25,600	54.3	233.1	22,300							115
120				14.3	184.9	27,200 *	27.1	204.5	27,300	40.5	221.0	24,100	50.6	229.3	21,000							120
125							19.9	193.0	25,800	35.8	214.6	22,800	46.8	224.9	19,800							125
130							8.0	172.9	24,300	30.6	207.0	21,500	42.8	219.9	18,700	52.3	225.9	15,900				130
135										24.4	197.4	20,400	38.4	214.0	17,700	48.6	221.8	15,000				135
140										16.1	183.8	19,300	33.5	207.1	16,700	44.6	217.0	14,200				140
145													27.9	198.7	15,900	40.4	211.6	13,400				145
150													20.9	187.7	15,000	35.7	205.2	12,700	46.0	212.6	10,400	150
155													10.2	169.7	14,200	30.5	197.5	12,000	41.9	207.4	9,800	155
160																24.3	187.9	11,400	37.4	201.4	9,300	160
165																15.9	174.2	10,800	32.4	194.2	8,700	165
170																			26.6	185.4	8,300	170
180																			6.2	151.4	7,300	180

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
 Boom No. 78T With Heavy Lift Top
 95,400 Lb. Crane Counterweight
 Without Front Bumper Counterweight
 360 Degree Rating On Fully Extended Outriggers

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5



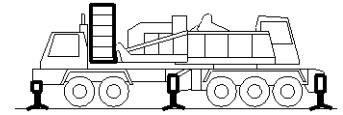
150 Ft. Boom, 110 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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	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	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
40	74.1	267.2	62,500 *b																			40
45	71.4	265.6	60,800 *																			45
50	68.6	263.8	59,100 *																			50
55	65.8	261.7	57,000 *																			55
60	62.9	259.3	55,100 *	70.4	263.9	60,300 *																60
65	59.9	256.5	53,200 *	67.6	261.9	58,600 *																65
70	56.8	253.5	50,600 *	64.8	259.7	55,700 *																70
75	53.7	250.0	45,900 *	61.8	257.2	51,300 *	66.4	259.8	50,800													75
80	50.4	246.1	42,000 *	58.8	254.4	47,500 *	63.5	257.5	46,700													80
85	46.9	241.7	38,500 *	55.7	251.2	44,100 *	60.6	254.8	43,100													85
90	43.2	236.7	35,500 *	52.5	247.5	41,200 *	57.5	251.8	40,000													90
95	39.3	231.0	32,800 *	49.2	243.5	38,500 *	54.4	248.5	37,300	62.3	253.5	33,000										95
100	35.0	224.4	30,400 *	45.6	238.9	36,200 *	51.1	244.7	34,800	59.4	250.7	30,800										100
105	30.1	216.5	28,300 *	41.9	233.7	34,100 *	47.7	240.4	32,600	56.3	247.5	28,900										105
110	24.4	206.8	26,300 *	37.8	227.7	32,100 *	44.1	235.5	30,700	53.1	244.0	27,100										110
115	17.1	193.6	24,100 *	33.3	220.7	29,800 *	40.2	230.0	28,900	49.8	240.0	25,500	57.9	245.2	22,200							115
120				28.2	212.3	27,700 *	36.0	223.6	27,200	46.3	235.5	24,000	54.8	241.8	20,900							120
125				22.1	201.6	25,800 *	31.3	216.1	25,800	42.5	230.4	22,700	51.5	238.1	19,700							125
130				13.6	186.1	23,900 *	25.8	206.9	24,400	38.5	224.5	21,500	48.1	233.9	18,600							130
135							19.0	194.8	23,100	34.1	217.7	20,400	44.5	229.1	17,600	53.0	234.7	14,900				135
140							7.6	173.6	21,900	29.2	209.6	19,300	40.7	223.7	16,700	49.7	230.7	14,100				140
145										23.3	199.5	18,300	36.5	217.4	15,800	46.2	226.2	13,300				145
150										15.4	185.2	17,400	31.9	210.0	15,000	42.5	221.0	12,600				150
155													26.5	201.1	14,200	38.4	215.2	11,900	47.4	221.6	9,700	155
160													19.9	189.5	13,500	34.0	208.3	11,300	43.8	216.7	9,200	160
165													9.8	170.6	12,800	29.1	200.2	10,700	39.9	211.1	8,700	165
170																23.1	190.0	10,200	35.6	204.6	8,200	170
180																			25.4	187.7	7,300	180
190																			5.9	152.0	6,500	190

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
Without Front Bumper Counterweight
360 Degree Rating On Fully Extended Outriggers

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5



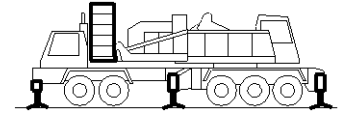
150 Ft. Boom, 120 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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	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	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
40	75.4	277.5	48,000 *																			40
45	73.0	276.1	47,200 *																			45
50	70.4	274.5	46,400 *																			50
55	67.9	272.5	45,600 *																			55
60	65.3	270.4	44,800 *																			60
65	62.6	267.9	44,200 *	69.6	272.7	46,400 *																65
70	59.9	265.2	43,500 *	67.0	270.7	45,900 *																70
75	57.1	262.1	42,300 *	64.4	268.4	45,300 *																75
80	54.2	258.7	40,700 *	61.7	265.9	44,800 *	65.9	268.5	45,300 *													80
85	51.2	254.9	38,700 *	58.9	263.0	43,900 *	63.2	266.2	42,700													85
90	48.1	250.7	35,600 *	56.1	259.9	41,000 *	60.5	263.5	39,600													90
95	44.8	245.9	32,900 *	53.2	256.3	38,300 *	57.8	260.5	36,900													95
100	41.3	240.6	30,500 *	50.1	252.4	35,900 *	54.9	257.2	34,400	62.1	262.1	30,400										100
105	37.5	234.5	28,400 *	47.0	247.9	33,800 *	51.9	253.5	32,200	59.4	259.3	28,400										105
110	33.4	227.5	26,400 *	43.6	243.0	31,800 *	48.8	249.3	30,300	56.6	256.2	26,600										110
115	28.8	219.2	24,600 *	40.0	237.4	29,900 *	45.6	244.7	28,500	53.7	252.7	25,100										115
120	23.4	209.0	23,000 *	36.1	231.0	27,800 *	42.1	239.5	26,900	50.7	248.9	23,600										120
125	16.3	195.1	21,100 *	31.9	223.6	25,900 *	38.4	233.6	25,400	47.5	244.5	22,300	55.2	250.5	19,200							125
130				27.0	214.7	24,200 *	34.4	226.8	24,100	44.2	239.7	21,100	52.3	246.9	18,100							130
135				21.2	203.5	22,500 *	29.9	218.8	22,800	40.6	234.2	19,900	49.2	242.8	17,100							135
140				13.0	187.3	21,000 *	24.7	209.1	21,600	36.8	228.0	18,900	46.0	238.2	16,200							140
145							18.2	196.4	20,600	32.6	220.7	17,900	42.5	233.1	15,400	50.6	239.5	12,800				145
150							7.3	174.3	19,500	27.9	212.2	17,100	38.9	227.3	14,600	47.4	235.2	12,100				150
155										22.2	201.5	16,200	34.9	220.6	13,800	44.1	230.3	11,500				155
160										14.7	186.5	15,400	30.5	212.8	13,100	40.6	224.8	10,900				160
165													25.4	203.4	12,500	36.7	218.6	10,300	45.3	225.9	8,200	165
170													19.1	191.2	11,800	32.5	211.3	9,700	41.8	220.6	7,700	170
180																22.1	192.0	8,700	34.1	207.8	6,800	180
190																			24.3	189.9	6,100	190
200																			5.7	152.5	5,300	200

Liftcrane Luffing Jib Capacities

**Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
Without Front Bumper Counterweight
360 Degree Rating On Fully Extended Outriggers**

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5



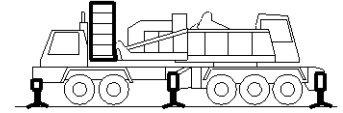
150 Ft. Boom, 130 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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	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	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	74.3	286.5	44,500 *																			45
50	72.0	285.0	43,700 *																			50
55	69.7	283.3	43,000 *																			55
60	67.3	281.3	42,400 *																			60
65	64.9	279.1	41,700 *																			65
70	62.4	276.6	40,600 *	68.8	281.5	43,000 *																70
75	59.9	273.9	39,100 *	66.5	279.4	42,600 *																75
80	57.3	270.8	37,600 *	64.0	277.1	41,900 *	67.8	279.4	42,300 *													80
85	54.7	267.4	36,200 *	61.6	274.6	40,400 *	65.4	277.2	42,000 *													85
90	51.9	263.7	34,900 *	59.0	271.7	39,000 *	63.0	274.8	39,300													90
95	49.1	259.6	32,800 *	56.4	268.5	37,600 *	60.5	272.1	36,600													95
100	46.1	255.0	30,400 *	53.7	265.0	35,600 *	57.9	269.2	34,100													100
105	42.9	249.9	28,300 *	50.9	261.2	33,400 *	55.3	265.9	31,900	62.0	270.8	28,100										105
110	39.6	244.2	26,300 *	48.0	256.9	31,500 *	52.6	262.2	30,000	59.5	268.0	26,300										110
115	36.0	237.8	24,600 *	45.0	252.2	29,700 *	49.7	258.2	28,200	56.9	264.9	24,700										115
120	32.1	230.4	23,000 *	41.8	246.9	27,700 *	46.8	253.7	26,600	54.2	261.5	23,300										120
125	27.6	221.7	21,500 *	38.4	240.9	25,800 *	43.7	248.8	25,100	51.4	257.7	22,000										125
130	22.4	211.0	20,100 *	34.7	234.2	24,100 *	40.4	243.2	23,800	48.5	253.5	20,800	55.6	259.2	17,800							130
135	15.7	196.5	18,500 *	30.6	226.4	22,500 *	36.8	237.0	22,500	45.5	248.8	19,700	52.9	255.6	16,800							135
140				25.9	217.1	21,100 *	33.0	229.8	21,400	42.4	243.6	18,600	50.1	251.7	15,900							140
145				20.3	205.4	19,700 *	28.7	221.4	20,300	39.0	237.8	17,700	47.1	247.3	15,000							145
150				12.5	188.4	18,400 *	23.7	211.3	19,300	35.3	231.2	16,800	44.1	242.4	14,200	51.4	248.3	11,800				150
155							17.4	198.0	18,400	31.3	223.6	16,000	40.8	236.9	13,500	48.5	244.1	11,100				155
160							7.0	174.9	17,500 *	26.8	214.6	15,200	37.3	230.7	12,800	45.5	239.5	10,500				160
165										21.4	203.4	14,400	33.5	223.7	12,200	42.3	234.3	10,000				165
170										14.1	187.8	13,700	29.3	215.5	11,600	38.9	228.4	9,400	46.5	234.9	7,300	170
180													18.3	192.8	10,400	31.2	214.2	8,500	40.1	224.3	6,500	180
190																21.3	193.9	7,600	32.7	210.8	5,800	190
200																			23.3	192.0	5,100	200
210																			5.5	153.0	4,400	210

Liftcrane Luffing Jib Capacities

**Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
Without Front Bumper Counterweight
360 Degree Rating On Fully Extended Outriggers**

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5



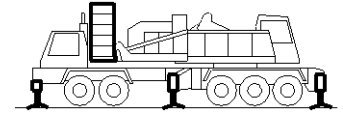
150 Ft. Boom, 140 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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	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	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	75.5	296.9	41,700 *																			45
50	73.3	295.5	41,000 *																			50
55	71.2	293.9	40,400 *																			55
60	69.0	292.1	39,800 *																			60
65	66.8	290.0	38,700 *																			65
70	64.6	287.8	37,300 *	70.4	292.1	40,100 *																70
75	62.3	285.3	35,800 *	68.2	290.3	39,700 *																75
80	59.9	282.5	34,400 *	66.0	288.1	38,400 *																80
85	57.5	279.5	33,000 *	63.8	285.8	37,000 *	67.3	288.2	38,700 *													85
90	55.1	276.2	31,700 *	61.4	283.2	35,600 *	65.1	286.0	37,500 *													90
95	52.5	272.5	30,400 *	59.1	280.4	34,200 *	62.8	283.5	36,200 *													95
100	49.9	268.5	29,200 *	56.7	277.2	32,900 *	60.5	280.8	33,700 *													100
105	47.2	264.1	28,000 *	54.2	273.8	31,600 *	58.1	277.8	31,600 *													105
110	44.3	259.2	26,100 *	51.6	270.0	30,300 *	55.6	274.6	29,600 *	61.8	279.5	25,900 *										110
115	41.3	253.8	24,400 *	49.0	265.8	29,100 *	53.1	271.0	27,800 *	59.5	276.7	24,300 *										115
120	38.1	247.8	22,800 *	46.2	261.3	27,500 *	50.5	267.1	26,200 *	57.1	273.6	22,900 *										120
125	34.7	241.0	21,300 *	43.3	256.2	25,600 *	47.8	262.7	24,800 *	54.6	270.2	21,500 *										125
130	30.9	233.2	20,000 *	40.2	250.6	23,900 *	45.0	258.0	23,400 *	52.1	266.5	20,300 *										130
135	26.6	224.1	18,700 *	36.9	244.4	22,400 *	42.0	252.7	22,200 *	49.4	262.4	19,200 *	55.9	267.9	16,300 *							135
140	21.6	212.9	17,500 *	33.4	237.3	20,900 *	38.9	246.8	21,000 *	46.7	257.9	18,200 *	53.4	264.4	15,400 *							140
145	15.1	197.9	16,100 *	29.4	229.1	19,600 *	35.5	240.2	20,000 *	43.8	252.9	17,300 *	50.8	260.5	14,600 *							145
150				25.0	219.3	18,400 *	31.8	232.7	19,000 *	40.7	247.4	16,400 *	48.1	256.2	13,800 *							150
155				19.6	207.1	17,200 *	27.6	223.9	18,100 *	37.5	241.3	15,600 *	45.3	251.5	13,100 *	52.0	257.1	10,600 *				155
160				12.1	189.5	16,100 *	22.8	213.3	17,200 *	34.0	234.3	14,800 *	42.4	246.3	12,400 *	49.4	253.0	10,000 *				160
165							16.8	199.5	16,400 *	30.1	226.3	14,100 *	39.3	240.5	11,700 *	46.6	248.5	9,500 *				165
170							6.8	175.5	15,300 *	25.8	216.9	13,400 *	35.9	234.0	11,100 *	43.7	243.6	9,000 *				170
180										13.6	189.0	12,100 *	28.2	218.1	10,000 *	37.4	231.9	8,000 *	44.8	239.2	6,000 *	180
190													17.6	194.4	9,000 *	30.1	216.9	7,100 *	38.6	227.9	5,300 *	190
200																20.5	195.7	6,400 *	31.5	213.7	4,600 *	200
210																			22.4	194.0	4,000 *	210

Liftcrane Luffing Jib Capacities

**Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
Without Front Bumper Counterweight
360 Degree Rating On Fully Extended Outriggers**

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5



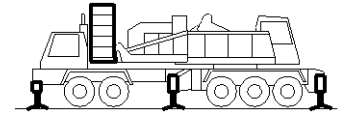
150 Ft. Boom, 150 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 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	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	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	74.5	305.9	38,400 *																			50
55	72.5	304.4	37,800 *																			55
60	70.5	302.7	37,200 *																			60
65	68.4	300.9	35,700 *																			65
70	66.4	298.8	34,400 *																			70
75	64.3	296.5	33,000 *	69.8	301.0	36,600 *																75
80	62.1	294.0	31,600 *	67.7	299.0	35,300 *																80
85	59.9	291.2	30,300 *	65.6	296.9	34,000 *																85
90	57.7	288.2	29,000 *	63.5	294.5	32,700 *	66.8	296.9	34,400 *													90
95	55.4	284.9	27,800 *	61.4	291.9	31,400 *	64.7	294.7	33,200 *													95
100	53.1	281.3	26,600 *	59.2	289.0	30,100 *	62.6	292.2	32,000 *													100
105	50.6	277.3	25,400 *	56.9	285.9	28,900 *	60.4	289.5	30,800 *													105
110	48.1	273.0	24,300 *	54.6	282.5	27,600 *	58.2	286.5	29,500													110
115	45.5	268.3	23,300 *	52.2	278.8	26,500 *	55.9	283.3	27,700	61.7	288.1	24,200										115
120	42.7	263.2	22,300 *	49.8	274.7	25,300 *	53.6	279.7	26,100	59.5	285.3	22,700										120
125	39.8	257.5	21,300 *	47.2	270.3	24,200 *	51.2	275.9	24,600	57.3	282.2	21,400										125
130	36.8	251.2	20,000 *	44.5	265.5	23,200 *	48.7	271.7	23,300	55.0	278.9	20,200										130
135	33.4	244.0	18,800 *	41.7	260.1	22,200 *	46.1	267.1	22,100	52.6	275.2	19,100										135
140	29.8	235.9	17,600 *	38.8	254.2	20,900 *	43.4	262.0	20,900	50.2	271.2	18,100	56.2	276.6	15,300							140
145	25.7	226.4	16,500 *	35.6	247.6	19,700 *	40.5	256.5	19,900	47.6	266.9	17,100	53.9	273.1	14,400							145
150	20.9	214.8	15,500 *	32.2	240.2	18,500 *	37.5	250.3	18,900	45.0	262.1	16,300	51.5	269.3	13,700							150
155	14.6	199.2	14,300 *	28.4	231.6	17,300 *	34.2	243.4	18,000	42.2	256.9	15,400	49.0	265.2	12,900							155
160				24.1	221.5	16,300 *	30.7	235.5	17,100	39.3	251.1	14,700	46.4	260.6	12,300	52.6	265.9	9,900				160
165				18.9	208.8	15,300 *	26.7	226.4	16,300	36.2	244.6	14,000	43.7	255.6	11,600	50.1	261.9	9,400				165
170				11.6	190.5	14,300 *	22.1	215.3	15,600	32.8	237.3	13,300	40.9	250.1	11,000	47.6	257.5	8,800				170
180							6.5	176.1	13,600 *	24.9	219.2	12,000	34.6	237.2	9,900	42.2	247.5	7,900				180
190										13.2	190.2	10,900	27.2	220.5	9,000	36.1	235.2	7,000	43.2	243.2	5,200	190
200													17.0	195.9	8,100	29.0	219.6	6,300	37.2	231.4	4,500	200
210																19.8	197.5	5,600				210

Liftcrane Luffing Jib Capacities

**Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
Without Front Bumper Counterweight
360 Degree Rating On Fully Extended Outriggers**

Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5



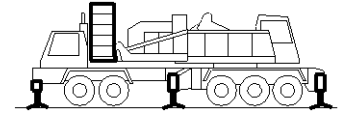
150 Ft. Boom, 160 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 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	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	75.5	316.2	35,800 *																50
55	73.6	314.9	35,200 *																55
60	71.7	313.3	34,100 *																60
65	69.8	311.6	32,700 *																65
70	67.9	309.6	31,400 *																70
75	66.0	307.5	30,000 *																75
80	64.0	305.2	28,700 *	69.2	309.8	32,100 *													80
85	62.0	302.6	27,500 *	67.2	307.8	30,900 *													85
90	59.9	299.8	26,200 *	65.3	305.6	29,700 *													90
95	57.8	296.8	25,000 *	63.3	303.2	28,400 *	66.4	305.6	30,100 *										95
100	55.7	293.5	23,800 *	61.3	300.5	27,200 *	64.4	303.4	28,900 *										100
105	53.5	290.0	22,700 *	59.2	297.7	26,000 *	62.4	300.9	27,800 *										105
110	51.2	286.1	21,600 *	57.1	294.6	24,800 *	60.4	298.1	26,600 *										110
115	48.9	282.0	20,500 *	54.9	291.2	23,600 *	58.3	295.2	25,400 *										115
120	46.5	277.4	19,500 *	52.7	287.6	22,500 *	56.2	292.0	24,300 *	61.6	296.8	22,300							120
125	44.0	272.4	18,600 *	50.4	283.6	21,400 *	54.0	288.5	23,200 *	59.6	294.0	21,000							125
130	41.3	267.0	17,700 *	48.1	279.3	20,400 *	51.8	284.7	22,100 *	57.5	290.9	19,800							130
135	38.5	261.0	16,800 *	45.6	274.6	19,400 *	49.4	280.6	21,000 *	55.3	287.6	18,700							135
140	35.6	254.4	16,000 *	43.1	269.5	18,400 *	47.0	276.1	20,000 *	53.1	284.0	17,700							140
145	32.4	247.0	15,200 *	40.4	263.9	17,500 *	44.5	271.2	19,000 *	50.8	280.1	16,700	56.5	285.3	14,000				145
150	28.8	238.5	14,500 *	37.5	257.7	16,700 *	41.9	265.9	18,100 *	48.5	275.8	15,900	54.3	281.9	13,200				150
155	24.9	228.7	13,800 *	34.5	250.8	15,900 *	39.2	260.1	17,200 *	46.0	271.2	15,000	52.0	278.1	12,500				155
160	20.2	216.6	13,200 *	31.2	243.0	15,100 *	36.3	253.6	16,400 *	43.5	266.2	14,300	49.7	274.0	11,800				160
165	14.1	200.4	12,400 *	27.5	234.1	14,400 *	33.1	246.4	15,600 *	40.8	260.7	13,600	47.3	269.6	11,200				165
170				23.3	223.6	13,700 *	29.7	238.2	14,800 *	38.0	254.6	12,900	44.9	264.8	10,600	50.8	270.8	8,400	170
180				11.3	191.5	12,400 *	21.3	217.2	13,500 *	31.7	240.2	11,700	39.5	253.8	9,500	46.0	261.9	7,400	180
190							6.3	176.6	11,900 *	24.1	221.3	10,600	33.5	240.3	8,600	40.8	251.3	6,600	190
200										12.7	191.3	9,600	26.3	222.9	7,700	34.9	238.4	5,800	200
210													16.5	197.4	6,900	28.1	222.1	5,100	210
220																19.1	199.2	4,500	220

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
 Boom No. 78T With Heavy Lift Top
 95,400 Lb. Crane Counterweight
 Without Front Bumper Counterweight
 360 Degree Rating On Fully Extended Outriggers

Designed And Tested
 With The Intent To Be In
 The Scope of ANSI B30.5



150 Ft. Boom, 170 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 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	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	74.6	325.3	31,600 *																55
60	72.8	323.8	31,300 *																60
65	71.1	322.2	30,100 *																65
70	69.3	320.4	28,800 *																70
75	67.5	318.4	27,600 *																75
80	65.6	316.2	26,300 *	70.4	320.4	29,400 *													80
85	63.8	313.9	25,100 *	68.6	318.6	28,300 *													85
90	61.9	311.3	23,900 *	66.8	316.5	27,100 *													90
95	59.9	308.5	22,700 *	65.0	314.3	26,000 *													95
100	58.0	305.5	21,600 *	63.1	311.8	24,800 *	66.0	314.4	26,400 *										100
105	56.0	302.2	20,500 *	61.2	309.2	23,600 *	64.2	312.0	25,300 *										105
110	53.9	298.7	19,500 *	59.3	306.3	22,500 *	62.3	309.5	24,200 *										110
115	51.8	294.9	18,500 *	57.3	303.3	21,400 *	60.4	306.8	23,100 *										115
120	49.6	290.8	17,500 *	55.2	299.9	20,300 *	58.4	303.8	22,000 *										120
125	47.4	286.4	16,600 *	53.2	296.3	19,300 *	56.4	300.6	21,000 *	61.5	305.5	20,700							125
130	45.0	281.6	15,700 *	51.0	292.4	18,300 *	54.4	297.2	19,900 *	59.6	302.6	19,500							130
135	42.6	276.4	14,800 *	48.8	288.2	17,300 *	52.3	293.5	18,900 *	57.6	299.6	18,400							135
140	40.0	270.7	14,000 *	46.6	283.7	16,400 *	50.1	289.4	17,900 *	55.6	296.3	17,400							140
145	37.3	264.5	13,300 *	44.2	278.7	15,500 *	47.9	285.1	17,000 *	53.5	292.7	16,400							145
150	34.5	257.6	12,500 *	41.7	273.3	14,700 *	45.6	280.4	16,100 *	51.4	288.9	15,500	56.7	294.0	12,900				150
155	31.4	249.8	11,800 *	39.1	267.5	13,900 *	43.1	275.3	15,200 *	49.2	284.7	14,700	54.6	290.6	12,200				155
160	28.0	241.1	11,000 *	36.4	261.0	13,100 *	40.6	269.7	14,400 *	46.9	280.3	14,000	52.5	286.9	11,500				160
165	24.1	230.8	10,100 *	33.4	253.8	12,400 *	38.0	263.6	13,600 *	44.6	275.4	13,300	50.4	282.9	10,900				165
170	19.6	218.4	9,400 *	30.2	245.8	11,600 *	35.1	256.8	12,800 *	42.1	270.1	12,600	48.2	278.6	10,300				170
180				22.6	225.7	9,900 *	28.8	240.8	11,200 *	36.8	258.0	11,400	43.5	268.9	9,200	49.2	275.4	7,100	180
190				10.9	192.5	8,500 *	20.7	219.1	9,600 *	30.8	243.0	10,300	38.3	257.3	8,300	44.5	266.0	6,300	190
200							6.1	177.2	8,200 *	23.4	223.4	9,300	32.5	243.2	7,400	39.5	254.9	5,500	200
210										12.4	192.4	8,400	25.5	225.2	6,600	33.9	241.5	4,800	210
220													16.0	198.8	5,900	27.2	224.6	4,200	220