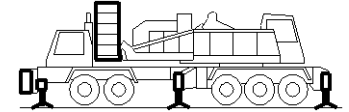


Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
25,000 Lb. Front Bumper Counterweight
360 Degree Rating On Fully Extended Outriggers

Designed And Tested
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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.

Lower boom point assembly, auxiliary drum, wire rope guides in 17.5 Ft. insert and one sheave in jib strut must be removed on 170 Ft. and 180 Ft. boom lengths.

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.

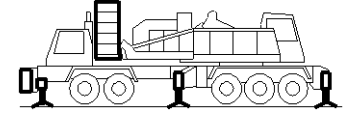
MACHINE EQUIPMENT: Machine equipped with Manitowoc 10 x 6 carrier, 277 in. wheel base, 117 in. front axle track, 100 in. rear axle track, 14.00 x 24 tires, 96 in. front outriggers, 70 in. rear outriggers, two 12 in. boom hoist cylinders, 26 Ft. mast, two boom support straps, 7 part luffing jib hoist reeving, two 1-1/2 in. luffing jib pendants, two 1-3/8 in. luffing jib backstays, 95,400 Lb. crane counterweight and 25,000 Lb. front bumper counterweight.

Consult chart **No. 8101-A** 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
25,000 Lb. Front Bumper Counterweight
360 Degree Rating On Fully Extended Outriggers

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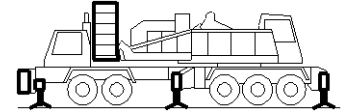
60 Ft. Boom, 70 Ft. Jib

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																			35
40	61.6	133.0	94,700 *b																			40
45	56.8	130.0	83,900 *																			45
50	51.8	126.4	73,000 *																			50
55	46.4	122.1	64,400 *																			55
60	40.4	116.8	57,300 *																			60
65	33.6	110.2	51,500 *																			65
70	25.3	101.3	46,400 *																			70
75	12.6	86.8	38,000 *																			75
80				14.1	88.0	41,200 *																80
85							22.5	97.2	45,500 *													85
90							5.7	77.3	37,600 *													90
95																						95
100																						100
105																						105

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
 Boom No. 78T With Heavy Lift Top
 95,400 Lb. Crane Counterweight
 25,000 Lb. Front Bumper Counterweight
 360 Degree Rating On Fully Extended Outriggers

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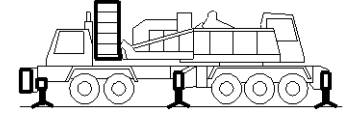
60 Ft. Boom, 80 Ft. Jib

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	84,000 *	65.7	143.8	89,300 *																45
50	57.2	138.7	73,100 *	61.7	141.4	85,300 *	64.3	142.5	87,900 *													50
55	52.9	135.2	64,400 *	57.6	138.4	74,100 *	60.3	139.9	81,200 *													55
60	48.2	131.1	57,500 *	53.2	135.0	65,300 *	56.1	136.8	70,900 *	60.5	138.8	76,200 *										60
65	43.2	126.2	51,700 *	48.6	130.9	58,200 *	51.6	133.1	62,800 *	56.3	135.7	69,900 *										65
70	37.7	120.3	46,800 *	43.7	126.1	52,300 *	46.9	128.8	56,100 *	51.9	132.1	63,400 *	56.5	134.1	61,600							70
75	31.4	113.1	42,600 *	38.2	120.4	47,300 *	41.8	123.7	50,600 *	47.2	127.8	56,700 *	52.1	130.5	56,400							75
80	23.6	103.5	38,800 *	32.0	113.2	43,100 *	36.1	117.5	45,900 *	42.1	122.7	51,100 *	47.4	126.2	51,900	52.1	128.3	50,100				80
85	11.8	87.8	32,300 *	24.4	103.9	39,300 *	29.5	109.7	41,800 *	36.4	116.6	46,300 *	42.3	121.2	48,000	47.4	124.1	46,300				85
90				13.2	89.2	34,900 *	21.1	99.1	38,200 *	29.9	109.0	42,200 *	36.6	115.1	44,500	42.3	119.0	43,000	47.1	121.3	41,600	90
95							5.3	77.8	32,200 *	21.6	98.6	38,500 *	30.1	107.5	41,500	36.6	113.0	40,100	42.0	116.2	38,800	95
100										7.3	79.2	34,700 *	22.0	97.3	38,800 *	30.1	105.4	37,500	36.4	110.1	36,200	100
105													8.1	78.7	35,300 *	22.0	95.1	35,200	29.8	102.4	34,000	105
110																8.1	76.5	33,000	21.6	92.0	31,900	110
115																			7.0	72.3	30,000	115

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
25,000 Lb. 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



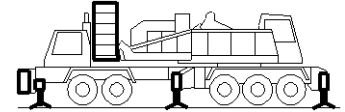
60 Ft. Boom, 90 Ft. Jib

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	71,200 *	65.1	152.6	75,300 *	67.4	153.4	77,500 *													50
55	57.5	147.4	65,000 *	61.5	150.0	71,900 *	63.9	151.2	74,000 *													55
60	53.7	143.9	57,900 *	57.9	147.1	65,900 *	60.3	148.5	70,800 *													60
65	49.6	140.0	52,100 *	54.0	143.7	58,700 *	56.5	145.4	63,300 *	60.5	147.4	69,600 *										65
70	45.3	135.4	47,100 *	50.0	139.8	52,700 *	52.6	141.9	56,500 *	56.7	144.4	63,500 *										70
75	40.6	130.0	42,900 *	45.7	135.3	47,700 *	48.5	137.8	50,900 *	52.8	140.8	57,100 *	56.9	142.8	56,100 *							75
80	35.5	123.6	39,300 *	41.0	130.0	43,400 *	44.1	133.0	46,200 *	48.7	136.8	51,400 *	53.0	139.2	51,600 *							80
85	29.5	115.8	36,100 *	35.9	123.7	39,800 *	39.3	127.4	42,200 *	44.3	132.0	46,600 *	48.9	135.2	47,700 *	53.0	137.1	46,100 *				85
90	22.2	105.5	33,200 *	30.1	116.0	36,500 *	34.0	120.6	38,600 *	39.6	126.5	42,600 *	44.5	130.5	44,300 *	48.9	133.0	42,800 *				90
95	11.1	88.8	27,900 *	22.9	106.0	33,600 *	27.7	112.3	35,500 *	34.3	119.8	39,000 *	39.8	124.9	41,300 *	44.5	128.3	39,900 *				95
100				12.5	90.3	30,000 *	19.8	100.9	32,700 *	28.1	111.6	35,800 *	34.5	118.3	38,600 *	39.7	122.8	37,300 *	44.3	125.5	36,000 *	100
105							5.0	78.2	27,900 *	20.4	100.5	33,000 *	28.4	110.1	36,100 *	34.5	116.2	35,000 *	39.5	119.9	33,800 *	105
110										6.8	79.8	30,000 *	20.7	99.2	33,200 *	28.4	108.0	32,900 *	34.2	113.3	31,700 *	110
115													7.7	79.4	30,400 *	20.7	97.0	31,000 *	28.1	105.0	29,900 *	115
120																7.7	77.2	29,200 *	20.3	93.9	28,200 *	120
125																			6.6	72.9	26,600 *	125

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
 Boom No. 78T With Heavy Lift Top
 95,400 Lb. Crane Counterweight
 25,000 Lb. Front Bumper Counterweight
 360 Degree Rating On Fully Extended Outriggers

Designed And Tested
 With The Intent To Be In
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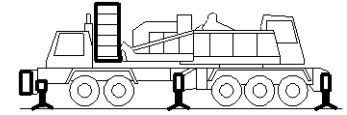
60 Ft. Boom, 100 Ft. Jib

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	63,100 *	64.6	161.3	66,800 *	66.6	162.2	68,800 *													55
60	57.8	156.0	57,800 *	61.4	158.7	63,700 *	63.5	159.8	65,700 *													60
65	54.3	152.7	51,900 *	58.1	155.8	58,500 *	60.2	157.2	62,700 *													65
70	50.7	148.8	47,000 *	54.6	152.5	52,600 *	56.9	154.1	56,400 *	60.4	156.1	62,700 *										70
75	46.9	144.5	42,900 *	51.0	148.7	47,600 *	53.4	150.6	50,800 *	57.1	153.0	57,000 *										75
80	42.9	139.4	39,300 *	47.2	144.3	43,400 *	49.7	146.7	46,100 *	53.6	149.6	51,300 *	57.2	151.4	51,200							80
85	38.5	133.6	36,100 *	43.2	139.4	39,700 *	45.8	142.1	42,100 *	49.9	145.6	46,500 *	53.7	148.0	47,300							85
90	33.6	126.8	33,300 *	38.8	133.6	36,500 *	41.7	136.9	38,600 *	46.1	141.1	42,500 *	50.1	144.1	43,900							90
95	28.0	118.4	30,800 *	34.0	126.9	33,700 *	37.2	130.8	35,500 *	42.0	136.0	38,900 *	46.2	139.6	40,900	50.1	141.9	39,500				95
100	21.1	107.4	28,500 *	28.5	118.6	31,100 *	32.2	123.6	32,800 *	37.5	130.0	35,800 *	42.1	134.4	38,300	46.2	137.4	36,900				100
105	10.6	89.8	24,100 *	21.8	108.0	28,800 *	26.3	114.7	30,400 *	32.5	122.8	33,100 *	37.6	128.4	35,900	42.1	132.3	34,600	46.0	134.6	33,300	105
110				11.8	91.4	25,900 *	18.8	102.6	28,100 *	26.7	114.0	30,600 *	32.7	121.3	33,300 *	37.6	126.3	32,500	41.9	129.4	31,300	110
115							4.8	78.7	24,200 *	19.3	102.2	28,300 *	26.9	112.6	30,800 *	32.7	119.2	30,700	37.4	123.4	29,500	115
120										6.5	80.4	26,100 *	19.6	101.0	28,500 *	26.9	110.4	28,900	32.4	116.2	27,900	120
125													7.3	80.1	26,300 *	19.6	98.8	27,400	26.6	107.4	26,300	125
130																7.3	77.9	25,900	19.3	95.6	24,900	130
135																			6.2	73.5	23,600	135

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
25,000 Lb. Front Bumper Counterweight
360 Degree Rating On Fully Extended Outriggers

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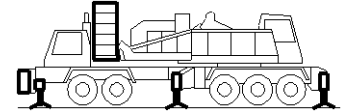
60 Ft. Boom, 110 Ft. Jib

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	56,500 *	64.2	169.9	59,700 *	66.0	170.9	61,500 *													60
65	58.0	164.7	52,000 *	61.3	167.4	57,000 *	63.2	168.5	58,700 *													65
70	54.9	161.4	47,200 *	58.3	164.5	52,700 *	60.2	165.8	56,000 *													70
75	51.6	157.7	43,000 *	55.1	161.2	47,700 *	57.2	162.8	50,900 *	60.4	164.7	56,000 *										75
80	48.2	153.4	39,400 *	51.9	157.5	43,500 *	54.0	159.4	46,200 *	57.3	161.7	51,400 *										80
85	44.6	148.7	36,300 *	48.5	153.3	39,800 *	50.7	155.5	42,200 *	54.2	158.3	46,600 *	57.4	160.1	47,300							85
90	40.8	143.3	33,500 *	44.9	148.6	36,700 *	47.3	151.2	38,700 *	50.9	154.5	42,600 *	54.3	156.7	43,900							90
95	36.6	137.0	31,000 *	41.1	143.2	33,900 *	43.6	146.2	35,700 *	47.5	150.2	39,100 *	51.0	152.9	40,900							95
100	32.0	129.7	28,800 *	37.0	137.1	31,400 *	39.7	140.6	33,000 *	43.8	145.3	36,000 *	47.6	148.6	38,200	51.0	150.7	36,800				100
105	26.7	120.8	26,800 *	32.4	129.8	29,100 *	35.4	134.1	30,600 *	39.9	139.7	33,300 *	44.0	143.7	35,900	47.6	146.4	34,600				105
110	20.1	109.2	24,900 *	27.1	121.1	27,100 *	30.6	126.4	28,500 *	35.7	133.3	30,900 *	40.1	138.2	33,500 *	43.9	141.6	32,500	47.4	143.6	31,300	110
115	10.1	90.7	21,200 *	20.7	109.8	25,200 *	25.0	116.9	26,500 *	30.9	125.6	28,700 *	35.8	131.8	31,100 *	40.1	136.0	30,600	43.8	138.7	29,500	115
120				11.3	92.4	22,800 *	17.9	104.2	24,600 *	25.4	116.3	26,700 *	31.1	124.2	28,900 *	35.8	129.6	28,900	39.9	133.2	27,800	120
125							4.5	79.1	21,400 *	18.4	103.9	24,900 *	25.6	114.9	26,900 *	31.1	122.0	27,400	35.6	126.7	26,300	125
130										6.2	81.0	23,000 *	18.7	102.7	25,000 *	25.6	112.8	25,900	30.9	119.1	24,900	130
135													6.9	80.7	23,200 *	18.7	100.5	24,600	25.4	109.7	23,700	135
140																6.9	78.5	23,300 *	18.3	97.3	22,500	140
145																			5.9	74.0	21,300	145

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
 Boom No. 78T With Heavy Lift Top
 95,400 Lb. Crane Counterweight
 25,000 Lb. Front Bumper Counterweight
 360 Degree Rating On Fully Extended Outriggers

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



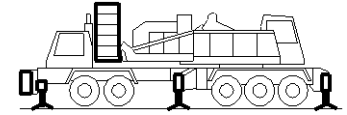
60 Ft. Boom, 120 Ft. Jib

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	50,000 *	63.9	178.6	52,800 *	65.6	179.6	54,300 *													65
70	58.2	173.4	47,000 *	61.2	176.0	50,500 *	62.9	177.2	51,900 *													70
75	55.3	170.1	42,800 *	58.4	173.1	47,500 *	60.2	174.5	49,700 *													75
80	52.3	166.4	39,200 *	55.6	169.9	43,300 *	57.4	171.5	46,000 *	60.4	173.4	49,600 *										80
85	49.3	162.4	36,100 *	52.6	166.2	39,600 *	54.5	168.1	42,000 *	57.6	170.4	46,400 *										85
90	46.0	157.8	33,300 *	49.5	162.2	36,500 *	51.5	164.3	38,600 *	54.7	167.0	42,400 *	57.7	168.8	43,500							90
95	42.6	152.7	30,900 *	46.3	157.7	33,700 *	48.4	160.1	35,500 *	51.7	163.3	38,900 *	54.8	165.4	40,500							95
100	39.0	146.9	28,700 *	42.9	152.6	31,200 *	45.1	155.4	32,800 *	48.6	159.1	35,800 *	51.8	161.7	37,900							100
105	35.0	140.3	26,700 *	39.3	146.9	29,000 *	41.7	150.1	30,500 *	45.3	154.5	33,100 *	48.7	157.5	35,500	51.8	159.5	34,200				105
110	30.6	132.5	24,900 *	35.3	140.3	27,000 *	37.9	144.1	28,300 *	41.9	149.2	30,700 *	45.4	152.9	33,300 *	48.7	155.4	32,100				110
115	25.5	123.1	23,300 *	31.0	132.7	25,200 *	33.9	137.2	26,400 *	38.2	143.2	28,600 *	42.0	147.7	30,900 *	45.4	150.7	30,200				115
120	19.2	111.0	21,700 *	26.0	123.5	23,500 *	29.3	129.1	24,600 *	34.1	136.4	26,600 *	38.3	141.7	28,700 *	42.0	145.5	28,500	45.3	147.9	27,400	120
125	9.7	91.5	18,500 *	19.8	111.6	21,900 *	24.0	119.1	23,000 *	29.6	128.3	24,800 *	34.2	134.9	26,800 *	38.3	139.6	27,000	41.8	142.7	25,900	125
130				10.8	93.4	19,900 *	17.2	105.8	21,500 *	24.3	118.5	23,200 *	29.7	126.9	25,000 *	34.2	132.7	25,600	38.1	136.7	24,600	130
135							4.3	79.5	18,700 *	17.6	105.5	21,600 *	24.5	117.2	23,300 *	29.7	124.7	24,300	34.1	129.8	23,300	135
140										5.9	81.5	20,100 *	17.9	104.3	21,800 *	24.5	115.0	23,000	29.5	121.8	22,100	140
145													6.6	81.3	20,200 *	17.9	102.1	21,900 *	24.3	111.9	21,000	145
150																6.6	79.1	20,300 *			20,000	150
155																			5.7	74.5	19,000	155

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
25,000 Lb. 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



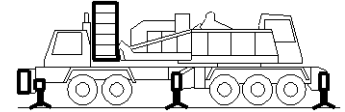
60 Ft. Boom, 130 Ft. Jib

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	37,500 *	58.5	181.8	39,500 *	60.2	183.2	40,600 *	62.8	184.8	42,300 *										80
85	53.0	175.2	35,900 *	55.9	178.6	37,800 *	57.6	180.1	38,900 *	60.3	182.1	40,500 *										85
90	50.1	171.2	33,500 *	53.2	175.0	36,200 *	55.0	176.8	37,200 *	57.8	179.1	38,800 *										90
95	47.2	166.8	31,000 *	50.4	171.1	33,800 *	52.2	173.1	35,700 *	55.1	175.7	37,200 *	57.8	177.4	38,500 *							95
100	44.1	162.0	28,800 *	47.5	166.7	31,300 *	49.4	169.0	33,000 *	52.4	172.1	35,700 *	55.2	174.1	37,000 *							100
105	40.9	156.5	26,800 *	44.4	161.9	29,100 *	46.4	164.5	30,600 *	49.5	168.0	33,200 *	52.5	170.5	35,200 *							105
110	37.4	150.3	25,000 *	41.2	156.5	27,100 *	43.3	159.5	28,400 *	46.6	163.5	30,800 *	49.6	166.4	33,100 *	52.5	168.3	31,800 *				110
115	33.6	143.3	23,300 *	37.7	150.4	25,200 *	40.0	153.9	26,500 *	43.5	158.5	28,600 *	46.7	162.0	31,000 *	49.6	164.3	30,000 *				115
120	29.4	135.2	21,800 *	33.9	143.4	23,600 *	36.4	147.5	24,700 *	40.2	152.9	26,700 *	43.6	157.0	28,800 *	46.7	159.8	28,300 *				120
125	24.5	125.3	20,400 *	29.7	135.4	22,100 *	32.5	140.2	23,100 *	36.6	146.6	24,900 *	40.3	151.4	26,800 *	43.6	154.8	26,700 *	46.5	157.0	25,700 *	125
130	18.5	112.6	19,100 *	24.9	125.7	20,600 *	28.1	131.6	21,600 *	32.7	139.4	23,300 *	36.7	145.1	25,000 *	40.3	149.2	25,300 *	43.4	152.0	24,300 *	130
135	9.3	92.4	16,300 *	19.1	113.3	19,300 *	23.0	121.2	20,200 *	28.4	130.9	21,800 *	32.9	137.9	23,400 *	36.7	143.0	24,000 *	40.1	146.4	23,000 *	135
140				10.4	94.3	17,600 *	16.5	107.3	18,900 *	23.3	120.6	20,400 *	28.5	129.5	21,900 *	32.9	135.8	22,800 *	36.6	140.1	21,900 *	140
145							4.2	79.8	16,500 *	16.9	107.0	19,100 *	23.5	119.3	20,500 *	28.5	127.3	21,700 *	32.7	132.8	20,800 *	145
150										5.7	82.0	17,700 *	17.2	105.8	19,200 *	23.5	117.1	20,600 *	28.4	124.4	19,800 *	150
155													6.4	81.8	17,800 *	17.2	103.6	19,300 *	23.3	114.0	18,800 *	155
160																6.4	79.7	17,900 *	16.9	100.3	17,900 *	160
165																			5.5	75.0	17,100 *	165

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
 Boom No. 78T With Heavy Lift Top
 95,400 Lb. Crane Counterweight
 25,000 Lb. 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



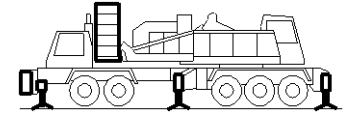
60 Ft. Boom, 140 Ft. Jib

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	31,300 *	56.2	187.2	33,000 *	57.8	188.8	34,000 *	60.3	190.7	35,500 *										90
95	50.9	180.1	29,900 *	53.7	183.7	31,500 *	55.3	185.5	32,500 *	57.9	187.7	33,900 *										95
100	48.2	175.8	28,500 *	51.1	179.9	30,100 *	52.8	181.9	31,000 *	55.5	184.4	32,500 *	58.0	186.1	33,700 *							100
105	45.4	171.1	26,600 *	48.4	175.7	28,700 *	50.2	177.9	29,600 *	52.9	180.8	31,000 *	55.6	182.8	32,300 *							105
110	42.4	165.9	24,800 *	45.6	171.0	26,800 *	47.5	173.5	28,200 *	50.3	176.9	29,700 *	53.0	179.2	30,900 *							110
115	39.3	160.1	23,100 *	42.7	165.9	25,000 *	44.6	168.7	26,200 *	47.6	172.5	28,400 *	50.4	175.3	29,600 *	53.0	177.1	29,600				115
120	36.0	153.7	21,600 *	39.6	160.1	23,400 *	41.6	163.4	24,500 *	44.8	167.7	26,400 *	47.7	171.0	28,300 *	50.4	173.1	27,900				120
125	32.3	146.3	20,300 *	36.3	153.7	21,900 *	38.4	157.4	22,900 *	41.8	162.4	24,700 *	44.9	166.2	26,600 *	47.7	168.8	26,400				125
130	28.3	137.7	19,000 *	32.6	146.4	20,500 *	35.0	150.7	21,400 *	38.6	156.5	23,100 *	41.9	160.9	24,800 *	44.9	164.0	24,900	47.6	166.0	23,900	130
135	23.6	127.5	17,800 *	28.6	138.0	19,200 *	31.3	143.1	20,100 *	35.2	149.9	21,600 *	38.7	155.0	23,200 *	41.9	158.7	23,600	44.8	161.2	22,600	135
140	17.8	114.2	16,700 *	24.0	127.9	18,000 *	27.1	134.1	18,800 *	31.5	142.3	20,200 *	35.3	148.4	21,700 *	38.7	152.8	22,400	41.8	155.9	21,500	140
145	8.9	93.2	14,200 *	18.4	115.0	16,800 *	22.2	123.2	17,600 *	27.3	133.4	19,000 *	31.6	140.8	20,400 *	35.3	146.2	21,300	38.6	150.0	20,400	145
150				10.0	95.2	15,400 *	15.9	108.7	16,500 *	22.5	122.6	17,800 *	27.5	132.0	19,100 *	31.6	138.7	20,300	35.2	143.3	19,400	150
155							4.0	80.2	14,500 *	16.3	108.4	16,700 *	22.7	121.3	17,900 *	27.5	129.8	19,200 *	31.5	135.7	18,500	155
160										5.5	82.5	15,500 *	16.6	107.3	16,800 *	22.7	119.1	18,000 *	27.3	126.8	17,600	160
165													6.2	82.4	15,600 *	16.6	105.1	16,800 *	22.4	116.0	16,800	165
170																6.1	80.2	15,700 *	16.2	101.8	16,000	170

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
25,000 Lb. 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



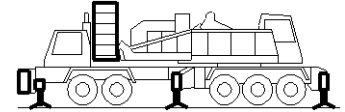
60 Ft. Boom, 150 Ft. Jib

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	23,600 *	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	22,500 *	46.7	180.1	23,800 *	48.4	182.5	24,500 *	51.0	185.7	25,800 *	53.5	188.0	26,900 *							115
120	40.9	169.7	21,500 *	44.0	175.1	22,700 *	45.8	177.8	23,400 *	48.5	181.5	24,600 *	51.1	184.1	25,700 *							120
125	37.9	163.6	20,300 *	41.2	169.7	21,600 *	43.0	172.7	22,300 *	45.9	176.9	23,400 *	48.6	179.9	24,500 *	51.1	182.0	25,500 *				125
130	34.7	156.8	19,000 *	38.2	163.7	20,500 *	40.1	167.1	21,300 *	43.2	171.8	22,400 *	46.0	175.3	23,400 *	48.6	177.7	24,400 *				130
135	31.2	149.1	17,900 *	35.0	156.9	19,200 *	37.1	160.8	20,100 *	40.3	166.2	21,300 *	43.3	170.2	22,400 *	46.0	173.1	23,300 *				135
140	27.3	140.2	16,800 *	31.5	149.3	18,000 *	33.8	153.8	18,800 *	37.3	160.0	20,200 *	40.4	164.6	21,300 *	43.3	168.1	22,300 *	45.9	170.3	21,400	140
145	22.8	129.5	15,700 *	27.6	140.5	17,000 *	30.2	145.8	17,700 *	34.0	153.0	19,000 *	37.4	158.5	20,400 *	40.4	162.5	21,200	43.2	165.2	20,300	145
150	17.2	115.8	14,800 *	23.2	130.0	15,900 *	26.1	136.5	16,600 *	30.4	145.0	17,800 *	34.1	151.5	19,100 *	37.4	156.3	20,200	40.3	159.6	19,300	150
155	8.6	93.9	12,500 *	17.7	116.6	14,900 *	21.4	125.1	15,600 *	26.4	135.8	16,800 *	30.5	143.6	18,000 *	34.1	149.3	19,200 *	37.2	153.4	18,400	155
160				9.6	96.0	13,600 *	15.3	110.1	14,600 *	21.7	124.6	15,800 *	26.5	134.4	16,900 *	30.5	141.4	18,000 *	34.0	146.4	17,500	160
165							3.9	80.5	12,900 *	15.8	109.9	14,800 *	21.9	123.3	15,900 *	26.5	132.2	16,900 *	30.4	138.5	16,700	165
170										5.3	83.0	13,700 *	16.0	108.7	14,900 *	21.9	121.1	15,900 *	26.4	129.2	15,900	170
180																5.9	80.7	13,900 *	15.7	103.2	14,500	180

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
 Boom No. 78T With Heavy Lift Top
 95,400 Lb. Crane Counterweight
 25,000 Lb. Front Bumper Counterweight
 360 Degree Rating On Fully Extended Outriggers

Designed And Tested
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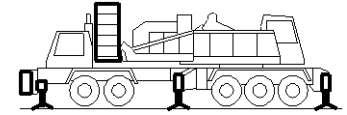
60 Ft. Boom, 160 Ft. Jib

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	14,500 *	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	19,300 *	145
150	26.4	142.6	13,800 *	30.5	152.1	14,600 *	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	18,400 *	150
155	22.0	131.5	13,100 *	26.7	142.9	13,900 *	29.2	148.5	14,300 *	32.9	156.0	15,100 *	36.2	161.8	15,900 *	39.1	166.1	16,700 *	41.7	169.1	17,500 *	155
160	16.6	117.2	12,600 *	22.4	132.0	13,200 *	25.3	138.7	13,600 *	29.4	147.7	14,400 *	33.0	154.5	15,100 *	36.1	159.6	15,900 *	39.0	163.2	16,600 *	160
165	8.4	94.7	10,900 *	17.2	118.1	12,600 *	20.7	127.0	13,000 *	25.5	138.1	13,700 *	29.5	146.3	14,400 *	33.0	152.3	15,100 *	36.0	156.7	15,800 *	165
170				9.3	96.9	11,900 *	14.8	111.4	12,500 *	21.0	126.5	13,000 *	25.7	136.7	13,700 *	29.5	144.1	14,300 *	32.9	149.4	15,000 *	170
180										5.1	83.4	11,900 *	15.5	110.1	12,500 *	21.2	123.0	13,000 *	25.5	131.5	13,600 *	180
190																5.7	81.2	11,900 *	15.2	104.6	12,400 *	190

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
25,000 Lb. 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



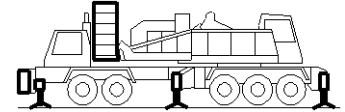
60 Ft. Boom, 170 Ft. Jib

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
 25,000 Lb. 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



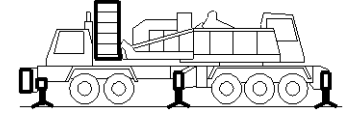
70 Ft. Boom, 70 Ft. Jib

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.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib 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	70.9	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	85,200 *	63.1	143.3	97,100 *b	66.5	144.4	100,900 *b													45
50	52.1	136.7	74,100 *	58.4	140.5	88,900 *	61.9	142.0	94,600 *b													50
55	46.8	132.4	65,300 *	53.5	137.1	77,000 *	57.2	139.1	84,800 *	63.0	141.1	83,300 *b										55
60	40.8	127.2	58,100 *	48.2	133.0	67,600 *	52.2	135.5	74,600 *	58.3	138.3	75,800 *										60
65	34.1	120.7	52,200 *	42.4	128.1	60,100 *	46.8	131.2	65,700 *	53.4	134.9	69,500 *										65
70	25.9	112.0	47,100 *	36.0	121.9	53,800 *	40.9	126.0	58,500 *	48.1	130.8	63,400	54.4	133.7	61,100							70
75	13.9	98.2	38,900 *	28.3	114.0	48,500 *	34.2	119.5	52,500 *	42.3	125.9	58,000	49.2	129.7	55,900							75
80				17.8	102.2	43,300 *	26.0	110.9	47,400 *	35.8	119.7	53,400	43.5	125.0	51,400	50.0	127.9	49,500				80
85							14.0	97.2	42,000 *	28.1	111.7	48,700 *	37.2	119.1	47,600	44.5	123.3	45,700				85
90										17.5	99.8	44,100 *	29.8	111.5	44,200	38.3	117.6	42,500	45.1	120.9	40,800	90
95													20.0	100.7	41,200	31.1	110.4	39,600	39.0	115.3	38,100	95
100																21.9	100.3	37,000	31.9	108.3	35,600	100
105																1.7	76.3	34,600	23.1	98.7	33,400	105
110																			7.5	80.4	31,300	110

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
25,000 Lb. 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



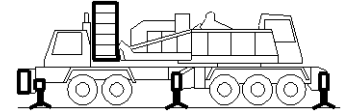
70 Ft. Boom, 80 Ft. Jib

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	84,700 *	66.7	154.3	89,800 *																45
50	57.5	148.9	74,100 *	62.7	151.9	86,200 *	65.7	153.1	88,800 *													50
55	53.2	145.5	65,400 *	58.6	149.1	77,000 *	61.7	150.7	84,300 *													55
60	48.6	141.4	58,200 *	54.3	145.8	67,700 *	57.6	147.7	74,600 *	62.6	149.8	75,400 *										60
65	43.6	136.6	52,400 *	49.8	141.9	60,200 *	53.2	144.3	65,800 *	58.5	147.0	69,100 *										65
70	38.1	130.8	47,400 *	44.9	137.3	54,000 *	48.6	140.2	58,600 *	54.2	143.7	63,100										70
75	31.9	123.6	43,100 *	39.6	131.8	48,800 *	43.6	135.4	52,700 *	49.7	139.8	57,700	55.1	142.4	55,500							75
80	24.2	114.3	39,300 *	33.6	125.1	44,300 *	38.1	129.6	47,700 *	44.8	135.1	53,100	50.6	138.6	51,000							80
85	13.0	99.4	32,900 *	26.4	116.4	40,400 *	31.9	122.5	43,400 *	39.5	129.6	49,000 *	45.8	134.1	47,200	51.3	136.8	45,300				85
90				16.6	103.7	36,500 *	24.3	113.1	39,600 *	33.4	122.8	44,500 *	40.6	128.8	43,800	46.6	132.4	42,100				90
95							13.1	98.3	35,600 *	26.2	114.1	40,600 *	34.7	122.3	40,900	41.4	127.2	39,200	47.1	129.9	37,600	95
100										16.3	101.3	37,100 *	27.8	114.1	38,200	35.7	121.0	36,700	42.0	124.9	35,200	100
105													18.7	102.4	35,800	29.0	113.1	34,400	36.4	118.7	33,000	105
110																20.4	102.2	32,300	29.8	111.1	31,000	110
115																1.6	76.5	30,400	21.6	100.7	29,200	115
120																			7.0	81.0	27,500	120

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
 Boom No. 78T With Heavy Lift Top
 95,400 Lb. Crane Counterweight
 25,000 Lb. 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



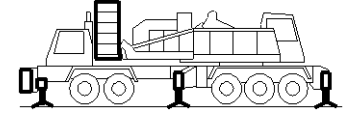
70 Ft. Boom, 90 Ft. Jib

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	71,200 *	66.0	163.0	75,900 *																50
55	57.8	157.6	65,900 *	62.4	160.6	72,500 *	65.1	161.8	75,000 *													55
60	54.0	154.2	58,700 *	58.8	157.8	68,200 *	61.5	159.3	71,800 *													60
65	49.9	150.3	52,700 *	55.0	154.5	60,600 *	57.8	156.4	66,300 *	62.3	158.5	68,800 *										65
70	45.6	145.7	47,700 *	51.0	150.8	54,400 *	54.0	153.0	59,100 *	58.7	155.7	62,800 *										70
75	41.0	140.4	43,500 *	46.8	146.4	49,100 *	49.9	149.1	53,100 *	54.9	152.4	57,400 *										75
80	35.8	134.1	39,800 *	42.2	141.3	44,700 *	45.6	144.6	48,100 *	50.9	148.6	52,800 *	55.7	151.1	50,800 *							80
85	30.0	126.4	36,500 *	37.2	135.3	40,900 *	41.0	139.3	43,800 *	46.7	144.2	48,900 *	51.7	147.4	46,900 *							85
90	22.8	116.3	33,600 *	31.6	128.0	37,500 *	35.9	133.0	40,100 *	42.1	139.1	44,900 *	47.5	143.2	43,600 *	52.4	145.5	41,800 *				90
95	12.2	100.5	28,300 *	24.9	118.7	34,500 *	30.0	125.3	36,800 *	37.1	133.1	41,000 *	43.0	138.2	40,600 *	48.2	141.4	39,000 *				95
100				15.7	105.1	31,400 *	22.9	115.2	33,900 *	31.5	125.7	37,700 *	38.2	132.4	38,000 *	43.8	136.6	36,400 *				100
105							12.3	99.5	30,700 *	24.7	116.4	34,700 *	32.7	125.3	35,600 *	39.0	130.9	34,200 *	44.3	134.1	32,700 *	105
110										15.4	102.7	31,900 *	26.2	116.5	33,500 *	33.6	124.1	32,100 *	39.5	128.6	30,800 *	110
115													17.6	104.0	31,600 *	27.3	115.6	30,300 *	34.2	121.9	29,000 *	115
120																19.2	103.9	28,600 *	28.1	113.6	27,400 *	120
125																1.5	76.6	26,900 *	20.3	102.5	25,900 *	125
130																			6.6	81.6	24,500 *	130

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
25,000 Lb. 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



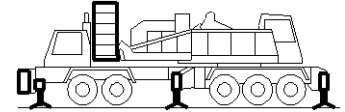
70 Ft. Boom, 100 Ft. Jib

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	63,200 *	65.4	171.7	67,400 *	67.7	172.8	69,800 *													55
60	58.0	166.2	58,600 *	62.2	169.3	64,300 *	64.6	170.5	66,600 *													60
65	54.6	162.9	52,600 *	58.9	166.5	60,500 *	61.4	168.0	63,600 *													65
70	51.0	159.1	47,600 *	55.5	163.2	54,200 *	58.0	165.1	58,900 *	62.1	167.2	62,400										70
75	47.2	154.8	43,400 *	51.9	159.6	49,000 *	54.6	161.7	53,000 *	58.8	164.3	57,100										75
80	43.2	149.8	39,700 *	48.2	155.4	44,600 *	51.0	157.9	48,000 *	55.4	161.1	52,500										80
85	38.8	144.1	36,500 *	44.2	150.6	40,800 *	47.2	153.6	43,700 *	51.9	157.4	48,500	56.1	159.8	46,500							85
90	34.0	137.3	33,700 *	39.9	145.0	37,500 *	43.2	148.7	40,000 *	48.1	153.2	44,800 *	52.6	156.2	43,200							90
95	28.4	129.0	31,200 *	35.3	138.6	34,500 *	38.8	142.9	36,800 *	44.1	148.4	40,900 *	48.9	152.1	40,200							95
100	21.6	118.3	28,800 *	29.9	130.7	31,900 *	34.0	136.1	33,900 *	39.9	142.8	37,600 *	44.9	147.4	37,600	49.5	150.3	36,000				100
105	11.6	101.6	24,400 *	23.6	120.8	29,600 *	28.5	127.9	31,400 *	35.1	136.3	34,700 *	40.7	142.0	35,300	45.6	145.7	33,800				105
110				14.8	106.5	27,000 *	21.7	117.2	29,100 *	29.8	128.5	32,100 *	36.1	135.7	33,200	41.4	140.5	31,700	46.0	143.3	30,400	110
115							11.7	100.5	26,500 *	23.4	118.5	29,700 *	30.9	128.2	31,300	36.9	134.3	29,900	41.9	138.1	28,600	115
120										14.6	104.0	27,500 *	24.8	118.7	29,500	31.8	127.0	28,200	37.4	132.1	27,000	120
125													16.7	105.6	27,900	25.9	117.9	26,700	32.4	124.9	25,500	125
130																18.2	105.6	25,300	26.6	116.1	24,200	130
135																1.4	76.7	23,900	19.3	104.3	22,900	135
140																			6.2	82.2	21,700	140

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
 Boom No. 78T With Heavy Lift Top
 95,400 Lb. Crane Counterweight
 25,000 Lb. 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



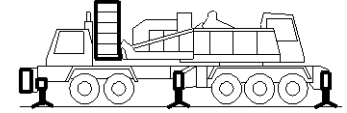
70 Ft. Boom, 110 Ft. Jib

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	56,500 *	64.9	180.4	60,300 *	67.0	181.5	62,300 *													60
65	58.2	174.9	52,700 *	62.0	177.9	57,500 *	64.2	179.2	59,500 *													65
70	55.1	171.6	47,800 *	59.0	175.1	54,300 *	61.2	176.7	56,900 *													70
75	51.8	167.9	43,500 *	55.9	171.9	49,100 *	58.2	173.7	53,100 *	61.9	175.8	57,000										75
80	48.5	163.7	39,900 *	52.7	168.3	44,700 *	55.1	170.5	48,100 *	58.9	173.0	52,400										80
85	44.9	159.0	36,700 *	49.3	164.3	40,900 *	51.9	166.7	43,800 *	55.8	169.8	48,400										85
90	41.1	153.7	33,900 *	45.8	159.7	37,600 *	48.5	162.6	40,100 *	52.6	166.2	44,900 *	56.5	168.5	43,100							90
95	36.9	147.5	31,400 *	42.1	154.5	34,700 *	44.9	157.9	36,900 *	49.3	162.1	41,100 *	53.3	165.0	40,200							95
100	32.3	140.2	29,200 *	38.0	148.6	32,200 *	41.1	152.5	34,100 *	45.7	157.5	37,800 *	50.0	161.0	37,600							100
105	27.1	131.5	27,100 *	33.6	141.6	29,900 *	36.9	146.3	31,600 *	42.0	152.3	34,900 *	46.5	156.5	35,200	50.5	159.2	33,700				105
110	20.6	120.2	25,200 *	28.5	133.3	27,800 *	32.4	139.1	29,400 *	37.9	146.4	32,300 *	42.8	151.5	33,100	47.0	154.8	31,700				110
115	11.1	102.5	21,500 *	22.5	122.8	25,800 *	27.1	130.3	27,300 *	33.5	139.4	30,000 *	38.8	145.7	31,200	43.4	149.8	29,900	47.4	152.3	28,500	115
120				14.2	107.7	23,800 *	20.7	119.0	25,400 *	28.4	131.1	27,900 *	34.4	138.9	29,500	39.4	144.1	28,200	43.8	147.4	26,900	120
125							11.2	101.5	23,400 *	22.3	120.5	26,000 *	29.5	130.9	27,900	35.1	137.6	26,700	39.9	141.8	25,500	125
130										13.9	105.2	24,200 *	23.6	120.9	26,400	30.3	129.8	25,300	35.6	135.4	24,100	130
135													15.9	107.0	24,600 *	24.7	120.2	24,000	30.9	127.7	22,900	135
140																17.4	107.2	22,800	25.4	118.4	21,700	140
145																1.3	76.8	21,600	18.3	105.9	20,700	145
150																			5.9	82.7	19,600	150

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
25,000 Lb. 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



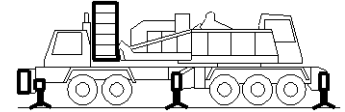
70 Ft. Boom, 120 Ft. Jib

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	50,100 *	64.5	189.1	53,300 *	66.5	190.2	55,000 *													65
70	58.4	183.6	47,600 *	61.8	186.6	51,000 *	63.8	187.9	52,600 *													70
75	55.5	180.3	43,300 *	59.1	183.8	48,700 *	61.1	185.3	50,400 *													75
80	52.6	176.7	39,700 *	56.3	180.6	44,500 *	58.4	182.4	47,900 *	61.8	184.5	50,500 *										80
85	49.5	172.7	36,500 *	53.3	177.1	40,700 *	55.5	179.2	43,600 *	59.0	181.6	48,100										85
90	46.3	168.1	33,700 *	50.3	173.2	37,400 *	52.6	175.5	39,900 *	56.2	178.5	44,600										90
95	42.9	163.1	31,300 *	47.1	168.8	34,600 *	49.5	171.5	36,800 *	53.3	174.9	40,900 *	56.8	177.2	39,800							95
100	39.2	157.3	29,000 *	43.8	163.8	32,000 *	46.3	167.0	34,000 *	50.2	171.0	37,600 *	53.9	173.7	37,200							100
105	35.3	150.7	27,000 *	40.2	158.3	29,700 *	42.9	161.9	31,500 *	47.0	166.6	34,700 *	50.8	169.8	34,800							105
110	30.9	143.1	25,200 *	36.3	151.9	27,700 *	39.3	156.2	29,200 *	43.7	161.7	32,100 *	47.7	165.5	32,800	51.3	168.0	31,300				110
115	25.9	133.8	23,500 *	32.1	144.6	25,800 *	35.3	149.6	27,200 *	40.1	156.1	29,800 *	44.4	160.7	30,900	48.2	163.8	29,500				115
120	19.7	121.9	22,000 *	27.3	135.8	24,100 *	30.9	141.9	25,400 *	36.3	149.7	27,800 *	40.8	155.3	29,100	44.9	159.0	27,800				120
125	10.6	103.5	18,700 *	21.5	124.8	22,500 *	25.9	132.7	23,700 *	32.0	142.3	25,900 *	37.1	149.1	27,600	41.4	153.7	26,300	45.3	156.6	25,100	125
130				13.5	108.9	20,700 *	19.8	120.8	22,100 *	27.2	133.5	24,200 *	32.9	141.9	26,100	37.7	147.6	24,900	41.8	151.3	23,700	130
135							10.7	102.5	20,400 *	21.3	122.4	22,600 *	28.2	133.5	24,600 *	33.6	140.7	23,600	38.1	145.4	22,500	135
140										13.3	106.4	21,100 *	22.6	122.9	23,000 *	29.0	132.4	22,400	34.1	138.5	21,400	140
145													15.3	108.4	21,500 *	23.6	122.3	21,300	29.5	130.4	20,300	145
150																16.6	108.7	20,300	24.3	120.6	19,300	150
155																1.3	77.0	19,300	17.6	107.5	18,400	155
160																			5.7	83.2	17,500	160

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
 Boom No. 78T With Heavy Lift Top
 95,400 Lb. Crane Counterweight
 25,000 Lb. Front Bumper Counterweight
 360 Degree Rating On Fully Extended Outriggers

Designed And Tested
 With The Intent To Be In
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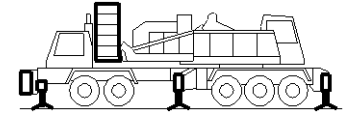
70 Ft. Boom, 130 Ft. Jib

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	36,000 *	56.5	189.3	38,200 *	58.5	191.1	39,500 *	61.6	193.2	41,300 *										85
90	50.4	181.5	33,900 *	53.9	185.8	36,600 *	55.9	187.8	37,800 *	59.1	190.3	39,600 *										90
95	47.4	177.2	31,300 *	51.1	182.0	34,700 *	53.2	184.3	36,200 *	56.5	187.2	38,000 *										95
100	44.4	172.3	29,100 *	48.2	177.7	32,100 *	50.4	180.3	34,100 *	53.8	183.7	36,500 *	57.0	185.8	36,900							100
105	41.1	166.9	27,100 *	45.2	173.0	29,800 *	47.4	176.0	31,600 *	51.0	179.8	34,800 *	54.3	182.4	34,600							105
110	37.6	160.8	25,300 *	42.0	167.8	27,700 *	44.4	171.1	29,300 *	48.1	175.6	32,200 *	51.6	178.6	32,500							110
115	33.9	153.9	23,600 *	38.6	161.9	25,800 *	41.1	165.7	27,300 *	45.1	170.8	29,900 *	48.7	174.5	30,600	52.0	176.8	29,200				115
120	29.7	145.8	22,100 *	34.9	155.2	24,100 *	37.7	159.6	25,500 *	41.9	165.6	27,800 *	45.7	169.8	28,900	49.2	172.7	27,500				120
125	24.9	136.1	20,700 *	30.8	147.4	22,600 *	33.9	152.7	23,800 *	38.5	159.7	26,000 *	42.5	164.7	27,300	46.2	168.1	26,000				125
130	19.0	123.6	19,300 *	26.2	138.2	21,100 *	29.7	144.6	22,300 *	34.8	152.9	24,300 *	39.2	158.9	25,900	43.1	163.1	24,600	46.5	165.7	23,400	130
135	10.2	104.4	16,400 *	20.6	126.6	19,800 *	24.9	134.9	20,800 *	30.7	145.2	22,700 *	35.5	152.4	24,500	39.7	157.4	23,400	43.4	160.7	22,200	135
140				13.0	110.1	18,300 *	19.0	122.5	19,500 *	26.1	135.9	21,300 *	31.6	144.8	23,100 *	36.2	151.0	22,200	40.1	155.1	21,100	140
145							10.3	103.4	18,000 *	20.5	124.3	19,900 *	27.1	135.9	21,600 *	32.2	143.6	21,100	36.6	148.7	20,000	145
150										12.8	107.6	18,600 *	21.7	124.9	20,200 *	27.8	135.0	20,100	32.7	141.5	19,100	150
155													14.7	109.7	18,900 *	22.7	124.4	19,100	28.4	133.0	18,100	155
160																16.0	110.1	18,200	23.3	122.7	17,300	160
165																1.2	77.1	17,300	16.9	109.0	16,500	165
170																			5.5	83.7	15,700	170

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
25,000 Lb. Front Bumper Counterweight
360 Degree Rating On Fully Extended Outriggers

Designed And Tested
 With The Intent To Be In
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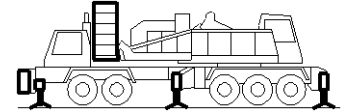
70 Ft. Boom, 140 Ft. Jib

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	30,000 *	54.3	194.6	31,900 *	56.2	196.5	33,000 *	59.2	199.0	34,700 *										95
100	48.4	186.1	28,700 *	51.8	190.8	30,500 *	53.7	193.0	31,500 *	56.7	195.8	33,200 *										100
105	45.6	181.4	26,900 *	49.1	186.7	29,100 *	51.1	189.2	30,100 *	54.3	192.4	31,800 *	57.2	194.5	33,200 *							105
110	42.7	176.3	25,100 *	46.3	182.1	27,500 *	48.4	184.9	28,800 *	51.7	188.6	30,400 *	54.8	191.1	31,800 *							110
115	39.5	170.6	23,400 *	43.4	177.1	25,600 *	45.6	180.3	27,100 *	49.0	184.5	29,100 *	52.2	187.4	30,200 *							115
120	36.2	164.1	21,900 *	40.4	171.5	23,900 *	42.7	175.1	25,200 *	46.3	179.9	27,600 *	49.6	183.4	28,500 *	52.6	185.5	27,100 *				120
125	32.6	156.8	20,500 *	37.1	165.3	22,400 *	39.6	169.4	23,600 *	43.4	174.9	25,700 *	46.8	178.9	26,900 *	50.0	181.5	25,600 *				125
130	28.6	148.4	19,200 *	33.6	158.2	21,000 *	36.2	163.0	22,100 *	40.3	169.3	24,000 *	44.0	174.0	25,500 *	47.3	177.1	24,200 *				130
135	23.9	138.2	18,000 *	29.7	150.1	19,700 *	32.6	155.7	20,700 *	37.0	163.1	22,500 *	40.9	168.5	24,200 *	44.4	172.3	23,000 *	47.6	174.7	21,800 *	135
140	18.3	125.3	16,800 *	25.2	140.5	18,400 *	28.6	147.2	19,400 *	33.5	156.0	21,100 *	37.7	162.4	22,900 *	41.4	166.9	21,800 *	44.8	169.9	20,700 *	140
145	9.8	105.3	14,300 *	19.9	128.4	17,300 *	24.0	137.1	18,200 *	29.6	147.8	19,800 *	34.2	155.5	21,400 *	38.2	160.9	20,700 *	41.8	164.6	19,600 *	145
150				12.5	111.2	16,000 *	18.3	124.2	17,000 *	25.1	138.2	18,500 *	30.4	147.6	20,100 *	34.8	154.2	19,700 *	38.6	158.6	18,700 *	150
155							9.9	104.3	15,800 *	19.7	126.1	17,400 *	26.1	138.3	18,900 *	31.0	146.4	18,800 *	35.2	152.0	17,800 *	155
160										12.3	108.7	16,200 *	20.9	126.8	17,700 *	26.8	137.4	17,900 *	31.5	144.4	16,900 *	160
165													14.1	110.9	16,600 *	21.8	126.3	17,000 *	27.3	135.5	16,100 *	165
170																15.4	111.5	16,300 *	22.4	124.7	15,400 *	170
180																			5.3	84.2	14,000 *	180

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
 Boom No. 78T With Heavy Lift Top
 95,400 Lb. Crane Counterweight
 25,000 Lb. 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



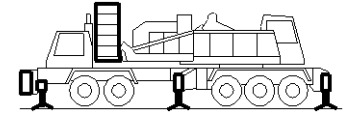
70 Ft. Boom, 150 Ft. Jib

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	23,700 *	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	22,600 *	47.3	191.1	24,100 *	49.2	193.9	25,000 *	52.3	197.4	26,400 *	55.1	199.8	27,800 *							115
120	41.1	180.1	21,600 *	44.7	186.3	23,000 *	46.7	189.3	23,800 *	49.8	193.4	25,200 *	52.8	196.2	26,500 *							120
125	38.2	174.1	20,500 *	41.9	181.0	21,900 *	44.0	184.4	22,700 *	47.3	189.0	24,100 *	50.3	192.2	25,300 *							125
130	34.9	167.3	19,300 *	38.9	175.1	20,900 *	41.2	179.0	21,700 *	44.6	184.1	23,000 *	47.8	187.9	24,200 *	50.7	190.4	24,100				130
135	31.5	159.7	18,100 *	35.8	168.6	19,700 *	38.2	172.9	20,700 *	41.8	178.8	21,900 *	45.2	183.1	23,100 *	48.2	186.1	22,900				135
140	27.6	150.9	17,000 *	32.4	161.2	18,500 *	35.0	166.2	19,400 *	38.9	172.9	20,900 *	42.4	177.9	22,100 *	45.6	181.4	21,700				140
145	23.1	140.3	16,000 *	28.6	152.7	17,400 *	31.5	158.6	18,200 *	35.7	166.4	19,800 *	39.5	172.2	21,100 *	42.9	176.3	20,600	45.9	179.0	19,500	145
150	17.6	126.9	14,900 *	24.3	142.7	16,300 *	27.6	149.7	17,100 *	32.3	158.9	18,600 *	36.4	165.7	20,100 *	40.0	170.6	19,600	43.2	173.9	18,600	150
155	9.5	106.1	12,600 *	19.2	130.2	15,300 *	23.2	139.2	16,100 *	28.5	150.4	17,500 *	33.0	158.5	18,900 *	36.9	164.3	18,700	40.3	168.3	17,700	155
160				12.1	112.3	14,200 *	17.7	125.8	15,100 *	24.2	140.4	16,400 *	29.3	150.3	17,700 *	33.6	157.2	17,800	37.2	162.1	16,800	160
165							9.6	105.1	14,000 *	19.1	127.8	15,400 *	25.2	140.5	16,700 *	29.9	149.2	17,000	34.0	155.1	16,000	165
170										11.9	109.7	14,400 *	20.2	128.6	15,700 *	25.9	139.7	16,200	30.4	147.1	15,300	170
180																14.9	112.8	14,800	21.7	126.7	13,900	180
190																			5.1	84.6	12,700	190

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
25,000 Lb. 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



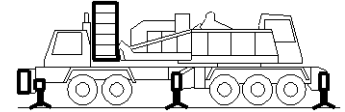
70 Ft. Boom, 160 Ft. Jib

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	21,400 *				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	20,400 *				140
145	30.4	162.5	14,600 *	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	19,400 *				145
150	26.7	153.3	13,900 *	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	18,400 *	46.9	188.0	18,200	150
155	22.4	142.3	13,200 *	27.7	155.2	14,100 *	30.5	161.3	14,600 *	34.6	169.5	15,600 *	38.2	175.7	16,500 *	41.4	180.1	17,500 *	44.4	183.1	17,300	155
160	17.1	128.4	12,700 *	23.6	144.8	13,400 *	26.7	152.2	13,900 *	31.3	161.8	14,800 *	35.2	169.0	15,700 *	38.6	174.2	16,600 *	41.7	177.8	16,400	160
165	9.2	106.9	11,000 *	18.6	131.8	12,800 *	22.4	141.2	13,300 *	27.6	152.9	14,100 *	31.9	161.4	14,900 *	35.7	167.6	15,800 *	39.0	171.9	15,700	165
170				11.7	113.4	12,300 *	17.1	127.3	12,700 *	23.5	142.5	13,400 *	28.4	152.8	14,200 *	32.5	160.2	15,000 *	36.0	165.4	14,900	170
180										11.5	110.7	12,300 *	19.6	130.3	12,900 *	25.0	142.0	13,600 *	29.4	149.8	13,600	180
190																14.4	114.1	12,500 *	21.0	128.5	12,400	190
200																			4.9	85.0	11,200	200

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
 Boom No. 78T With Heavy Lift Top
 95,400 Lb. Crane Counterweight
 25,000 Lb. 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



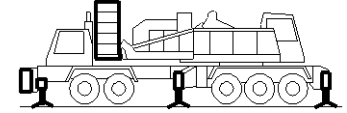
70 Ft. Boom, 170 Ft. Jib

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	16,300 *	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	15,500 *	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	14,700 *	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	13,900 *	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	12,400 *	180
190										11.2	111.7	8,300 *	19.0	132.0	9,100 *	24.3	144.2	10,000 *	28.5	152.4	10,900 *	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
25,000 Lb. 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



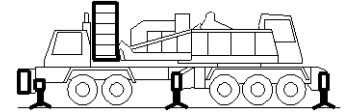
80 Ft. Boom, 70 Ft. Jib

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	84,900 *													55
60	41.3	137.6	58,300 *	49.5	144.0	69,400 *	54.0	146.7	77,300 *	60.8	149.5	74,700 *										60
65	34.6	131.2	52,300 *	43.9	139.3	61,500 *	48.7	142.7	68,300 *	56.0	146.4	68,500 *										65
70	26.6	122.7	47,100 *	37.6	133.5	55,000 *	43.0	137.8	60,600 *	50.9	142.7	62,500	57.8	145.4	59,800							70
75	15.0	109.6	40,200 *	30.3	126.1	49,500 *	36.6	131.8	54,300 *	45.4	138.2	57,200	52.8	141.9	54,700							75
80				20.8	115.6	44,700 *	29.1	124.1	48,900 *	39.3	132.7	52,600	47.4	137.7	50,300							80
85							19.0	112.9	44,200 *	32.3	125.8	48,600	41.6	132.6	46,500	49.2	136.3	44,500				85
90										23.5	116.4	45,200	35.0	126.3	43,200	43.5	131.6	41,300				90
95										8.8	99.1	41,500 *	27.0	118.0	40,300	37.2	125.7	38,500	45.1	129.5	36,700	95
100													15.8	105.2	37,700	29.8	118.1	36,000	39.0	124.0	34,400	100
105																20.1	107.4	33,800	31.9	117.0	32,200	105
110																			23.1	107.4	30,300	110
115																			7.5	89.0	28,500	115

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
 Boom No. 78T With Heavy Lift Top
 95,400 Lb. Crane Counterweight
 25,000 Lb. 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



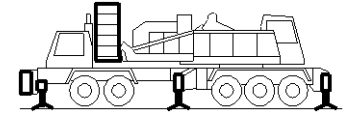
80 Ft. Boom, 80 Ft. Jib

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	84,500 *													55
60	48.9	151.7	58,400 *	55.4	156.6	69,500 *	59.0	158.7	76,900 *													60
65	43.9	146.9	52,500 *	50.9	152.9	61,600 *	54.7	155.4	68,400 *	60.7	158.2	68,000 *										65
70	38.5	141.2	47,500 *	46.1	148.4	55,100 *	50.2	151.6	60,700 *	56.5	155.1	62,100										70
75	32.3	134.2	43,100 *	40.9	143.2	49,700 *	45.4	147.0	54,400 *	52.1	151.5	56,800	58.0	154.0	54,200							75
80	24.8	125.0	39,400 *	35.1	136.8	45,100 *	40.1	141.6	49,100 *	47.4	147.3	52,200	53.7	150.7	49,900							80
85	14.1	110.8	34,000 *	28.3	128.7	41,100 *	34.2	135.0	44,600 *	42.3	142.3	48,300	49.1	146.7	46,100							85
90				19.4	117.4	37,500 *	27.2	126.6	40,700 *	36.7	136.2	44,900	44.2	142.0	42,800	50.6	145.2	40,900				90
95							17.8	114.5	37,100 *	30.1	128.6	41,800	38.8	136.3	39,900	45.8	140.7	38,100				95
100										22.0	118.4	38,700 *	32.7	129.4	37,400	40.6	135.4	35,600	47.1	138.6	33,900	100
105										8.2	99.8	35,200 *	25.3	120.3	35,000	34.7	128.9	33,400	42.0	133.5	31,800	105
110													14.8	106.6	32,900	27.8	120.7	31,400	36.4	127.4	29,900	110
115																18.8	109.1	29,600	29.8	119.7	28,100	115
120																			21.6	109.3	26,600	120
125																			7.0	89.7	25,100	125

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
25,000 Lb. 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



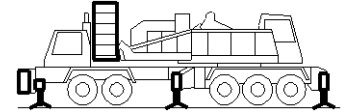
80 Ft. Boom, 90 Ft. Jib

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	69,000 *													65
70	45.9	156.1	47,800 *	52.0	161.7	55,600 *	55.3	164.1	61,200 *	60.6	166.8	61,800										70
75	41.3	150.8	43,500 *	47.8	157.4	50,100 *	51.4	160.4	54,800 *	56.9	163.8	56,500										75
80	36.2	144.6	39,800 *	43.4	152.5	45,500 *	47.2	156.1	49,500 *	53.0	160.3	52,000										80
85	30.4	137.0	36,500 *	38.5	146.8	41,500 *	42.7	151.1	45,000 *	48.9	156.2	48,100	54.4	159.4	45,900							85
90	23.4	127.1	33,600 *	33.0	139.8	38,100 *	37.7	145.1	41,100 *	44.5	151.5	44,600	50.4	155.5	42,600							90
95	13.3	112.0	29,200 *	26.6	131.1	35,000 *	32.2	138.0	37,700 *	39.8	146.0	41,600	46.1	151.1	39,700	51.7	154.0	37,800				95
100				18.3	119.0	32,200 *	25.6	128.9	34,700 *	34.5	139.4	38,900	41.6	145.9	37,100	47.6	149.8	35,300				100
105							16.7	116.0	31,900 *	28.4	131.2	36,000 *	36.5	139.7	34,800	43.1	144.8	33,100				105
110										20.7	120.3	33,100 *	30.7	132.2	32,700	38.2	139.0	31,200	44.3	142.8	29,600	110
115										7.7	100.5	30,300 *	23.8	122.5	30,800	32.7	132.0	29,400	39.5	137.2	27,900	115
120													13.9	107.8	29,100	26.2	123.1	27,700	34.2	130.6	26,300	120
125																17.7	110.7	26,200	28.1	122.3	24,900	125
130																			20.3	111.2	23,600	130
135																			6.6	90.3	22,300	135

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
 Boom No. 78T With Heavy Lift Top
 95,400 Lb. Crane Counterweight
 25,000 Lb. 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



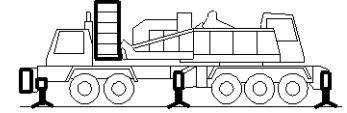
80 Ft. Boom, 100 Ft. Jib

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	61,100 *													70
75	47.5	165.1	43,500 *	52.8	170.4	50,000 *	55.8	172.8	54,700 *	60.5	175.5	56,100										75
80	43.4	160.2	39,800 *	49.1	166.4	45,400 *	52.3	169.2	49,400 *	57.2	172.5	51,600										80
85	39.1	154.5	36,600 *	45.2	161.7	41,500 *	48.6	165.0	44,900 *	53.7	169.0	47,700										85
90	34.3	147.8	33,700 *	41.0	156.4	38,100 *	44.6	160.3	41,000 *	50.1	165.1	44,300	55.0	168.1	42,200							90
95	28.8	139.6	31,100 *	36.4	150.2	35,000 *	40.4	154.8	37,700 *	46.2	160.6	41,300	51.4	164.4	39,300							95
100	22.2	129.2	28,800 *	31.3	142.7	32,400 *	35.7	148.5	34,700 *	42.1	155.5	38,600	47.7	160.1	36,700	52.6	162.8	34,900				100
105	12.6	113.2	25,200 *	25.3	133.4	29,900 *	30.5	140.8	32,100 *	37.6	149.5	36,000 *	43.7	155.2	34,400	48.9	158.7	32,700				105
110				17.4	120.6	27,700 *	24.2	131.1	29,700 *	32.7	142.4	33,200 *	39.3	149.6	32,400	45.0	154.0	30,700				110
115							15.9	117.4	27,400 *	26.9	133.7	30,700 *	34.6	142.9	30,500	40.8	148.6	29,000	46.0	151.9	27,400	115
120										19.6	122.0	28,500 *	29.1	134.9	28,800	36.2	142.3	27,300	41.9	146.8	25,900	120
125										7.3	101.2	26,200 *	22.6	124.5	27,200	31.0	134.8	25,800	37.4	140.7	24,500	125
130													13.2	109.0	25,800	24.8	125.4	24,500	32.4	133.6	23,200	130
135																16.8	112.2	23,200	26.6	124.7	22,000	135
140																			19.3	112.9	20,800	140
145																			6.2	90.8	19,800	145

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
25,000 Lb. 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



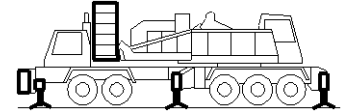
80 Ft. Boom, 110 Ft. Jib

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 *																			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	51,500										80
85	45.1	169.4	36,700 *	50.2	175.2	41,600 *	53.0	177.9	45,000 *	57.5	181.1	47,600										85
90	41.3	164.1	33,900 *	46.7	170.8	38,200 *	49.7	173.9	41,200 *	54.3	177.8	44,200										90
95	37.2	157.9	31,400 *	43.0	165.8	35,200 *	46.2	169.4	37,800 *	51.0	173.9	41,200	55.5	176.8	39,200							95
100	32.7	150.8	29,200 *	39.0	160.0	32,600 *	42.4	164.3	34,900 *	47.6	169.6	38,500	52.2	173.1	36,700							100
105	27.5	142.1	27,100 *	34.7	153.4	30,200 *	38.4	158.4	32,300 *	44.0	164.8	36,100	48.9	169.0	34,400							105
110	21.1	131.1	25,200 *	29.8	145.4	28,100 *	34.0	151.6	30,000 *	40.1	159.2	33,400 *	45.3	164.4	32,300	50.0	167.6	30,700				110
115	12.0	114.3	22,200 *	24.1	135.6	26,100 *	29.0	143.4	27,900 *	35.8	152.8	31,000 *	41.5	159.1	30,500	46.5	163.1	28,900				115
120				16.6	122.1	24,300 *	23.1	133.2	25,900 *	31.1	145.3	28,800 *	37.4	153.0	28,800	42.8	158.0	27,300	47.4	161.0	25,800	120
125							15.1	118.8	24,100 *	25.6	136.0	26,800 *	32.9	145.9	27,200	38.8	152.3	25,800	43.8	156.1	24,400	125
130										18.7	123.7	24,900 *	27.7	137.4	25,800	34.4	145.5	24,400	39.9	150.5	23,100	130
135										7.0	101.8	23,100 *	21.5	126.5	24,500	29.5	137.5	23,200	35.6	144.0	21,900	135
140													12.6	110.2	23,200	23.7	127.5	22,000	30.9	136.4	20,800	140
145																16.0	113.6	20,900	25.4	127.0	19,800	145
150																			18.3	114.6	18,800	150
155																			5.9	91.3	17,900	155

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
 Boom No. 78T With Heavy Lift Top
 95,400 Lb. Crane Counterweight
 25,000 Lb. Front Bumper Counterweight
 360 Degree Rating On Fully Extended Outriggers

Designed And Tested
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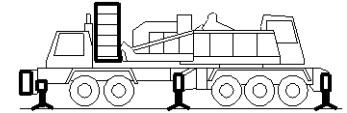
80 Ft. Boom, 120 Ft. Jib

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	47,200										85
90	46.5	178.5	33,800 *	51.0	184.1	38,000 *	53.6	186.7	41,000 *	57.7	189.8	43,800										90
95	43.1	173.4	31,300 *	47.9	179.8	35,100 *	50.6	182.8	37,700 *	54.8	186.5	40,800										95
100	39.5	167.7	29,000 *	44.6	175.0	32,400 *	47.4	178.4	34,700 *	51.8	182.8	38,200	55.9	185.5	36,200							100
105	35.6	161.2	27,000 *	41.1	169.6	30,100 *	44.1	173.6	32,100 *	48.7	178.6	35,800	52.9	181.9	34,000							105
110	31.2	153.6	25,200 *	37.3	163.5	28,000 *	40.5	168.1	29,800 *	45.5	173.9	33,300 *	49.9	177.9	31,900							110
115	26.3	144.5	23,500 *	33.2	156.4	26,100 *	36.7	161.8	27,800 *	42.0	168.7	30,800 *	46.7	173.5	30,100	50.9	176.4	28,500				115
120	20.2	132.9	21,900 *	28.5	148.0	24,300 *	32.5	154.6	25,900 *	38.3	162.8	28,700 *	43.3	168.5	28,400	47.7	172.1	26,900				120
125	11.5	115.3	19,300 *	23.0	137.7	22,700 *	27.8	146.0	24,100 *	34.3	156.0	26,700 *	39.7	162.8	26,800	44.4	167.3	25,400				125
130				15.8	123.5	21,200 *	22.1	135.2	22,500 *	29.8	148.0	24,900 *	35.8	156.3	25,400	40.9	161.9	24,000	45.3	165.2	22,700	130
135							14.5	120.1	21,000 *	24.5	138.2	23,300 *	31.5	148.8	24,100	37.1	155.7	22,800	41.8	160.0	21,500	135
140										17.9	125.3	21,700 *	26.5	139.8	22,900	32.9	148.5	21,700	38.1	154.0	20,400	140
145										6.7	102.4	20,100 *	20.6	128.3	21,800	28.2	140.1	20,600	34.1	147.2	19,400	145
150													12.1	111.2	20,700	22.7	129.6	19,600	29.5	139.1	18,500	150
155																15.3	115.0	18,600	24.3	129.2	17,600	155
160																			17.6	116.2	16,700	160
165																			5.7	91.9	15,900	165

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
25,000 Lb. 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



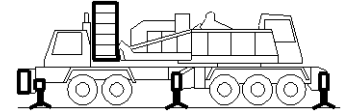
80 Ft. Boom, 130 Ft. Jib

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	38,800 *										95
100	44.6	182.7	29,100 *	48.9	188.7	32,600 *	51.4	191.6	34,900 *	55.2	195.2	37,300 *										100
105	41.3	177.3	27,100 *	45.9	184.1	30,200 *	48.5	187.4	32,300 *	52.5	191.5	35,500 *	56.2	194.2	33,700 *							105
110	37.9	171.2	25,300 *	42.8	179.0	28,100 *	45.5	182.7	29,900 *	49.6	187.5	33,400 *	53.5	190.7	31,600 *							110
115	34.1	164.4	23,600 *	39.4	173.3	26,100 *	42.3	177.5	27,800 *	46.7	183.0	31,000 *	50.7	186.8	29,800 *							115
120	30.0	156.4	22,100 *	35.8	166.8	24,400 *	38.9	171.7	25,900 *	43.6	178.0	28,800 *	47.8	182.5	28,100 *	51.6	185.2	26,600 *				120
125	25.2	146.8	20,600 *	31.8	159.3	22,800 *	35.2	165.1	24,200 *	40.3	172.5	26,800 *	44.7	177.7	26,600 *	48.7	181.1	25,100 *				125
130	19.4	134.6	19,300 *	27.4	150.5	21,300 *	31.2	157.4	22,700 *	36.7	166.2	25,000 *	41.5	172.3	25,200 *	45.7	176.4	23,800 *				130
135	11.0	116.3	17,000 *	22.1	139.7	20,000 *	26.7	148.4	21,200 *	32.9	159.0	23,400 *	38.1	166.3	23,900 *	42.6	171.3	22,500 *	46.5	174.3	21,200 *	135
140				15.2	124.9	18,600 *	21.2	137.1	19,800 *	28.6	150.6	21,900 *	34.3	159.5	22,700 *	39.2	165.5	21,400 *	43.4	169.3	20,100 *	140
145							13.9	121.3	18,500 *	23.5	140.3	20,500 *	30.2	151.6	21,600 *	35.6	159.0	20,300 *	40.1	163.7	19,100 *	145
150										17.2	126.9	19,100 *	25.5	142.1	20,500 *	31.6	151.4	19,300 *	36.6	157.4	18,200 *	150
155										6.4	103.0	17,800 *	19.8	130.1	19,500 *	27.1	142.5	18,400 *	32.7	150.2	17,300 *	155
160													11.6	112.3	18,400 *	21.8	131.5	17,500 *	28.4	141.7	16,500 *	160
165																14.7	116.3	16,700 *	23.3	131.3	15,700 *	165
170																			16.9	117.7	15,000 *	170

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
 Boom No. 78T With Heavy Lift Top
 95,400 Lb. Crane Counterweight
 25,000 Lb. 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



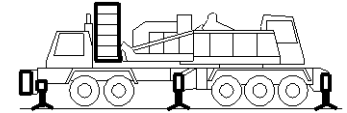
80 Ft. Boom, 140 Ft. Jib

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	31,100 *	56.5	202.9	31,200							110
115	39.8	181.0	23,400 *	44.2	188.3	25,900 *	46.6	191.8	27,600 *	50.4	196.3	29,800 *	54.0	199.4	29,400							115
120	36.5	174.6	21,900 *	41.1	182.9	24,200 *	43.7	186.8	25,700 *	47.7	192.0	28,500 *	51.4	195.6	27,700							120
125	32.9	167.4	20,500 *	37.9	176.8	22,600 *	40.7	181.3	24,000 *	44.9	187.2	26,600 *	48.7	191.4	26,200	52.2	194.0	24,700				125
130	28.9	159.0	19,200 *	34.5	170.0	21,200 *	37.4	175.1	22,500 *	41.9	181.9	24,800 *	45.9	186.8	24,800	49.6	190.0	23,300				130
135	24.3	149.0	18,000 *	30.6	162.1	19,800 *	33.9	168.2	21,000 *	38.8	176.1	23,200 *	43.0	181.7	23,500	46.9	185.5	22,100				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	22,300	44.0	180.6	21,000	47.6	183.3	19,700	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	21,200	40.9	175.1	19,900	44.8	178.5	18,700	145
150				14.7	126.2	16,300 *	20.4	139.0	17,300 *	27.5	153.1	19,000 *	33.0	162.5	20,200	37.7	169.0	18,900	41.8	173.2	17,800	150
155							13.4	122.5	16,200 *	22.7	142.4	17,900 *	29.1	154.2	19,200	34.2	162.1	18,000	38.6	167.3	16,900	155
160										16.6	128.4	16,700 *	24.5	144.3	18,300	30.4	154.2	17,200	35.2	160.6	16,100	160
165										6.2	103.5	15,500 *	19.0	131.8	17,200 *	26.1	144.9	16,400	31.5	153.0	15,300	165
170													11.2	113.3	16,100 *	21.0	133.4	15,600	27.3	144.2	14,600	170
180																			16.2	119.1	13,300	180

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
25,000 Lb. 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



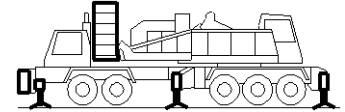
80 Ft. Boom, 150 Ft. Jib

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	28,600 *							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	27,300 *							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	26,100 *							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	24,700 *	52.8	202.8	23,200				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	23,400 *	50.3	198.8	22,000				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	22,200 *	47.8	194.5	20,900				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	21,100 *	45.2	189.7	19,800				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	20,100 *	42.4	184.5	18,800	45.9	187.6	17,600	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	19,100 *	39.5	178.8	17,900	43.2	182.6	16,800	155
160				14.2	127.5	14,400 *	19.7	140.7	15,300 *	26.5	155.5	16,800 *	31.9	165.4	18,200 *	36.4	172.3	17,100	40.3	177.0	16,000	160
165							13.0	123.7	14,300 *	21.9	144.4	15,800 *	28.1	156.8	17,300 *	33.0	165.1	16,300	37.2	170.7	15,200	165
170										16.0	129.8	14,800 *	23.7	146.5	16,300 *	29.4	156.9	15,500	34.0	163.7	14,500	170
180													10.8	114.2	14,300 *	20.2	135.2	14,100	26.4	146.5	13,200	180
190																			15.7	120.5	12,000	190

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
 Boom No. 78T With Heavy Lift Top
 95,400 Lb. Crane Counterweight
 25,000 Lb. 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



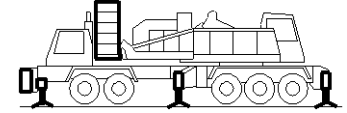
80 Ft. Boom, 160 Ft. Jib

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	20,100 *	51.0	207.6	20,500				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	19,100 *	48.6	203.4	19,400				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	18,100 *	46.2	198.8	18,400				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	17,200 *	43.7	193.8	17,500	46.9	196.7	16,400	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	16,300 *	41.0	188.3	16,700	44.4	191.8	15,600	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	15,900	41.7	186.4	14,800	165
170				13.7	128.7	12,500 *	19.1	142.5	12,900 *	25.7	157.8	13,800 *	30.9	168.2	14,800 *	35.2	175.6	15,200	39.0	180.6	14,100	170
180										15.5	131.2	12,600 *	22.9	148.5	13,400 *	28.4	159.4	13,800	32.9	166.7	12,800	180
190													10.4	115.2	12,200 *	19.6	137.0	12,600	25.5	148.8	11,700	190
200																			15.2	121.9	10,600	200

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
25,000 Lb. 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



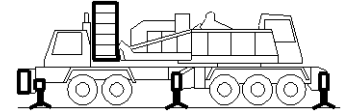
80 Ft. Boom, 170 Ft. Jib

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	18,100 *				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	17,200 *				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	16,300 *				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	15,400 *	47.7	205.7	15,300	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	14,600 *	45.4	201.0	14,500	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	13,800 *	43.0	195.8	13,800	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	12,300 *	37.8	184.0	12,500	180
190										15.0	132.5	8,600 *	22.2	150.5	9,600 *	27.5	161.9	10,700 *	31.8	169.6	11,400	190
200													10.1	116.1	8,200 *	19.0	138.7	9,100 *	24.7	151.1	10,100 *	200
210																			14.7	123.2	8,600 *	210

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
 Boom No. 78T With Heavy Lift Top
 95,400 Lb. Crane Counterweight
 25,000 Lb. 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



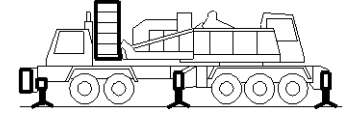
90 Ft. Boom, 70 Ft. Jib

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	84,200 *													55
60	41.7	148.0	58,900 *	50.8	154.9	71,800 *	55.7	157.7	76,700 *													60
65	35.1	141.7	52,800 *	45.3	150.5	63,400 *	50.6	154.0	70,300 *	58.5	157.8	67,600 *										65
70	27.2	133.4	47,600 *	39.2	145.0	56,600 *	45.1	149.5	63,200 *	53.5	154.4	61,700										70
75	16.1	120.8	40,900 *	32.2	138.0	50,800 *	38.9	143.9	56,400 *	48.3	150.3	56,400	56.2	153.8	53,600							75
80				23.4	128.5	45,900 *	31.9	136.9	50,700 *	42.5	145.4	51,900	51.1	150.1	49,300							80
85				8.5	111.1	38,500 *	23.0	127.2	45,800 *	36.1	139.3	48,000	45.7	145.6	45,600							85
90							7.2	108.7	39,000 *	28.4	131.3	44,600	39.6	140.2	42,400	48.4	144.7	40,200				90
95										17.9	119.7	41,600	32.7	133.4	39,500	42.6	139.8	37,500				95
100													24.0	124.1	37,000	36.2	133.7	35,100	45.1	138.2	33,200	100
105													10.0	107.8	34,600	28.5	125.8	32,900	39.0	132.7	31,100	105
110																18.1	114.2	30,900	31.9	125.6	29,300	110
115																			23.1	116.0	27,600	115
120																			7.5	97.7	26,000	120

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
25,000 Lb. 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



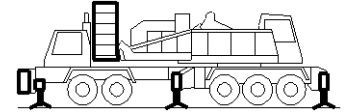
90 Ft. Boom, 80 Ft. Jib

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	83,100 *													55
60	49.2	162.0	59,000 *	56.4	167.4	71,800 *	60.5	169.5	76,300 *													60
65	44.3	157.3	53,000 *	52.0	163.8	63,500 *	56.2	166.4	69,900 *	62.8	169.2	67,100 *										65
70	38.9	151.7	47,900 *	47.3	159.5	56,700 *	51.8	162.8	63,300 *	58.7	166.4	61,300										70
75	32.8	144.7	43,500 *	42.2	154.5	51,100 *	47.1	158.5	56,600 *	54.4	163.1	56,000										75
80	25.4	135.7	39,700 *	36.6	148.4	46,300 *	42.0	153.5	51,000 *	49.8	159.2	51,500	56.7	162.4	48,900							80
85	15.1	122.2	34,500 *	30.1	140.8	42,100 *	36.3	147.3	46,200 *	45.0	154.6	47,700	52.3	158.9	45,200							85
90				21.9	130.5	38,500 *	29.8	139.6	42,100 *	39.7	149.1	44,300	47.6	154.7	42,000							90
95				8.0	111.8	32,700 *	21.5	129.2	38,400 *	33.7	142.4	41,300	42.6	149.7	39,100	49.9	153.6	37,000				95
100							6.7	109.3	33,200 *	26.5	133.8	38,600	37.0	143.7	36,600	45.1	149.0	34,600				100
105										16.8	121.2	36,200	30.5	136.2	34,300	39.7	143.6	32,500	47.1	147.3	30,700	105
110													22.5	126.1	32,300	33.7	136.9	30,500	42.0	142.2	28,800	110
115													9.4	108.6	30,300	26.6	128.3	28,800	36.4	136.1	27,100	115
120																17.0	115.8	27,100	29.8	128.4	25,600	120
125																			21.6	118.0	24,200	125
130																			7.0	98.3	22,900	130

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
 Boom No. 78T With Heavy Lift Top
 95,400 Lb. Crane Counterweight
 25,000 Lb. 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



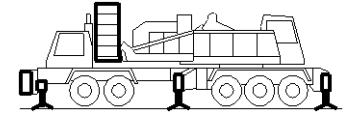
90 Ft. Boom, 90 Ft. Jib

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	69,600 *													65
70	46.2	166.4	48,300 *	53.0	172.5	57,100 *	56.7	175.1	63,800 *	62.5	177.9	61,000										70
75	41.6	161.2	43,900 *	48.8	168.5	51,500 *	52.8	171.6	57,000 *	58.8	175.1	55,700										75
80	36.6	155.1	40,100 *	44.5	163.7	46,700 *	48.7	167.5	51,300 *	55.0	171.8	51,300										80
85	30.9	147.6	36,800 *	39.7	158.2	42,500 *	44.3	162.7	46,600 *	51.0	168.1	47,400	57.1	171.1	44,900							85
90	23.9	137.9	33,900 *	34.4	151.6	39,000 *	39.5	157.2	42,500 *	46.8	163.7	44,000	53.2	167.6	41,700							90
95	14.2	123.5	29,700 *	28.3	143.4	35,800 *	34.2	150.5	38,900 *	42.3	158.6	41,000	49.1	163.6	38,900							95
100				20.6	132.4	32,900 *	28.0	142.2	35,700 *	37.3	152.6	38,400	44.7	158.9	36,300	51.1	162.5	34,300				100
105				7.5	112.5	28,300 *	20.2	131.0	32,900 *	31.7	145.3	36,000	40.0	153.4	34,100	46.9	158.1	32,200				105
110							6.4	109.9	28,700 *	25.0	136.1	33,900	34.8	146.9	32,000	42.3	153.0	30,300				110
115										15.8	122.6	31,900 *	28.7	138.8	30,200	37.4	147.0	28,500	44.3	151.5	26,900	115
120													21.2	128.1	28,500	31.8	139.8	26,900	39.5	145.9	25,300	120
125													8.8	109.4	26,900	25.1	130.6	25,400	34.2	139.2	24,000	125
130																16.0	117.2	24,100	28.1	131.0	22,700	130
135																			20.3	119.8	21,500	135
140																			6.6	98.9	20,400	140

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
25,000 Lb. 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



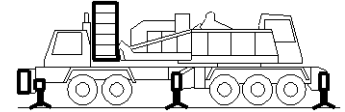
90 Ft. Boom, 100 Ft. Jib

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	62,600 *													70
75	47.7	175.4	43,800 *	53.7	181.3	51,400 *	57.0	183.8	56,900 *	62.2	186.6	55,300										75
80	43.7	170.5	40,100 *	50.0	177.3	46,600 *	53.5	180.3	51,200 *	58.9	183.7	50,900										80
85	39.4	164.9	36,800 *	46.2	172.9	42,500 *	49.9	176.4	46,500 *	55.5	180.5	47,000										85
90	34.7	158.3	34,000 *	42.1	167.7	38,900 *	46.0	171.9	42,400 *	52.0	176.9	43,600	57.4	179.8	41,300							90
95	29.2	150.3	31,400 *	37.6	161.7	35,800 *	41.9	166.7	38,900 *	48.2	172.7	40,700	53.9	176.4	38,400							95
100	22.7	140.0	29,000 *	32.6	154.6	33,100 *	37.4	160.6	35,800 *	44.3	167.9	38,000	50.3	172.5	35,900							100
105	13.5	124.7	25,600 *	26.8	145.8	30,600 *	32.4	153.5	33,000 *	40.0	162.4	35,700	46.4	168.0	33,700	52.0	171.2	31,700				105
110				19.6	134.2	28,300 *	26.6	144.6	30,500 *	35.3	155.9	33,500	42.3	162.9	31,700	48.3	167.1	29,800				110
115				7.1	113.1	24,500 *	19.2	132.8	28,300 *	30.0	148.1	31,600	37.9	157.0	29,800	44.3	162.3	28,100				115
120							6.0	110.4	24,900 *	23.7	138.2	29,700 *	32.9	149.9	28,200	40.1	156.8	26,500	46.0	160.6	24,900	120
125										15.0	124.0	27,400 *	27.2	141.3	26,600	35.4	150.3	25,100	41.9	155.4	23,500	125
130													20.1	129.9	25,200	30.1	142.6	23,700	37.4	149.4	22,300	130
135													8.4	110.2	23,900	23.8	132.7	22,500	32.4	142.2	21,100	135
140																15.2	118.6	21,300	26.6	133.4	20,000	140
145																			19.3	121.6	19,000	145
150																			6.2	99.5	18,000	150

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
 Boom No. 78T With Heavy Lift Top
 95,400 Lb. Crane Counterweight
 25,000 Lb. 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



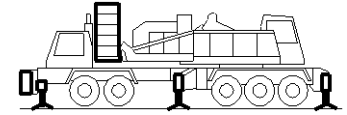
90 Ft. Boom, 110 Ft. Jib

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	56,000 *													75
80	48.9	184.3	40,300 *	54.3	190.0	46,700 *	57.3	192.5	51,300 *	62.0	195.2	50,800										80
85	45.4	179.7	37,000 *	51.0	186.2	42,600 *	54.1	189.1	46,600 *	59.0	192.4	46,900										85
90	41.6	174.4	34,200 *	47.6	181.9	39,100 *	50.9	185.2	42,500 *	55.9	189.2	43,600										90
95	37.5	168.4	31,600 *	43.9	177.0	36,000 *	47.4	180.9	39,000 *	52.7	185.6	40,600	57.6	188.5	38,300							95
100	33.0	161.3	29,400 *	40.0	171.4	33,300 *	43.8	176.0	36,000 *	49.4	181.6	38,000	54.5	185.1	35,800							100
105	27.9	152.8	27,300 *	35.8	165.0	30,800 *	39.9	170.4	33,200 *	45.9	177.0	35,600	51.2	181.3	33,600							105
110	21.6	142.0	25,400 *	31.1	157.4	28,700 *	35.6	163.9	30,800 *	42.1	171.9	33,500	47.8	177.0	31,600	52.8	180.0	29,700				110
115	12.8	125.8	22,500 *	25.6	148.2	26,700 *	30.8	156.3	28,600 *	38.1	165.9	31,600	44.1	172.2	29,800	49.4	176.0	28,000				115
120				18.6	135.9	24,800 *	25.3	146.9	26,600 *	33.6	159.0	29,800	40.3	166.7	28,100	45.9	171.4	26,400				120
125				6.8	113.7	21,600 *	18.3	134.4	24,800 *	28.6	150.7	27,900 *	36.1	160.3	26,600	42.2	166.3	25,000	47.4	169.6	23,400	125
130							5.7	110.9	22,000 *	22.5	140.3	25,900 *	31.4	152.8	25,200	38.1	160.3	23,700	43.8	164.7	22,200	130
135										14.3	125.2	24,100 *	25.9	143.7	23,900	33.7	153.4	22,500	39.9	159.1	21,000	135
140													19.1	131.6	22,700	28.7	145.2	21,300	35.6	152.7	20,000	140
145													8.0	110.9	21,600	22.6	134.8	20,300	30.9	145.1	19,000	145
150																14.5	119.9	19,300	25.4	135.7	18,100	150
155																			18.3	123.2	17,200	155
160																			5.9	100.0	16,300	160

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
25,000 Lb. 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



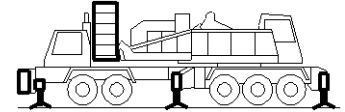
90 Ft. Boom, 120 Ft. Jib

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	46,400 *	61.9	203.9	46,500										85
90	46.7	188.8	34,000 *	51.8	195.0	38,900 *	54.6	197.8	42,400 *	59.1	201.1	43,200										90
95	43.4	183.8	31,500 *	48.7	190.8	35,800 *	51.7	194.0	38,800 *	56.3	197.9	40,200										95
100	39.8	178.1	29,200 *	45.4	186.2	33,100 *	48.5	189.9	35,800 *	53.4	194.4	37,600	57.8	197.1	35,400							100
105	35.9	171.7	27,200 *	42.0	180.9	30,700 *	45.3	185.2	33,100 *	50.3	190.5	35,200	54.9	193.8	33,200							105
110	31.6	164.2	25,400 *	38.3	175.0	28,500 *	41.8	179.9	30,700 *	47.2	186.1	33,100	52.0	190.1	31,200							110
115	26.6	155.2	23,700 *	34.2	168.2	26,600 *	38.1	173.9	28,500 *	43.8	181.2	31,200	48.9	186.0	29,400							115
120	20.7	143.8	22,100 *	29.7	160.2	24,800 *	34.0	167.1	26,600 *	40.2	175.6	29,500	45.6	181.3	27,700	50.4	184.8	26,000				120
125	12.3	126.9	19,600 *	24.5	150.4	23,100 *	29.5	159.0	24,800 *	36.4	169.3	27,800 *	42.2	176.1	26,200	47.2	180.5	24,600				125
130				17.8	137.5	21,600 *	24.2	149.1	23,100 *	32.2	161.9	25,900 *	38.5	170.3	24,800	43.9	175.6	23,300				130
135				6.5	114.3	18,900 *	17.5	136.0	21,600 *	27.3	153.2	24,200 *	34.5	163.5	23,500	40.3	170.0	22,100	45.3	173.9	20,600	135
140							5.5	111.4	19,300 *	21.6	142.2	22,600 *	30.0	155.6	22,400	36.5	163.7	20,900	41.8	168.6	19,500	140
145										13.7	126.5	21,000 *	24.8	145.9	21,300	32.2	156.4	19,900	38.1	162.7	18,600	145
150													18.3	133.3	20,200	27.4	147.7	18,900	34.1	155.8	17,600	150
155													7.6	111.5	19,200	21.7	136.7	18,000	29.5	147.8	16,800	155
160																13.8	121.1	17,200	24.3	137.9	16,000	160
165																			17.6	124.8	15,200	165
170																			5.7	100.5	14,500	170

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
 Boom No. 78T With Heavy Lift Top
 95,400 Lb. Crane Counterweight
 25,000 Lb. 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



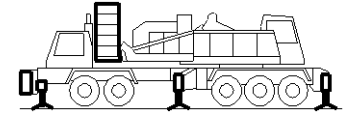
90 Ft. Boom, 130 Ft. Jib

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	41,100 *										90
95	47.8	197.8	31,600 *	52.5	203.8	35,800 *	55.1	206.5	37,300 *	59.2	209.7	39,600 *										95
100	44.8	193.0	29,300 *	49.6	199.7	33,200 *	52.3	202.8	35,800 *	56.6	206.6	37,300 *										100
105	41.6	187.7	27,300 *	46.7	195.2	30,800 *	49.5	198.8	33,200 *	53.9	203.1	35,000 *	58.0	205.8	32,900 *							105
110	38.1	181.7	25,400 *	43.5	190.3	28,600 *	46.5	194.3	30,800 *	51.1	199.3	32,800 *	55.3	202.5	30,900 *							110
115	34.4	174.9	23,700 *	40.2	184.7	26,700 *	43.4	189.2	28,600 *	48.2	195.0	30,900 *	52.6	198.9	29,100 *							115
120	30.3	167.0	22,200 *	36.7	178.4	24,900 *	40.1	183.6	26,600 *	45.2	190.3	29,200 *	49.8	194.9	27,400 *							120
125	25.6	157.5	20,800 *	32.8	171.2	23,200 *	36.5	177.3	24,900 *	42.0	185.1	27,600 *	46.8	190.4	25,900 *	51.2	193.7	24,300 *				125
130	19.9	145.6	19,400 *	28.5	162.8	21,700 *	32.7	170.1	23,200 *	38.6	179.2	26,000 *	43.7	185.4	24,500 *	48.3	189.4	23,000 *				130
135	11.8	128.0	17,200 *	23.5	152.5	20,300 *	28.3	161.6	21,700 *	34.9	172.5	24,200 *	40.4	179.9	23,300 *	45.3	184.7	21,800 *				135
140				17.1	139.0	19,000 *	23.2	151.2	20,300 *	30.9	164.8	22,700 *	36.9	173.7	22,100 *	42.1	179.5	20,600 *	46.5	183.0	19,200 *	140
145				6.3	114.9	16,700 *	16.8	137.5	19,000 *	26.2	155.6	21,200 *	33.1	166.5	21,000 *	38.7	173.6	19,600 *	43.4	178.0	18,300 *	145
150							5.3	111.9	17,000 *	20.7	144.1	19,900 *	28.8	158.2	20,000 *	35.0	166.9	18,700 *	40.1	172.4	17,400 *	150
155										13.1	127.6	18,500 *	23.8	148.1	19,000 *	30.9	159.2	17,800 *	36.6	166.1	16,500 *	155
160													17.6	134.8	18,100 *	26.3	150.1	16,900 *	32.7	158.8	15,700 *	160
165													7.3	112.2	17,300 *	20.8	138.6	16,100 *	28.4	150.3	15,000 *	165
170																13.3	122.3	15,400 *	23.3	140.0	14,300 *	170
180																			5.5	101.0	12,900 *	180

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
25,000 Lb. Front Bumper Counterweight
360 Degree Rating On Fully Extended Outriggers

Designed And Tested
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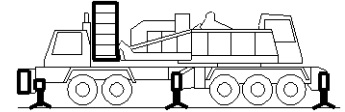
90 Ft. Boom, 140 Ft. Jib

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	34,600 *										100
105	46.0	202.1	27,100 *	50.4	208.6	29,800 *	52.9	211.6	31,100 *	56.8	215.3	33,200 *										105
110	43.1	197.0	25,200 *	47.7	204.2	28,400 *	50.3	207.6	29,800 *	54.4	211.9	31,800 *										110
115	40.0	191.4	23,600 *	44.9	199.5	26,400 *	47.6	203.3	28,400 *	51.8	208.1	30,500 *	55.7	211.2	28,700							115
120	36.7	185.1	22,000 *	41.9	194.2	24,700 *	44.7	198.5	26,400 *	49.1	204.0	28,800	53.2	207.6	27,000							120
125	33.1	177.9	20,600 *	38.7	188.3	23,000 *	41.8	193.1	24,600 *	46.4	199.4	27,200	50.6	203.7	25,500							125
130	29.2	169.6	19,300 *	35.3	181.6	21,600 *	38.6	187.2	23,000 *	43.5	194.4	25,700 *	47.9	199.4	24,100	51.8	202.5	22,500				130
135	24.6	159.8	18,100 *	31.6	174.1	20,200 *	35.2	180.6	21,600 *	40.4	188.8	24,000 *	45.0	194.6	22,900	49.2	198.4	21,300				135
140	19.1	147.3	16,900 *	27.5	165.2	18,900 *	31.4	172.9	20,200 *	37.1	182.6	22,500 *	42.1	189.4	21,700	46.4	193.8	20,200				140
145	11.4	129.0	15,000 *	22.6	154.5	17,700 *	27.3	164.1	18,900 *	33.6	175.6	21,100 *	38.9	183.5	20,600	43.5	188.8	19,200	47.6	192.0	17,800	145
150				16.5	140.5	16,600 *	22.4	153.2	17,700 *	29.7	167.5	19,700 *	35.5	176.9	19,600	40.5	183.3	18,300	44.8	187.2	16,900	150
155				6.0	115.4	14,600 *	16.2	139.0	16,600 *	25.3	157.9	18,500 *	31.8	169.4	18,700	37.2	177.0	17,400	41.8	181.9	16,100	155
160							5.1	112.4	14,900 *	20.0	145.9	17,300 *	27.7	160.7	17,800	33.7	170.0	16,500	38.6	176.0	15,300	160
165										12.7	128.8	16,200 *	22.9	150.1	17,000	29.8	161.9	15,800	35.2	169.3	14,600	165
170													16.9	136.3	16,200	25.4	152.4	15,000	31.5	161.7	13,900	170
180																12.8	123.4	13,700	22.4	142.0	12,600	180
190																			5.3	101.5	11,400	190

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
 Boom No. 78T With Heavy Lift Top
 95,400 Lb. Crane Counterweight
 25,000 Lb. 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



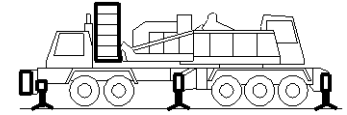
90 Ft. Boom, 150 Ft. Jib

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	26,900							120
125	38.6	195.0	20,600 *	43.3	203.5	22,500 *	45.9	207.6	23,600 *	49.9	212.8	25,300 *	53.6	216.4	25,400							125
130	35.4	188.3	19,400 *	40.4	197.9	21,500 *	43.1	202.5	22,500 *	47.4	208.4	24,200 *	51.2	212.5	24,000							130
135	32.0	180.8	18,200 *	37.4	191.7	20,200 *	40.3	196.9	21,500 *	44.7	203.6	23,100 *	48.7	208.3	22,800	52.4	211.3	21,200				135
140	28.2	172.2	17,100 *	34.1	184.8	19,000 *	37.2	190.7	20,200 *	41.9	198.3	22,100 *	46.1	203.7	21,600	50.0	207.2	20,100				140
145	23.8	161.9	16,000 *	30.5	176.9	17,800 *	33.9	183.7	19,000 *	39.0	192.5	21,100 *	43.4	198.7	20,500	47.4	202.8	19,100				145
150	18.5	149.0	15,000 *	26.5	167.6	16,700 *	30.3	175.7	17,800 *	35.8	185.9	19,800 *	40.6	193.1	19,500	44.8	198.0	18,100				150
155	11.0	130.0	13,300 *	21.9	156.5	15,700 *	26.3	166.4	16,700 *	32.4	178.5	18,600 *	37.5	187.0	18,600	42.0	192.7	17,300	45.9	196.3	16,000	155
160				16.0	141.9	14,700 *	21.6	155.2	15,700 *	28.7	170.1	17,400 *	34.3	180.1	17,700	39.0	186.9	16,400	43.2	191.2	15,200	160
165				5.8	115.9	12,900 *	15.6	140.4	14,700 *	24.4	160.1	16,400 *	30.7	172.2	16,900	35.9	180.3	15,700	40.3	185.6	14,500	165
170							4.9	112.8	13,300 *	19.3	147.6	15,400 *	26.8	163.1	16,100	32.5	173.0	14,900	37.2	179.4	13,800	170
180													16.4	137.8	14,700	24.5	154.6	13,600	30.4	164.5	12,500	180
190																12.4	124.5	12,400	21.7	144.0	11,400	190
200																			5.1	101.9	10,300	200

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
25,000 Lb. 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



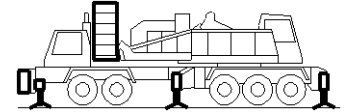
90 Ft. Boom, 160 Ft. Jib

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	24,100 *							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	22,900 *							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	21,800 *							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	20,800 *	52.9	220.0	19,700				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	19,800 *	50.6	216.1	18,700				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	18,800 *	48.3	211.8	17,700				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	17,900 *	45.8	207.1	16,900				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	17,000 *	43.3	202.1	16,000	46.9	205.4	14,800	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	16,100 *	40.6	196.5	15,300	44.4	200.5	14,000	165
170				15.4	143.3	12,600 *	20.9	157.1	13,200 *	27.8	172.6	14,200 *	33.2	183.1	15,300 *	37.7	190.4	14,500	41.7	195.1	13,400	170
180							4.8	113.2	11,600 *	18.7	149.3	12,900 *	25.9	165.5	13,900 *	31.4	175.9	13,200	36.0	182.7	12,100	180
190													15.8	139.2	12,700 *	23.7	156.7	12,000	29.4	167.1	11,000	190
200																12.0	125.6	11,000	21.0	145.9	10,000	200
210																			4.9	102.4	9,000	210

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
 Boom No. 78T With Heavy Lift Top
 95,400 Lb. Crane Counterweight
 25,000 Lb. 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



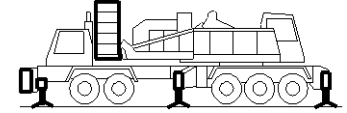
90 Ft. Boom, 170 Ft. Jib

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	17,400				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	16,600				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	15,700				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	15,000	47.7	214.3	13,700	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	14,300	45.4	209.6	13,100	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	12,900 *	40.4	198.9	11,800	180
190							4.6	113.6	8,000 *	18.1	150.9	9,000 *	25.1	167.7	10,200 *	30.5	178.6	11,500 *	34.9	185.9	10,700	190
200													15.4	140.6	8,700 *	23.0	158.8	9,800 *	28.5	169.7	9,700	200
210																11.6	126.6	8,400 *	20.3	147.7	8,800	210
220																			4.8	102.8	7,900	220

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
25,000 Lb. 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



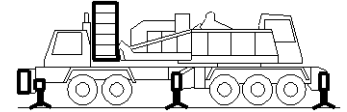
100 Ft. Boom, 70 Ft. Jib

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	75,400 *													60
65	35.6	152.2	53,300 *	46.7	161.6	65,400 *	52.4	165.2	69,300 *	60.9	168.9	66,600 *b										65
70	27.8	144.1	48,000 *	40.8	156.3	58,200 *	47.0	161.0	63,600 *	56.1	165.9	60,800										70
75	17.1	132.0	41,500 *	34.0	149.8	52,300 *	41.1	155.8	58,800 *	51.0	162.2	55,600										75
80				25.8	141.1	47,200 *	34.5	149.4	52,700 *	45.6	157.7	51,200	54.6	162.1	48,300							80
85				13.7	127.2	41,300 *	26.4	140.9	47,600 *	39.5	152.3	47,400	49.4	158.2	44,700							85
90							14.7	127.5	43,000 *	32.5	145.4	44,000	43.8	153.4	41,500	52.8	157.3	39,000				90
95										23.9	136.1	41,000	37.5	147.6	38,700	47.5	153.1	36,400				95
100										9.7	119.5	38,300	30.2	140.2	36,200	41.7	148.0	34,000				100
105													20.6	129.6	33,900	35.1	141.7	31,900	45.1	146.9	29,900	105
110																27.1	133.4	30,000	39.0	141.3	28,100	110
115																16.0	120.8	28,200	31.9	134.3	26,500	115
120																			23.1	124.7	25,000	120
125																			7.5	106.4	23,600	125

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
 Boom No. 78T With Heavy Lift Top
 95,400 Lb. Crane Counterweight
 25,000 Lb. 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



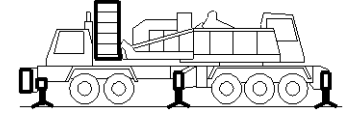
100 Ft. Boom, 80 Ft. Jib

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	73,800 *													60
65	44.7	167.6	53,500 *	53.1	174.6	65,500 *	57.7	177.4	68,700 *													65
70	39.3	162.1	48,300 *	48.5	170.5	58,400 *	53.4	174.0	63,100 *	60.8	177.6	60,400										70
75	33.2	155.3	43,900 *	43.5	165.7	52,500 *	48.8	169.9	58,200 *	56.6	174.6	55,200										75
80	26.0	146.5	40,000 *	38.0	159.9	47,500 *	43.8	165.2	52,900 *	52.2	171.0	50,800										80
85	16.0	133.4	35,000 *	31.8	152.7	43,200 *	38.4	159.4	47,900 *	47.5	166.8	47,000	55.3	170.8	44,200							85
90				24.1	143.3	39,400 *	32.2	152.4	43,500 *	42.5	161.8	43,600	50.8	167.0	41,000							90
95				12.8	128.4	34,900 *	24.6	143.1	39,700 *	36.9	155.7	40,700	46.1	162.6	38,200							95
100							13.7	128.8	36,200 *	30.4	148.2	38,000	40.9	157.3	35,800	49.2	162.0	33,500				100
105										22.3	138.1	35,700	35.0	150.9	33,500	44.3	157.3	31,400				105
110										9.0	120.3	33,500	28.2	142.8	31,500	38.9	151.7	29,600	47.1	155.9	27,600	110
115													19.3	131.4	29,700	32.7	144.7	27,800	42.0	150.8	26,000	115
120																25.4	135.7	26,300	36.4	144.7	24,600	120
125																15.0	122.1	24,800	29.8	137.1	23,200	125
130																			21.6	126.7	22,000	130
135																			7.0	107.0	20,800	135

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
25,000 Lb. 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



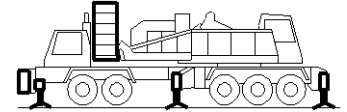
100 Ft. Boom, 90 Ft. Jib

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	67,300 *													65
70	46.5	176.7	48,700 *	53.9	183.3	58,800 *	58.0	186.1	63,000 *													70
75	42.0	171.6	44,300 *	49.9	179.4	52,900 *	54.1	182.7	58,100 *	60.7	186.3	54,900										75
80	37.0	165.5	40,500 *	45.6	174.9	47,900 *	50.1	178.8	53,300 *	57.0	183.2	50,500										80
85	31.3	158.2	37,100 *	40.9	169.6	43,600 *	45.8	174.3	48,200 *	53.1	179.7	46,700										85
90	24.5	148.7	34,100 *	35.8	163.2	39,900 *	41.2	169.1	43,900 *	49.0	175.7	43,400	55.9	179.5	40,700							90
95	15.1	134.8	30,000 *	29.9	155.5	36,600 *	36.1	162.8	40,200 *	44.7	171.0	40,400	51.9	175.8	38,000							95
100				22.7	145.4	33,700 *	30.3	155.2	36,900 *	39.9	165.5	37,800	47.8	171.6	35,500							100
105				12.1	129.5	30,100 *	23.2	145.2	33,900 *	34.7	159.0	35,500	43.3	166.7	33,300	50.5	170.9	31,100				105
110							13.0	129.9	31,200 *	28.6	150.9	33,400	38.4	160.9	31,300	46.2	166.4	29,300				110
115										21.0	140.0	31,400	33.0	153.9	29,500	41.6	161.2	27,600				115
120										8.5	121.1	29,600	26.5	145.2	27,800	36.6	155.1	26,000	44.3	160.1	24,300	120
125													18.2	133.0	26,300	30.8	147.6	24,600	39.5	154.6	22,900	125
130																23.9	137.9	23,300	34.2	147.9	21,700	130
135																14.1	123.4	22,100	28.1	139.6	20,600	135
140																			20.3	128.5	19,500	140
145																			6.6	107.6	18,500	145

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
 Boom No. 78T With Heavy Lift Top
 95,400 Lb. Crane Counterweight
 25,000 Lb. 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



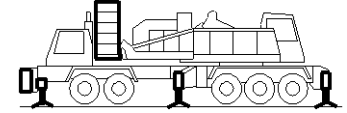
100 Ft. Boom, 100 Ft. Jib

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	65,500 *													65
70	51.8	189.9	48,600 *	58.0	195.4	58,700 *	61.5	197.7	62,100 *													70
75	48.0	185.7	44,200 *	54.5	192.1	52,800 *	58.2	194.7	57,600 *													75
80	44.0	180.9	40,400 *	50.9	188.3	47,800 *	54.8	191.4	53,200 *	60.7	194.9	50,100										80
85	39.7	175.3	37,100 *	47.2	183.9	43,500 *	51.2	187.7	48,100 *	57.3	191.9	46,300										85
90	35.0	168.8	34,200 *	43.1	179.0	39,800 *	47.4	183.4	43,800 *	53.8	188.5	43,000										90
95	29.7	160.9	31,600 *	38.7	173.2	36,600 *	43.4	178.4	40,100 *	50.2	184.6	40,000	56.3	188.2	37,500							95
100	23.2	150.8	29,200 *	33.9	166.4	33,800 *	39.0	172.7	36,900 *	46.4	180.1	37,400	52.8	184.6	35,100							100
105	14.3	136.1	25,900 *	28.4	158.1	31,200 *	34.2	166.0	34,000 *	42.3	175.0	35,100	49.1	180.5	32,900							105
110				21.6	147.4	28,900 *	28.7	157.8	31,500 *	37.8	169.0	33,000	45.2	175.9	30,900	51.5	179.7	28,800				110
115				11.5	130.5	26,000 *	22.0	147.2	29,100 *	32.9	162.0	31,100	41.0	170.5	29,100	47.7	175.4	27,100				115
120							12.3	131.0	26,900 *	27.1	153.3	29,400	36.4	164.3	27,500	43.7	170.6	25,600				120
125										19.9	141.8	27,800	31.2	156.8	26,000	39.4	164.9	24,200	46.0	169.3	22,500	125
130										8.1	121.8	26,300	25.2	147.5	24,600	34.6	158.3	22,900	41.9	164.1	21,200	130
135													17.2	134.6	23,300	29.2	150.3	21,700	37.4	158.1	20,100	135
140																22.6	140.0	20,600	32.4	150.9	19,100	140
145																13.4	124.6	19,600	26.6	142.1	18,100	145
150																			19.3	130.2	17,200	150
155																			6.2	108.1	16,300	155

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
25,000 Lb. 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



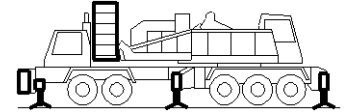
100 Ft. Boom, 110 Ft. Jib

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	56,700 *													75
80	49.2	194.6	40,600 *	55.1	200.8	47,900 *	58.4	203.4	53,100													80
85	45.6	190.1	37,300 *	51.8	197.1	43,600 *	55.2	200.1	48,300 *	60.6	203.6	46,200										85
90	41.9	184.8	34,400 *	48.4	192.9	40,000 *	52.0	196.5	44,000 *	57.6	200.6	42,900										90
95	37.8	178.8	31,900 *	44.8	188.2	36,800 *	48.6	192.3	40,300 *	54.4	197.2	40,000										95
100	33.3	171.8	29,600 *	41.0	182.8	34,000 *	45.1	187.6	37,100 *	51.1	193.4	37,400	56.6	196.8	35,000							100
105	28.2	163.5	27,500 *	36.9	176.6	31,500 *	41.2	182.3	34,200 *	47.7	189.1	35,000	53.4	193.3	32,800							105
110	22.1	152.8	25,600 *	32.3	169.3	29,200 *	37.1	176.2	31,700 *	44.1	184.3	32,900	50.1	189.4	30,800							110
115	13.6	137.3	22,700 *	27.0	160.6	27,200 *	32.6	169.0	29,400 *	40.2	178.8	31,100	46.6	185.0	29,000	52.3	188.5	27,000				115
120				20.5	149.2	25,300 *	27.3	160.3	27,400 *	36.0	172.4	29,300	43.0	179.9	27,400	48.9	184.4	25,500				120
125				10.9	131.5	22,900 *	21.0	149.1	25,500 *	31.3	164.9	27,800	39.0	174.2	25,900	45.4	179.7	24,100				125
130							11.7	132.1	23,600 *	25.8	155.7	26,300	34.6	167.5	24,600	41.6	174.5	22,800	47.4	178.3	21,200	130
135										19.0	143.6	25,000	29.7	159.5	23,300	37.5	168.4	21,700	43.8	173.4	20,100	135
140										7.7	122.5	23,300 *	24.0	149.7	22,100	33.0	161.3	20,600	39.9	167.8	19,000	140
145													16.4	136.1	21,000	27.8	152.8	19,600	35.6	161.3	18,100	145
150																21.6	141.9	18,600	30.9	153.7	17,200	150
155																12.7	125.7	17,700	25.4	144.4	16,400	155
160																			18.3	131.9	15,600	160
165																			5.9	108.7	14,800	165

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
 Boom No. 78T With Heavy Lift Top
 95,400 Lb. Crane Counterweight
 25,000 Lb. Front Bumper Counterweight
 360 Degree Rating On Fully Extended Outriggers

Designed And Tested
 With The Intent To Be In
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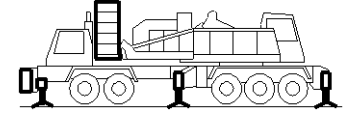
100 Ft. Boom, 120 Ft. Jib

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	50,200 *													80
85	50.1	203.5	37,100 *	55.5	209.5	43,500 *	58.5	212.1	48,100 *													85
90	47.0	199.1	34,300 *	52.5	205.8	39,800 *	55.6	208.8	43,800 *	60.5	212.2	42,500										90
95	43.6	194.2	31,700 *	49.5	201.8	36,600 *	52.7	205.2	40,100 *	57.8	209.3	39,600										95
100	40.0	188.6	29,500 *	46.2	197.3	33,800 *	49.6	201.2	36,900 *	54.9	205.9	37,000										100
105	36.1	182.2	27,400 *	42.8	192.2	31,300 *	46.4	196.7	34,100 *	51.9	202.2	34,600	56.9	205.5	32,300							105
110	31.9	174.8	25,500 *	39.2	186.4	29,100 *	43.0	191.7	31,600 *	48.8	198.1	32,600	54.0	202.1	30,400							110
115	27.0	165.9	23,800 *	35.2	179.9	27,100 *	39.4	186.0	29,300 *	45.6	193.4	30,700	51.0	198.2	28,600							115
120	21.2	154.7	22,200 *	30.9	172.2	25,300 *	35.5	179.4	27,300 *	42.1	188.2	29,000	47.9	194.0	27,000	53.0	197.3	25,100				120
125	13.0	138.5	19,800 *	25.8	162.9	23,600 *	31.1	171.8	25,400 *	38.4	182.3	27,400	44.6	189.2	25,500	49.9	193.3	23,700				125
130				19.7	151.0	22,000 *	26.2	162.7	23,800 *	34.4	175.6	26,000	41.0	183.8	24,200	46.7	188.8	22,400				130
135				10.5	132.4	20,000 *	20.1	151.0	22,200 *	29.9	167.6	24,600	37.3	177.6	22,900	43.3	183.8	21,200				135
140							11.2	133.1	20,600 *	24.7	157.9	23,400 *	33.1	170.5	21,800	39.7	178.2	20,100	45.3	182.6	18,600	140
145										18.2	145.2	21,900 *	28.4	162.1	20,700	35.8	171.7	19,100	41.8	177.3	17,600	145
150										7.4	123.2	20,300 *	22.9	151.7	19,700	31.5	164.2	18,200	38.1	171.3	16,800	150
155													15.7	137.5	18,700	26.6	155.2	17,300	34.1	164.5	15,900	155
160																20.6	143.8	16,500	29.5	156.4	15,200	160
165																12.2	126.8	15,700	24.3	146.6	14,500	165
170																			17.6	133.5	13,800	170

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
25,000 Lb. 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



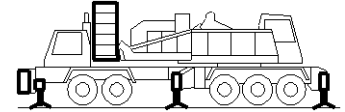
100 Ft. Boom, 130 Ft. Jib

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	41,800 *										90
95	48.0	208.1	31,800 *	53.1	214.6	36,200 *	56.0	217.5	37,900 *	60.5	220.9	39,300										95
100	45.0	203.3	29,500 *	50.3	210.7	34,000 *	53.3	214.0	36,300 *	57.9	217.9	36,700										100
105	41.8	198.1	27,500 *	47.4	206.3	31,400 *	50.5	210.1	34,200 *	55.3	214.6	34,400										105
110	38.4	192.1	25,600 *	44.3	201.4	29,200 *	47.6	205.7	31,700 *	52.6	211.0	32,300	57.2	214.2	30,100							110
115	34.7	185.4	23,900 *	41.1	196.0	27,200 *	44.5	200.9	29,400 *	49.7	207.0	30,400	54.5	210.8	28,300							115
120	30.6	177.6	22,400 *	37.6	189.9	25,400 *	41.3	195.5	27,400 *	46.8	202.5	28,700	51.7	207.0	26,700							120
125	25.9	168.3	20,900 *	33.8	183.0	23,700 *	37.8	189.5	25,500 *	43.7	197.5	27,100	48.9	202.9	25,200							125
130	20.3	156.6	19,600 *	29.6	174.9	22,200 *	34.1	182.6	23,800 *	40.4	192.0	25,700	45.9	198.3	23,900	50.7	202.1	22,100				130
135	12.5	139.6	17,400 *	24.8	165.2	20,700 *	29.9	174.5	22,300 *	36.9	185.7	24,400	42.7	193.2	22,600	47.8	197.8	20,900				135
140				18.9	152.7	19,400 *	25.1	164.9	20,900 *	33.0	178.6	23,200	39.4	187.4	21,500	44.8	193.0	19,900				140
145				10.0	133.3	17,700 *	19.3	152.7	19,500 *	28.7	170.2	22,000 *	35.7	180.9	20,400	41.5	187.7	18,900	46.5	191.6	17,300	145
150							10.8	134.1	18,200 *	23.7	160.1	20,600 *	31.8	173.4	19,400	38.1	181.7	17,900	43.4	186.6	16,500	150
155										17.5	146.8	19,300 *	27.3	164.6	18,500	34.4	174.9	17,100	40.1	181.0	15,600	155
160										7.1	123.8	17,900 *	22.0	153.7	17,600	30.3	167.0	16,200	36.6	174.7	14,900	160
165													15.1	138.8	16,800	25.5	157.5	15,500	32.7	167.5	14,200	165
170																19.8	145.6	14,800	28.4	159.0	13,500	170
180																			16.9	135.0	12,300	180

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
 Boom No. 78T With Heavy Lift Top
 95,400 Lb. Crane Counterweight
 25,000 Lb. 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



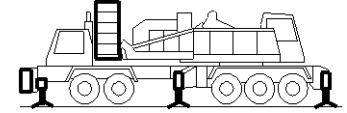
100 Ft. Boom, 140 Ft. Jib

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	36,700 *										95
100	49.0	217.0	28,900 *	53.6	223.4	31,500 *	56.3	226.2	33,100 *	60.5	229.6	35,300 *										100
105	46.2	212.4	27,300 *	51.1	219.5	30,200 *	53.8	222.7	31,700 *	58.1	226.6	33,900 *										105
110	43.3	207.4	25,400 *	48.4	215.3	28,900 *	51.2	218.9	30,300 *	55.6	223.3	31,900										110
115	40.2	201.8	23,700 *	45.6	210.6	27,000 *	48.5	214.7	29,000 *	53.1	219.7	30,000	57.4	222.9	27,900							115
120	36.9	195.5	22,200 *	42.6	205.4	25,100 *	45.7	210.0	27,100 *	50.5	215.8	28,300	54.9	219.5	26,300							120
125	33.4	188.4	20,800 *	39.5	199.7	23,500 *	42.8	204.9	25,300 *	47.8	211.5	26,800	52.4	215.8	24,800							125
130	29.5	180.2	19,500 *	36.2	193.3	22,000 *	39.7	199.2	23,600 *	45.0	206.7	25,300	49.7	211.8	23,500							130
135	25.0	170.5	18,200 *	32.6	185.9	20,600 *	36.4	192.8	22,100 *	42.0	201.5	24,000	47.0	207.3	22,200	51.4	210.9	20,500				135
140	19.6	158.3	17,100 *	28.5	177.5	19,300 *	32.8	185.6	20,700 *	38.9	195.6	22,800	44.1	202.4	21,100	48.8	206.7	19,400				140
145	12.1	140.7	15,200 *	23.9	167.3	18,100 *	28.8	177.2	19,400 *	35.5	189.0	21,700	41.1	197.0	20,000	46.0	202.1	18,400				145
150				18.2	154.3	16,900 *	24.2	167.1	18,200 *	31.8	181.5	20,500 *	37.9	190.9	19,000	43.1	197.1	17,500	47.6	200.6	16,000	150
155				9.7	134.2	15,400 *	18.6	154.4	17,000 *	27.7	172.7	19,200 *	34.4	184.1	18,100	40.0	191.4	16,600	44.8	195.8	15,200	155
160							10.4	135.0	15,900 *	22.9	162.1	18,000 *	30.6	176.2	17,300	36.7	185.1	15,800	41.8	190.5	14,500	160
165										16.8	148.3	16,800 *	26.3	167.0	16,500	33.1	177.9	15,100	38.6	184.6	13,700	165
170										6.8	124.4	15,700 *	21.2	155.6	15,700	29.1	169.6	14,400	35.2	178.0	13,100	170
180																19.1	147.3	13,100	27.3	161.5	11,900	180
190																			16.2	136.4	10,800	190

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
25,000 Lb. 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



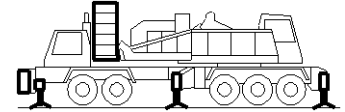
100 Ft. Boom, 150 Ft. Jib

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	29,700 *										110
115	44.5	216.6	22,900 *	49.2	224.2	25,100 *	51.8	227.7	26,400 *	55.9	232.0	28,400 *										115
120	41.8	211.3	21,900 *	46.6	219.7	23,900 *	49.4	223.6	25,200 *	53.6	228.5	27,200 *	57.5	231.5	26,100							120
125	38.8	205.4	20,800 *	43.9	214.7	22,800 *	46.8	219.1	24,000 *	51.2	224.6	26,000 *	55.2	228.2	24,700							125
130	35.6	198.8	19,500 *	41.1	209.3	21,800 *	44.1	214.2	22,900 *	48.7	220.4	24,800 *	52.9	224.6	23,300							130
135	32.2	191.4	18,300 *	38.1	203.2	20,600 *	41.3	208.7	21,900 *	46.1	215.8	23,700 *	50.5	220.6	22,100							135
140	28.4	182.8	17,200 *	34.9	196.5	19,300 *	38.3	202.7	20,700 *	43.4	210.8	22,700 *	47.9	216.3	21,000	52.0	219.7	19,300				140
145	24.1	172.7	16,100 *	31.4	188.8	18,100 *	35.1	196.0	19,400 *	40.5	205.2	21,600	45.3	211.6	19,900	49.6	215.6	18,300				145
150	18.9	160.0	15,100 *	27.5	180.0	17,000 *	31.6	188.4	18,300 *	37.5	199.1	20,500 *	42.5	206.4	18,900	47.0	211.2	17,400				150
155	11.7	141.7	13,400 *	23.1	169.4	16,000 *	27.8	179.7	17,200 *	34.2	192.1	19,200 *	39.6	200.7	18,000	44.3	206.3	16,500				155
160				17.6	155.9	15,000 *	23.4	169.2	16,100 *	30.7	184.3	18,000 *	36.5	194.3	17,200	41.5	200.9	15,700	45.9	205.0	14,300	160
165				9.4	135.0	13,700 *	17.9	156.0	15,100 *	26.7	175.1	17,000 *	33.2	187.1	16,400	38.6	195.0	15,000	43.2	199.9	13,600	165
170							10.0	135.9	14,100 *	22.1	164.1	15,900 *	29.5	178.9	15,600	35.4	188.3	14,300	40.3	194.3	13,000	170
180										6.6	125.0	13,900 *	20.5	157.5	14,200	28.1	172.2	13,000	34.0	181.1	11,800	180
190																18.4	148.9	11,800	26.4	163.9	10,700	190
200																			15.7	137.8	9,700	200

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
 Boom No. 78T With Heavy Lift Top
 95,400 Lb. Crane Counterweight
 25,000 Lb. 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



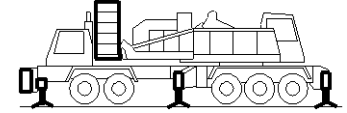
100 Ft. Boom, 160 Ft. Jib

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	24,300							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	22,900							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	21,700							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	20,600							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	19,500	52.5	228.5	17,900				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	18,500	50.3	224.5	17,000				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	17,600	47.9	220.2	16,100				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	16,800	45.4	215.4	15,300				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	16,000	42.9	210.3	14,600	46.9	214.0	13,200	165
170				17.0	157.4	12,800 *	22.6	171.3	13,400 *	29.7	187.0	14,600 *	35.3	197.5	15,200	40.2	204.6	13,900	44.4	209.1	12,500	170
180							9.7	136.7	12,200 *	21.4	166.0	13,300 *	28.6	181.5	13,900	34.2	191.5	12,600	39.0	197.9	11,300	180
190										6.4	125.5	12,000 *	19.8	159.3	12,700	27.2	174.6	11,500	32.9	184.1	10,300	190
200																17.9	150.5	10,400	25.5	166.2	9,300	200
210																			15.2	139.2	8,400	210

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
25,000 Lb. 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	21,400 *							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	20,300 *							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	19,300 *							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	18,400 *							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	17,400 *	53.0	237.3	16,700				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	16,500 *	50.9	233.3	15,800				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	15,600 *	48.7	229.1	15,000				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	14,800 *	46.4	224.5	14,300				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	13,900 *	44.0	219.6	13,600	47.7	223.0	12,200	170
180				16.5	158.9	8,900 *	21.9	173.2	9,600 *	28.8	189.6	11,100 *	34.3	200.7	12,400 *	38.9	208.2	12,300	43.0	213.1	11,000	180
190							9.4	137.6	8,300 *	20.7	167.9	9,400 *	27.7	184.0	10,800 *	33.2	194.5	11,200	37.8	201.4	10,000	190
200										6.2	126.1	8,100 *	19.2	161.0	9,200 *	26.4	177.0	10,100	31.8	187.0	9,000	200
210																17.3	152.1	9,000 *	24.7	168.4	8,200	210
220																			14.7	140.5	7,400	220

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On

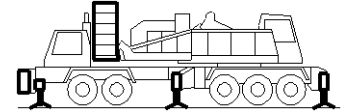
Boom No. 78T With Heavy Lift Top

95,400 Lb. Crane Counterweight

25,000 Lb. 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



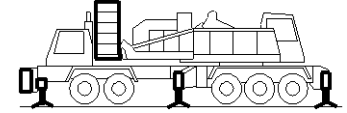
110 Ft. Boom, 70 Ft. Jib

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	67,300 *													65
70	28.4	154.7	48,400 *	42.3	167.6	59,900 *	48.9	172.4	62,300 *	58.7	177.2	59,900										70
75	18.0	143.1	42,100 *	35.8	161.5	53,700 *	43.3	167.6	57,600 *	53.7	173.8	54,800										75
80				28.0	153.4	48,400 *	36.9	161.6	53,400 *	48.5	169.8	50,400	58.0	173.7	47,200							80
85				17.4	141.5	43,600 *	29.4	154.0	49,300 *	42.7	164.9	46,600	53.0	170.3	43,600							85
90							19.5	143.0	44,600 *	36.3	158.8	43,300	47.7	166.2	40,500							90
95										28.7	151.0	40,400	41.9	161.1	37,800	52.0	165.7	35,200				95
100										18.4	139.5	37,700	35.4	154.9	35,300	46.6	161.4	32,900				100
105													27.5	146.7	33,100	40.7	156.2	30,900				105
110													16.6	134.3	31,100	34.0	149.6	29,000	45.1	155.5	26,900	110
115																25.7	140.9	27,300	39.0	150.0	25,400	115
120																13.5	126.9	25,800	31.9	143.0	24,000	120
125																			23.1	133.3	22,600	125
130																			7.5	115.0	21,400	130

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
25,000 Lb. 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



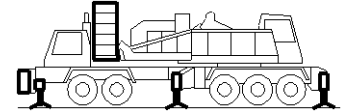
110 Ft. Boom, 80 Ft. Jib

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	77,000 *	66.6	194.0	80,700 *b																50
55	54.4	186.5	67,600 *	62.6	191.6	75,800 *	67.2	193.4	74,400 *b													55
60	49.9	182.6	60,100 *	58.5	188.8	71,300 *	63.3	191.1	70,000 *													60
65	45.0	178.0	53,900 *	54.2	185.4	66,100 *	59.2	188.3	66,000 *													65
70	39.7	172.5	48,700 *	49.7	181.5	60,000 *	54.9	185.1	61,700 *	62.9	188.6	59,400										70
75	33.7	165.8	44,200 *	44.8	176.9	53,800 *	50.4	181.3	57,000 *	58.8	185.8	54,300										75
80	26.6	157.2	40,300 *	39.4	171.4	48,700 *	45.6	176.8	52,900 *	54.5	182.6	50,000										80
85	16.9	144.6	35,500 *	33.4	164.6	44,200 *	40.3	171.4	49,300 *	50.0	178.7	46,200										85
90				26.2	155.8	40,300 *	34.4	164.9	45,000 *	45.2	174.1	42,900	53.9	179.0	40,100							90
95				16.3	143.0	36,800 *	27.5	156.5	41,000 *	39.8	168.7	40,000	49.4	175.1	37,300							95
100							18.3	144.7	37,500 *	33.9	162.0	37,400	44.5	170.4	34,900							100
105										26.8	153.5	35,100	39.1	164.8	32,700	48.4	170.4	30,400				105
110										17.2	141.1	33,000	33.0	157.9	30,800	43.5	165.6	28,600				110
115													25.7	149.1	29,000	38.0	159.8	26,900	47.1	164.6	24,900	115
120													15.5	135.7	27,300	31.7	152.6	25,400	42.0	159.5	23,500	120
125																24.0	143.1	24,000	36.4	153.4	22,200	125
130																12.6	128.0	22,700	29.8	145.7	21,000	130
135																			21.6	135.3	19,900	135
140																			7.0	115.6	18,800	140

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
 Boom No. 78T With Heavy Lift Top
 95,400 Lb. Crane Counterweight
 25,000 Lb. 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



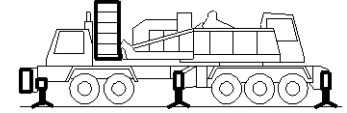
110 Ft. Boom, 90 Ft. Jib

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	60,500 *													70
75	42.3	182.0	44,600 *	50.9	190.4	54,300 *	55.5	193.8	56,900 *	62.6	197.3	54,000										75
80	37.3	176.0	40,800 *	46.6	186.0	49,000 *	51.5	190.1	52,700 *	59.0	194.5	49,700										80
85	31.7	168.7	37,400 *	42.1	180.9	44,600 *	47.4	185.8	49,100 *	55.2	191.3	45,900										85
90	25.0	159.5	34,400 *	37.1	174.8	40,800 *	42.9	180.8	45,400 *	51.2	187.5	42,700										90
95	15.9	146.1	30,500 *	31.4	167.5	37,400 *	37.9	175.0	41,400 *	47.0	183.2	39,800	54.6	187.8	37,000							95
100				24.7	158.1	34,400 *	32.4	167.9	38,000 *	42.4	178.1	37,200	50.6	183.9	34,600							100
105				15.4	144.4	31,600 *	25.9	158.9	35,000 *	37.5	172.2	34,900	46.4	179.5	32,500							105
110							17.2	146.2	32,100 *	31.9	164.9	32,800	41.8	174.4	30,500	49.8	179.3	28,300				110
115										25.2	155.8	30,900	36.8	168.2	28,800	45.5	174.7	26,600				115
120										16.2	142.5	29,200	31.1	160.8	27,100	40.9	169.4	25,100				120
125													24.2	151.3	25,700	35.7	163.1	23,800	44.3	168.8	21,900	125
130													14.6	137.1	24,300	29.8	155.3	22,500	39.5	163.2	20,700	130
135																22.6	145.2	21,300	34.2	156.6	19,600	135
140																11.9	129.1	20,200	28.1	148.3	18,600	140
145																			20.3	137.2	17,700	145
150																			6.6	116.2	16,800	150

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
25,000 Lb. 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



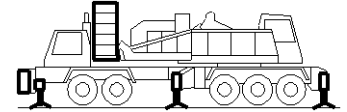
110 Ft. Boom, 100 Ft. Jib

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	59,000 *													70
75	48.3	196.0	44,500 *	55.4	202.8	54,100 *	59.4	205.6	56,100 *													75
80	44.3	191.3	40,700 *	51.8	199.2	48,900 *	56.0	202.5	52,200 *	62.3	206.0	49,200										80
85	40.0	185.7	37,400 *	48.1	195.0	44,500 *	52.4	198.9	48,600 *	59.1	203.2	45,500										85
90	35.4	179.3	34,400 *	44.1	190.2	40,700 *	48.7	194.8	45,200	55.7	200.0	42,200										90
95	30.1	171.5	31,800 *	39.8	184.6	37,400 *	44.8	190.1	41,400 *	52.1	196.3	39,300										95
100	23.7	161.6	29,400 *	35.1	178.1	34,500 *	40.6	184.6	38,000 *	48.4	192.2	36,800	55.2	196.5	34,200							100
105	15.1	147.4	26,200 *	29.8	170.2	31,800 *	35.9	178.3	35,000 *	44.4	187.4	34,500	51.6	192.8	32,000							105
110				23.4	160.2	29,500 *	30.7	170.7	32,300 *	40.2	181.9	32,400	47.9	188.5	30,100							110
115				14.6	145.7	27,200 *	24.5	161.1	29,900 *	35.5	175.5	30,500	43.9	183.7	28,300	50.9	188.1	26,100				115
120							16.3	147.7	27,700 *	30.2	167.7	28,800	39.6	178.1	26,700	47.1	183.8	24,700				120
125										23.9	157.9	27,300	34.8	171.5	25,300	43.1	178.8	23,300				125
130										15.4	143.9	25,800	29.4	163.5	23,900	38.7	173.0	22,100	46.0	177.9	20,200	130
135													22.9	153.3	22,700	33.8	166.2	20,900	41.9	172.7	19,200	135
140													13.9	138.3	21,500	28.3	157.9	19,800	37.4	166.7	18,200	140
145																21.5	147.1	18,800	32.4	159.6	17,200	145
150																11.3	130.1	17,900	26.6	150.7	16,400	150
155																			19.3	138.9	15,600	155
160																			6.2	116.8	14,800	160

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
 Boom No. 78T With Heavy Lift Top
 95,400 Lb. Crane Counterweight
 25,000 Lb. 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



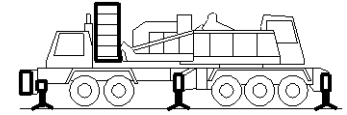
110 Ft. Boom, 110 Ft. Jib

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	54,900 *													75
80	49.4	204.9	40,900 *	55.8	211.5	49,100 *	59.4	214.3	52,100 *													80
85	45.9	200.4	37,600 *	52.6	207.9	44,600 *	56.3	211.2	48,400 *	62.1	214.6	45,400										85
90	42.1	195.2	34,600 *	49.3	203.9	40,900 *	53.1	207.6	45,200 *	59.1	211.8	42,100										90
95	38.1	189.3	32,100 *	45.7	199.3	37,600 *	49.8	203.7	41,500 *	56.1	208.7	39,300										95
100	33.7	182.4	29,800 *	42.0	194.1	34,700 *	46.3	199.2	38,200 *	52.9	205.1	36,700										100
105	28.6	174.1	27,700 *	37.9	188.1	32,100 *	42.6	194.1	35,200 *	49.5	201.1	34,400	55.6	205.2	31,900							105
110	22.6	163.7	25,700 *	33.4	181.2	29,800 *	38.6	188.2	32,600 *	46.0	196.5	32,400	52.4	201.5	30,000							110
115	14.4	148.7	23,000 *	28.4	172.8	27,700 *	34.2	181.5	30,200 *	42.3	191.4	30,500	49.1	197.5	28,300							115
120				22.3	162.2	25,800 *	29.3	173.4	28,100 *	38.2	185.5	28,800	45.5	192.8	26,700	51.8	196.9	24,600				120
125				13.9	146.9	23,900 *	23.4	163.3	26,100 *	33.8	178.6	27,300	41.7	187.6	25,200	48.4	192.8	23,200				125
130							15.5	149.1	24,300 *	28.8	170.4	25,800	37.7	181.6	23,900	44.8	188.0	22,000				130
135										22.8	160.0	24,500	33.2	174.5	22,700	41.0	182.6	20,800	47.4	186.9	19,100	135
140										14.7	145.2	23,300	28.0	166.1	21,500	36.8	176.4	19,800	43.8	182.0	18,100	140
145													21.9	155.3	20,500	32.2	169.2	18,800	39.9	176.5	17,200	145
150													13.2	139.5	19,500	26.9	160.4	17,900	35.6	170.0	16,300	150
155																20.5	149.0	17,000	30.9	162.4	15,500	155
160																10.8	131.1	16,200	25.4	153.0	14,800	160
165																			18.3	140.6	14,100	165
170																			5.9	117.3	13,400	170

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
25,000 Lb. 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



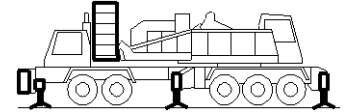
110 Ft. Boom, 120 Ft. Jib

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	50,700 *													80
85	50.4	213.8	37,400 *	56.2	220.2	44,500 *	59.5	223.0	47,900 *													85
90	47.2	209.4	34,500 *	53.3	216.7	40,700 *	56.6	219.9	44,700 *	62.0	223.3	41,700										90
95	43.8	204.5	31,900 *	50.2	212.8	37,400 *	53.7	216.4	41,300 *	59.2	220.5	38,800										95
100	40.3	199.0	29,600 *	47.0	208.3	34,500 *	50.7	212.5	38,000 *	56.4	217.3	36,300										100
105	36.4	192.6	27,600 *	43.7	203.4	31,900 *	47.6	208.2	35,000 *	53.5	213.8	34,000										105
110	32.2	185.3	25,700 *	40.1	197.8	29,700 *	44.2	203.3	32,400 *	50.4	209.9	32,000	56.0	213.9	29,600							110
115	27.4	176.6	24,000 *	36.2	191.5	27,600 *	40.7	197.9	30,100 *	47.3	205.6	30,100	53.1	210.3	27,800							115
120	21.6	165.6	22,400 *	32.0	184.1	25,700 *	36.9	191.6	28,000 *	43.9	200.7	28,400	50.0	206.3	26,200							120
125	13.8	149.9	20,100 *	27.1	175.3	24,000 *	32.7	184.5	26,100 *	40.4	195.1	26,900	46.8	201.9	24,800	52.5	205.7	22,800				125
130				21.3	164.2	22,400 *	28.0	175.9	24,300 *	36.5	188.8	25,500	43.5	196.9	23,500	49.4	201.7	21,500				130
135				13.3	148.1	20,900 *	22.4	165.3	22,700 *	32.3	181.5	24,200	39.9	191.3	22,300	46.2	197.1	20,400				135
140							14.9	150.4	21,200 *	27.5	172.9	23,000	36.0	184.9	21,100	42.8	192.0	19,300				140
145										21.8	162.0	21,800	31.7	177.4	20,100	39.1	186.3	18,400	45.3	191.2	16,700	145
150										14.0	146.5	20,800	26.8	168.5	19,100	35.2	179.7	17,500	41.8	186.0	15,900	150
155													20.9	157.2	18,200	30.8	172.0	16,600	38.1	180.0	15,100	155
160													12.6	140.6	17,300	25.8	162.7	15,800	34.1	173.1	14,300	160
165																19.6	150.7	15,100	29.5	165.1	13,700	165
170																10.3	132.0	14,400	24.3	155.2	13,000	170
180																			5.7	117.8	11,800	180

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
 Boom No. 78T With Heavy Lift Top
 95,400 Lb. Crane Counterweight
 25,000 Lb. 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



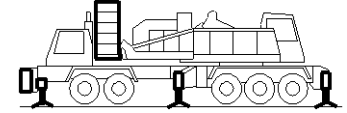
110 Ft. Boom, 130 Ft. Jib

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	38,500										95
100	45.2	213.7	29,700 *	51.0	221.6	34,600 *	54.2	225.1	36,900 *	59.3	229.2	36,000										100
105	42.0	208.4	27,600 *	48.1	217.3	32,000 *	51.5	221.3	35,200 *	56.7	226.0	33,700										105
110	38.6	202.6	25,800 *	45.1	212.6	29,700 *	48.6	217.1	32,500 *	54.0	222.6	31,700										110
115	34.9	195.9	24,100 *	41.9	207.3	27,700 *	45.6	212.5	30,200 *	51.2	218.8	29,800	56.3	222.6	27,500							115
120	30.9	188.1	22,500 *	38.5	201.4	25,800 *	42.4	207.3	28,100 *	48.3	214.5	28,100	53.6	219.0	25,900							120
125	26.3	179.0	21,000 *	34.8	194.7	24,100 *	39.0	201.5	26,200 *	45.3	209.8	26,600	50.8	215.2	24,500							125
130	20.8	167.5	19,700 *	30.7	186.9	22,500 *	35.4	194.9	24,400 *	42.1	204.6	25,200	47.9	210.9	23,200							130
135	13.2	151.1	17,600 *	26.1	177.6	21,100 *	31.4	187.3	22,800 *	38.7	198.7	23,900	44.9	206.1	22,000	50.3	210.5	20,100				135
140				20.5	166.0	19,700 *	26.9	178.4	21,400 *	35.1	192.1	22,700	41.7	200.8	20,800	47.4	206.2	19,000				140
145				12.8	149.3	18,400 *	21.5	167.2	20,000 *	31.0	184.4	21,600	38.2	194.9	19,800	44.3	201.3	18,100				145
150							14.3	151.7	18,700 *	26.4	175.3	20,500	34.5	188.1	18,800	41.0	195.9	17,200	46.5	200.3	15,500	150
155										20.9	163.9	19,600	30.4	180.2	17,900	37.6	189.8	16,300	43.4	195.3	14,800	155
160										13.5	147.7	18,700 *	25.7	170.8	17,100	33.8	182.8	15,500	40.1	189.7	14,000	160
165													20.1	159.0	16,300	29.6	174.7	14,800	36.6	183.4	13,400	165
170													12.1	141.7	15,500	24.7	164.9	14,100	32.7	176.1	12,700	170
180																9.9	132.9	12,800	23.3	157.3	11,500	180
190																			5.5	118.3	10,400	190

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
25,000 Lb. 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



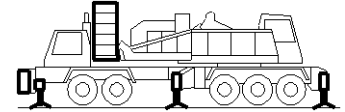
110 Ft. Boom, 140 Ft. Jib

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	35,600										100
105	46.4	222.8	27,400 *	51.7	230.4	30,500 *	54.7	233.8	32,100 *	59.3	237.8	33,300										105
110	43.5	217.8	25,500 *	49.0	226.3	29,200 *	52.1	230.1	30,800 *	56.9	234.7	31,300										110
115	40.4	212.2	23,900 *	46.3	221.7	27,400 *	49.5	226.0	29,500 *	54.4	231.3	29,400										115
120	37.2	206.0	22,300 *	43.4	216.7	25,600 *	46.7	221.5	27,800 *	51.9	227.6	27,700	56.6	231.2	25,500							120
125	33.6	198.9	20,900 *	40.3	211.1	23,900 *	43.8	216.6	25,900 *	49.2	223.4	26,200	54.1	227.8	24,100							125
130	29.7	190.9	19,600 *	37.0	204.8	22,300 *	40.8	211.1	24,200 *	46.5	218.9	24,800	51.5	224.0	22,800							130
135	25.3	181.3	18,300 *	33.5	197.7	20,900 *	37.6	205.0	22,600 *	43.6	213.9	23,500	48.9	219.8	21,600							135
140	20.0	169.3	17,200 *	29.6	189.6	19,600 *	34.1	198.0	21,200 *	40.5	208.4	22,300	46.1	215.2	20,400	51.0	219.4	18,600				140
145	12.7	152.3	15,400 *	25.1	179.9	18,400 *	30.2	190.1	19,900 *	37.3	202.2	21,200	43.2	210.2	19,400	48.3	215.1	17,600				145
150				19.7	167.8	17,200 *	25.9	180.7	18,600 *	33.7	195.2	20,200	40.1	204.5	18,400	45.5	210.5	16,700				150
155				12.3	150.4	16,100 *	20.7	169.1	17,500 *	29.9	187.1	19,200	36.8	198.2	17,600	42.6	205.3	15,900	47.6	209.3	14,300	155
160							13.8	152.9	16,300 *	25.4	177.6	18,300	33.2	191.1	16,700	39.5	199.5	15,100	44.8	204.5	13,600	160
165										20.2	165.7	17,400 *	29.3	182.9	15,900	36.1	193.1	14,400	41.8	199.2	12,900	165
170										13.0	148.9	16,300 *	24.8	173.1	15,200	32.5	185.8	13,700	38.6	193.3	12,300	170
180													11.7	142.8	13,800	23.8	167.1	12,500	31.5	179.0	11,100	180
190																9.5	133.7	11,300	22.4	159.3	10,100	190
200																			5.3	118.8	9,100	200

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
 Boom No. 78T With Heavy Lift Top
 95,400 Lb. Crane Counterweight
 25,000 Lb. 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



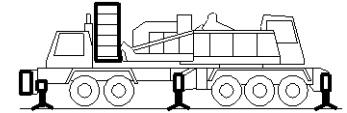
110 Ft. Boom, 150 Ft. Jib

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	31,600 *										105
110	47.4	231.8	24,100 *	52.3	239.2	26,600 *	55.0	242.5	28,100 *	59.4	246.5	30,300 *										110
115	44.7	227.0	23,000 *	49.8	235.1	25,400 *	52.7	238.9	26,800 *	57.1	243.4	29,100 *										115
120	42.0	221.7	22,000 *	47.3	230.7	24,200 *	50.2	234.9	25,600 *	54.8	240.0	27,600 *										120
125	39.0	215.8	20,900 *	44.6	225.9	23,100 *	47.7	230.5	24,500 *	52.4	236.3	26,100 *	56.8	239.9	23,900 *							125
130	35.9	209.3	19,600 *	41.8	220.6	22,100 *	45.0	225.8	23,400 *	50.0	232.3	24,700 *	54.5	236.5	22,600 *							130
135	32.5	201.9	18,400 *	38.9	214.7	20,900 *	42.3	220.5	22,300 *	47.5	227.9	23,400 *	52.1	232.8	21,400 *							135
140	28.7	193.5	17,300 *	35.7	208.1	19,600 *	39.4	214.7	21,200 *	44.8	223.1	22,200 *	49.7	228.7	20,300 *							140
145	24.4	183.5	16,200 *	32.3	200.7	18,400 *	36.2	208.3	19,900 *	42.0	217.8	21,100 *	47.1	224.3	19,300 *	51.7	228.2	17,500 *				145
150	19.3	171.0	15,200 *	28.5	192.2	17,300 *	32.9	201.0	18,700 *	39.1	212.0	20,100 *	44.4	219.4	18,300 *	49.2	224.0	16,600 *				150
155	12.3	153.4	13,600 *	24.2	182.1	16,300 *	29.2	192.7	17,500 *	36.0	205.5	19,100 *	41.6	214.0	17,400 *	46.6	219.5	15,800 *				155
160				19.0	169.5	15,300 *	25.0	182.9	16,500 *	32.6	198.1	18,200 *	38.7	208.1	16,600 *	43.9	214.6	15,000 *				160
165				11.9	151.4	14,300 *	20.0	170.9	15,500 *	28.8	189.7	17,400 *	35.5	201.5	15,800 *	41.1	209.1	14,300 *	45.9	213.6	12,800 *	165
170							13.3	154.1	14,500 *	24.6	179.8	16,500 *	32.1	194.0	15,100 *	38.1	203.1	13,600 *	43.2	208.5	12,200 *	170
180										12.5	150.0	14,500 *	23.9	175.2	13,700 *	31.4	188.6	12,400 *	37.2	196.7	11,000 *	180
190													11.3	143.8	12,500 *	23.0	169.2	11,200 *	30.4	181.8	10,000 *	190
200																9.2	134.5	10,200 *	21.7	161.3	9,000 *	200
210																			5.1	119.2	8,100 *	210

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
25,000 Lb. 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



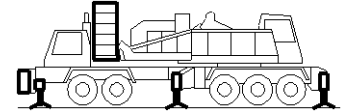
110 Ft. Boom, 160 Ft. Jib

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	23,700 *										125
130	40.6	225.4	17,400 *	45.7	235.0	19,300 *	48.5	239.5	20,600 *	52.9	245.1	22,600 *	57.0	248.6	22,200							130
135	37.7	219.3	16,500 *	43.1	229.9	18,400 *	46.1	234.9	19,500 *	50.7	241.2	21,500 *	54.9	245.2	21,000							135
140	34.7	212.5	15,700 *	40.4	224.3	17,400 *	43.5	229.8	18,600 *	48.3	236.9	20,500 *	52.6	241.5	19,900							140
145	31.4	204.8	14,900 *	37.6	218.1	16,600 *	40.9	224.3	17,600 *	45.9	232.2	19,400 *	50.4	237.6	18,900							145
150	27.8	196.0	14,200 *	34.5	211.3	15,700 *	38.1	218.3	16,700 *	43.3	227.2	18,500 *	48.0	233.2	17,900	52.2	237.0	16,200				150
155	23.7	185.6	13,500 *	31.2	203.5	15,000 *	35.1	211.5	15,900 *	40.6	221.6	17,600 *	45.5	228.5	17,000	49.9	232.9	15,400				155
160	18.7	172.7	12,900 *	27.6	194.7	14,200 *	31.8	203.9	15,100 *	37.8	215.5	16,700 *	43.0	223.4	16,200	47.5	228.5	14,600				160
165	11.9	154.4	11,800 *	23.4	184.2	13,600 *	28.2	195.3	14,400 *	34.8	208.7	15,900 *	40.3	217.8	15,400	45.0	223.7	13,900				165
170				18.4	171.1	13,000 *	24.2	185.1	13,700 *	31.5	201.0	15,100 *	37.4	211.6	14,700	42.4	218.5	13,200	46.9	222.7	11,700	170
180							12.9	155.3	12,500 *	23.8	181.9	13,700 *	31.0	196.9	13,400	36.8	206.4	12,000	41.7	212.4	10,600	180
190										12.1	151.1	12,500 *	23.2	177.3	12,200	30.4	191.4	10,900	36.0	200.0	9,600	190
200													10.9	144.7	11,100	22.3	171.2	9,900	29.4	184.4	8,600	200
210																8.9	135.3	8,900	21.0	163.2	7,800	210
220																			4.9	119.7	7,000	220

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
 Boom No. 78T With Heavy Lift Top
 95,400 Lb. Crane Counterweight
 25,000 Lb. Front Bumper Counterweight
 360 Degree Rating On Fully Extended Outriggers

Designed And Tested
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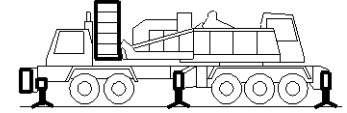
110 Ft. Boom, 170 Ft. Jib

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	20,700							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	19,600							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	18,600							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	17,600							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	16,700	52.7	245.7	15,000				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	15,900	50.5	241.8	14,300				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	15,100	48.3	237.5	13,600				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	14,400	46.0	232.8	12,900				170
180				17.9	172.7	9,100 *	23.4	187.2	9,900 *	30.5	203.8	11,600 *	36.3	214.9	13,000 *	41.1	222.3	11,700	45.4	226.9	10,300	180
190							12.5	156.4	8,500 *	23.1	184.0	9,900 *	30.1	199.6	11,500 *	35.7	209.7	10,600	40.4	216.2	9,200	190
200										11.8	152.1	8,400 *	22.5	179.3	9,800 *	29.4	194.1	9,600	34.9	203.2	8,300	200
210													10.6	145.7	8,400 *	21.6	173.1	8,700	28.5	187.0	7,500	210
220																8.7	136.1	7,800	20.3	165.0	6,800	220
230																			4.8	120.1	6,000	230

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
25,000 Lb. Front Bumper Counterweight
360 Degree Rating On Fully Extended Outriggers

Designed And Tested
With The Intent To Be In
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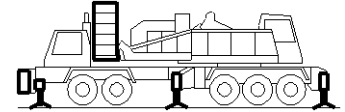
120 Ft. Boom, 70 Ft. Jib

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	60,400 *	61.1	188.3	57,400 *b										70
75	18.9	154.1	42,700 *	37.5	173.0	55,100 *	45.3	179.2	56,500 *	56.3	185.3	54,000										75
80				30.1	165.6	49,600 *	39.2	173.7	52,400 *	51.2	181.6	49,700										80
85				20.5	155.0	44,800 *	32.2	166.8	48,900 *	45.8	177.2	46,000	56.5	182.1	42,700							85
90							23.4	157.3	45,700	39.7	171.8	42,700	51.4	178.5	39,700							90
95							8.5	139.8	39,500 *	32.8	165.0	39,800	45.9	174.1	37,000							95
100										24.2	155.8	37,200	39.9	168.7	34,600	51.2	174.2	32,000				100
105										10.5	139.8	34,900	33.1	161.9	32,400	45.8	169.7	30,000				105
110													24.6	152.9	30,500	39.7	164.3	28,200				110
115													11.2	137.3	28,700	32.8	157.5	26,600	45.1	164.2	24,400	115
120																24.2	148.3	25,100	39.0	158.6	23,000	120
125																10.4	132.3	23,700	31.9	151.6	21,800	125
130																			23.1	142.0	20,600	130
135																			7.5	123.7	19,500	135

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
 Boom No. 78T With Heavy Lift Top
 95,400 Lb. Crane Counterweight
 25,000 Lb. Front Bumper Counterweight
 360 Degree Rating On Fully Extended Outriggers

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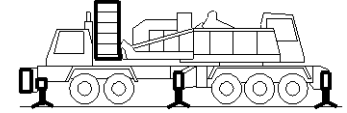
120 Ft. Boom, 80 Ft. Jib

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	77,800 *	67.5	204.4	78,300 *b																50
55	54.7	196.7	68,300 *	63.6	202.1	73,600 *																55
60	50.2	192.9	60,600 *	59.5	199.4	69,300 *	64.7	201.8	67,400 *													60
65	45.4	188.3	54,300 *	55.3	196.2	65,100 *	60.6	199.2	63,600 *													65
70	40.1	182.9	49,100 *	50.8	192.5	59,700 *	56.4	196.1	60,100 *													70
75	34.1	176.3	44,500 *	46.0	188.0	55,100 *	52.0	192.5	55,900 *	61.0	197.0	53,500										75
80	27.1	167.9	40,600 *	40.8	182.7	49,900 *	47.3	188.3	51,900 *	56.8	194.0	49,200										80
85	17.7	155.7	35,900 *	35.0	176.3	45,300 *	42.2	183.2	48,300 *	52.4	190.4	45,500										85
90				28.1	168.1	41,300 *	36.6	177.1	45,200 *	47.7	186.2	42,300	56.9	190.8	39,200							90
95				19.2	156.7	37,700 *	30.1	169.5	42,300	42.7	181.3	39,400	52.5	187.3	36,500							95
100							21.9	159.3	38,700 *	37.1	175.3	36,900	47.9	183.1	34,100							100
105							7.9	140.5	33,600 *	30.6	167.8	34,600	42.8	178.2	32,000	52.4	183.0	29,500				105
110										22.6	157.9	32,500	37.3	172.2	30,100	47.7	178.8	27,700				110
115										9.8	140.7	30,600	30.9	164.8	28,300	42.7	173.8	26,100				115
120													22.9	155.0	26,800	37.1	167.8	24,600	47.1	173.2	22,500	120
125													10.5	138.3	25,300	30.6	160.4	23,300	42.0	168.2	21,300	125
130																22.6	150.4	22,000	36.4	162.0	20,100	130
135																9.8	133.2	20,800	29.8	154.4	19,100	135
140																			21.6	144.0	18,100	140
145																			7.0	124.3	17,100	145

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
25,000 Lb. Front Bumper Counterweight
360 Degree Rating On Fully Extended Outriggers

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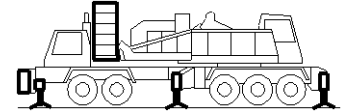
120 Ft. Boom, 90 Ft. Jib

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	55,300 *													75
80	37.7	186.4	41,000 *	47.7	197.0	50,300 *	52.9	201.3	51,700 *	60.9	205.7	48,900										80
85	32.1	179.3	37,600 *	43.2	192.1	45,700 *	48.8	197.2	48,100 *	57.1	202.7	45,200										85
90	25.5	170.2	34,600 *	38.4	186.3	41,700 *	44.5	192.5	45,000 *	53.3	199.2	42,000										90
95	16.7	157.2	30,800 *	32.9	179.3	38,200 *	39.7	187.0	42,100	49.2	195.2	39,100	57.3	199.5	36,200							95
100				26.5	170.6	35,100 *	34.4	180.3	39,200 *	44.8	190.5	36,600	53.4	196.0	33,800							100
105				18.1	158.4	32,300 *	28.3	172.1	36,000 *	40.1	185.1	34,300	49.3	192.0	31,700							105
110							20.6	161.2	33,100 *	34.9	178.5	32,300	45.0	187.4	29,800							110
115							7.5	141.2	29,100 *	28.8	170.5	30,400	40.3	181.9	28,100	49.2	187.7	25,800				115
120										21.3	159.8	28,700	35.1	175.5	26,500	44.8	183.0	24,300				120
125										9.2	141.5	27,100	29.1	167.5	25,100	40.1	177.6	23,000				125
130													21.6	156.9	23,700	34.9	171.1	21,800	44.3	177.5	19,800	130
135													9.9	139.2	22,500	28.8	163.0	20,600	39.5	171.9	18,800	135
140																21.3	152.3	19,600	34.2	165.2	17,800	140
145																9.2	134.0	18,600	28.1	156.9	16,900	145
150																			20.3	145.8	16,100	150
155																			6.6	124.9	15,200	155

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
 Boom No. 78T With Heavy Lift Top
 95,400 Lb. Crane Counterweight
 25,000 Lb. 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



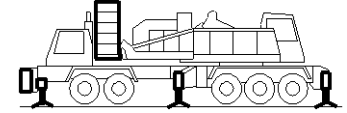
120 Ft. Boom, 100 Ft. Jib

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	54,100 *													75
80	44.6	201.6	41,000 *	52.7	210.0	50,200 *	57.2	213.5	51,200 *													80
85	40.4	196.1	37,600 *	49.0	206.0	45,600 *	53.7	210.0	47,600 *	60.8	214.3	44,800										85
90	35.7	189.7	34,700 *	45.1	201.3	41,600 *	50.0	206.1	44,500 *	57.4	211.3	41,600										90
95	30.4	182.1	32,000 *	40.9	196.0	38,200 *	46.2	201.6	41,600 *	54.0	207.9	38,700										95
100	24.2	172.4	29,600 *	36.3	189.7	35,200 *	42.1	196.5	39,100 *	50.3	204.0	36,200	57.5	208.1	33,300							100
105	15.8	158.7	26,500 *	31.2	182.2	32,500 *	37.6	190.5	36,000 *	46.5	199.6	33,900	54.1	204.7	31,200							105
110				25.1	172.9	30,100 *	32.6	183.4	33,300 *	42.4	194.5	31,900	50.5	200.9	29,400							110
115				17.1	159.9	27,800 *	26.8	174.6	30,800 *	38.0	188.6	30,000	46.6	196.5	27,600							115
120							19.5	162.9	28,500 *	33.0	181.6	28,400	42.5	191.4	26,100	50.3	196.6	23,800				120
125							7.1	141.8	25,200 *	27.3	173.0	26,800	38.1	185.5	24,700	46.5	192.1	22,500				125
130										20.2	161.6	25,400	33.2	178.5	23,300	42.4	187.0	21,300				130
135										8.8	142.3	24,100	27.5	170.0	22,100	38.0	181.1	20,200	46.0	186.6	18,300	135
140													20.5	158.8	21,000	33.0	174.1	19,200	41.9	181.4	17,300	140
145													9.3	140.0	19,900	27.3	165.5	18,200	37.4	175.4	16,400	145
150																20.2	154.2	17,300	32.4	168.2	15,600	150
155																8.7	134.8	16,400	26.6	159.4	14,800	155
160																			19.3	147.6	14,100	160
165																			6.2	125.5	13,400	165

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
25,000 Lb. 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



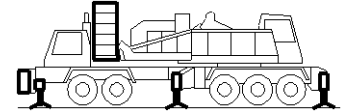
120 Ft. Boom, 110 Ft. Jib

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	50,500 *													80
85	46.1	210.7	37,800 *	53.4	218.8	45,700 *	57.4	222.2	47,500 *													85
90	42.4	205.6	34,900 *	50.1	214.8	41,800 *	54.3	218.8	44,300 *	60.7	223.0	41,500										90
95	38.4	199.7	32,300 *	46.6	210.4	38,400 *	51.0	214.9	41,500 *	57.7	220.0	38,600										95
100	34.0	192.9	29,900 *	42.9	205.4	35,400 *	47.6	210.6	39,000 *	54.5	216.7	36,100										100
105	29.0	184.7	27,800 *	38.9	199.6	32,700 *	43.9	205.8	36,200 *	51.3	212.9	33,900	57.8	216.8	31,100							105
110	23.1	174.5	25,900 *	34.6	192.9	30,400 *	40.0	200.2	33,500 *	47.8	208.6	31,800	54.6	213.5	29,300							110
115	15.1	160.0	23,300 *	29.7	184.9	28,200 *	35.8	193.8	31,000 *	44.2	203.8	30,000	51.4	209.7	27,600							115
120				23.9	175.0	26,200 *	31.1	186.2	28,800 *	40.4	198.3	28,300	48.0	205.5	26,000							120
125				16.3	161.4	24,400 *	25.6	176.9	26,800 *	36.1	191.9	26,800	44.3	200.6	24,600	51.3	205.4	22,400				125
130							18.6	164.6	25,000 *	31.5	184.5	25,400	40.5	195.2	23,300	47.8	201.1	21,200				130
135							6.8	142.4	22,300 *	26.0	175.4	24,100	36.3	188.9	22,100	44.2	196.3	20,100				135
140										19.3	163.4	22,900	31.6	181.4	21,000	40.3	190.8	19,100	47.4	195.6	17,200	140
145										8.4	143.1	21,700	26.2	172.4	19,900	36.1	184.5	18,100	43.8	190.7	16,400	145
150													19.5	160.5	19,000	31.5	177.0	17,200	39.9	185.1	15,600	150
155													8.9	140.8	18,000	26.0	167.9	16,400	35.6	178.7	14,800	155
160																19.3	155.9	15,600	30.9	171.0	14,100	160
165																8.3	135.5	14,900	25.4	161.7	13,400	165
170																			18.3	149.2	12,800	170

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
 Boom No. 78T With Heavy Lift Top
 95,400 Lb. Crane Counterweight
 25,000 Lb. 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



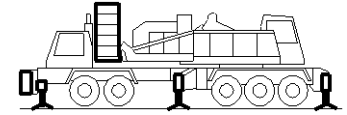
120 Ft. Boom, 120 Ft. Jib

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	45,400 *													85
90	47.4	219.7	35,000 *	54.0	227.5	41,400 *	57.6	230.8	43,600 *													90
95	44.1	214.9	32,400 *	51.0	223.7	38,500 *	54.8	227.5	41,300 *	60.6	231.7	38,200										95
100	40.5	209.4	30,000 *	47.8	219.4	35,500 *	51.8	223.7	38,600	57.9	228.7	35,700										100
105	36.7	203.1	27,900 *	44.5	214.6	32,800 *	48.7	219.6	36,200	55.0	225.4	33,400										105
110	32.5	195.9	26,000 *	41.0	209.2	30,400 *	45.4	214.9	33,600 *	52.0	221.7	31,400	58.0	225.5	28,800							110
115	27.7	187.2	24,200 *	37.2	203.0	28,300 *	42.0	209.7	31,100 *	48.9	217.5	29,600	55.1	222.2	27,100							115
120	22.1	176.5	22,600 *	33.1	195.9	26,400 *	38.3	203.8	28,900 *	45.7	212.9	27,900	52.1	218.5	25,600							120
125	14.4	161.3	20,400 *	28.4	187.5	24,600 *	34.2	196.9	26,900 *	42.2	207.7	26,400	49.0	214.4	24,200							125
130				22.9	177.1	22,900 *	29.7	188.9	25,100 *	38.6	201.9	25,000	45.8	209.8	22,900	52.0	214.2	20,700				130
135				15.6	162.8	21,400 *	24.5	179.1	23,400 *	34.6	195.1	23,700	42.4	204.6	21,700	48.9	210.1	19,600				135
140							17.8	166.2	21,800 *	30.1	187.2	22,500	38.7	198.8	20,600	45.7	205.5	18,600				140
145							6.5	143.0	19,600 *	24.9	177.6	21,400	34.7	192.1	19,500	42.2	200.3	17,700				145
150										18.5	165.0	20,400	30.2	184.2	18,600	38.6	194.4	16,800	45.3	199.9	15,100	150
155										8.0	143.8	19,400	25.1	174.7	17,700	34.5	187.6	16,000	41.8	194.6	14,300	155
160													18.7	162.2	16,900	30.1	179.7	15,200	38.1	188.7	13,600	160
165													8.5	141.6	16,000	24.9	170.1	14,500	34.1	181.8	13,000	165
170																18.4	157.6	13,800	29.5	173.7	12,300	170
180																			17.6	150.8	11,200	180

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
25,000 Lb. 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



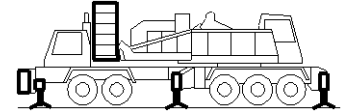
120 Ft. Boom, 130 Ft. Jib

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	38,800 *													95
100	45.4	224.0	29,900 *	51.7	232.5	35,300 *	55.2	236.2	37,300 *	60.6	240.3	35,400										100
105	42.3	218.8	27,800 *	48.8	228.3	32,700 *	52.4	232.5	35,900 *	58.0	237.3	33,100										105
110	38.9	213.0	25,900 *	45.8	223.7	30,300 *	49.6	228.5	33,400 *	55.4	234.1	31,100										110
115	35.2	206.4	24,200 *	42.7	218.6	28,200 *	46.7	224.0	31,000 *	52.7	230.4	29,300										115
120	31.2	198.7	22,600 *	39.3	212.8	26,300 *	43.5	219.0	28,800 *	49.8	226.4	27,600	55.5	230.9	25,200							120
125	26.6	189.7	21,200 *	35.7	206.3	24,500 *	40.2	213.4	26,800 *	46.9	222.0	26,100	52.8	227.3	23,800							125
130	21.2	178.4	19,800 *	31.7	198.8	22,900 *	36.7	207.1	25,000 *	43.8	217.0	24,700	49.9	223.3	22,600							130
135	13.9	162.6	17,800 *	27.3	190.0	21,400 *	32.8	199.9	23,400 *	40.5	211.5	23,500	47.0	218.8	21,400	52.7	223.0	19,300				135
140				22.0	179.1	20,100 *	28.5	191.5	21,900 *	37.0	205.3	22,300	43.9	213.9	20,300	49.8	219.0	18,300				140
145				15.0	164.1	18,700 *	23.5	181.3	20,500 *	33.2	198.2	21,200	40.6	208.4	19,300	46.9	214.5	17,400				145
150							17.1	167.7	19,200 *	28.9	189.9	20,200	37.1	202.2	18,300	43.8	209.6	16,500				150
155							6.2	143.5	17,200 *	23.9	179.8	19,200	33.3	195.1	17,400	40.5	204.0	15,700	46.5	209.0	14,000	155
160										17.7	166.6	18,300	29.0	186.8	16,600	37.0	197.8	14,900	43.4	204.0	13,300	160
165										7.7	144.5	17,400	24.1	176.8	15,800	33.2	190.7	14,200	40.1	198.4	12,600	165
170													18.0	163.8	15,100	28.9	182.4	13,500	36.6	192.0	12,000	170
180																17.7	159.1	12,300	28.4	176.3	10,900	180
190																			16.9	152.3	9,900	190

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
 Boom No. 78T With Heavy Lift Top
 95,400 Lb. Crane Counterweight
 25,000 Lb. Front Bumper Counterweight
 360 Degree Rating On Fully Extended Outriggers

Designed And Tested
 With The Intent To Be In
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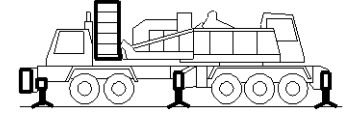
120 Ft. Boom, 140 Ft. Jib

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	34,900										100
105	46.6	233.1	27,600 *	52.3	241.3	30,800 *	55.5	244.9	32,600 *	60.6	249.0	32,700										105
110	43.7	228.1	25,700 *	49.7	237.2	29,500 *	53.0	241.3	31,200 *	58.2	246.0	30,700										110
115	40.7	222.6	24,000 *	47.0	232.8	28,000 *	50.4	237.3	29,900 *	55.7	242.8	28,900										115
120	37.4	216.4	22,400 *	44.1	227.9	26,000 *	47.7	233.0	28,600 *	53.2	239.2	27,200										120
125	33.9	209.5	21,000 *	41.1	222.4	24,300 *	44.9	228.2	26,600 *	50.6	235.3	25,700	55.8	239.6	23,400							125
130	30.0	201.5	19,700 *	37.8	216.3	22,700 *	41.9	222.9	24,800 *	47.9	231.0	24,300	53.3	236.0	22,100							130
135	25.6	192.0	18,400 *	34.4	209.5	21,300 *	38.7	217.0	23,200 *	45.1	226.2	23,100	50.7	232.1	20,900							135
140	20.4	180.2	17,300 *	30.5	201.6	19,900 *	35.3	210.4	21,700 *	42.1	221.0	21,900	48.0	227.8	19,800							140
145	13.4	163.8	15,500 *	26.2	192.4	18,700 *	31.6	202.8	20,300 *	39.0	215.1	20,800	45.2	223.1	18,800	50.6	227.8	16,900				145
150				21.2	181.0	17,500 *	27.5	194.0	19,100 *	35.6	208.6	19,800	42.2	217.9	17,900	47.9	223.5	16,000				150
155				14.5	165.4	16,400 *	22.6	183.3	17,900 *	31.9	201.1	18,800	39.1	212.0	17,000	45.1	218.7	15,200				155
160							16.5	169.2	16,700 *	27.8	192.4	18,000	35.7	205.5	16,200	42.1	213.5	14,500	47.6	218.0	12,800	160
165							6.0	144.1	15,100 *	23.0	181.9	17,100	32.0	198.0	15,400	39.0	207.7	13,800	44.8	213.2	12,200	165
170										17.1	168.2	16,300	27.9	189.4	14,700	35.6	201.1	13,100	41.8	207.9	11,600	170
180													17.3	165.4	13,400	27.8	184.9	11,900	35.2	195.3	10,400	180
190																17.1	160.7	10,800	27.3	178.8	9,400	190
200																			16.2	153.8	8,500	200

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
25,000 Lb. 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



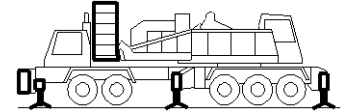
120 Ft. Boom, 150 Ft. Jib

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	32,100 *										105
110	47.6	242.1	24,200 *	52.9	250.0	26,900 *	55.8	253.6	28,500 *	60.5	257.6	30,600 *										110
115	44.9	237.3	23,100 *	50.4	246.1	25,700 *	53.5	250.0	27,200 *	58.3	254.7	28,800 *										115
120	42.2	232.1	22,100 *	47.9	241.8	24,500 *	51.1	246.2	26,000 *	56.0	251.5	27,100 *										120
125	39.2	226.2	21,000 *	45.3	237.0	23,400 *	48.6	241.9	24,900 *	53.7	247.9	25,600 *										125
130	36.1	219.8	19,700 *	42.5	231.8	22,400 *	46.0	237.3	23,800 *	51.3	244.1	24,200 *	56.1	248.3	22,000 *							130
135	32.7	212.5	18,500 *	39.6	226.1	21,300 *	43.3	232.3	22,700 *	48.8	239.9	23,000 *	53.8	244.8	20,800 *							135
140	29.0	204.1	17,400 *	36.5	219.7	20,000 *	40.4	226.7	21,700 *	46.2	235.3	21,800 *	51.4	240.9	19,700 *							140
145	24.8	194.2	16,300 *	33.2	212.5	18,700 *	37.4	220.5	20,400 *	43.5	230.3	20,700 *	48.9	236.7	18,700 *							145
150	19.7	182.0	15,300 *	29.5	204.3	17,600 *	34.1	213.5	19,100 *	40.6	224.8	19,700 *	46.3	232.2	17,800 *	51.3	236.6	15,900 *				150
155	12.9	164.9	13,800 *	25.3	194.7	16,500 *	30.5	205.6	17,900 *	37.6	218.6	18,700 *	43.6	227.2	16,900 *	48.8	232.4	15,100 *				155
160				20.4	182.8	15,500 *	26.5	196.4	16,900 *	34.4	211.7	17,900 *	40.7	221.6	16,100 *	46.2	227.8	14,400 *				160
165				14.0	166.7	14,500 *	21.8	185.3	15,800 *	30.8	203.9	17,000 *	37.7	215.5	15,300 *	43.5	222.8	13,700 *				165
170							15.9	170.6	14,800 *	26.8	194.8	16,300 *	34.5	208.7	14,600 *	40.6	217.3	13,000 *	45.9	222.3	11,400 *	170
180										16.5	169.6	14,800 *	27.0	191.8	13,300 *	34.4	204.2	11,800 *	40.3	211.6	10,300 *	180
190													16.7	166.9	12,100 *	26.8	187.3	10,700 *	34.0	198.4	9,300 *	190
200																16.5	162.1	9,700 *	26.4	181.2	8,400 *	200
210																			15.7	155.2	7,600 *	210

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
 Boom No. 78T With Heavy Lift Top
 95,400 Lb. Crane Counterweight
 25,000 Lb. 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



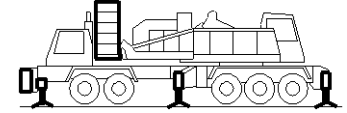
120 Ft. Boom, 160 Ft. Jib

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	27,800 *										110
115	48.4	251.1	20,400 *	53.3	258.8	22,900 *	56.1	262.3	24,400 *	60.5	266.3	26,600 *										115
120	46.0	246.4	19,300 *	51.1	254.9	21,700 *	53.9	258.8	23,200 *	58.4	263.3	25,500 *										120
125	43.4	241.4	18,400 *	48.7	250.7	20,700 *	51.7	255.0	22,100 *	56.3	260.1	24,300 *										125
130	40.8	235.8	17,500 *	46.3	246.1	19,600 *	49.3	250.8	21,000 *	54.1	256.7	23,200 *										130
135	37.9	229.7	16,600 *	43.8	241.1	18,600 *	46.9	246.4	19,900 *	51.9	252.9	22,100 *	56.3	256.9	20,400							135
140	34.9	223.0	15,800 *	41.1	235.6	17,700 *	44.4	241.5	18,900 *	49.5	248.8	21,000 *	54.2	253.5	19,300							140
145	31.6	215.3	15,000 *	38.3	229.6	16,800 *	41.8	236.2	18,000 *	47.1	244.4	20,000 *	51.9	249.7	18,300							145
150	28.0	206.6	14,300 *	35.3	222.9	16,000 *	39.1	230.3	17,100 *	44.6	239.5	19,000 *	49.6	245.6	17,400							150
155	24.0	196.4	13,600 *	32.1	215.4	15,200 *	36.1	223.8	16,200 *	42.0	234.2	18,100 *	47.2	241.2	16,500	51.8	245.4	14,700				155
160	19.1	183.7	13,000 *	28.5	206.9	14,500 *	33.0	216.5	15,400 *	39.3	228.4	17,200 *	44.7	236.4	15,700	49.5	241.3	13,900				160
165	12.5	166.0	12,000 *	24.5	196.9	13,800 *	29.5	208.3	14,700 *	36.4	221.9	16,300 *	42.1	231.1	14,900	47.1	236.9	13,200				165
170				19.8	184.6	13,200 *	25.6	198.7	14,000 *	33.2	214.8	15,500 *	39.4	225.3	14,200	44.6	232.0	12,600				170
180							15.4	172.0	12,800 *	26.0	197.2	14,100 *	33.3	211.7	12,900	39.3	220.9	11,400	44.4	226.4	9,900	180
190										16.0	171.1	12,900 *	26.1	194.2	11,800	33.2	207.3	10,300	39.0	215.2	8,900	190
200													16.2	168.3	10,700	26.0	189.7	9,300	32.9	201.4	8,000	200
210																16.0	163.6	8,500	25.5	183.5	7,200	210
220																			15.2	156.5	6,500	220

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
25,000 Lb. 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



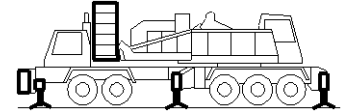
120 Ft. Boom, 170 Ft. Jib

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	19,000							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	18,000							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	17,100							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	16,200							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	15,400	52.4	254.2	13,600				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	14,600	50.2	250.2	12,900				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	13,900	48.0	245.9	12,300				170
180				19.2	186.3	9,300 *	24.9	201.0	10,300 *	32.2	217.7	12,100 *	38.2	228.8	12,600	43.2	236.1	11,100	47.7	240.3	9,600	180
190							15.0	173.4	8,800 *	25.2	199.4	10,300 *	32.3	214.6	11,500	38.1	224.4	10,000	43.0	230.4	8,600	190
200										15.5	172.4	8,800 *	25.3	196.5	10,400 *	32.2	210.2	9,100	37.8	218.7	7,700	200
210													15.7	169.7	8,900 *	25.2	191.9	8,200	31.8	204.3	6,900	210
220																15.5	164.9	7,400	24.7	185.7	6,200	220
230																			14.7	157.8	5,500	230

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
 Boom No. 78T With Heavy Lift Top
 95,400 Lb. Crane Counterweight
 25,000 Lb. 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



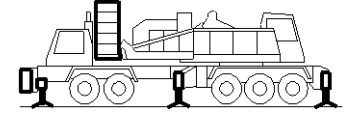
130 Ft. Boom, 70 Ft. Jib

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	54,900 *	58.8	196.6	51,300 *										75
80				32.0	177.5	50,800 *	41.4	185.6	51,300 *	53.9	193.3	48,600 *										80
85				23.2	167.9	46,000 *	34.8	179.2	47,800 *	48.7	189.3	45,100										85
90				7.8	149.9	38,100 *	26.8	170.8	44,800 *	42.9	184.4	41,900	54.9	190.4	38,600							90
95							15.4	157.8	42,100 *	36.5	178.4	39,100	49.7	186.6	36,000							95
100										29.0	170.6	36,600	44.1	181.9	33,600							100
105										18.9	159.4	34,300	37.9	176.1	31,500	50.4	182.6	28,800				105
110													30.6	168.8	29,700	44.9	178.0	27,100				110
115													21.2	158.5	27,900	38.7	172.5	25,500				115
120																31.6	165.4	24,100	45.1	172.8	21,800	120
125																22.6	155.6	22,800	39.0	167.3	20,600	125
130																6.0	136.0	21,500	31.9	160.3	19,500	130
135																			23.1	150.7	18,500	135
140																			7.5	132.3	17,500	140

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
25,000 Lb. 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



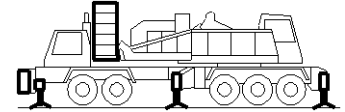
130 Ft. Boom, 80 Ft. Jib

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	54,600 *													75
80	27.7	178.5	41,000 *	42.1	194.0	50,400 *	49.0	199.7	51,000 *	59.0	205.3	48,200 *										80
85	18.5	166.8	36,600 *	36.5	187.9	46,600 *	44.0	194.9	47,500 *	54.7	202.0	44,700										85
90				29.9	180.3	42,400 *	38.6	189.2	44,400 *	50.2	198.2	41,500										90
95				21.7	169.9	38,700 *	32.5	182.2	41,600 *	45.3	193.6	38,700	55.6	199.1	35,500							95
100				7.3	150.6	32,500 *	25.0	173.1	39,200 *	40.0	188.2	36,200	51.1	195.4	33,200							100
105							14.4	159.2	36,600 *	34.1	181.6	33,900	46.3	191.0	31,100							105
110										27.1	173.1	31,900	41.1	185.8	29,200	51.7	191.4	26,600				110
115										17.6	161.0	30,000	35.3	179.4	27,500	46.9	187.1	25,000				115
120													28.6	171.4	26,000	41.8	182.0	23,600				120
125													19.8	160.3	24,600	36.1	175.8	22,300	47.1	181.9	20,100	125
130																29.5	168.1	21,100	42.0	176.8	19,000	130
135																21.1	157.5	20,000	36.4	170.7	18,000	135
140																5.6	136.5	18,900	29.8	163.0	17,100	140
145																			21.6	152.6	16,200	145
150																			7.0	133.0	15,300	150

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
 Boom No. 78T With Heavy Lift Top
 95,400 Lb. Crane Counterweight
 25,000 Lb. 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



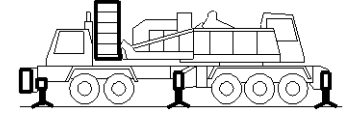
130 Ft. Boom, 90 Ft. Jib

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	53,200 *													75
80	38.1	196.9	41,300 *	48.7	208.0	50,100 *	54.3	212.4	50,600 *	62.7	216.7	46,800 *										80
85	32.6	189.8	37,900 *	44.4	203.3	46,600 *	50.3	208.5	47,100 *	59.1	213.9	44,400										85
90	26.0	180.9	34,800 *	39.6	197.8	42,600 *	46.0	204.1	44,000 *	55.3	210.7	41,200										90
95	17.4	168.4	31,300 *	34.3	191.1	39,000 *	41.4	198.8	41,200 *	51.3	207.0	38,400										95
100				28.2	182.9	35,900 *	36.3	192.6	38,800 *	47.1	202.7	35,900	56.1	207.8	32,800							100
105				20.4	171.8	33,000 *	30.6	185.1	36,600 *	42.6	197.6	33,700	52.1	204.2	30,800							105
110				6.9	151.2	28,000 *	23.6	175.3	34,100 *	37.7	191.7	31,700	48.0	200.0	28,900							110
115							13.5	160.4	31,300 *	32.1	184.5	29,800	43.5	195.2	27,200	52.6	200.2	24,700				115
120										25.5	175.5	28,200	38.7	189.4	25,700	48.5	196.1	23,300				120
125										16.6	162.5	26,600	33.3	182.5	24,300	44.1	191.3	22,000				125
130													26.9	173.9	23,000	39.3	185.7	20,800				130
135													18.7	162.0	21,800	34.0	179.0	19,700	44.3	186.1	17,700	135
140																27.8	170.6	18,700	39.5	180.5	16,800	140
145																19.9	159.3	17,800	34.2	173.9	15,900	145
150																5.3	137.0	16,900	28.1	165.6	15,100	150
155																			20.3	154.5	14,400	155
160																			6.6	133.6	13,600	160

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
25,000 Lb. 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



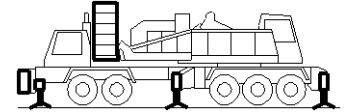
130 Ft. Boom, 100 Ft. Jib

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	49,400 *													80
85	40.7	206.5	37,900 *	49.9	216.9	46,100 *	54.9	221.1	46,500 *	62.5	225.4	43,500 *										85
90	36.0	200.2	34,900 *	46.1	212.4	42,500 *	51.3	217.4	43,400 *	59.2	222.6	40,700										90
95	30.8	192.7	32,200 *	42.0	207.3	39,000 *	47.5	213.1	40,700 *	55.8	219.4	37,900										95
100	24.7	183.2	29,800 *	37.5	201.2	35,900 *	43.5	208.2	38,200 *	52.2	215.8	35,500										100
105	16.5	169.9	26,900 *	32.5	194.1	33,100 *	39.2	202.5	36,000 *	48.5	211.6	33,200	56.5	216.5	30,300							105
110				26.7	185.3	30,600 *	34.4	195.8	34,000 *	44.6	206.9	31,200	52.9	213.0	28,400							110
115				19.4	173.5	28,300 *	29.0	187.7	31,600 *	40.3	201.4	29,400	49.3	208.9	26,800							115
120				6.5	151.8	24,300 *	22.3	177.3	29,300 *	35.7	195.0	27,800	45.4	204.3	25,300							120
125							12.8	161.5	27,000 *	30.4	187.3	26,300	41.2	199.0	23,900	49.7	205.0	21,500				125
130										24.2	177.6	24,900	36.6	192.8	22,600	45.9	200.5	20,300				130
135										15.8	163.9	23,600	31.5	185.4	21,400	41.7	195.2	19,300				135
140													25.5	176.2	20,300	37.2	189.2	18,300	46.0	195.2	16,300	140
145													17.7	163.6	19,300	32.2	182.0	17,400	41.9	190.1	15,400	145
150																26.3	173.0	16,500	37.4	184.0	14,600	150
155																18.9	161.0	15,700	32.4	176.9	13,900	155
160																5.0	137.5	14,900	26.6	168.0	13,200	160
165																			19.3	156.2	12,600	165
170																			6.2	134.1	11,900	170

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
 Boom No. 78T With Heavy Lift Top
 95,400 Lb. Crane Counterweight
 25,000 Lb. 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



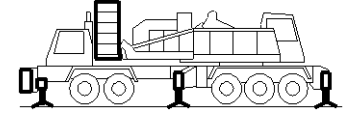
130 Ft. Boom, 110 Ft. Jib

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	48,400 *													80
85	46.4	221.0	38,000 *	54.2	229.6	46,000 *	58.5	233.1	46,200 *													85
90	42.7	216.0	35,100 *	50.9	225.8	42,700 *	55.4	229.8	43,300 *	62.2	234.1	40,600										90
95	38.7	210.1	32,400 *	47.5	221.5	39,200 *	52.1	226.2	40,600 *	59.3	231.3	37,900										95
100	34.3	203.4	30,100 *	43.8	216.6	36,100 *	48.8	222.0	38,100 *	56.2	228.1	35,400										100
105	29.4	195.3	28,000 *	39.9	211.0	33,300 *	45.2	217.4	35,900 *	53.0	224.5	33,200										105
110	23.5	185.3	26,000 *	35.7	204.6	30,900 *	41.4	212.1	33,900 *	49.6	220.5	31,200	56.8	225.2	28,400							110
115	15.8	171.3	23,600 *	30.9	196.9	28,700 *	37.3	206.0	31,900 *	46.1	216.0	29,400	53.6	221.7	26,700							115
120				25.4	187.6	26,700 *	32.8	198.8	29,600 *	42.4	210.9	27,700	50.3	217.8	25,200							120
125				18.4	175.2	24,800 *	27.6	190.2	27,500 *	38.4	205.0	26,200	46.8	213.4	23,800							125
130				6.2	152.3	21,400 *	21.3	179.2	25,600 *	34.0	198.2	24,900	43.2	208.4	22,500	50.7	213.8	20,300				130
135							12.2	162.6	23,800 *	29.0	190.0	23,600	39.2	202.7	21,400	47.3	209.5	19,200				135
140										23.0	179.7	22,400	34.9	196.1	20,300	43.6	204.6	18,200				140
145										15.0	165.2	21,300	30.0	188.2	19,300	39.7	199.0	17,300	47.4	204.3	15,300	145
150													24.3	178.4	18,400	35.4	192.5	16,400	43.8	199.4	14,600	150
155													16.9	165.1	17,500	30.7	184.8	15,600	39.9	193.8	13,800	155
160																25.1	175.3	14,900	35.6	187.3	13,200	160
165																18.0	162.7	14,200	30.9	179.7	12,500	165
170																4.8	137.9	13,500	25.4	170.3	11,900	170
180																			5.9	134.6	10,800	180

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
25,000 Lb. 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



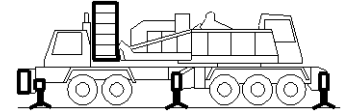
130 Ft. Boom, 120 Ft. Jib

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	41,900 *													90
95	44.3	225.2	32,500 *	51.7	234.6	39,300 *	55.8	238.5	40,100 *	62.1	242.7	37,000 *										95
100	40.8	219.8	30,200 *	48.6	230.4	36,200 *	52.8	234.9	37,800 *	59.3	239.9	34,900										100
105	37.0	213.6	28,100 *	45.3	225.7	33,400 *	49.8	230.9	35,600 *	56.5	236.8	32,700										105
110	32.8	206.4	26,100 *	41.9	220.5	31,000 *	46.6	226.5	33,600 *	53.6	233.3	30,800										110
115	28.1	197.9	24,400 *	38.2	214.5	28,800 *	43.2	221.4	31,700 *	50.6	229.4	29,000	57.1	233.9	26,200							115
120	22.5	187.3	22,700 *	34.1	207.7	26,800 *	39.6	215.8	29,700 *	47.4	225.0	27,300	54.2	230.5	24,700							120
125	15.1	172.6	20,600 *	29.6	199.6	25,000 *	35.7	209.3	27,600 *	44.1	220.2	25,800	51.2	226.6	23,400							125
130				24.3	189.8	23,300 *	31.3	201.7	25,700 *	40.5	214.7	24,500	48.0	222.4	22,100							130
135				17.7	176.8	21,700 *	26.4	192.6	24,000 *	36.7	208.4	23,200	44.7	217.6	20,900	51.6	222.6	18,700				135
140				6.0	152.9	18,800 *	20.4	181.1	22,400 *	32.5	201.1	22,000	41.2	212.3	19,900	48.4	218.4	17,700				140
145							11.7	163.7	20,800 *	27.7	192.5	21,000	37.5	206.2	18,900	45.2	213.8	16,800				145
150										22.0	181.7	19,900	33.3	199.1	17,900	41.7	208.5	16,000				150
155										14.4	166.5	19,000	28.7	190.8	17,100	38.0	202.5	15,200	45.3	208.5	13,300	155
160													23.3	180.5	16,300	33.9	195.6	14,500	41.8	203.3	12,700	160
165													16.2	166.6	15,500	29.3	187.5	13,800	38.1	197.3	12,000	165
170																24.0	177.5	13,100	34.1	190.5	11,500	170
180																4.6	138.3	11,800	24.3	172.5	10,400	180
190																			5.7	135.2	9,300	190

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
 Boom No. 78T With Heavy Lift Top
 95,400 Lb. Crane Counterweight
 25,000 Lb. 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



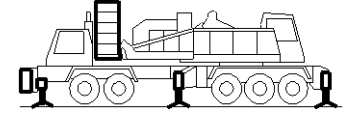
130 Ft. Boom, 130 Ft. Jib

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	40,800 *													90
95	48.7	239.0	32,400 *	55.1	247.0	37,200 *	58.7	250.4	39,200 *													95
100	45.7	234.4	30,100 *	52.4	243.4	35,800 *	56.1	247.2	37,500 *	61.9	251.4	34,600										100
105	42.5	229.2	27,900 *	49.5	239.3	33,300 *	53.4	243.7	35,200 *	59.4	248.6	32,400										105
110	39.1	223.4	26,000 *	46.6	234.8	30,900 *	50.6	239.8	33,200 *	56.8	245.5	30,400										110
115	35.5	216.8	24,300 *	43.5	229.8	28,700 *	47.7	235.5	31,400 *	54.1	242.0	28,700										115
120	31.5	209.3	22,700 *	40.2	224.2	26,700 *	44.6	230.7	29,500 *	51.3	238.2	27,000	57.3	242.5	24,400							120
125	27.0	200.3	21,300 *	36.6	217.9	24,900 *	41.4	225.3	27,500 *	48.4	234.0	25,500	54.6	239.2	23,000							125
130	21.6	189.3	19,900 *	32.7	210.7	23,300 *	38.0	219.3	25,600 *	45.4	229.3	24,200	51.9	235.4	21,800							130
135	14.5	173.9	18,000 *	28.4	202.2	21,800 *	34.2	212.4	24,000 *	42.2	224.1	22,900	49.0	231.3	20,600							135
140				23.4	191.9	20,400 *	30.1	204.5	22,400 *	38.9	218.3	21,800	46.0	226.7	19,600	52.2	231.4	17,400				140
145				17.0	178.3	19,100 *	25.3	194.9	21,000 *	35.2	211.6	20,700	42.9	221.6	18,600	49.4	227.4	16,500				145
150				5.7	153.4	16,500 *	19.6	182.8	19,600 *	31.2	204.0	19,700	39.5	215.9	17,700	46.4	222.8	15,700				150
155							11.3	164.7	18,300 *	26.6	194.9	18,800	35.9	209.5	16,800	43.3	217.8	14,900				155
160										21.2	183.6	17,900	32.0	202.0	16,000	40.0	212.2	14,100	46.5	217.6	12,300	160
165										13.8	167.8	17,000	27.6	193.3	15,200	36.4	205.8	13,500	43.4	212.6	11,700	165
170													22.3	182.6	14,500	32.5	198.6	12,800	40.1	207.0	11,100	170
180																23.1	179.6	11,600	32.7	193.5	10,100	180
190																4.4	138.7	10,500	23.3	174.6	9,100	190
200																			5.5	135.6	8,200	200

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
25,000 Lb. 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



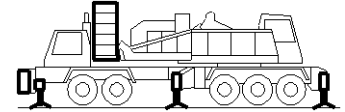
130 Ft. Boom, 140 Ft. Jib

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	33,100 *	61.8	260.1	32,000										105
110	43.9	238.5	25,800 *	50.3	248.2	29,900 *	53.9	252.4	31,700 *	59.4	257.2	30,000										110
115	40.9	233.0	24,100 *	47.6	243.8	28,500 *	51.3	248.6	30,400 *	57.0	254.1	28,200										115
120	37.6	226.9	22,500 *	44.8	239.0	26,500 *	48.6	244.4	29,200 *	54.5	250.7	26,600										120
125	34.2	220.0	21,100 *	41.8	233.7	24,700 *	45.9	239.8	27,300 *	52.0	247.0	25,100	57.5	251.2	22,600							125
130	30.3	212.0	19,800 *	38.6	227.8	23,100 *	42.9	234.7	25,400 *	49.3	242.9	23,800	55.0	247.9	21,300							130
135	26.0	202.7	18,500 *	35.2	221.2	21,600 *	39.8	229.0	23,800 *	46.6	238.4	22,500	52.5	244.2	20,200							135
140	20.8	191.1	17,300 *	31.5	213.6	20,300 *	36.5	222.6	22,200 *	43.7	233.4	21,400	49.9	240.2	19,100							140
145	14.0	175.2	15,700 *	27.4	204.7	19,000 *	32.9	215.4	20,800 *	40.6	227.9	20,300	47.1	235.8	18,100	52.8	240.2	16,000				145
150				22.5	193.9	17,800 *	29.0	207.1	19,500 *	37.4	221.7	19,300	44.3	230.9	17,200	50.2	236.2	15,200				150
155				16.3	179.8	16,700 *	24.4	197.1	18,300 *	33.9	214.7	18,400	41.3	225.5	16,400	47.5	231.9	14,400				155
160				5.5	153.9	14,400 *	18.8	184.5	17,100 *	30.0	206.7	17,500	38.0	219.4	15,600	44.6	227.0	13,700				160
165							10.8	165.6	16,000 *	25.6	197.2	16,700	34.6	212.6	14,800	41.6	221.7	13,000	47.6	226.6	11,200	165
170										20.4	185.5	15,900	30.8	204.9	14,100	38.5	215.8	12,400	44.8	221.8	10,700	170
180													21.5	184.5	12,800	31.3	201.4	11,200	38.6	210.6	9,600	180
190																22.2	181.6	10,200	31.5	196.3	8,700	190
200																4.3	139.1	9,200	22.4	176.7	7,800	200
210																			5.3	136.1	7,000	210

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
 Boom No. 78T With Heavy Lift Top
 95,400 Lb. Crane Counterweight
 25,000 Lb. 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



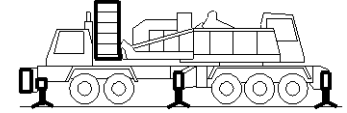
130 Ft. Boom, 150 Ft. Jib

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	29,900										110
115	45.1	247.7	23,200 *	51.0	257.0	26,000 *	54.3	261.1	27,700 *	59.5	265.9	28,100										115
120	42.3	242.4	22,200 *	48.5	252.8	24,800 *	51.9	257.4	26,500 *	57.2	262.8	26,500										120
125	39.4	236.7	21,100 *	45.9	248.1	23,700 *	49.5	253.3	25,300 *	54.9	259.5	25,000										125
130	36.3	230.2	19,800 *	43.2	243.1	22,700 *	46.9	248.8	24,200 *	52.5	255.8	23,700	57.7	259.9	21,200							130
135	33.0	223.0	18,600 *	40.3	237.5	21,600 *	44.2	243.9	23,100 *	50.1	251.8	22,400	55.4	256.6	20,000							135
140	29.3	214.7	17,400 *	37.3	231.2	20,300 *	41.4	238.5	22,100 *	47.5	247.4	21,300	53.0	253.0	19,000							140
145	25.1	205.0	16,400 *	34.0	224.3	19,000 *	38.4	232.6	20,800 *	44.9	242.6	20,200	50.6	249.0	18,000							145
150	20.1	192.9	15,400 *	30.4	216.3	17,900 *	35.2	225.9	19,500 *	42.1	237.3	19,200	48.1	244.7	17,100							150
155	13.5	176.4	13,900 *	26.4	207.1	16,800 *	31.8	218.3	18,300 *	39.2	231.5	18,300	45.4	240.0	16,300	50.9	245.1	14,300				155
160				21.7	195.9	15,800 *	28.0	209.6	17,200 *	36.1	225.0	17,400	42.7	234.9	15,500	48.4	240.8	13,600				160
165				15.8	181.2	14,800 *	23.6	199.3	16,200 *	32.7	217.7	16,600	39.8	229.2	14,700	45.8	236.2	12,900				165
170				5.3	154.3	12,800 *	18.2	186.1	15,200 *	29.0	209.4	15,900	36.7	222.8	14,000	43.1	231.1	12,300				170
180										19.7	187.2	14,500	29.7	207.6	12,800	37.1	219.2	11,100	43.2	225.9	9,500	180
190													20.8	186.4	11,600	30.2	204.2	10,100	37.2	214.0	8,500	190
200																21.4	183.5	9,100	30.4	199.1	7,700	200
210																4.1	139.4	8,200	21.7	178.6	6,900	210
220																			5.1	136.6	6,200	220

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
25,000 Lb. 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



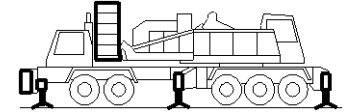
130 Ft. Boom, 160 Ft. Jib

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	27,100 *										115
120	46.1	256.8	19,400 *	51.6	265.8	22,000 *	54.7	269.9	23,600 *	59.5	274.6	26,000 *										120
125	43.6	251.7	18,500 *	49.3	261.7	21,000 *	52.5	266.2	22,500 *	57.4	271.5	24,600 *										125
130	40.9	246.2	17,600 *	46.9	257.2	19,900 *	50.2	262.2	21,400 *	55.2	268.2	23,300 *										130
135	38.1	240.2	16,700 *	44.4	252.3	18,900 *	47.8	257.8	20,300 *	53.0	264.5	22,000 *	57.8	268.6	19,600 *							135
140	35.1	233.4	15,900 *	41.8	247.0	18,000 *	45.3	253.1	19,300 *	50.7	260.6	20,900 *	55.7	265.3	18,600 *							140
145	31.9	225.9	15,100 *	39.0	241.1	17,100 *	42.7	247.9	18,400 *	48.4	256.4	19,800 *	53.5	261.7	17,600 *							145
150	28.3	217.3	14,400 *	36.1	234.6	16,200 *	40.0	242.2	17,500 *	46.0	251.7	18,800 *	51.2	257.9	16,700 *							150
155	24.3	207.2	13,700 *	32.9	227.3	15,400 *	37.2	236.0	16,600 *	43.4	246.7	17,900 *	48.9	253.7	15,800 *							155
160	19.5	194.7	13,100 *	29.4	219.0	14,700 *	34.1	229.0	15,800 *	40.7	241.1	17,000 *	46.4	249.1	15,100 *	51.5	253.9	13,100 *				160
165	13.1	177.6	12,100 *	25.6	209.4	14,000 *	30.8	221.1	15,000 *	37.9	235.0	16,200 *	43.9	244.1	14,300 *	49.2	249.7	12,400 *				165
170				21.0	197.8	13,400 *	27.0	212.1	14,300 *	34.9	228.2	15,500 *	41.3	238.7	13,600 *	46.8	245.2	11,800 *				170
180				5.2	154.8	11,200 *	17.6	187.7	13,000 *	28.0	211.9	14,100 *	35.5	226.1	12,400 *	41.6	234.9	10,700 *	46.9	240.0	9,000 *	180
190										19.0	188.9	12,900 *	28.8	210.2	11,200 *	35.9	222.5	9,600 *	41.7	229.7	8,100 *	190
200													20.1	188.2	10,200 *	29.2	206.8	8,700 *	36.0	217.3	7,300 *	200
210																20.8	185.4	7,900 *	29.4	201.8	6,500 *	210
220																4.0	139.8	7,100 *	21.0	180.5	5,800 *	220
230																			4.9	137.0	5,100 *	230

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
 Boom No. 78T With Heavy Lift Top
 95,400 Lb. Crane Counterweight
 25,000 Lb. 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



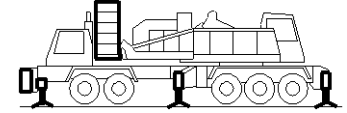
130 Ft. Boom, 170 Ft. Jib

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	23,600 *										120
125	47.0	265.8	16,400 *	52.1	274.6	18,800 *	55.0	278.6	20,300 *	59.5	283.2	22,500 *										125
130	44.7	260.9	15,600 *	50.0	270.6	17,800 *	52.9	274.9	19,200 *	57.5	280.2	21,500 *										130
135	42.2	255.7	14,700 *	47.7	266.2	16,900 *	50.8	271.0	18,200 *	55.5	276.9	20,500 *										135
140	39.7	249.9	13,900 *	45.4	261.4	16,000 *	48.6	266.8	17,300 *	53.4	273.3	19,400 *	57.9	277.2	18,200							140
145	36.9	243.6	13,100 *	43.0	256.3	15,100 *	46.3	262.2	16,300 *	51.3	269.4	18,400 *	55.9	274.0	17,300							145
150	34.0	236.6	12,400 *	40.5	250.7	14,300 *	43.9	257.2	15,400 *	49.1	265.3	17,500 *	53.9	270.5	16,400							150
155	30.9	228.7	11,700 *	37.8	244.6	13,500 *	41.4	251.8	14,600 *	46.9	260.8	16,600 *	51.7	266.7	15,500							155
160	27.5	219.8	10,800 *	34.9	237.8	12,700 *	38.8	245.8	13,800 *	44.5	255.9	15,700 *	49.6	262.6	14,700							160
165	23.5	209.3	10,000 *	31.9	230.2	12,000 *	36.0	239.3	13,000 *	42.0	250.6	14,800 *	47.3	258.1	14,000	52.0	262.7	12,100				165
170	18.9	196.4	9,200 *	28.5	221.6	11,100 *	33.0	232.0	12,300 *	39.5	244.8	14,000 *	45.0	253.3	13,300	49.9	258.6	11,500				170
180				20.4	199.6	9,500 *	26.2	214.4	10,600 *	33.8	231.3	12,500 *	40.0	242.4	12,100	45.3	249.5	10,300				180
190				5.0	155.2	8,200 *	17.1	189.2	9,000 *	27.2	214.4	10,800 *	34.4	229.2	10,900	40.3	238.7	9,300	45.4	244.3	7,800	190
200										18.5	190.6	9,200 *	27.9	212.7	9,900	34.8	225.7	8,400	40.4	233.5	6,900	200
210													19.5	189.9	9,000	28.3	209.4	7,600	34.9	220.5	6,200	210
220																20.1	187.2	6,800	28.5	204.4	5,500	220
230																3.9	140.1	6,100	20.3	182.3	4,900	230
240																			4.8	137.4	4,300	240

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
25,000 Lb. 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



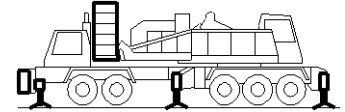
140 Ft. Boom, 70 Ft. Jib

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	49,700 *	56.5	204.7	45,600 *										80
85				25.6	180.6	46,600 *	37.2	191.5	46,800 *	51.4	201.1	43,300 *										85
90				13.3	166.4	41,000 *	29.8	183.9	43,800 *	46.0	196.7	41,100										90
95							20.0	173.1	41,200 *	40.0	191.3	38,400	53.3	198.7	34,900							95
100										33.1	184.6	35,900	48.0	194.6	32,700							100
105										24.6	175.5	33,700	42.2	189.6	30,600							105
110										11.3	160.0	31,600	35.7	183.4	28,800	49.6	191.0	26,000				110
115													28.0	175.4	27,100	44.0	186.3	24,500				115
120													17.3	163.4	25,600	37.7	180.5	23,100				120
125																30.4	173.1	21,800	45.1	181.5	19,500	125
130																20.9	162.7	20,600	39.0	176.0	18,400	130
135																			31.9	168.9	17,400	135
140																			23.1	159.3	16,500	140
145																			7.5	141.0	15,600	145

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
 Boom No. 78T With Heavy Lift Top
 95,400 Lb. Crane Counterweight
 25,000 Lb. 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



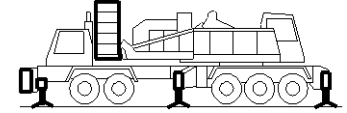
140 Ft. Boom, 80 Ft. Jib

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.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib 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	71.4	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	49,400 *	61.1	216.4	45,000 *										80
85	19.3	177.8	37,000 *	37.9	199.5	46,200 *	45.8	206.5	46,400 *	56.9	213.4	42,900 *										85
90				31.6	192.2	43,200 *	40.6	201.2	43,400 *	52.5	209.9	40,700										90
95				23.9	182.7	39,600 *	34.7	194.7	40,700 *	47.9	205.7	37,900										95
100				12.4	167.5	34,800 *	27.8	186.5	38,300 *	42.8	200.8	35,500	54.2	207.4	32,200							100
105							18.7	174.8	36,100 *	37.3	194.8	33,300	49.6	203.5	30,100							105
110										30.9	187.5	31,300	44.7	198.9	28,300							110
115										23.0	177.6	29,500	39.4	193.3	26,700	51.0	199.9	23,900				115
120										10.5	161.0	27,800	33.3	186.5	25,200	46.2	195.5	22,600				120
125													26.1	177.8	23,800	41.0	190.2	21,300				125
130													16.2	164.9	22,500	35.2	183.8	20,200	47.1	190.6	17,900	130
135																28.4	175.7	19,100	42.0	185.5	16,900	135
140																19.6	164.5	18,100	36.4	179.4	16,000	140
145																			29.8	171.7	15,200	145
150																			21.6	161.3	14,400	150
155																			7.0	141.6	13,700	155

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
25,000 Lb. 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



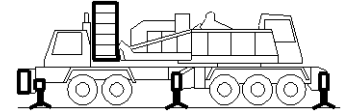
140 Ft. Boom, 90 Ft. Jib

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	48,300 *													80
85	33.0	200.4	38,100 *	45.5	214.5	45,800 *	51.7	219.8	45,900 *	61.0	225.1	41,800 *										85
90	26.5	191.6	35,000 *	40.8	209.1	42,800 *	47.5	215.5	43,000 *	57.3	222.1	39,900 *										90
95	18.2	179.5	31,600 *	35.7	202.8	39,900 *	43.1	210.6	40,300 *	53.4	218.6	37,600										95
100				29.8	195.0	36,600 *	38.2	204.8	37,900 *	49.3	214.6	35,200										100
105				22.5	184.8	33,700 *	32.7	197.7	35,700 *	45.0	210.0	33,000	54.8	216.1	29,800							105
110				11.7	168.6	30,000 *	26.2	188.9	33,800 *	40.3	204.6	31,000	50.8	212.3	28,000							110
115							17.6	176.4	32,000 *	35.1	198.1	29,200	46.6	208.0	26,400							115
120										29.1	190.1	27,600	42.0	202.8	24,900	52.0	208.7	22,200				120
125										21.6	179.6	26,100	37.0	196.8	23,500	47.9	204.5	21,000				125
130										9.9	161.9	24,700	31.4	189.4	22,300	43.4	199.6	19,900				130
135													24.6	180.0	21,100	38.5	193.8	18,800				135
140													15.2	166.2	20,000	33.1	186.9	17,900	44.3	194.8	15,700	140
145																26.7	178.2	17,000	39.5	189.2	14,900	145
150																18.4	166.2	16,100	34.2	182.5	14,100	150
155																			28.1	174.3	13,400	155
160																			20.3	163.1	12,800	160
165																			6.6	142.2	12,100	165

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
 Boom No. 78T With Heavy Lift Top
 95,400 Lb. Crane Counterweight
 25,000 Lb. 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



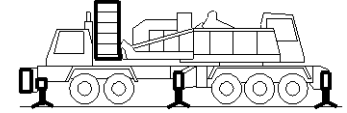
140 Ft. Boom, 100 Ft. Jib

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	45,000 *													85
90	36.4	210.7	35,100 *	47.1	223.5	42,300 *	52.6	228.6	42,500 *	60.9	233.7	38,900 *										90
95	31.2	203.2	32,400 *	43.0	218.5	39,600 *	48.9	224.5	39,800 *	57.6	230.8	37,200 *										95
100	25.2	193.9	30,000 *	38.6	212.7	36,600 *	45.0	219.8	37,400 *	54.1	227.4	34,700										100
105	17.2	181.0	27,200 *	33.8	205.9	33,800 *	40.7	214.4	35,200 *	50.5	223.5	32,600										105
110				28.2	197.6	31,300 *	36.1	208.1	33,200 *	46.6	219.1	30,600	55.4	224.8	27,500							110
115				21.4	186.7	28,900 *	30.9	200.6	31,400 *	42.6	214.0	28,800	51.8	221.2	25,900							115
120				11.1	169.6	25,900 *	24.8	191.1	29,800 *	38.1	208.1	27,200	48.1	217.0	24,400							120
125							16.7	178.0	27,800 *	33.2	201.2	25,700	44.1	212.1	23,100	52.9	217.4	20,500				125
130										27.6	192.6	24,400	39.8	206.6	21,800	49.2	213.4	19,400				130
135										20.5	181.4	23,100	35.1	200.0	20,700	45.3	208.8	18,300				135
140										9.4	162.7	21,900	29.7	192.2	19,600	41.1	203.4	17,400				140
145													23.3	182.1	18,700	36.5	197.2	16,500	46.0	203.9	14,400	145
150													14.5	167.5	17,700	31.4	189.8	15,700	41.9	198.7	13,600	150
155																25.3	180.5	14,900	37.4	192.7	12,900	155
160																17.5	167.7	14,100	32.4	185.5	12,300	160
165																			26.6	176.7	11,700	165
170																			19.3	164.9	11,100	170

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
25,000 Lb. 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



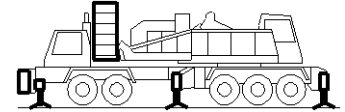
140 Ft. Boom, 110 Ft. Jib

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	44,200 *													85
90	43.0	226.3	35,300 *	51.7	236.7	42,200 *	56.5	240.9	42,200 *													90
95	39.0	220.6	32,700 *	48.3	232.5	39,500 *	53.3	237.3	39,700 *	60.8	242.4	36,500 *										95
100	34.6	213.9	30,300 *	44.7	227.7	36,800 *	50.0	233.4	37,300 *	57.8	239.4	34,600										100
105	29.7	205.9	28,100 *	40.9	222.4	34,000 *	46.5	228.9	35,100 *	54.6	236.1	32,500										105
110	24.0	196.1	26,200 *	36.8	216.1	31,500 *	42.8	223.8	33,100 *	51.4	232.3	30,500										110
115	16.4	182.5	23,800 *	32.2	208.9	29,300 *	38.8	218.0	31,300 *	48.0	228.1	28,700	55.8	233.5	25,800							115
120				26.9	200.0	27,200 *	34.4	211.3	29,700 *	44.4	223.3	27,100	52.6	229.9	24,300							120
125				20.4	188.6	25,300 *	29.5	203.3	28,200 *	40.5	217.8	25,700	49.2	225.9	23,000							125
130				10.6	170.5	22,800 *	23.6	193.3	26,300 *	36.3	211.5	24,300	45.7	221.3	21,800							130
135							16.0	179.4	24,400 *	31.6	204.1	23,100	41.9	216.1	20,600	50.2	222.3	18,200				135
140										26.3	195.0	21,900	37.9	210.1	19,600	46.7	217.8	17,300				140
145										19.6	183.2	20,800	33.4	203.1	18,600	43.0	212.8	16,400				145
150										9.0	163.5	19,800	28.3	194.8	17,700	39.1	207.1	15,600	47.4	212.9	13,500	150
155													22.2	184.2	16,900	34.7	200.4	14,800	43.8	208.0	12,900	155
160													13.8	168.8	16,000	29.9	192.5	14,100	39.9	202.4	12,200	160
165																24.1	182.7	13,400	35.6	196.0	11,600	165
170																16.7	169.2	12,800	30.9	188.4	11,000	170
180																			18.3	166.5	10,000	180

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
 Boom No. 78T With Heavy Lift Top
 95,400 Lb. Crane Counterweight
 25,000 Lb. 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



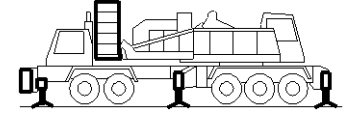
140 Ft. Boom, 120 Ft. Jib

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	38,400 *													95
100	41.0	230.2	30,400 *	49.4	241.4	36,800 *	53.9	246.1	36,800 *	60.7	251.1	33,200 *										100
105	37.3	224.0	28,200 *	46.2	236.9	34,100 *	50.8	242.2	34,800 *	58.0	248.1	31,900 *										105
110	33.1	216.9	26,300 *	42.7	231.8	31,600 *	47.7	237.9	32,800 *	55.1	244.8	30,100										110
115	28.4	208.5	24,500 *	39.1	226.0	29,300 *	44.4	233.1	31,000 *	52.1	241.1	28,300										115
120	22.9	198.1	22,900 *	35.1	219.4	27,300 *	40.9	227.7	29,300 *	49.0	237.0	26,700	56.2	242.2	23,900							120
125	15.7	183.9	20,800 *	30.7	211.7	25,500 *	37.1	221.5	27,800 *	45.8	232.4	25,300	53.2	238.7	22,500							125
130				25.7	202.4	23,800 *	32.9	214.3	26,400 *	42.4	227.3	23,900	50.2	234.7	21,300							130
135				19.5	190.3	22,200 *	28.2	205.9	24,600 *	38.7	221.4	22,700	47.0	230.3	20,200							135
140				10.1	171.4	20,000 *	22.6	195.3	23,000 *	34.7	214.7	21,500	43.6	225.4	19,100	51.1	231.1	16,800				140
145							15.3	180.8	21,400 *	30.3	206.8	20,500	40.1	219.8	18,200	47.9	226.8	15,900				145
150										25.1	197.3	19,500	36.2	213.4	17,300	44.6	222.0	15,100				150
155										18.7	184.9	18,600	31.9	206.0	16,400	41.1	216.7	14,400				155
160										8.6	164.3	17,700	27.1	197.2	15,700	37.4	210.5	13,700	45.3	217.2	11,700	160
165													21.3	186.1	14,900	33.2	203.5	13,000	41.8	211.9	11,100	165
170													13.2	170.0	14,200	28.6	195.1	12,400	38.1	206.0	10,600	170
180																15.9	170.7	11,200	29.5	191.1	9,500	180
190																			17.6	168.1	8,600	190

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
25,000 Lb. 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



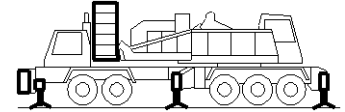
140 Ft. Boom, 130 Ft. Jib

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	37,500 *													95
100	45.9	244.7	30,200 *	53.1	254.2	36,100 *	57.0	258.2	36,100 *													100
105	42.7	239.6	28,100 *	50.2	250.3	34,000 *	54.4	254.8	34,400 *	60.7	259.7	31,200 *										105
110	39.4	233.8	26,200 *	47.3	245.9	31,500 *	51.6	251.0	32,400 *	58.1	256.8	29,800 *										110
115	35.7	227.3	24,500 *	44.2	241.0	29,200 *	48.7	246.9	30,600 *	55.5	253.5	28,000 *										115
120	31.8	219.8	22,900 *	41.0	235.6	27,200 *	45.7	242.2	29,000 *	52.8	249.9	26,400 *										120
125	27.3	211.0	21,400 *	37.5	229.5	25,400 *	42.6	237.1	27,400 *	49.9	245.9	25,000 *	56.5	250.9	22,200 *							125
130	22.0	200.1	20,000 *	33.7	222.5	23,700 *	39.2	231.3	26,000 *	47.0	241.5	23,600 *	53.8	247.4	21,000 *							130
135	15.1	185.3	18,200 *	29.5	214.4	22,200 *	35.6	224.7	24,600 *	43.9	236.5	22,400 *	51.0	243.6	19,900 *							135
140				24.7	204.6	20,800 *	31.6	217.2	23,000 *	40.6	231.0	21,300 *	48.1	239.3	18,800 *							140
145				18.7	192.0	19,400 *	27.1	208.3	21,500 *	37.1	224.8	20,200 *	45.1	234.6	17,900 *	51.8	239.9	15,600 *				145
150				9.7	172.3	17,600 *	21.7	197.3	20,100 *	33.3	217.8	19,200 *	41.9	229.3	17,000 *	48.9	235.8	14,800 *				150
155							14.7	182.1	18,800 *	29.0	209.5	18,300 *	38.4	223.4	16,200 *	46.0	231.2	14,000 *				155
160										24.1	199.5	17,400 *	34.7	216.6	15,400 *	42.8	226.1	13,300 *				160
165										18.0	186.5	16,600 *	30.7	208.8	14,600 *	39.4	220.3	12,700 *	46.5	226.3	10,800 *	165
170										8.3	165.0	15,800 *	26.0	199.6	14,000 *	35.8	213.8	12,100 *	43.4	221.3	10,200 *	170
180													12.7	171.1	12,700 *	27.4	197.6	10,900 *	36.6	209.4	9,200 *	180
190																15.3	172.0	9,900 *	28.4	193.6	8,300 *	190
200																			16.9	169.6	7,500 *	200

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
 Boom No. 78T With Heavy Lift Top
 95,400 Lb. Crane Counterweight
 25,000 Lb. 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



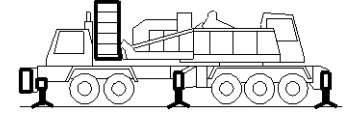
140 Ft. Boom, 140 Ft. Jib

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	34,800 *													100
105	47.0	253.7	27,900 *	53.6	263.0	31,500 *	57.2	266.9	33,400 *	63.0	271.1	30,200 *										105
110	44.1	248.8	26,000 *	51.0	259.1	30,200 *	54.8	263.5	31,900 *	60.6	268.4	29,100 *										110
115	41.1	243.4	24,300 *	48.3	254.8	28,900 *	52.2	259.8	30,100 *	58.3	265.4	27,600										115
120	37.9	237.3	22,700 *	45.5	250.2	27,000 *	49.6	255.8	28,500 *	55.8	262.2	26,000										120
125	34.4	230.5	21,200 *	42.6	245.0	25,200 *	46.8	251.3	26,900 *	53.3	258.6	24,500										125
130	30.6	222.6	19,900 *	39.4	239.2	23,500 *	44.0	246.4	25,600 *	50.7	254.7	23,200	56.7	259.6	20,500							130
135	26.3	213.4	18,600 *	36.1	232.8	22,000 *	40.9	240.9	24,300 *	48.0	250.4	22,000	54.2	256.2	19,400							135
140	21.2	202.0	17,500 *	32.5	225.4	20,600 *	37.7	234.8	22,800 *	45.2	245.7	20,900	51.7	252.4	18,400							140
145	14.6	186.6	15,900 *	28.4	216.9	19,300 *	34.2	227.9	21,300 *	42.2	240.5	19,800	49.0	248.2	17,400							145
150				23.8	206.7	18,100 *	30.4	220.0	20,000 *	39.1	234.7	18,800	46.2	243.7	16,500	52.4	248.7	14,300				150
155				18.0	193.6	17,000 *	26.1	210.7	18,700 *	35.7	228.1	17,900	43.3	238.6	15,700	49.8	244.6	13,600				155
160				9.4	173.1	15,400 *	20.9	199.2	17,600 *	32.1	220.7	17,100	40.3	233.0	15,000	47.1	240.2	12,900				160
165							14.1	183.3	16,400 *	28.0	212.0	16,300	37.0	226.8	14,200	44.2	235.3	12,200				165
170										23.2	201.6	15,500	33.4	219.7	13,500	41.2	229.9	11,600	47.6	235.3	9,700	170
180										8.0	165.8	14,100	25.1	201.8	12,300	34.5	217.0	10,500	41.8	225.2	8,700	180
190													12.2	172.2	11,200	26.4	200.0	9,500	35.2	212.6	7,800	190
200																14.7	173.4	8,600	27.3	196.1	7,000	200
210																			16.2	171.1	6,300	210

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
25,000 Lb. 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



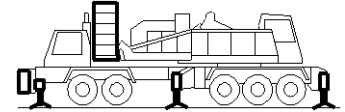
140 Ft. Boom, 150 Ft. Jib

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	28,300 *										110
115	45.3	258.0	23,300 *	51.6	267.9	26,300 *	55.1	272.2	28,100 *	60.6	277.1	27,400 *										115
120	42.5	252.8	22,200 *	49.1	263.8	25,100 *	52.8	268.6	26,900 *	58.4	274.1	25,900 *										120
125	39.6	247.1	21,200 *	46.6	259.2	24,000 *	50.3	264.6	25,700 *	56.1	270.9	24,400 *										125
130	36.5	240.7	19,900 *	43.9	254.3	23,000 *	47.8	260.3	24,600 *	53.8	267.4	23,100 *										130
135	33.2	233.5	18,700 *	41.0	248.8	22,000 *	45.2	255.5	23,600 *	51.4	263.6	21,900 *	56.9	268.3	19,300 *							135
140	29.5	225.3	17,500 *	38.0	242.8	20,600 *	42.4	250.3	22,500 *	48.9	259.4	20,700 *	54.6	264.9	18,300 *							140
145	25.4	215.7	16,500 *	34.8	236.0	19,400 *	39.5	244.5	21,300 *	46.3	254.8	19,700 *	52.3	261.2	17,300 *							145
150	20.5	203.9	15,500 *	31.3	228.3	18,200 *	36.4	238.1	20,000 *	43.6	249.8	18,700 *	49.8	257.1	16,400 *							150
155	14.1	187.8	14,100 *	27.4	219.4	17,100 *	33.0	230.9	18,800 *	40.7	244.3	17,800 *	47.2	252.7	15,600 *	52.9	257.4	13,400 *				155
160				22.9	208.8	16,000 *	29.3	222.6	17,600 *	37.7	238.2	17,000 *	44.6	247.9	14,800 *	50.5	253.5	12,700 *				160
165				17.4	195.2	15,000 *	25.2	212.9	16,600 *	34.5	231.3	16,200 *	41.8	242.5	14,100 *	48.0	249.2	12,100 *				165
170				9.1	173.9	13,600 *	20.2	201.0	15,600 *	30.9	223.5	15,400 *	38.8	236.6	13,400 *	45.4	244.5	11,500 *				170
180										22.4	203.6	14,100 *	32.3	222.6	12,200 *	39.7	233.6	10,400 *	45.9	239.6	8,600 *	180
190										7.7	166.4	12,800 *	24.2	204.0	11,100 *	33.3	220.1	9,400 *	40.3	228.9	7,700 *	190
200													11.8	173.2	10,100 *	25.5	202.3	8,500 *	34.0	215.7	6,900 *	200
210																14.2	174.6	7,700 *	26.4	198.5	6,200 *	210
220																			15.7	172.5	5,500 *	220

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
 Boom No. 78T With Heavy Lift Top
 95,400 Lb. Crane Counterweight
 25,000 Lb. 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



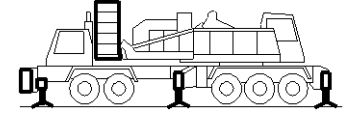
140 Ft. Boom, 160 Ft. Jib

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	26,300 *										115
120	46.3	267.1	19,500 *	52.2	276.7	22,300 *	55.4	280.9	24,000 *	60.6	285.7	25,400 *										120
125	43.8	262.1	18,500 *	49.9	272.6	21,200 *	53.2	277.3	22,900 *	58.5	282.8	24,000 *										125
130	41.1	256.6	17,600 *	47.5	268.2	20,200 *	51.0	273.4	21,800 *	56.4	279.6	22,700 *										130
135	38.3	250.6	16,800 *	45.0	263.5	19,200 *	48.6	269.2	20,700 *	54.2	276.1	21,500 *										135
140	35.3	243.9	16,000 *	42.4	258.2	18,200 *	46.2	264.6	19,700 *	51.9	272.3	20,300 *	57.1	277.0	17,800 *							140
145	32.1	236.4	15,200 *	39.7	252.5	17,300 *	43.7	259.6	18,800 *	49.6	268.3	19,300 *	55.0	273.6	16,900 *							145
150	28.6	227.9	14,400 *	36.8	246.1	16,500 *	41.0	254.1	17,800 *	47.2	263.8	18,300 *	52.8	269.9	16,000 *							150
155	24.6	217.9	13,800 *	33.7	239.1	15,700 *	38.2	248.1	17,000 *	44.7	259.0	17,400 *	50.5	266.0	15,200 *							155
160	19.8	205.7	13,200 *	30.3	231.1	14,900 *	35.2	241.4	16,100 *	42.1	253.7	16,600 *	48.1	261.7	14,400 *							160
165	13.6	189.0	12,300 *	26.5	221.8	14,200 *	31.9	233.8	15,300 *	39.4	247.9	15,800 *	45.7	257.0	13,700 *	51.1	262.3	11,600 *				165
170				22.2	210.8	13,600 *	28.4	225.2	14,600 *	36.5	241.5	15,100 *	43.1	251.9	13,000 *	48.8	258.1	11,000 *				170
180				8.8	174.7	11,900 *	19.6	202.7	13,300 *	29.9	226.2	13,700 *	37.6	240.1	11,800 *	43.8	248.6	9,900 *				180
190										21.7	205.6	12,500 *	31.2	225.5	10,700 *	38.4	237.1	9,000 *	44.4	243.8	7,300 *	190
200										7.4	167.1	11,400 *	23.4	206.1	9,700 *	32.2	223.0	8,100 *	39.0	232.5	6,500 *	200
210													11.4	174.2	8,800 *	24.7	204.5	7,300 *	32.9	218.7	5,800 *	210
220																13.8	175.9	6,500 *	25.5	200.8	5,100 *	220
230																			15.2	173.8	4,500 *	230

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
25,000 Lb. 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	24,000 *										120
125	47.2	276.1	16,500 *	52.7	285.5	19,100 *	55.7	289.6	20,700 *	60.5	294.4	23,000 *										125
130	44.9	271.3	15,600 *	50.5	281.5	18,100 *	53.6	286.1	19,600 *	58.6	291.4	22,000 *										130
135	42.4	266.0	14,800 *	48.3	277.2	17,100 *	51.5	282.3	18,600 *	56.6	288.3	21,000 *										135
140	39.9	260.3	14,000 *	46.0	272.6	16,200 *	49.3	278.1	17,600 *	54.5	284.8	20,000 *										140
145	37.1	254.0	13,200 *	43.6	267.5	15,300 *	47.1	273.7	16,700 *	52.4	281.1	19,000 *	57.3	285.6	16,500							145
150	34.3	247.1	12,500 *	41.1	262.0	14,500 *	44.7	268.8	15,800 *	50.3	277.1	18,000 *	55.3	282.3	15,700							150
155	31.1	239.3	11,800 *	38.5	256.0	13,700 *	42.3	263.5	14,900 *	48.0	272.8	17,100 *	53.2	278.7	14,800							155
160	27.7	230.4	10,900 *	35.7	249.4	12,900 *	39.7	257.8	14,100 *	45.7	268.1	16,200 *	51.1	274.8	14,100							160
165	23.8	220.1	10,100 *	32.7	242.0	12,200 *	37.0	251.5	13,300 *	43.3	263.0	15,300 *	48.9	270.6	13,400							165
170	19.2	207.4	9,300 *	29.4	233.7	11,400 *	34.1	244.5	12,600 *	40.8	257.5	14,500 *	46.6	266.1	12,700	51.7	271.1	10,700				170
180				21.5	212.7	9,700 *	27.5	227.7	10,900 *	35.4	244.7	12,900 *	41.7	255.8	11,500	47.3	262.6	9,600				180
190				8.5	175.5	8,300 *	19.0	204.4	9,300 *	29.0	228.9	11,400 *	36.4	243.4	10,400	42.5	252.5	8,600	47.7	257.7	6,900	190
200										21.1	207.4	9,700 *	30.3	228.2	9,400	37.2	240.5	7,800	43.0	247.8	6,100	200
210										7.2	167.7	8,300 *	22.7	208.2	8,500	31.2	225.8	7,000	37.8	236.0	5,400	210
220													11.1	175.2	7,700	23.9	206.7	6,200	31.8	221.6	4,800	220
230																13.4	177.1	5,600	24.7	203.0	4,200	230

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On

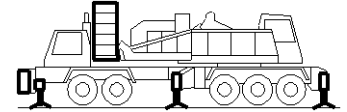
Boom No. 78T With Heavy Lift Top

95,400 Lb. Crane Counterweight

25,000 Lb. 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



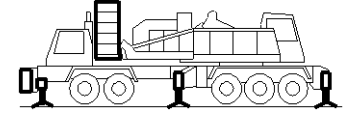
150 Ft. Boom, 70 Ft. Jib

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	70,100 *	62.9	222.5	74,700 *b																55
60	44.2	210.2	62,100 *	58.2	219.7	68,100 *b	65.5	222.7	67,900 *b													60
65	38.0	204.5	55,500 *	53.2	216.3	62,100 *	60.9	220.2	62,000 *b													65
70	30.7	197.2	49,900 *	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	52,600 *													75
80				35.6	201.0	48,900 *	45.5	209.0	48,800 *	59.0	216.0	46,500 b										80
85				27.8	192.9	45,500 *	39.5	203.5	45,500 *	54.1	212.7	43,000										85
90				17.1	180.8	42,600 *	32.5	196.6	42,500 *	48.8	208.7	40,000										90
95							23.8	187.3	39,900 *	43.2	203.9	37,300	56.7	210.5	33,300							95
100							9.6	170.6	37,600 *	36.8	198.0	34,800	51.7	206.9	31,200							100
105										29.3	190.3	32,700	46.2	202.5	29,200							105
110										19.3	179.2	30,700	40.3	197.2	27,500							110
115													33.4	190.5	25,900	48.7	199.4	22,800				115
120													25.1	181.6	24,400	43.0	194.6	21,500				120
125													12.2	166.8	23,000	36.7	188.6	20,300				125
130																29.1	180.8	19,200	45.1	190.2	16,700	130
135																19.1	169.7	18,200	39.0	184.6	15,800	135
140																			31.9	177.6	15,000	140
145																			23.1	168.0	14,200	145
150																			7.5	149.7	13,400	150

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
25,000 Lb. 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



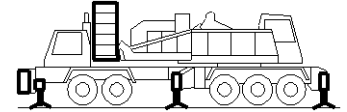
150 Ft. Boom, 80 Ft. Jib

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	56,600 *													70
75	35.5	207.8	45,700 *	49.5	221.1	52,300 *	56.6	225.8	52,200 *													75
80	28.7	199.8	41,600 *	44.7	216.5	48,500 *	52.2	222.2	48,400 *													80
85	20.0	188.8	37,500 *	39.3	210.9	45,200 *	47.5	218.0	45,100 *	59.1	224.7	42,500										85
90				33.2	204.1	42,200 *	42.5	213.0	42,100 *	54.8	221.4	39,500										90
95				26.0	195.3	39,600 *	36.8	207.0	39,500 *	50.3	217.6	36,800										95
100				16.0	182.3	36,800 *	30.4	199.4	37,100 *	45.5	213.1	34,400	57.1	219.2	30,600							100
105							22.3	189.3	35,000 *	40.2	207.7	32,300	52.8	215.6	28,700							105
110							8.9	171.4	33,100 *	34.3	201.2	30,300	48.1	211.5	27,000							110
115										27.3	192.8	28,600	43.1	206.6	25,400							115
120										18.0	180.8	27,000	37.6	200.7	24,000	50.2	208.3	21,000				120
125													31.2	193.4	22,600	45.4	203.8	19,800				125
130													23.4	183.8	21,400	40.1	198.4	18,700				130
135													11.4	167.8	20,300	34.2	191.8	17,800	47.1	199.2	15,200	135
140																27.2	183.3	16,800	42.0	194.1	14,400	140
145																17.8	171.3	15,900	36.4	188.0	13,700	145
150																			29.8	180.4	13,000	150
155																			21.6	170.0	12,300	155
160																			7.0	150.3	11,600	160

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
 Boom No. 78T With Heavy Lift Top
 95,400 Lb. Crane Counterweight
 25,000 Lb. 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



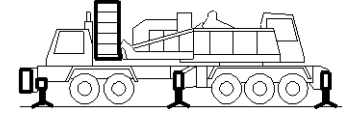
150 Ft. Boom, 90 Ft. Jib

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	51,800 *													75
80	38.8	217.7	41,900 *	50.8	230.0	48,100 *	57.0	234.5	48,000 *													80
85	33.4	210.9	38,400 *	46.5	225.6	44,800 *	53.1	231.0	44,700 *	62.9	236.1	42,200										85
90	27.0	202.3	35,200 *	42.0	220.4	41,800 *	49.0	226.9	41,700 *	59.2	233.4	39,200										90
95	18.9	190.5	32,000 *	37.0	214.4	39,200 *	44.6	222.3	39,100 *	55.4	230.2	36,500										95
100				31.3	207.0	36,800 *	39.9	216.8	36,700 *	51.5	226.4	34,100										100
105				24.5	197.5	34,400 *	34.7	210.2	34,600 *	47.3	222.2	32,000	57.5	227.8	28,400							105
110				15.1	183.6	31,500 *	28.6	202.1	32,700 *	42.8	217.2	30,100	53.6	224.4	26,700							110
115							21.0	191.2	31,000 *	37.9	211.3	28,300	49.5	220.4	25,100							115
120							8.4	172.2	29,400 *	32.3	204.1	26,700	45.2	215.8	23,700							120
125										25.7	195.1	25,300	40.5	210.4	22,400	51.4	217.1	19,500				125
130										17.0	182.4	23,900	35.3	204.0	21,200	47.2	212.8	18,400				130
135													29.4	196.1	20,100	42.7	207.8	17,400				135
140													22.1	185.8	19,000	37.8	201.9	16,500				140
145													10.8	168.8	18,000	32.2	194.7	15,700	44.3	203.4	13,300	145
150																25.6	185.7	14,900	39.5	197.9	12,600	150
155																16.8	172.8	14,100	34.2	191.2	12,000	155
160																			28.1	182.9	11,400	160
165																			20.3	171.8	10,800	165
170																			6.6	150.9	10,200	170

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
25,000 Lb. 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



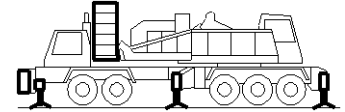
150 Ft. Boom, 100 Ft. Jib

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	51,200 *													75
80	45.4	232.6	41,800 *	55.3	242.5	47,600 *	60.6	246.2	47,400 *													80
85	41.3	227.3	38,300 *	51.7	238.8	44,300 *	57.3	243.2	44,100 *													85
90	36.7	221.2	35,300 *	48.0	234.6	41,300 *	53.8	239.7	41,200 *	62.6	244.8	38,700										90
95	31.6	213.8	32,600 *	44.0	229.7	38,700 *	50.2	235.8	38,500 *	59.3	242.0	36,000										95
100	25.6	204.6	30,100 *	39.7	224.2	36,300 *	46.3	231.4	36,200 *	55.9	238.8	33,600										100
105	17.9	192.1	27,500 *	35.0	217.6	34,200 *	42.2	226.2	34,100 *	52.4	235.2	31,500										105
110				29.6	209.7	31,900 *	37.8	220.3	32,200 *	48.7	231.1	29,600	57.7	236.5	26,100							110
115				23.2	199.6	29,500 *	32.8	213.2	30,400 *	44.7	226.4	27,900	54.3	233.1	24,600							115
120				14.3	184.9	27,200 *	27.1	204.5	28,800 *	40.5	221.0	26,300	50.6	229.3	23,200							120
125							19.9	193.0	27,400 *	35.8	214.6	24,900	46.8	224.9	21,900							125
130							8.0	172.9	25,600 *	30.6	207.0	23,600	42.8	219.9	20,700	52.3	225.9	17,900				130
135										24.4	197.4	22,300	38.4	214.0	19,600	48.6	221.8	16,900				135
140										16.1	183.8	21,200	33.5	207.1	18,600	44.6	217.0	16,000				140
145													27.9	198.7	17,700	40.4	211.6	15,200				145
150													20.9	187.7	16,800	35.7	205.2	14,400	46.0	212.6	12,100	150
155													10.2	169.7	15,900	30.5	197.5	13,700	41.9	207.4	11,500	155
160																24.3	187.9	13,000	37.4	201.4	10,900	160
165																15.9	174.2	12,300	32.4	194.2	10,300	165
170																			26.6	185.4	9,800	170
180																			6.2	151.4	8,700	180

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
 Boom No. 78T With Heavy Lift Top
 95,400 Lb. Crane Counterweight
 25,000 Lb. 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



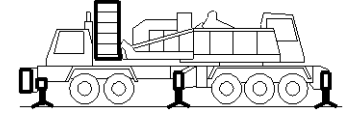
150 Ft. Boom, 110 Ft. Jib

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	51,100 *													75
80	50.4	246.1	42,000 *	58.8	254.4	47,500 *	63.5	257.5	47,300 *													80
85	46.9	241.7	38,500 *	55.7	251.2	44,100 *	60.6	254.8	44,000 *													85
90	43.2	236.7	35,500 *	52.5	247.5	41,200 *	57.5	251.8	41,000 *													90
95	39.3	231.0	32,800 *	49.2	243.5	38,500 *	54.4	248.5	38,400 *	62.3	253.5	35,900										95
100	35.0	224.4	30,400 *	45.6	238.9	36,200 *	51.1	244.7	36,100 *	59.4	250.7	33,600										100
105	30.1	216.5	28,300 *	41.9	233.7	34,100 *	47.7	240.4	34,000 *	56.3	247.5	31,400										105
110	24.4	206.8	26,300 *	37.8	227.7	32,100 *	44.1	235.5	32,000 *	53.1	244.0	29,500										110
115	17.1	193.6	24,100 *	33.3	220.7	29,800 *	40.2	230.0	30,300 *	49.8	240.0	27,800	57.9	245.2	24,500							115
120				28.2	212.3	27,700 *	36.0	223.6	28,700 *	46.3	235.5	26,300	54.8	241.8	23,100							120
125				22.1	201.6	25,800 *	31.3	216.1	27,200 *	42.5	230.4	24,800	51.5	238.1	21,800							125
130				13.6	186.1	23,900 *	25.8	206.9	25,900 *	38.5	224.5	23,500	48.1	233.9	20,600							130
135							19.0	194.8	24,700 *	34.1	217.7	22,300	44.5	229.1	19,500	53.0	234.7	16,800				135
140							7.6	173.6	22,600 *	29.2	209.6	21,200	40.7	223.7	18,500	49.7	230.7	15,900				140
145										23.3	199.5	20,100	36.5	217.4	17,600	46.2	226.2	15,100				145
150										15.4	185.2	19,100	31.9	210.0	16,700	42.5	221.0	14,300				150
155													26.5	201.1	15,900	38.4	215.2	13,600	47.4	221.6	11,400	155
160													19.9	189.5	15,200	34.0	208.3	12,900	43.8	216.7	10,800	160
165													9.8	170.6	14,400	29.1	200.2	12,300	39.9	211.1	10,200	165
170																23.1	190.0	11,700	35.6	204.6	9,700	170
180																			25.4	187.7	8,700	180
190																			5.9	152.0	7,800	190

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
25,000 Lb. 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



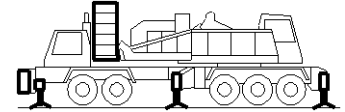
150 Ft. Boom, 120 Ft. Jib

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 *b																			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	43,700 *													85
90	48.1	250.7	35,600 *	56.1	259.9	41,000 *	60.5	263.5	40,800 *													90
95	44.8	245.9	32,900 *	53.2	256.3	38,300 *	57.8	260.5	38,100 *													95
100	41.3	240.6	30,500 *	50.1	252.4	35,900 *	54.9	257.2	35,800 *	62.1	262.1	33,100										100
105	37.5	234.5	28,400 *	47.0	247.9	33,800 *	51.9	253.5	33,600 *	59.4	259.3	31,000										105
110	33.4	227.5	26,400 *	43.6	243.0	31,800 *	48.8	249.3	31,700 *	56.6	256.2	29,100										110
115	28.8	219.2	24,600 *	40.0	237.4	29,900 *	45.6	244.7	29,900 *	53.7	252.7	27,400										115
120	23.4	209.0	23,000 *	36.1	231.0	27,800 *	42.1	239.5	28,300 *	50.7	248.9	25,800										120
125	16.3	195.1	21,100 *	31.9	223.6	25,900 *	38.4	233.6	26,900 *	47.5	244.5	24,400	55.2	250.5	21,300							125
130				27.0	214.7	24,200 *	34.4	226.8	25,500 *	44.2	239.7	23,100	52.3	246.9	20,100							130
135				21.2	203.5	22,500 *	29.9	218.8	24,300 *	40.6	234.2	21,900	49.2	242.8	19,100							135
140				13.0	187.3	21,000 *	24.7	209.1	23,100 *	36.8	228.0	20,800	46.0	238.2	18,100							140
145							18.2	196.4	21,900 *	32.6	220.7	19,800	42.5	233.1	17,200	50.6	239.5	14,600				145
150							7.3	174.3	19,800 *	27.9	212.2	18,800	38.9	227.3	16,300	47.4	235.2	13,800				150
155										22.2	201.5	17,900	34.9	220.6	15,500	44.1	230.3	13,100				155
160										14.7	186.5	17,000	30.5	212.8	14,700	40.6	224.8	12,500				160
165													25.4	203.4	14,000	36.7	218.6	11,800	45.3	225.9	9,700	165
170													19.1	191.2	13,400	32.5	211.3	11,300	41.8	220.6	9,200	170
180																22.1	192.0	10,200	34.1	207.8	8,300	180
190																			24.3	189.9	7,400	190
200																			5.7	152.5	6,600	200

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
 Boom No. 78T With Heavy Lift Top
 95,400 Lb. Crane Counterweight
 25,000 Lb. 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



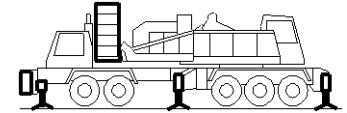
150 Ft. Boom, 130 Ft. Jib

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	40,400 *													90
95	49.1	259.6	32,800 *	56.4	268.5	37,600 *	60.5	272.1	37,700 *													95
100	46.1	255.0	30,400 *	53.7	265.0	35,600 *	57.9	269.2	35,400 *													100
105	42.9	249.9	28,300 *	50.9	261.2	33,400 *	55.3	265.9	33,300 *	62.0	270.8	30,700										105
110	39.6	244.2	26,300 *	48.0	256.9	31,500 *	52.6	262.2	31,300 *	59.5	268.0	28,800										110
115	36.0	237.8	24,600 *	45.0	252.2	29,700 *	49.7	258.2	29,600 *	56.9	264.9	27,100										115
120	32.1	230.4	23,000 *	41.8	246.9	27,700 *	46.8	253.7	28,000 *	54.2	261.5	25,500										120
125	27.6	221.7	21,500 *	38.4	240.9	25,800 *	43.7	248.8	26,500 *	51.4	257.7	24,100										125
130	22.4	211.0	20,100 *	34.7	234.2	24,100 *	40.4	243.2	25,100 *	48.5	253.5	22,800	55.6	259.2	19,800							130
135	15.7	196.5	18,500 *	30.6	226.4	22,500 *	36.8	237.0	23,900 *	45.5	248.8	21,600	52.9	255.6	18,700							135
140				25.9	217.1	21,100 *	33.0	229.8	22,700 *	42.4	243.6	20,500	50.1	251.7	17,800							140
145				20.3	205.4	19,700 *	28.7	221.4	21,700 *	39.0	237.8	19,500	47.1	247.3	16,800							145
150				12.5	188.4	18,400 *	23.7	211.3	20,600 *	35.3	231.2	18,500	44.1	242.4	16,000	51.4	248.3	13,500				150
155							17.4	198.0	19,200 *	31.3	223.6	17,600	40.8	236.9	15,200	48.5	244.1	12,800				155
160							7.0	174.9	17,500 *	26.8	214.6	16,800	37.3	230.7	14,400	45.5	239.5	12,100				160
165										21.4	203.4	16,000	33.5	223.7	13,700	42.3	234.3	11,500				165
170										14.1	187.8	15,300	29.3	215.5	13,100	38.9	228.4	10,900	46.5	234.9	8,900	170
180													18.3	192.8	11,900	31.2	214.2	9,900	40.1	224.3	7,900	180
190																21.3	193.9	8,900	32.7	210.8	7,100	190
200																			23.3	192.0	6,300	200
210																			5.5	153.0	5,600	210

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
25,000 Lb. Front Bumper Counterweight
360 Degree Rating On Fully Extended Outriggers

Designed And Tested
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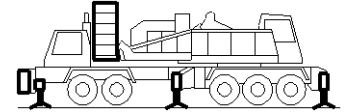
150 Ft. Boom, 140 Ft. Jib

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	34,900 *													100
105	47.2	264.1	28,000 *	54.2	273.8	31,600 *	58.1	277.8	32,700 *													105
110	44.3	259.2	26,100 *	51.6	270.0	30,300 *	55.6	274.6	30,800 *	61.8	279.5	28,300										110
115	41.3	253.8	24,400 *	49.0	265.8	29,100 *	53.1	271.0	29,100 *	59.5	276.7	26,600										115
120	38.1	247.8	22,800 *	46.2	261.3	27,500 *	50.5	267.1	27,500 *	57.1	273.6	25,100										120
125	34.7	241.0	21,300 *	43.3	256.2	25,600 *	47.8	262.7	26,000 *	54.6	270.2	23,700										125
130	30.9	233.2	20,000 *	40.2	250.6	23,900 *	45.0	258.0	24,600 *	52.1	266.5	22,400										130
135	26.6	224.1	18,700 *	36.9	244.4	22,400 *	42.0	252.7	23,400 *	49.4	262.4	21,200	55.9	267.9	18,300							135
140	21.6	212.9	17,500 *	33.4	237.3	20,900 *	38.9	246.8	22,200 *	46.7	257.9	20,100	53.4	264.4	17,300							140
145	15.1	197.9	16,100 *	29.4	229.1	19,600 *	35.5	240.2	21,200 *	43.8	252.9	19,100	50.8	260.5	16,400							145
150				25.0	219.3	18,400 *	31.8	232.7	20,200 *	40.7	247.4	18,100	48.1	256.2	15,500							150
155				19.6	207.1	17,200 *	27.6	223.9	19,200 *	37.5	241.3	17,200	45.3	251.5	14,700	52.0	257.1	12,300				155
160				12.1	189.5	16,100 *	22.8	213.3	18,000 *	34.0	234.3	16,400	42.4	246.3	14,000	49.4	253.0	11,700				160
165							16.8	199.5	16,800 *	30.1	226.3	15,600	39.3	240.5	13,300	46.6	248.5	11,100				165
170							6.8	175.5	15,300 *	25.8	216.9	14,900	35.9	234.0	12,700	43.7	243.6	10,500				170
180										13.6	189.0	13,500	28.2	218.1	11,500	37.4	231.9	9,400	44.8	239.2	7,400	180
190													17.6	194.4	10,400	30.1	216.9	8,500	38.6	227.9	6,600	190
200																20.5	195.7	7,600	31.5	213.7	5,900	200
210																			22.4	194.0	5,200	210
220																			5.3	153.4	4,500	220

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
 Boom No. 78T With Heavy Lift Top
 95,400 Lb. Crane Counterweight
 25,000 Lb. 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



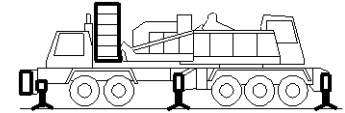
150 Ft. Boom, 150 Ft. Jib

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	29,600 *													110
115	45.5	268.3	23,300 *	52.2	278.8	26,500 *	55.9	283.3	28,400 *	61.7	288.1	26,500										115
120	42.7	263.2	22,300 *	49.8	274.7	25,300 *	53.6	279.7	27,200 *	59.5	285.3	24,900										120
125	39.8	257.5	21,300 *	47.2	270.3	24,200 *	51.2	275.9	25,800 *	57.3	282.2	23,500										125
130	36.8	251.2	20,000 *	44.5	265.5	23,200 *	48.7	271.7	24,500 *	55.0	278.9	22,200										130
135	33.4	244.0	18,800 *	41.7	260.1	22,200 *	46.1	267.1	23,200 *	52.6	275.2	21,000										135
140	29.8	235.9	17,600 *	38.8	254.2	20,900 *	43.4	262.0	22,100 *	50.2	271.2	20,000	56.2	276.6	17,200							140
145	25.7	226.4	16,500 *	35.6	247.6	19,700 *	40.5	256.5	21,000 *	47.6	266.9	18,900	53.9	273.1	16,200							145
150	20.9	214.8	15,500 *	32.2	240.2	18,500 *	37.5	250.3	20,000 *	45.0	262.1	18,000	51.5	269.3	15,400							150
155	14.6	199.2	14,300 *	28.4	231.6	17,300 *	34.2	243.4	19,100 *	42.2	256.9	17,100	49.0	265.2	14,600							155
160				24.1	221.5	16,300 *	30.7	235.5	18,000 *	39.3	251.1	16,300	46.4	260.6	13,900	52.6	265.9	11,500				160
165				18.9	208.8	15,300 *	26.7	226.4	16,900 *	36.2	244.6	15,500	43.7	255.6	13,200	50.1	261.9	10,900				165
170				11.6	190.5	14,300 *	22.1	215.3	15,900 *	32.8	237.3	14,800	40.9	250.1	12,600	47.6	257.5	10,400				170
180							6.5	176.1	13,600 *	24.9	219.2	13,500	34.6	237.2	11,400	42.2	247.5	9,300				180
190										13.2	190.2	12,300	27.2	220.5	10,300	36.1	235.2	8,400	43.2	243.2	6,500	190
200													17.0	195.9	9,400	29.0	219.6	7,500	37.2	231.4	5,800	200
210																19.8	197.5	6,800	30.4	216.4	5,100	210
220																			21.7	195.9	4,500	220

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
25,000 Lb. 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



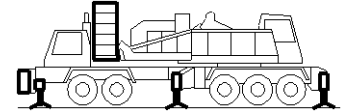
150 Ft. Boom, 160 Ft. Jib

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			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	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	24,500										120
125	44.0	272.4	18,600 *	50.4	283.6	21,400 *	54.0	288.5	23,200 *	59.6	294.0	23,100										125
130	41.3	267.0	17,700 *	48.1	279.3	20,400 *	51.8	284.7	22,100 *	57.5	290.9	21,800										130
135	38.5	261.0	16,800 *	45.6	274.6	19,400 *	49.4	280.6	21,000 *	55.3	287.6	20,600										135
140	35.6	254.4	16,000 *	43.1	269.5	18,400 *	47.0	276.1	20,000 *	53.1	284.0	19,500										140
145	32.4	247.0	15,200 *	40.4	263.9	17,500 *	44.5	271.2	19,000 *	50.8	280.1	18,500	56.5	285.3	15,800							145
150	28.8	238.5	14,500 *	37.5	257.7	16,700 *	41.9	265.9	18,100 *	48.5	275.8	17,600	54.3	281.9	15,000							150
155	24.9	228.7	13,800 *	34.5	250.8	15,900 *	39.2	260.1	17,200 *	46.0	271.2	16,700	52.0	278.1	14,200							155
160	20.2	216.6	13,200 *	31.2	243.0	15,100 *	36.3	253.6	16,400 *	43.5	266.2	15,900	49.7	274.0	13,400							160
165	14.1	200.4	12,400 *	27.5	234.1	14,400 *	33.1	246.4	15,600 *	40.8	260.7	15,100	47.3	269.6	12,800							165
170				23.3	223.6	13,700 *	29.7	238.2	14,800 *	38.0	254.6	14,400	44.9	264.8	12,100	50.8	270.8	9,900				170
180				11.3	191.5	12,400 *				31.7	240.2	13,100	39.5	253.8	11,000	46.0	261.9	8,900				180
190							6.3	176.6	11,900 *	24.1	221.3	11,900	33.5	240.3	9,900	40.8	251.3	7,900	46.9	257.3	6,000	190
200										12.7	191.3	10,800	26.3	222.9	9,000	34.9	238.4	7,100	41.7	247.1	5,300	200
210													16.5	197.4	8,100	28.1	222.1	6,400	36.0	234.7	4,600	210
220																19.1	199.2	5,700	29.4	219.1	4,100	220

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
 Boom No. 78T With Heavy Lift Top
 95,400 Lb. Crane Counterweight
 25,000 Lb. 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



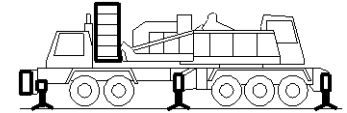
150 Ft. Boom, 170 Ft. Jib

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			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	74.6	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	22,800										125
130	45.0	281.6	15,700 *	51.0	292.4	18,300 *	54.4	297.2	19,900 *	59.6	302.6	21,500										130
135	42.6	276.4	14,800 *	48.8	288.2	17,300 *	52.3	293.5	18,900 *	57.6	299.6	20,300										135
140	40.0	270.7	14,000 *	46.6	283.7	16,400 *	50.1	289.4	17,900 *	55.6	296.3	19,200										140
145	37.3	264.5	13,300 *	44.2	278.7	15,500 *	47.9	285.1	17,000 *	53.5	292.7	18,200										145
150	34.5	257.6	12,500 *	41.7	273.3	14,700 *	45.6	280.4	16,100 *	51.4	288.9	17,300	56.7	294.0	14,600							150
155	31.4	249.8	11,800 *	39.1	267.5	13,900 *	43.1	275.3	15,200 *	49.2	284.7	16,400	54.6	290.6	13,800							155
160	28.0	241.1	11,000 *	36.4	261.0	13,100 *	40.6	269.7	14,400 *	46.9	280.3	15,600	52.5	286.9	13,100							160
165	24.1	230.8	10,100 *	33.4	253.8	12,400 *	38.0	263.6	13,600 *	44.6	275.4	14,800	50.4	282.9	12,400							165
170	19.6	218.4	9,400 *	30.2	245.8	11,600 *	35.1	256.8	12,800 *	42.1	270.1	14,100	48.2	278.6	11,800							170
180				22.6	225.7	9,900 *	28.8	240.8	11,200 *	36.8	258.0	12,800	43.5	268.9	10,600	49.2	275.4	8,500				180
190				10.9	192.5	8,500 *	20.7	219.1	9,600 *	30.8	243.0	11,700	38.3	257.3	9,600	44.5	266.0	7,600				190
200							6.1	177.2	8,200 *	23.4	223.4	10,100 *	32.5	243.2	8,700	39.5	254.9	6,800	45.4	261.6	5,000	200
210										12.4	192.4	8,600 *	25.5	225.2	7,800	33.9	241.5	6,000	40.4	250.8	4,300	210
220													16.0	198.8	7,000	27.2	224.6	5,400				220
230																18.6	200.9	4,700				230

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
 Boom No. 78T With Heavy Lift Top
 95,400 Lb. Crane Counterweight
 25,000 Lb. 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



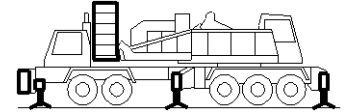
160 Ft. Boom, 70 Ft. Jib

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	69.2	236.8	86,900 *b																			35
40	64.8	234.7	84,400 *b																			40
45	60.2	232.1	79,600 *b																			45
50	55.3	228.9	75,100 *	68.5	235.3	76,800 *b																50
55	50.2	225.1	71,000 *	64.0	233.1	72,800 *b																55
60	44.6	220.5	62,700 *	59.3	230.4	67,300 *b	67.1	233.3	66,700 *b													60
65	38.5	214.9	55,900 *	54.5	227.1	61,300 *	62.5	231.0	60,800 *b													65
70	31.3	207.7	50,200 *	49.3	223.2	56,300 *	57.8	228.1	55,800 *													70
75	22.2	197.8	45,300 *	43.6	218.4	51,900 *	52.8	224.6	51,500 *													75
80	4.2	176.5	33,800 *	37.3	212.6	48,200 *	47.5	220.5	47,800 *	61.4	227.2	45,400 b										80
85				29.9	205.0	44,900 *	41.7	215.4	44,500 *	56.7	224.2	42,000										85
90				20.2	194.3	42,000 *	35.1	209.1	41,600 *	51.6	220.6	39,000										90
95							27.1	200.8	39,100 *	46.2	216.2	36,300										95
100							16.0	188.1	36,800 *	40.2	210.9	34,000	55.2	218.8	30,000							100
105										33.3	204.2	31,900	50.0	215.0	28,100							105
110										24.9	195.2	30,000	44.4	210.4	26,400							110
115										12.0	180.2	28,200	38.2	204.7	24,900							115
120													31.0	197.4	23,500	47.9	207.8	20,300				120
125													21.8	187.4	22,200	42.1	202.8	19,200				125
130													0.9	162.5	20,900	35.6	196.6	18,100				130
135																27.8	188.5	17,200	45.1	198.8	14,500	135
140																17.0	176.3	16,300	39.0	193.3	13,700	140
145																			31.9	186.3	13,000	145
150																			23.1	176.6	12,300	150
155																			7.5	158.3	11,600	155

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
 Boom No. 78T With Heavy Lift Top
 95,400 Lb. Crane Counterweight
 25,000 Lb. 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



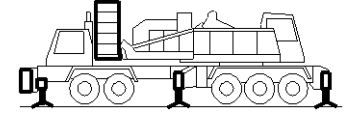
160 Ft. Boom, 80 Ft. Jib

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	71.9	247.4	80,200 *b																			35
40	68.1	245.6	80,100 *b																			40
45	64.2	243.4	76,700 *b																			45
50	60.2	240.8	72,700 *																			50
55	55.9	237.6	68,900 *	67.4	244.0	70,300 *b																55
60	51.5	234.0	62,900 *	63.5	241.8	66,700 *																60
65	46.8	229.6	56,100 *	59.4	239.0	60,700 *	66.2	242.0	60,200 *b													65
70	41.6	224.5	50,500 *	55.2	235.8	55,700 *	62.2	239.6	55,200 *													70
75	35.9	218.3	45,800 *	50.7	232.1	51,400 *	58.1	236.8	50,900 *													75
80	29.2	210.4	41,600 *	45.9	227.6	47,600 *	53.8	233.4	47,200 *													80
85	20.7	199.7	37,900 *	40.7	222.3	44,300 *	49.2	229.4	44,000 *	61.3	235.8	41,500										85
90	3.9	176.9	29,700 *	34.8	215.8	41,400 *	44.3	224.7	41,100 *	57.1	232.9	38,500										90
95				27.9	207.6	38,800 *	38.9	219.1	38,500 *	52.7	229.3	35,900										95
100				18.9	196.1	36,500 *	32.7	212.1	36,200 *	48.1	225.2	33,500										100
105							25.4	203.1	34,100 *	43.0	220.3	31,400	55.8	227.5	27,600							105
110							15.0	189.5	32,200 *	37.5	214.4	29,500	51.3	223.8	25,900							110
115										31.1	207.1	27,800	46.6	219.5	24,400							115
120										23.3	197.3	26,300	41.4	214.3	23,000							120
125										11.2	181.2	24,800	35.7	208.0	21,700	49.5	216.7	18,600				125
130													29.0	200.1	20,500	44.6	212.1	17,600				130
135													20.4	189.2	19,500	39.3	206.5	16,700				135
140													0.9	162.6	18,400	33.2	199.7	15,800	47.1	207.9	13,200	140
145																25.9	190.9	15,000	42.0	202.8	12,500	145
150																15.9	177.8	14,200	36.4	196.7	11,800	150
155																			29.8	189.0	11,200	155
160																			21.6	178.6	10,600	160
165																			7.0	158.9	10,000	165

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
25,000 Lb. 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



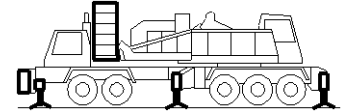
160 Ft. Boom, 90 Ft. Jib

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	74.0	257.9	72,900 *b																			35
40	70.7	256.3	72,500 *b																			40
45	67.2	254.4	70,500 *b																			45
50	63.7	252.1	68,400 *																			50
55	60.1	249.4	65,900 *	70.1	254.8	67,000 *b																55
60	56.4	246.3	62,400 *	66.6	252.8	64,000 *																60
65	52.5	242.7	56,200 *	63.1	250.4	60,400 *																65
70	48.4	238.6	50,700 *	59.5	247.7	55,300 *	65.5	250.8	54,800 *													70
75	43.9	233.8	46,000 *	55.7	244.5	51,000 *	62.0	248.3	50,500 *													75
80	39.1	228.2	41,900 *	51.8	240.9	47,200 *	58.3	245.4	46,800 *													80
85	33.8	221.4	38,400 *	47.6	236.6	43,900 *	54.5	242.1	43,600 *													85
90	27.5	213.0	35,200 *	43.1	231.7	41,000 *	50.5	238.3	40,700 *	61.1	244.5	38,200										90
95	19.5	201.5	32,400 *	38.2	225.9	38,400 *	46.2	233.8	38,100 *	57.4	241.5	35,500										95
100	3.7	177.2	25,900 *	32.8	218.9	36,100 *	41.6	228.6	35,800 *	53.5	238.1	33,200										100
105				26.3	210.0	34,000 *	36.6	222.5	33,700 *	49.5	234.1	31,100										105
110				17.8	197.7	32,100 *	30.8	215.0	31,800 *	45.1	229.5	29,300	56.3	236.2	25,600							110
115							23.9	205.3	30,100 *	40.5	224.1	27,600	52.3	232.6	24,000							115
120							14.1	190.8	28,600 *	35.3	217.7	26,000	48.2	228.4	22,700							120
125										29.3	209.8	24,600	43.8	223.6	21,400							125
130										21.9	199.3	23,300	39.0	217.9	20,300	50.8	225.6	17,300				130
135										10.6	182.2	22,000	33.6	211.1	19,200	46.5	221.2	16,300				135
140													27.3	202.6	18,200	42.0	216.0	15,500				140
145													19.2	191.0	17,300	36.9	209.9	14,700				145
150													0.8	162.6	16,300	31.3	202.6	13,900	44.3	212.1	11,500	150
155																24.4	193.1	13,200	39.5	206.5	10,900	155
160																15.0	179.1	12,500	34.2	199.9	10,300	160
165																			28.1	191.6	9,800	165
170																			20.3	180.5	9,200	170

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
 Boom No. 78T With Heavy Lift Top
 95,400 Lb. Crane Counterweight
 25,000 Lb. 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



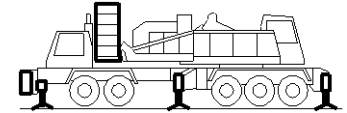
160 Ft. Boom, 100 Ft. Jib

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	75.6	268.2	67,200 *b																			35
40	72.7	266.8	66,500 *b																			40
45	69.6	265.1	64,700 *																			45
50	66.5	263.1	62,900 *																			50
55	63.4	260.8	61,200 *																			55
60	60.1	258.1	58,300 *	69.1	263.6	61,600 *																60
65	56.8	255.0	55,400 *	66.0	261.5	59,000 *																65
70	53.3	251.5	50,600 *	62.8	259.1	54,800 *																70
75	49.6	247.5	45,900 *	59.5	256.4	50,500 *	65.0	259.5	49,900 *													75
80	45.7	243.0	41,900 *	56.2	253.2	46,700 *	61.8	257.0	46,200 *													80
85	41.6	237.7	38,400 *	52.6	249.6	43,400 *	58.5	254.1	43,000 *													85
90	37.0	231.6	35,300 *	48.9	245.6	40,500 *	55.0	250.8	40,100 *													90
95	32.0	224.3	32,600 *	45.0	240.9	37,900 *	51.5	247.1	37,500 *	61.0	253.2	35,000										95
100	26.1	215.3	30,100 *	40.8	235.5	35,600 *	47.7	242.8	35,300 *	57.7	250.2	32,700										100
105	18.5	203.2	27,800 *	36.2	229.2	33,500 *	43.7	237.9	33,200 *	54.2	246.8	30,700										105
110	3.5	177.5	22,500 *	31.0	221.7	31,600 *	39.4	232.3	31,300 *	50.6	243.0	28,800										110
115				24.9	212.3	29,900 *	34.6	225.7	29,600 *	46.8	238.6	27,100	56.6	244.9	23,500							115
120				16.9	199.2	27,600 *	29.2	217.6	28,000 *	42.7	233.5	25,600	53.1	241.4	22,200							120
125							22.6	207.4	26,600 *	38.3	227.7	24,200	49.5	237.4	20,900							125
130							13.4	192.0	25,300 *	33.4	220.8	22,900	45.6	232.8	19,800							130
135										27.8	212.3	21,700	41.4	227.5	18,700	51.7	234.4	15,800				135
140										20.8	201.2	20,600	36.9	221.4	17,800	48.0	230.1	15,000				140
145										10.0	183.1	19,500	31.8	214.0	16,800	44.0	225.3	14,200				145
150													25.9	205.0	16,000	39.7	219.7	13,400				150
155													18.2	192.6	15,200	35.0	213.2	12,700	46.0	221.2	10,300	155
160													0.8	162.7	14,400	29.6	205.3	12,100	41.9	216.0	9,800	160
165																23.2	195.2	11,500	37.4	210.0	9,200	165
170																14.2	180.4	10,900	32.4	202.9	8,700	170
180																			19.3	182.2	7,800	180

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
25,000 Lb. Front Bumper Counterweight
360 Degree Rating On Fully Extended Outriggers

Designed And Tested
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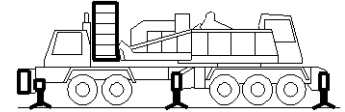
160 Ft. Boom, 110 Ft. Jib

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	74.3	277.2	49,900 *b																			40
45	71.6	275.7	49,000 *																			45
50	68.8	273.9	48,100 *																			50
55	66.0	271.8	47,300 *																			55
60	63.1	269.4	46,500 *																			60
65	60.1	266.7	45,700 *	68.3	272.4	48,600 *																65
70	57.1	263.7	45,000 *	65.5	270.2	48,000 *																70
75	53.9	260.2	44,300 *	62.6	267.8	47,400 *	67.4	270.4	48,000 *													75
80	50.6	256.4	42,500 *	59.6	265.0	46,800 *	64.5	268.2	46,500 *													80
85	47.1	252.0	38,900 *	56.5	261.9	43,600 *	61.6	265.6	43,200 *													85
90	43.5	247.1	35,800 *	53.3	258.4	40,700 *	58.6	262.8	40,300 *													90
95	39.6	241.4	33,100 *	50.0	254.4	38,100 *	55.5	259.5	37,700 *													95
100	35.3	234.9	30,600 *	46.5	250.0	35,700 *	52.3	255.9	35,400 *	60.9	261.8	32,600										100
105	30.5	227.1	28,400 *	42.8	244.9	33,600 *	48.9	251.8	33,300 *	57.9	258.9	30,600										105
110	24.9	217.6	26,400 *	38.8	239.1	31,700 *	45.4	247.1	31,400 *	54.8	255.5	28,700										110
115	17.7	204.8	24,500 *	34.5	232.4	29,900 *	41.6	241.8	29,600 *	51.5	251.8	27,000										115
120	3.4	177.8	19,900 *	29.5	224.4	28,200 *	37.5	235.8	28,100 *	48.1	247.6	25,500	56.9	253.6	22,100							120
125				23.7	214.4	26,200 *	33.0	228.7	26,600 *	44.5	242.8	24,100	53.8	250.1	20,800							125
130				16.1	200.6	24,300 *	27.8	220.2	25,300 *	40.6	237.3	22,800	50.5	246.2	19,700							130
135							21.6	209.3	24,100 *	36.5	231.1	21,700	47.0	241.8	18,600							135
140							12.7	193.1	22,900 *	31.8	223.7	20,600	43.3	236.9	17,700	52.5	243.1	14,900				140
145										26.5	214.7	19,500	39.4	231.2	16,800	49.2	239.1	14,100				145
150										19.8	203.0	18,600	35.1	224.6	15,900	45.6	234.5	13,300				150
155										9.5	183.9	17,700	30.3	216.8	15,200	41.9	229.2	12,700				155
160													24.6	207.2	14,400	37.8	223.2	12,000				160
165													17.4	194.2	13,700	33.3	216.3	11,400	47.4	230.2	9,700	165
170													0.7	162.8	13,000	28.2	207.8	10,800	43.8	225.4	9,100	170
180																13.6	181.6	9,800	39.9	219.8	8,700	180
190																			30.9	205.7	7,800	190
																			18.3	183.9	6,900	190

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
 Boom No. 78T With Heavy Lift Top
 95,400 Lb. Crane Counterweight
 25,000 Lb. Front Bumper Counterweight
 360 Degree Rating On Fully Extended Outriggers

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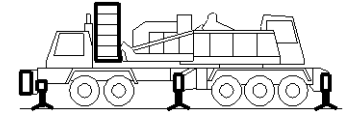
160 Ft. Boom, 120 Ft. Jib

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	75.6	287.6	47,200 *b																			40
45	73.1	286.2	46,400 *																			45
50	70.6	284.6	45,600 *																			50
55	68.1	282.7	44,900 *																			55
60	65.5	280.5	44,200 *																			60
65	62.8	278.1	43,500 *	70.2	283.1	45,700 *																65
70	60.1	275.4	42,900 *	67.6	281.1	45,200 *																70
75	57.3	272.4	42,200 *	65.0	278.9	44,700 *																75
80	54.4	269.0	40,600 *	62.3	276.5	44,200 *	66.8	279.1	44,600 *													80
85	51.4	265.2	38,800 *	59.6	273.7	43,100 *	64.2	276.9	42,600 *													85
90	48.3	261.0	35,700 *	56.8	270.6	40,200 *	61.5	274.3	39,700 *													90
95	45.0	256.3	33,000 *	53.9	267.1	37,500 *	58.7	271.4	37,100 *													95
100	41.5	251.0	30,500 *	50.9	263.3	35,200 *	55.9	268.2	34,800 *													100
105	37.8	244.9	28,400 *	47.7	259.0	33,100 *	53.0	264.6	32,700 *	60.8	270.5	30,100										105
110	33.7	238.0	26,400 *	44.4	254.2	31,200 *	49.9	260.6	30,800 *	58.1	267.5	28,300										110
115	29.1	229.8	24,600 *	40.9	248.7	29,400 *	46.7	256.2	29,100 *	55.2	264.2	26,600										115
120	23.8	219.8	22,900 *	37.1	242.6	27,900 *	43.3	251.2	27,500 *	52.2	260.6	25,100										120
125	16.9	206.3	21,400 *	33.0	235.4	26,200 *	39.7	245.6	26,100 *	49.2	256.5	23,700	57.2	262.2	20,300							125
130	3.2	178.1	17,400 *	28.3	227.0	24,400 *	35.8	239.1	24,800 *	45.9	251.9	22,400	54.3	258.8	19,200							130
135				22.7	216.5	22,800 *	31.5	231.6	23,600 *	42.5	246.8	21,200	51.3	255.0	18,200							135
140				15.4	202.0	21,200 *	26.6	222.6	22,400 *	38.8	240.9	20,100	48.2	250.8	17,200							140
145							20.6	211.2	21,400 *	34.9	234.3	19,100	44.9	246.1	16,300							145
150							12.2	194.2	20,400 *	30.4	226.5	18,200	41.4	240.7	15,500	50.1	247.9	12,800				150
155										25.3	217.0	17,300	37.7	234.7	14,700	46.9	243.5	12,200				155
160										19.0	204.7	16,500	33.6	227.7	14,000	43.6	238.6	11,500				160
165										9.1	184.8	15,700	29.0	219.5	13,300	40.0	233.0	10,900				165
170													23.6	209.3	12,700	36.1	226.6	10,400	45.3	234.5	8,100	170
180													0.7	162.8	11,400	27.0	210.3	9,400	38.1	223.3	7,300	180
190																13.0	182.8	8,400	29.5	208.4	6,500	190
200																			17.6	185.4	5,800	200

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
25,000 Lb. 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



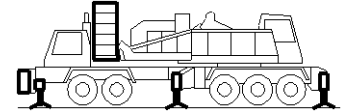
160 Ft. Boom, 130 Ft. Jib

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	74.5	296.6	43,700 *																			45
50	72.2	295.1	43,000 *																			50
55	69.8	293.4	42,300 *																			55
60	67.5	291.4	41,700 *																			60
65	65.1	289.2	41,100 *																			65
70	62.6	286.8	40,400 *	69.4	291.9	42,400 *																70
75	60.1	284.1	38,900 *	67.0	289.9	42,000 *																75
80	57.5	281.0	37,500 *	64.6	287.6	41,500 *																80
85	54.9	277.7	36,100 *	62.2	285.1	40,500 *	66.3	287.9	41,300 *													85
90	52.1	274.0	34,800 *	59.6	282.3	39,100 *	63.9	285.6	39,300 *													90
95	49.3	269.9	32,800 *	57.1	279.3	37,200 *	61.4	283.0	36,700 *													95
100	46.3	265.4	30,400 *	54.4	275.9	34,800 *	58.8	280.1	34,400 *													100
105	43.2	260.3	28,300 *	51.6	272.1	32,700 *	56.2	276.9	32,300 *													105
110	39.8	254.7	26,300 *	48.8	267.9	30,800 *	53.5	273.4	30,500 *	60.8	279.2	27,900										110
115	36.3	248.3	24,600 *	45.8	263.3	29,100 *	50.7	269.5	28,700 *	58.2	276.2	26,300										115
120	32.4	240.9	22,900 *	42.6	258.2	27,500 *	47.8	265.2	27,200 *	55.6	272.9	24,700										120
125	28.0	232.3	21,400 *	39.2	252.4	26,000 *	44.8	260.4	25,700 *	52.9	269.3	23,400										125
130	22.8	221.8	20,000 *	35.6	245.9	24,400 *	41.5	255.1	24,400 *	50.0	265.4	22,100	57.4	270.9	18,900							130
135	16.2	207.7	18,700 *	31.6	238.3	22,800 *	38.1	249.1	23,200 *	47.1	260.9	20,900	54.8	267.5	17,800							135
140	3.1	178.4	15,200 *	27.1	229.5	21,300 *	34.4	242.3	22,000 *	44.0	256.0	19,900	52.0	263.8	16,900							140
145				21.8	218.5	19,900 *	30.3	234.4	21,000 *	40.8	250.6	18,900	49.2	259.7	16,000							145
150				14.8	203.3	18,600 *	25.5	224.9	20,000 *	37.3	244.4	17,900	46.2	255.2	15,200							150
155							19.8	213.0	19,100 *	33.4	237.3	17,100	43.1	250.1	14,400	50.9	256.8	11,800				155
160							11.7	195.3	18,200 *	29.2	229.1	16,200	39.7	244.4	13,700	48.0	252.5	11,200				160
165										24.3	219.2	15,500	36.1	238.0	13,000	45.0	247.8	10,600				165
170										18.2	206.4	14,800	32.2	230.7	12,400	41.8	242.5	10,100				170
180													22.6	211.4	11,200	34.7	229.8	9,000	43.4	238.6	6,900	180
190													0.7	162.9	10,100	25.9	212.7	8,100	36.6	226.7	6,200	190
200																12.5	183.9	7,300	28.4	211.0	5,500	200
210																			16.9	186.9	4,800	210

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
 Boom No. 78T With Heavy Lift Top
 95,400 Lb. Crane Counterweight
 25,000 Lb. 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



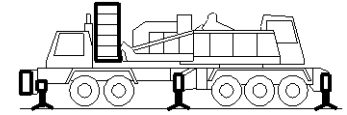
160 Ft. Boom, 140 Ft. Jib

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	75.6	307.0	41,000 *																			45
50	73.5	305.6	40,300 *																			50
55	71.3	304.0	39,700 *																			55
60	69.2	302.2	39,100 *																			60
65	67.0	300.2	38,500 *																			65
70	64.7	297.9	37,100 *	71.0	302.5	39,500 *																70
75	62.4	295.5	35,700 *	68.8	300.7	39,100 *																75
80	60.1	292.7	34,300 *	66.6	298.6	38,400 *																80
85	57.7	289.7	32,900 *	64.3	296.3	37,100 *																85
90	55.2	286.4	31,600 *	62.0	293.8	35,700 *	65.8	296.6	37,600 *													90
95	52.7	282.8	30,400 *	59.7	291.0	34,400 *	63.6	294.2	36,200 *													95
100	50.1	278.8	29,200 *	57.3	287.9	33,100 *	61.3	291.6	33,900 *													100
105	47.4	274.4	28,000 *	54.8	284.6	31,800 *	58.9	288.7	31,800 *													105
110	44.5	269.5	26,100 *	52.3	280.9	30,300 *	56.5	285.6	29,900 *	63.0	290.5	27,500										110
115	41.5	264.2	24,400 *	49.6	276.8	28,600 *	54.0	282.1	28,200 *	60.7	287.8	25,800										115
120	38.3	258.2	22,800 *	46.9	272.4	27,000 *	51.4	278.3	26,700 *	58.3	284.9	24,300										120
125	34.9	251.5	21,300 *	44.0	267.4	25,600 *	48.8	274.1	25,200 *	55.9	281.6	22,900										125
130	31.2	243.8	19,900 *	41.0	262.0	24,200 *	46.0	269.5	23,900 *	53.4	278.1	21,700										130
135	26.9	234.8	18,700 *	37.8	255.9	22,600 *	43.1	264.4	22,700 *	50.8	274.2	20,500	57.6	279.6	17,300							135
140	22.0	223.8	17,500 *	34.3	249.0	21,200 *	40.0	258.8	21,500 *	48.1	269.9	19,400	55.2	276.3	16,400							140
145	15.6	209.1	16,300 *	30.4	241.1	19,800 *	36.7	252.5	20,500 *	45.3	265.2	18,400	52.6	272.6	15,500							145
150	3.0	178.6	13,300 *	26.1	231.8	18,600 *	33.1	245.3	19,500 *	42.3	260.0	17,500	50.0	268.6	14,700							150
155				21.0	220.4	17,400 *	29.1	237.0	18,600 *	39.2	254.2	16,700	47.3	264.2	13,900							155
160				14.2	204.6	16,200 *	24.6	227.1	17,700 *	35.8	247.7	15,800	44.4	259.3	13,200	51.6	265.6	10,700				160
165							19.1	214.7	16,900 *	32.2	240.3	15,100	41.4	254.0	12,600	49.0	261.4	10,100				165
170							11.3	196.3	15,900 *	28.1	231.7	14,400	38.2	248.0	12,000	46.2	256.9	9,600				170
180										17.6	207.9	13,100	31.0	233.5	10,800	40.2	246.2	8,600	47.6	252.6	6,400	180
190													21.8	213.3	9,800	33.4	232.8	7,700	41.8	242.5	5,700	190
200													0.7	162.9	8,800	25.0	214.9	6,900	35.2	229.9	5,000	200
210																12.0	185.0	6,100	27.3	213.4	4,400	210

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
25,000 Lb. 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



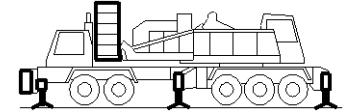
160 Ft. Boom, 150 Ft. Jib

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	74.6	316.0	37,800 *																			50
55	72.6	314.5	37,200 *																			55
60	70.6	312.9	36,700 *																			60
65	68.6	311.0	35,500 *																			65
70	66.5	308.9	34,200 *																			70
75	64.4	306.6	32,800 *	70.2	311.3	36,400 *																75
80	62.3	304.1	31,500 *	68.2	309.4	35,300 *																80
85	60.1	301.4	30,300 *	66.1	307.3	34,000 *																85
90	57.9	298.4	29,000 *	64.0	305.0	32,800 *	67.5	307.5	34,400 *													90
95	55.6	295.1	27,800 *	61.9	302.5	31,600 *	65.5	305.3	33,300 *													95
100	53.2	291.5	26,600 *	59.7	299.7	30,300 *	63.3	302.9	32,200 *													100
105	50.8	287.6	25,400 *	57.5	296.6	29,100 *	61.2	300.3	31,000 *													105
110	48.3	283.3	24,300 *	55.2	293.3	27,900 *	59.0	297.4	29,800 *													110
115	45.7	278.7	23,300 *	52.8	289.6	26,700 *	56.7	294.3	28,100 *	62.8	299.2	25,700										115
120	42.9	273.5	22,300 *	50.4	285.7	25,600 *	54.4	290.8	26,500 *	60.7	296.5	24,200										120
125	40.1	267.9	21,300 *	47.8	281.3	24,500 *	52.0	287.1	25,100 *	58.5	293.5	22,800										125
130	37.0	261.6	20,000 *	45.2	276.6	23,400 *	49.6	283.0	23,700 *	56.2	290.3	21,500										130
135	33.7	254.6	18,700 *	42.4	271.4	22,400 *	47.0	278.6	22,500 *	53.9	286.8	20,400										135
140	30.1	246.5	17,600 *	39.5	265.6	21,200 *	44.3	273.7	21,400 *	51.5	283.0	19,300	57.8	288.2	16,300							140
145	26.0	237.1	16,500 *	36.4	259.2	19,800 *	41.5	268.3	20,300 *	49.0	278.8	18,300	55.5	285.0	15,400							145
150	21.2	225.7	15,500 *	33.1	252.0	18,600 *	38.6	262.4	19,400 *	46.4	274.3	17,400	53.1	281.4	14,600							150
155	15.1	210.5	14,500 *	29.4	243.8	17,500 *	35.4	255.7	18,400 *	43.7	269.3	16,500	50.7	277.4	13,800							155
160	2.9	178.9	11,700 *	25.2	234.1	16,400 *	31.9	248.2	17,600 *	40.8	263.8	15,700	48.2	273.2	13,100							160
165				20.3	222.2	15,400 *	28.1	239.6	16,800 *	37.8	257.7	15,000	45.6	268.5	12,500	52.2	274.4	10,000				165
170				13.8	205.9	14,400 *	23.8	229.3	16,000 *	34.6	250.9	14,300	42.8	263.3	11,800	49.7	270.3	9,400				170
180							10.9	197.2	14,100 *	27.1	234.1	13,000	36.9	251.4	10,700	44.5	261.0	8,500				180
190										17.0	209.5	11,800	29.9	236.2	9,700	38.8	249.8	7,600	45.9	256.9	5,500	190
200													21.0	215.2	8,800	32.2	235.8	6,800	40.3	246.2	4,900	200
210													0.6	163.0	7,900	24.1	217.1	6,100	34.0	233.0	4,200	210
220																11.6	186.0	5,400				220

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
 Boom No. 78T With Heavy Lift Top
 95,400 Lb. Crane Counterweight
 25,000 Lb. 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



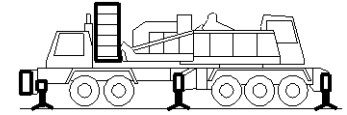
160 Ft. Boom, 160 Ft. Jib

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	75.6	326.3	34,700 *																50
55	73.7	325.0	34,100 *																55
60	71.9	323.4	33,500 *																60
65	70.0	321.7	32,500 *																65
70	68.0	319.8	31,200 *																70
75	66.1	317.7	29,900 *																75
80	64.1	315.3	28,600 *	69.6	320.2	32,100 *													80
85	62.1	312.8	27,400 *	67.7	318.2	30,900 *													85
90	60.1	310.0	26,200 *	65.8	316.1	29,800 *													90
95	58.0	307.0	25,000 *	63.8	313.7	28,600 *	67.1	316.2	30,200 *										95
100	55.9	303.8	23,800 *	61.8	311.1	27,400 *	65.1	314.0	29,100 *										100
105	53.7	300.2	22,700 *	59.7	308.3	26,200 *	63.1	311.6	28,000 *										105
110	51.4	296.4	21,600 *	57.6	305.3	25,000 *	61.1	308.9	26,900 *										110
115	49.1	292.3	20,600 *	55.5	302.0	23,900 *	59.0	306.1	25,800 *										115
120	46.7	287.7	19,600 *	53.3	298.4	22,800 *	56.9	302.9	24,600 *	62.7	307.8	23,700							120
125	44.1	282.8	18,600 *	51.0	294.5	21,700 *	54.8	299.6	23,500 *	60.6	305.1	22,300							125
130	41.5	277.4	17,700 *	48.7	290.3	20,600 *	52.5	295.9	22,500 *	58.6	302.2	21,100							130
135	38.7	271.5	16,900 *	46.2	285.7	19,600 *	50.3	291.9	21,400 *	56.4	299.0	19,900							135
140	35.8	264.9	16,000 *	43.7	280.7	18,700 *	47.9	287.6	20,400 *	54.3	295.6	18,900							140
145	32.6	257.5	15,300 *	41.0	275.2	17,800 *	45.4	282.8	19,400 *	52.0	291.8	17,900	57.9	296.9	14,900				145
150	29.1	249.2	14,500 *	38.2	269.2	16,900 *	42.9	277.7	18,500 *	49.7	287.7	17,000	55.8	293.6	14,100				150
155	25.2	239.4	13,900 *	35.2	262.5	16,100 *	40.2	272.0	17,600 *	47.3	283.3	16,100	53.6	290.1	13,400				155
160	20.6	227.5	13,300 *	32.0	254.9	15,300 *	37.3	265.8	16,700 *	44.8	278.5	15,300	51.3	286.3	12,700				160
165	14.6	211.8	12,600 *	28.4	246.4	14,600 *	34.2	258.8	15,900 *	42.2	273.2	14,600	49.0	282.1	12,000				165
170	2.8	179.1	10,200 *	24.4	236.3	13,900 *	30.9	251.0	15,100 *	39.5	267.5	13,900	46.6	277.6	11,400	52.7	283.1	9,000	170
180				13.3	207.0	12,600 *	23.0	231.3	13,700 *	33.5	253.9	12,600	41.4	267.2	10,300	48.1	274.9	8,000	180
190							10.6	198.2	12,300 *	26.3	236.5	11,500	35.7	254.6	9,300	43.0	265.1	7,100	190
200										16.4	210.9	10,400	29.0	238.8	8,400	37.5	253.3	6,300	200
210													20.4	217.1	7,500	31.1	238.6	5,600	210
220													0.6	163.1	6,700	23.3	219.2	5,000	220
230																11.2	187.0	4,400	230

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
25,000 Lb. 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



160 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	74.7	335.4	30,800 *																55
60	73.0	333.9	30,300 *																60
65	71.2	332.3	29,700 *																65
70	69.4	330.5	28,700 *																70
75	67.6	328.5	27,400 *																75
80	65.8	326.4	26,200 *																80
85	63.9	324.0	25,100 *	69.1	329.0	28,400 *													85
90	62.0	321.5	23,900 *	67.3	327.0	27,200 *													90
95	60.1	318.7	22,700 *	65.4	324.8	26,100 *													95
100	58.1	315.7	21,600 *	63.6	322.4	25,000 *	66.7	325.0	26,600 *										100
105	56.1	312.5	20,600 *	61.7	319.8	23,800 *	64.8	322.7	25,500 *										105
110	54.0	309.0	19,500 *	59.7	317.0	22,700 *	63.0	320.3	24,500 *										110
115	51.9	305.2	18,500 *	57.8	314.0	21,600 *	61.0	317.6	23,400 *										115
120	49.8	301.1	17,500 *	55.7	310.7	20,600 *	59.1	314.7	22,300 *										120
125	47.5	296.7	16,600 *	53.7	307.1	19,500 *	57.1	311.6	21,300 *	62.5	316.5	22,000							125
130	45.2	292.0	15,700 *	51.6	303.3	18,500 *	55.1	308.3	20,200 *	60.6	313.8	20,800							130
135	42.8	286.8	14,900 *	49.4	299.2	17,600 *	53.0	304.6	19,200 *	58.6	310.9	19,600							135
140	40.2	281.1	14,100 *	47.1	294.7	16,600 *	50.9	300.7	18,300 *	56.6	307.7	18,600							140
145	37.5	274.9	13,300 *	44.8	289.9	15,700 *	48.7	296.5	17,300 *	54.6	304.3	17,600							145
150	34.7	268.1	12,600 *	42.3	284.6	14,900 *	46.4	291.9	16,400 *	52.5	300.6	16,700	58.0	305.6	13,800				150
155	31.6	260.4	11,900 *	39.8	278.9	14,100 *	44.0	286.9	15,500 *	50.3	296.6	15,800	56.0	302.3	13,000				155
160	28.2	251.7	11,100 *	37.0	272.6	13,300 *	41.5	281.5	14,700 *	48.1	292.3	15,000	54.0	298.8	12,300				160
165	24.4	241.6	10,200 *	34.1	265.6	12,600 *	38.9	275.6	13,900 *	45.8	287.6	14,300	51.9	295.1	11,700				165
170	19.9	229.3	9,400 *	31.0	257.8	11,800 *	36.1	269.1	13,100 *	43.4	282.5	13,600	49.7	291.0	11,100				170
180	2.7	179.4	8,100 *	23.7	238.4	10,100 *	30.0	253.7	11,600 *	38.3	271.0	12,300	45.1	281.8	10,000	51.0	288.0	7,700	180
190				12.9	208.2	8,700 *	22.3	233.3	9,900 *	32.4	256.9	11,200	40.1	270.9	9,000	46.5	279.2	6,800	190
200							10.2	199.1	8,500 *	25.5	238.8	10,200	34.6	257.8	8,100	41.7	268.9	6,000	200
210										15.9	212.3	9,000 *	28.1	241.4	7,200	36.3	256.6	5,300	210
220													19.8	218.8	6,500	30.2	241.4	4,700	220
230													0.6	163.1	5,800	22.6	221.2	4,100	230

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On

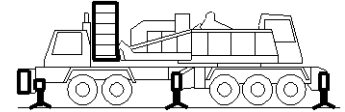
Boom No. 78T With Heavy Lift Top

95,400 Lb. Crane Counterweight

25,000 Lb. 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



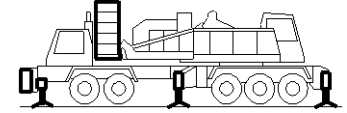
170 Ft. Boom, 70 Ft. Jib

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	69.5	246.9	83,500 *b																			35
40	65.1	244.9	80,600 *b																			40
45	60.5	242.3	76,100 *b																			45
50	55.7	239.2	71,800 *																			50
55	50.6	235.4	67,900 *	65.1	243.6	67,600 *b																55
60	45.0	230.9	63,500 *	60.5	241.0	64,100 *b																60
65	38.9	225.3	56,600 *	55.7	237.9	60,400 *	64.1	241.7	59,600 *b													65
70	31.8	218.3	50,900 *	50.6	234.1	55,400 *	59.5	239.0	54,700 *b													70
75	22.9	208.6	45,900 *	45.0	229.6	51,100 *	54.6	235.8	50,500 *													75
80	7.1	190.0	34,800 *	38.9	224.1	47,400 *	49.4	231.9	46,800 *													80
85				31.8	217.0	44,200 *	43.8	227.1	43,600 *	59.2	235.5	41,000 b										85
90				22.9	207.3	41,300 *	37.5	221.3	40,800 *	54.3	232.2	38,100										90
95				7.0	188.7	37,800 *	30.1	213.8	38,200 *	49.0	228.2	35,500										95
100							20.5	203.3	36,000 *	43.4	223.4	33,200										100
105										37.0	217.5	31,100	53.6	227.1	27,100							105
110										29.6	209.9	29,300	48.3	223.0	25,400							110
115										19.7	199.0	27,500	42.5	218.1	24,000							115
120													36.1	212.0	22,600	52.4	220.4	19,200				120
125													28.4	204.1	21,400	47.0	216.1	18,100				125
130													18.0	192.4	20,200	41.2	211.0	17,100				130
135																34.5	204.5	16,200				135
140																26.4	196.0	15,400	45.1	207.5	12,600	140
145																14.7	182.7	14,500	39.0	201.9	12,000	145
150																			31.9	194.9	11,300	150
155																			23.1	185.3	10,700	155
160																			7.5	167.0	10,100	160

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
25,000 Lb. 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



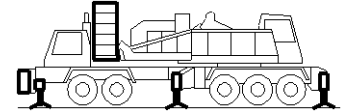
170 Ft. Boom, 80 Ft. Jib

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	72.2	257.5	77,200 *b																			35
40	68.4	255.7	77,100 *b																			40
45	64.5	253.6	73,300 *b																			45
50	60.4	250.9	69,500 *																			50
55	56.2	247.9	65,900 *	68.4	254.5	65,300 *b																55
60	51.8	244.2	62,100 *	64.5	252.3	62,100 *b																60
65	47.1	240.0	56,800 *	60.4	249.7	59,100 *	67.5	252.6	57,800 *b													65
70	42.0	234.9	51,100 *	56.2	246.6	54,800 *	63.6	250.4	54,100 *b													70
75	36.3	228.7	46,300 *	51.8	243.0	50,600 *	59.5	247.7	49,900 *													75
80	29.7	221.0	42,200 *	47.1	238.7	46,900 *	55.3	244.5	46,200 *													80
85	21.4	210.6	38,400 *	42.0	233.6	43,600 *	50.8	240.7	43,000 *													85
90	6.6	190.6	30,400 *	36.3	227.5	40,700 *	46.0	236.3	40,200 *	59.3	244.1	37,600										90
95				29.7	219.8	38,200 *	40.8	231.0	37,700 *	55.0	240.9	35,000										95
100				21.4	209.3	35,900 *	35.0	224.6	35,400 *	50.5	237.1	32,700										100
105				6.6	189.2	32,300 *	28.1	216.4	33,400 *	45.7	232.6	30,700										105
110							19.2	205.0	31,500 *	40.4	227.3	28,800	54.4	235.8	24,900							110
115										34.6	220.7	27,200	49.9	231.9	23,400							115
120										27.6	212.4	25,600	45.0	227.3	22,100							120
125										18.4	200.7	24,200	39.7	221.8	20,900							125
130													33.7	215.1	19,700	48.8	225.1	16,600				130
135													26.5	206.5	18,700	43.8	220.3	15,700				135
140													16.8	193.9	17,700	38.4	214.6	14,900				140
145																32.2	207.5	14,100	47.1	216.5	11,400	145
150																24.7	198.3	13,400	42.0	211.5	10,800	150
155																13.7	183.9	12,600	36.4	205.3	10,200	155
160																			29.8	197.7	9,700	160
165																			21.6	187.3	9,100	165
170																			7.0	167.6	8,600	170

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
 Boom No. 78T With Heavy Lift Top
 95,400 Lb. Crane Counterweight
 25,000 Lb. 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



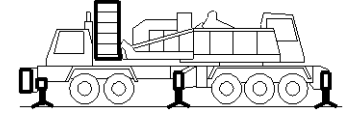
170 Ft. Boom, 90 Ft. Jib

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	74.2	268.0	70,400 *b																			35
40	70.9	266.4	70,200 *b																			40
45	67.5	264.5	68,100 *b																			45
50	64.0	262.2	66,800 *																			50
55	60.4	259.6	61,800 *	70.9	265.1	62,300 *b																55
60	56.7	256.5	58,500 *	67.5	263.2	59,600 *b																60
65	52.8	253.0	55,400 *	64.0	261.0	56,900 *																65
70	48.6	248.9	51,300 *	60.4	258.3	54,200 *	66.7	261.4	53,000 *													70
75	44.3	244.2	46,500 *	56.7	255.3	50,200 *	63.2	259.0	49,500 *													75
80	39.5	238.6	42,400 *	52.8	251.7	46,500 *	59.6	256.3	45,800 *													80
85	34.2	231.9	38,800 *	48.6	247.6	43,200 *	55.8	253.2	42,600 *													85
90	28.0	223.6	35,700 *	44.2	242.9	40,400 *	51.9	249.5	39,800 *	63.0	255.5	37,200										90
95	20.2	212.4	32,800 *	39.5	237.3	37,800 *	47.7	245.3	37,300 *	59.3	252.8	34,700										95
100	6.3	191.2	26,400 *	34.2	230.6	35,500 *	43.2	240.4	35,000 *	55.6	249.6	32,400										100
105				28.0	222.3	33,500 *	38.4	234.6	33,000 *	51.6	245.9	30,400										105
110				20.2	211.1	31,600 *	32.9	227.6	31,100 *	47.4	241.6	28,500										110
115				6.2	189.8	27,800 *	26.5	218.8	29,500 *	42.9	236.7	26,900	55.0	244.5	23,100							115
120							18.1	206.6	27,900 *	38.0	230.8	25,400	51.1	240.8	21,800							120
125										32.5	223.7	24,000	46.8	236.4	20,600							125
130										26.0	214.8	22,700	42.3	231.3	19,400							130
135										17.4	202.3	21,500	37.3	225.3	18,400	50.1	234.0	15,400				135
140													31.7	218.0	17,500	45.8	229.5	14,500				140
145													25.0	208.8	16,600	41.2	224.2	13,800				145
150													15.9	195.4	15,700	36.1	218.0	13,100				150
155																30.3	210.3	12,400	44.3	220.8	9,900	155
160																23.2	200.4	11,800	39.5	215.2	9,300	160
165																13.0	185.1	11,100	34.2	208.5	8,800	165
170																			28.1	200.3	8,300	170
180																			6.6	168.2	7,400	180

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
25,000 Lb. 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



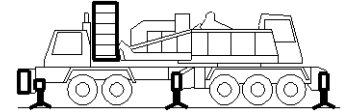
170 Ft. Boom, 100 Ft. Jib

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	75.8	278.3	52,500 *b																			35
40	72.9	276.9	51,400 *b																			40
45	69.8	275.2	50,400 *																			45
50	66.8	273.2	49,400 *																			50
55	63.6	270.9	48,500 *																			55
60	60.4	268.3	47,600 *	69.8	274.0	51,000 *																60
65	57.0	265.2	46,700 *	66.7	272.0	50,300 *																65
70	53.5	261.8	45,900 *	63.6	269.7	49,600 *																70
75	49.9	257.8	45,200 *	60.3	267.0	48,800 *	66.1	270.1	47,400 *													75
80	46.0	253.3	42,400 *	57.0	264.0	45,900 *	62.9	267.7	45,200 *													80
85	41.9	248.1	38,800 *	53.5	260.5	42,700 *	59.6	265.0	42,000 *													85
90	37.4	242.1	35,700 *	49.9	256.5	39,800 *	56.3	261.9	39,200 *													90
95	32.4	234.9	33,000 *	46.0	252.0	37,300 *	52.7	258.3	36,700 *	62.7	264.2	34,200										95
100	26.5	226.0	30,500 *	41.9	246.8	35,000 *	49.0	254.2	34,500 *	59.4	261.4	31,900										100
105	19.2	214.2	28,200 *	37.4	240.8	32,900 *	45.1	249.6	32,400 *	56.0	258.3	29,900										105
110	5.9	191.7	22,800 *	32.4	233.6	31,100 *	40.9	244.2	30,600 *	52.5	254.7	28,100										110
115				26.5	224.7	29,400 *	36.3	238.0	28,900 *	48.8	250.6	26,400										115
120				19.1	212.9	27,800 *	31.2	230.5	27,400 *	44.9	245.9	24,900	55.5	253.2	21,300							120
125				5.9	190.3	24,100 *	25.1	221.1	26,000 *	40.6	240.5	23,500	52.0	249.6	20,100							125
130							17.1	208.2	24,700 *	36.0	234.2	22,300	48.3	245.4	18,900							130
135										30.8	226.6	21,100	44.3	240.6	17,900							135
140										24.6	217.1	20,000	40.0	235.1	17,000	51.2	242.8	14,000				140
145										16.5	203.7	19,000	35.3	228.6	16,100	47.4	238.5	13,200				145
150													30.0	220.8	15,300	43.4	233.6	12,500				150
155													23.7	210.9	14,500	39.0	227.9	11,900				155
160													15.0	196.7	13,800	34.2	221.1	11,300	46.0	229.9	8,800	160
165																28.7	212.9	10,700	41.9	224.7	8,300	165
170																22.0	202.4	10,100	37.4	218.7	7,800	170
180																			26.6	202.7	7,000	180
190																			6.2	168.8	6,200	190

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
 Boom No. 78T With Heavy Lift Top
 95,400 Lb. Crane Counterweight
 25,000 Lb. 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



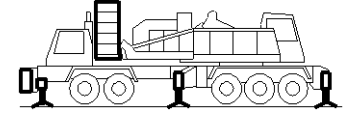
170 Ft. Boom, 110 Ft. Jib

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	74.5	287.3	49,000 *b																			40
45	71.7	285.8	48,100 *																			45
50	69.0	284.0	47,200 *																			50
55	66.2	282.0	46,400 *																			55
60	63.3	279.6	45,700 *																			60
65	60.3	276.9	44,900 *	69.0	282.8	47,800 *																65
70	57.3	273.9	44,200 *	66.2	280.7	47,200 *																70
75	54.1	270.5	43,600 *	63.3	278.3	46,700 *																75
80	50.8	266.7	41,600 *	60.3	275.7	45,600 *	65.5	278.8	44,300 *													80
85	47.4	262.3	39,300 *	57.3	272.6	42,900 *	62.6	276.4	42,200 *													85
90	43.7	257.4	36,200 *	54.1	269.2	40,000 *	59.7	273.6	39,400 *													90
95	39.8	251.8	33,400 *	50.8	265.4	37,400 *	56.6	270.5	36,800 *													95
100	35.6	245.4	31,000 *	47.4	261.0	35,100 *	53.4	267.0	34,600 *	62.4	272.9	31,800										100
105	30.8	237.7	28,800 *	43.7	256.1	33,000 *	50.1	263.1	32,500 *	59.5	270.1	29,800										105
110	25.3	228.3	26,700 *	39.8	250.5	31,100 *	46.6	258.6	30,600 *	56.4	267.0	28,000										110
115	18.3	215.8	24,800 *	35.6	244.1	29,400 *	42.9	253.6	29,000 *	53.2	263.4	26,300										115
120	5.7	192.2	20,200 *	30.8	236.4	27,900 *	38.9	247.8	27,400 *	49.9	259.5	24,800										120
125				25.3	227.0	26,400 *	34.6	241.2	26,000 *	46.4	255.0	23,500	56.0	261.9	19,900							125
130				18.2	214.5	25,000 *	29.7	233.2	24,700 *	42.7	249.9	22,200	52.8	258.3	18,900							130
135				5.6	190.8	21,400 *	23.9	223.3	23,500 *	38.7	244.1	21,100	49.4	254.3	17,800							135
140							16.3	209.7	22,400 *	34.3	237.3	20,000	45.9	249.7	16,900							140
145										29.3	229.3	19,000	42.1	244.6	16,000	52.0	251.6	13,100				145
150										23.5	219.2	18,100	38.1	238.6	15,200	48.6	247.5	12,400				150
155										15.7	205.2	17,200	33.6	231.7	14,500	45.1	242.8	11,800				155
160													28.6	223.4	13,800	41.2	237.4	11,200				160
165													22.6	213.0	13,100	37.1	231.3	10,600	47.4	238.9	8,200	165
170													14.3	198.0	12,500	32.6	224.1	10,100	43.8	234.0	7,700	170
180																21.0	204.3	9,100	35.6	222.0	6,900	180
190																			25.4	205.0	6,100	190
200																			5.9	169.3	5,400	200

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
25,000 Lb. 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



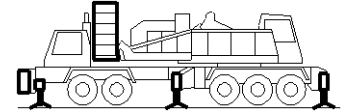
170 Ft. Boom, 120 Ft. Jib

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	75.8	297.7	46,300 *b																			40
45	73.3	296.3	45,500 *																			45
50	70.8	294.7	44,800 *																			50
55	68.3	292.8	44,100 *																			55
60	65.7	290.7	43,400 *																			60
65	63.0	288.3	42,700 *	70.8	293.4	44,900 *																65
70	60.3	285.6	42,100 *	68.2	291.5	44,500 *																70
75	57.5	282.6	41,100 *	65.7	289.4	44,000 *																75
80	54.6	279.2	39,300 *	63.0	287.0	43,500 *	67.7	289.7	42,600 *													80
85	51.6	275.5	37,600 *	60.3	284.3	42,400 *	65.1	287.5	41,200 *													85
90	48.5	271.3	35,800 *	57.5	281.3	39,500 *	62.4	285.1	38,800 *													90
95	45.3	266.6	33,300 *	54.6	277.9	36,900 *	59.7	282.3	36,300 *													95
100	41.8	261.3	30,900 *	51.6	274.2	34,600 *	56.9	279.2	34,000 *													100
105	38.1	255.4	28,700 *	48.5	270.0	32,500 *	54.0	275.8	32,000 *	62.2	281.6	29,300										105
110	34.0	248.5	26,700 *	45.3	265.3	30,600 *	51.0	271.9	30,100 *	59.5	278.8	27,500										110
115	29.5	240.4	24,900 *	41.8	260.1	28,900 *	47.8	267.6	28,400 *	56.7	275.7	25,900										115
120	24.2	230.5	23,200 *	38.1	254.1	27,400 *	44.5	262.8	26,900 *	53.8	272.2	24,400										120
125	17.5	217.4	21,500 *	34.0	247.2	25,900 *	41.0	257.4	25,500 *	50.8	268.3	23,000										125
130	5.4	192.7	17,600 *	29.5	239.1	24,600 *	37.2	251.3	24,200 *	47.6	264.0	21,800	56.3	270.6	18,300							130
135				24.2	229.2	23,300 *	33.1	244.2	23,000 *	44.3	259.2	20,600	53.4	267.1	17,300							135
140				17.5	216.1	21,700 *	28.4	235.8	21,900 *	40.8	253.7	19,600	50.4	263.1	16,400							140
145				5.4	191.3	18,700 *	22.9	225.4	20,800 *	37.0	247.5	18,600	47.2	258.8	15,600							145
150							15.6	211.1	19,900 *	32.8	240.3	17,700	43.8	253.9	14,800	52.7	260.4	11,900				150
155										28.1	231.8	16,800	40.3	248.3	14,000	49.6	256.4	11,300				155
160										22.5	221.2	16,000	36.4	242.0	13,300	46.4	251.9	10,700				160
165										15.0	206.5	15,200	32.2	234.7	12,700	43.0	246.8	10,100				165
170													27.4	225.9	12,100	39.4	241.1	9,600				170
180													13.7	199.2	10,900	31.1	227.0	8,600	41.8	237.9	6,400	180
190																20.1	206.1	7,700	34.1	225.1	5,700	190
200																			24.3	207.2	5,000	200
210																			5.7	169.8	4,300	210

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
 Boom No. 78T With Heavy Lift Top
 95,400 Lb. Crane Counterweight
 25,000 Lb. 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



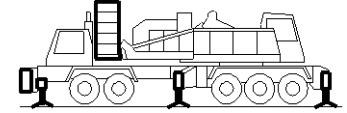
170 Ft. Boom, 130 Ft. Jib

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	74.6	306.7	42,900 *																			45
50	72.3	305.2	42,200 *																			50
55	70.0	303.5	41,600 *																			55
60	67.6	301.6	41,000 *																			60
65	65.2	299.4	40,400 *																			65
70	62.8	297.0	39,800 *	70.0	302.2	41,700 *																70
75	60.3	294.3	38,400 *	67.6	300.3	41,300 *																75
80	57.7	291.2	36,900 *	65.2	298.1	40,900 *																80
85	55.1	287.9	35,400 *	62.8	295.7	40,500 *	67.1	298.5	39,700 *													85
90	52.3	284.2	34,000 *	60.3	293.0	39,100 *	64.7	296.2	38,400 *													90
95	49.5	280.2	32,500 *	57.7	290.0	36,500 *	62.2	293.7	35,900 *													95
100	46.5	275.7	30,700 *	55.0	286.6	34,200 *	59.7	291.0	33,600 *													100
105	43.4	270.7	28,600 *	52.3	283.0	32,100 *	57.1	287.9	31,600 *													105
110	40.1	265.1	26,600 *	49.5	278.9	30,300 *	54.5	284.5	29,700 *	62.1	290.2	27,200										110
115	36.5	258.7	24,800 *	46.5	274.4	28,600 *	51.7	280.7	28,000 *	59.5	287.4	25,500										115
120	32.6	251.5	23,200 *	43.4	269.4	27,000 *	48.8	276.6	26,500 *	57.0	284.3	24,000										120
125	28.3	243.0	21,700 *	40.1	263.8	25,600 *	45.8	272.0	25,100 *	54.3	280.9	22,700										125
130	23.2	232.6	20,300 *	36.5	257.5	24,200 *	42.7	266.8	23,800 *	51.5	277.1	21,500										130
135	16.8	218.9	18,900 *	32.6	250.2	23,000 *	39.3	261.1	22,600 *	48.6	272.9	20,300	56.6	279.3	17,000							135
140	5.2	193.2	15,400 *	28.3	241.7	21,800 *	35.7	254.6	21,500 *	45.6	268.3	19,300	53.9	275.8	16,100							140
145				23.2	231.3	20,400 *	31.7	247.1	20,400 *	42.5	263.1	18,300	51.1	272.0	15,200							145
150				16.8	217.6	19,100 *	27.3	238.3	19,500 *	39.1	257.3	17,400	48.2	267.7	14,400							150
155				5.2	191.8	16,400 *	22.0	227.4	18,600 *	35.5	250.8	16,500	45.2	263.0	13,700							155
160							15.0	212.4	17,800 *	31.5	243.2	15,700	42.0	257.8	13,000	50.5	265.2	10,300				160
165										26.9	234.3	15,000	38.6	251.9	12,400	47.6	260.9	9,800				165
170										21.6	223.2	14,300	34.9	245.2	11,800	44.5	256.0	9,300				170
180													26.3	228.3	10,600	37.8	244.6	8,300	46.5	252.3	6,000	180
190													13.2	200.4	9,600	29.9	229.7	7,400	40.1	241.7	5,300	190
200																19.3	207.8	6,700	32.7	228.1	4,700	200
210																			23.3	209.3	4,100	210

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
25,000 Lb. 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



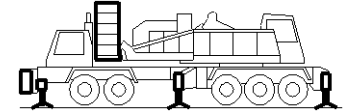
170 Ft. Boom, 140 Ft. Jib

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			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	
45	75.7	317.1	40,200 *																45
50	73.6	315.7	39,600 *																50
55	71.5	314.1	39,000 *																55
60	69.3	312.3	38,400 *																60
65	67.1	310.3	37,800 *																65
70	64.9	308.1	36,700 *																70
75	62.6	305.6	35,500 *	69.3	311.1	38,400 *													75
80	60.3	302.9	34,100 *	67.1	309.1	38,100 *													80
85	57.9	299.9	32,900 *	64.9	306.8	37,000 *													85
90	55.4	296.6	31,600 *	62.6	304.4	35,800 *	66.6	307.2	36,900 *										90
95	52.9	293.0	30,400 *	60.2	301.6	34,500 *	64.4	304.9	35,300 *										95
100	50.3	289.0	29,200 *	57.9	298.6	33,300 *	62.1	302.4	33,100 *										100
105	47.6	284.7	28,000 *	55.4	295.3	31,600 *	59.7	299.6	31,000 *										105
110	44.7	279.9	26,400 *	52.9	291.7	29,800 *	57.3	296.6	29,200 *										110
115	41.7	274.6	24,600 *	50.3	287.8	28,100 *	54.9	293.2	27,500 *	61.9	298.9	25,100							115
120	38.6	268.6	23,000 *	47.6	283.4	26,500 *	52.3	289.5	26,000 *	59.6	296.1	23,600							120
125	35.2	262.0	21,500 *	44.7	278.6	25,100 *	49.7	285.5	24,600 *	57.2	293.0	22,200							125
130	31.4	254.4	20,200 *	41.7	273.3	23,800 *	47.0	281.0	23,300 *	54.7	289.6	21,000							130
135	27.2	245.5	18,900 *	38.6	267.4	22,500 *	44.1	276.1	22,100 *	52.2	285.9	19,900							135
140	22.4	234.6	17,700 *	35.1	260.7	21,400 *	41.1	270.7	21,000 *	49.5	281.8	18,800	56.8	288.0	15,600				140
145	16.2	220.3	16,500 *	31.4	253.1	20,300 *	37.8	264.6	19,900 *	46.8	277.4	17,900	54.4	284.5	14,700				145
150	5.0	193.6	13,400 *	27.2	244.2	19,000 *	34.4	257.7	19,000 *	43.9	272.4	17,000	51.8	280.8	14,000				150
155				22.4	233.3	17,800 *	30.6	249.9	18,100 *	40.9	266.9	16,100	49.2	276.7	13,200				155
160				16.2	219.0	16,700 *	26.3	240.6	17,200 *	37.6	260.8	15,300	46.4	272.1	12,500				160
165				5.0	192.2	14,300 *	21.2	229.3	16,500 *	34.1	253.9	14,600	43.5	267.1	11,900	51.2	274.0	9,300	165
170							14.5	213.7	15,700 *	30.3	246.0	13,900	40.4	261.5	11,300	48.5	269.8	8,800	170
180										20.8	225.0	12,600	33.6	248.3	10,200	42.8	260.1	7,800	180
190													25.3	230.6	9,200	36.4	248.0	7,000	190
200													12.7	201.5	8,300	28.8	232.3	6,200	200
210																18.6	209.5	5,500	210

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
25,000 Lb. 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



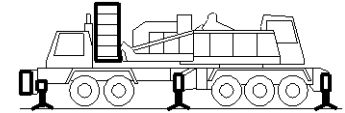
170 Ft. Boom, 150 Ft. Jib

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			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	74.7	326.1	36,900 *																50
55	72.8	324.6	36,200 *																55
60	70.7	323.0	35,400 *																60
65	68.7	321.1	34,600 *																65
70	66.6	319.1	33,700 *																70
75	64.5	316.8	32,600 *	70.7	321.7	35,800 *													75
80	62.4	314.3	31,400 *	68.7	319.8	35,200 *													80
85	60.2	311.6	30,200 *	66.6	317.8	34,000 *													85
90	58.0	308.6	28,900 *	64.5	315.5	32,800 *													90
95	55.7	305.3	27,800 *	62.4	313.0	31,700 *	66.2	315.9	33,400 *										95
100	53.4	301.8	26,600 *	60.2	310.3	30,400 *	64.1	313.6	32,300 *										100
105	51.0	297.9	25,500 *	58.0	307.3	29,300 *	61.9	311.1	30,800 *										105
110	48.5	293.6	24,400 *	55.7	304.0	28,100 *	59.8	308.3	29,000 *										110
115	45.9	289.0	23,400 *	53.4	300.5	27,000 *	57.5	305.2	27,300 *										115
120	43.1	283.9	22,400 *	51.0	296.6	25,800 *	55.2	301.9	25,800 *	61.8	307.6	23,400							120
125	40.3	278.3	21,400 *	48.5	292.4	24,700 *	52.9	298.3	24,400 *	59.6	304.7	22,100							125
130	37.2	272.1	20,200 *	45.9	287.7	23,600 *	50.4	294.3	23,100 *	57.4	301.7	20,900							130
135	33.9	265.1	18,900 *	43.1	282.6	22,400 *	47.9	290.0	21,900 *	55.1	298.3	19,700							135
140	30.3	257.1	17,800 *	40.3	277.0	21,300 *	45.3	285.3	20,800 *	52.7	294.7	18,700							140
145	26.3	247.8	16,700 *	37.2	270.8	20,200 *	42.5	280.1	19,800 *	50.3	290.7	17,700	57.1	296.6	14,600				145
150	21.6	236.6	15,700 *	33.9	263.8	19,000 *	39.6	274.3	18,800 *	47.7	286.4	16,800	54.8	293.2	13,800				150
155	15.6	221.7	14,600 *	30.3	255.8	17,900 *	36.5	268.0	17,900 *	45.1	281.6	16,000	52.4	289.6	13,100				155
160	4.9	194.0	11,900 *	26.3	246.5	16,800 *	33.2	260.8	17,100 *	42.3	276.4	15,200	49.9	285.5	12,400				160
165				21.6	235.3	15,800 *	29.5	252.6	16,300 *	39.4	270.6	14,500	47.4	281.1	11,800				165
170				15.6	220.4	14,800 *	25.4	242.9	15,600 *	36.3	264.2	13,800	44.7	276.3	11,200	51.8	282.8	8,600	170
180							14.0	214.9	14,200 *	29.2	248.6	12,500	39.0	265.2	10,100	46.8	274.2	7,700	180
190										20.1	226.8	11,400	32.5	251.3	9,100	41.3	263.9	6,900	190
200													24.4	232.8	8,200	35.1	251.2	6,100	200
210													12.3	202.6	7,400	27.8	234.8	5,400	210
220																17.9	211.1	4,800	220

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
25,000 Lb. Front Bumper Counterweight
360 Degree Rating On Fully Extended Outriggers

Designed And Tested
 With The Intent To Be In
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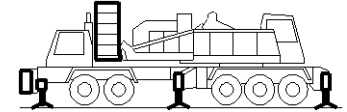
170 Ft. Boom, 160 Ft. Jib

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	75.7	336.4	33,300 *																50
55	73.9	335.1	32,800 *																55
60	72.0	333.5	32,200 *																60
65	70.1	331.8	31,500 *																65
70	68.2	329.9	30,800 *																70
75	66.2	327.8	29,700 *																75
80	64.3	325.5	28,500 *	70.1	330.5	30,200 *													80
85	62.3	323.0	27,300 *	68.2	328.6	30,200 *													85
90	60.2	320.2	26,100 *	66.2	326.5	29,800 *													90
95	58.1	317.2	25,000 *	64.3	324.2	28,700 *	67.8	326.8	29,700 *										95
100	56.0	314.0	23,800 *	62.3	321.7	27,500 *	65.8	324.7	29,300 *										100
105	53.8	310.5	22,700 *	60.2	319.0	26,400 *	63.8	322.3	28,200 *										105
110	51.6	306.7	21,700 *	58.1	316.0	25,200 *	61.8	319.7	27,200 *										110
115	49.2	302.6	20,600 *	56.0	312.7	24,100 *	59.8	316.9	26,100 *										115
120	46.8	298.1	19,600 *	53.8	309.2	23,000 *	57.7	313.9	25,000 *										120
125	44.3	293.2	18,700 *	51.6	305.4	21,900 *	55.5	310.6	23,900 *	61.7	316.2	21,700							125
130	41.7	287.8	17,800 *	49.2	301.3	20,900 *	53.3	307.0	22,600 *	59.6	313.4	20,400							130
135	38.9	281.9	17,000 *	46.8	296.8	19,900 *	51.1	303.2	21,400 *	57.5	310.4	19,300							135
140	36.0	275.4	16,100 *	44.3	291.9	19,000 *	48.7	298.9	20,300 *	55.4	307.0	18,300							140
145	32.8	268.1	15,400 *	41.7	286.5	18,000 *	46.3	294.4	19,300 *	53.2	303.4	17,300							145
150	29.4	259.8	14,600 *	38.9	280.6	17,200 *	43.8	289.4	18,300 *	50.9	299.5	16,400	57.2	305.3	13,400				150
155	25.5	250.1	14,000 *	36.0	274.1	16,300 *	41.1	283.9	17,400 *	48.6	295.3	15,600	55.1	302.0	12,600				155
160	20.9	238.5	13,300 *	32.8	266.8	15,500 *	38.3	277.9	16,600 *	46.1	290.7	14,800	52.9	298.3	12,000				160
165	15.1	223.1	12,700 *	29.3	258.5	14,800 *	35.3	271.2	15,800 *	43.6	285.7	14,100	50.6	294.4	11,300				165
170	4.7	194.5	10,300 *	25.4	248.8	14,100 *	32.1	263.7	15,100 *	40.9	280.2	13,400	48.2	290.1	10,700				170
180				15.1	221.8	12,900 *	24.5	245.1	13,700 *	35.1	267.4	12,100	43.2	280.3	9,600	50.1	287.6	7,200	180
190							13.5	216.2	12,500 *	28.3	251.2	11,000	37.7	268.6	8,700	45.2	278.5	6,400	190
200										19.4	228.6	10,000	31.4	254.1	7,800	39.9	267.6	5,600	200
210													23.6	234.9	7,000	34.0	254.3	5,000	210
220													11.9	203.7	6,300	26.9	237.3	4,400	220

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
 Boom No. 78T With Heavy Lift Top
 95,400 Lb. Crane Counterweight
 25,000 Lb. 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



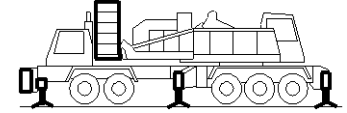
170 Ft. Boom, 170 Ft. Jib

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	74.8	345.4	29,200 *																55
60	73.1	344.0	28,000 *																60
65	71.3	342.4	26,900 *																65
70	69.5	340.6	25,700 *																70
75	67.7	338.7	24,600 *																75
80	65.9	336.5	23,500 *																80
85	64.0	334.2	22,500 *	69.5	339.3	25,700 *													85
90	62.1	331.6	21,400 *	67.7	337.4	24,700 *													90
95	60.2	328.9	20,400 *	65.9	335.2	23,600 *													95
100	58.2	325.9	19,400 *	64.0	332.9	22,600 *	67.3	335.6	24,200 *										100
105	56.2	322.7	18,500 *	62.1	330.4	21,600 *	65.5	333.4	23,300 *										105
110	54.2	319.2	17,500 *	60.2	327.6	20,600 *	63.6	331.0	22,300 *										110
115	52.1	315.5	16,700 *	58.2	324.6	19,600 *	61.7	328.4	21,300 *										115
120	49.9	311.4	15,800 *	56.2	321.4	18,600 *	59.8	325.6	20,300 *										120
125	47.7	307.1	15,000 *	54.2	317.9	17,700 *	57.8	322.6	19,400 *										125
130	45.4	302.3	14,200 *	52.1	314.2	16,800 *	55.8	319.3	18,500 *	61.6	324.9	20,200							130
135	42.9	297.2	13,500 *	49.9	310.1	16,000 *	53.7	315.8	17,600 *	59.7	322.1	19,000							135
140	40.4	291.5	12,800 *	47.7	305.8	15,200 *	51.6	312.0	16,700 *	57.7	319.0	18,000							140
145	37.7	285.4	12,100 *	45.3	301.0	14,400 *	49.4	307.8	15,900 *	55.7	315.7	17,000							145
150	34.9	278.6	11,300 *	42.9	295.9	13,600 *	47.2	303.4	15,100 *	53.6	312.2	16,200							150
155	31.8	271.0	10,500 *	40.4	290.3	12,900 *	44.8	298.6	14,300 *	51.5	308.4	15,300	57.4	314.0	12,300				155
160	28.5	262.4	9,800 *	37.7	284.1	12,200 *	42.4	293.3	13,500 *	49.3	304.2	14,500	55.4	310.7	11,700				160
165	24.7	252.4	9,100 *	34.9	277.3	11,400 *	39.8	287.6	12,800 *	47.0	299.7	13,800	53.3	307.1	11,000				165
170	20.3	240.3	8,400 *	31.8	269.7	10,600 *	37.1	281.3	12,100 *	44.7	294.9	13,100	51.2	303.2	10,500				170
180	4.6	194.9	7,200 *	24.7	251.1	9,100 *	31.1	266.5	10,500 *	39.7	283.8	11,900	46.7	294.5	9,400				180
190				14.6	223.1	7,800 *	23.8	247.3	9,000 *	34.0	270.5	10,800	41.9	284.2	8,400	48.5	292.2	6,100	190
200							13.1	217.3	7,700 *	27.4	253.7	9,700 *	36.5	272.0	7,500	43.8	282.6	5,400	200
210										18.8	230.3	8,300 *	30.4	256.9	6,800	38.7	271.2	4,700	210
220													22.9	237.0	6,000	32.9	257.3	4,100	220
230													11.5	204.7	5,400				230

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
25,000 Lb. 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



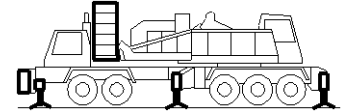
180 Ft. Boom, 70 Ft. Jib

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	
40	65.4	255.0	75,500 *b																			40
45	60.8	252.5	71,400 *b																			45
50	56.0	249.4	67,500 *																			50
55	50.9	245.7	63,900 *	66.2	254.1	62,200 *b																55
60	45.4	241.2	60,600 *	61.6	251.6	59,000 *b																60
65	39.4	235.8	56,900 *	56.9	248.6	56,000 *b	65.7	252.3	53,800 *b													65
70	32.4	228.8	51,300 *	51.8	245.1	53,100 *	61.1	249.8	51,100 *b													70
75	23.7	219.5	46,300 *	46.4	240.7	50,100 *	56.3	246.8	48,600 *													75
80	9.1	202.5	36,200 *	40.5	235.4	46,500 *	51.2	243.1	45,600 *													80
85				33.7	228.8	43,300 *	45.8	238.7	42,400 *	61.6	246.6	39,900 b										85
90				25.4	220.0	40,500 *	39.8	233.3	39,700 *	56.8	243.6	37,000										90
95				12.8	205.5	38,000 *	32.8	226.5	37,200 *	51.8	240.0	34,500										95
100							24.3	217.3	35,000 *	46.4	235.7	32,200										100
105							10.5	201.4	33,000 *	40.4	230.4	30,200	57.0	238.8	25,800							105
110										33.6	223.8	28,400	51.9	235.3	24,200							110
115										25.3	214.9	26,800	46.5	231.0	22,800							115
120										12.6	200.3	25,200	40.6	225.7	21,500							120
125													33.8	219.1	20,300	51.6	228.8	16,800				125
130													25.6	210.3	19,200	46.2	224.5	15,900				130
135													13.2	196.1	18,200	40.2	219.1	15,000				135
140																33.3	212.4	14,200				140
145																24.9	203.5	13,500	45.1	216.1	10,600	145
150																12.0	188.5	12,700	39.0	210.6	10,000	150
155																			31.9	203.6	9,500	155
160																			23.1	194.0	9,000	160
165																			7.5	175.6	8,400	165

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
 Boom No. 78T With Heavy Lift Top
 95,400 Lb. Crane Counterweight
 25,000 Lb. 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



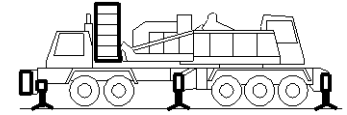
180 Ft. Boom, 80 Ft. Jib

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	
40	68.7	265.9	71,300 *b																			40
45	64.8	263.7	67,900 *b																			45
50	60.7	261.1	64,300 *																			50
55	56.5	258.1	60,800 *	69.3	264.9	60,200 *b																55
60	52.1	254.5	57,300 *	65.4	262.8	57,200 *b																60
65	47.4	250.3	53,900 *	61.4	260.3	54,400 *																65
70	42.4	245.3	50,800 *	57.3	257.3	51,800 *	65.0	261.1	49,700 *b													70
75	36.7	239.2	46,700 *	52.9	253.8	49,200 *	61.0	258.5	47,300 *													75
80	30.2	231.6	42,500 *	48.3	249.7	45,900 *	56.8	255.5	44,900 *													80
85	22.1	221.5	38,700 *	43.3	244.8	42,700 *	52.4	251.9	41,800 *													85
90	8.5	203.2	31,400 *	37.7	239.0	39,900 *	47.7	247.7	39,100 *	61.4	255.3	36,500										90
95				31.4	231.7	37,400 *	42.7	242.8	36,600 *	57.2	252.3	34,000										95
100				23.7	222.2	35,100 *	37.1	236.8	34,400 *	52.9	248.8	31,700										100
105				12.0	206.6	33,200 *	30.7	229.3	32,400 *	48.2	244.7	29,800										105
110							22.7	219.4	30,600 *	43.2	239.8	28,000	57.4	247.5	23,700							110
115							9.9	202.3	29,000 *	37.7	233.9	26,300	53.0	244.0	22,300							115
120										31.4	226.7	24,800	48.4	239.9	21,000							120
125										23.6	217.1	23,500	43.4	235.1	19,800							125
130										11.8	201.4	22,200	37.9	229.3	18,700	52.7	237.6	15,300				130
135													31.6	222.0	17,700	48.0	233.5	14,500				135
140													23.9	212.5	16,800	43.0	228.6	13,700				140
145													12.3	197.3	15,900	37.5	222.7	13,000				145
150																31.1	215.3	12,300	47.1	225.2	9,500	150
155																23.3	205.6	11,600	42.0	220.1	8,900	155
160																11.2	189.5	11,000	36.4	214.0	8,400	160
165																			29.8	206.3	8,000	165
170																			21.6	195.9	7,500	170

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
25,000 Lb. 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



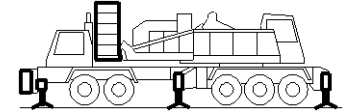
180 Ft. Boom, 90 Ft. Jib

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	
40	71.1	276.5	52,600 *b																			40
45	67.7	274.6	51,400 *b																			45
50	64.2	272.4	50,300 *																			50
55	60.6	269.8	49,200 *																			55
60	56.9	266.8	48,200 *	68.3	273.6	52,600 *b																60
65	53.0	263.3	47,300 *	64.8	271.5	50,700 *																65
70	48.9	259.2	46,400 *	61.3	268.9	48,500 *	67.9	272.0	46,200 *b													70
75	44.6	254.5	45,200 *	57.6	266.0	46,300 *	64.4	269.7	44,300 *													75
80	39.8	249.0	42,700 *	53.7	262.6	44,200 *	60.9	267.2	42,400 *													80
85	34.6	242.4	39,100 *	49.7	258.6	42,300 *	57.2	264.2	40,600 *													85
90	28.5	234.3	35,900 *	45.3	254.0	39,500 *	53.3	260.7	38,700 *													90
95	20.8	223.4	33,000 *	40.7	248.7	37,000 *	49.2	256.7	36,200 *	61.2	263.9	33,600										95
100	8.0	204.0	27,000 *	35.5	242.3	34,800 *	44.8	252.0	34,000 *	57.5	261.0	31,400										100
105				29.6	234.5	32,700 *	40.1	246.6	32,000 *	53.7	257.5	29,400										105
110				22.3	224.2	30,900 *	34.9	240.0	30,200 *	49.6	253.6	27,700										110
115				11.3	207.6	29,300 *	28.9	232.0	28,600 *	45.3	249.0	26,000	57.7	256.2	21,900							115
120							21.4	221.3	27,100 *	40.6	243.6	24,600	53.8	252.8	20,700							120
125							9.3	203.1	25,700 *	35.5	237.2	23,200	49.8	248.8	19,500							125
130										29.5	229.4	22,000	45.4	244.3	18,400							130
135										22.2	219.1	20,800	40.8	238.9	17,400							135
140										11.2	202.4	19,700	35.6	232.6	16,500	49.5	242.4	13,300				140
145													29.7	224.8	15,700	45.1	237.8	12,600				145
150													22.5	214.6	14,900	40.5	232.4	12,000				150
155													11.6	198.3	14,100	35.3	225.9	11,300				155
160																29.3	218.0	10,700				160
165																21.9	207.6	10,200	44.3	229.4	8,100	165
170																10.5	190.4	9,600	39.5	223.8	7,600	170
180																			34.2	217.2	7,200	180
																			20.3	197.8	6,400	180

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
 Boom No. 78T With Heavy Lift Top
 95,400 Lb. Crane Counterweight
 25,000 Lb. 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



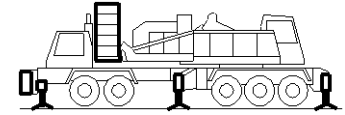
180 Ft. Boom, 100 Ft. Jib

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	
40	73.1	287.0	50,300 *b																			40
45	70.1	285.4	49,300 *b																			45
50	67.0	283.4	48,400 *																			50
55	63.8	281.1	47,500 *																			55
60	60.6	278.5	46,600 *	70.6	284.3	50,100 *b																60
65	57.2	275.4	45,800 *	67.5	282.4	49,000 *																65
70	53.8	272.0	45,100 *	64.4	280.2	47,000 *																70
75	50.1	268.1	43,000 *	61.1	277.6	45,000 *	67.2	280.7	42,900 *													75
80	46.3	263.6	40,800 *	57.8	274.7	43,100 *	64.0	278.4	41,200 *													80
85	42.2	258.5	38,600 *	54.4	271.3	41,300 *	60.8	275.8	39,500 *													85
90	37.7	252.5	36,200 *	50.8	267.5	39,300 *	57.4	272.8	37,800 *													90
95	32.7	245.4	33,400 *	47.0	263.1	36,700 *	54.0	269.4	35,900 *													95
100	27.0	236.7	30,900 *	42.9	258.1	34,500 *	50.3	265.5	33,700 *	61.1	272.6	30,900										100
105	19.8	225.2	28,500 *	38.5	252.3	32,400 *	46.5	261.1	31,600 *	57.8	269.6	28,900										105
110	7.6	204.6	23,500 *	33.6	245.4	30,600 *	42.4	256.0	29,800 *	54.3	266.3	27,200										110
115				28.0	237.0	28,900 *	38.0	250.1	28,200 *	50.7	262.4	25,600										115
120				21.2	226.1	27,300 *	33.1	243.1	26,700 *	46.9	258.1	24,100	57.9	264.9	20,100							120
125				10.7	208.6	25,900 *	27.4	234.5	25,300 *	42.9	253.0	22,800	54.4	261.5	19,000							125
130							20.3	223.2	24,000 *	38.5	247.2	21,500	50.8	257.7	17,900							130
135							8.8	203.9	22,900 *	33.6	240.3	20,400	47.0	253.3	16,900							135
140										28.0	232.0	19,400	43.0	248.3	16,000							140
145										21.1	221.0	18,400	38.6	242.5	15,200	50.6	251.2	12,100				145
150										10.6	203.4	17,400	33.7	235.7	14,400	46.8	246.8	11,400				150
155													28.2	227.4	13,700	42.7	241.8	10,800				155
160													21.3	216.5	13,000	38.3	235.9	10,200				160
165													11.0	199.3	12,300	33.4	229.0	9,700	46.0	238.5	7,100	165
170																27.8	220.6	9,200	41.9	233.4	6,600	170
180																10.0	191.3	8,200	32.4	220.2	5,900	180
190																			19.3	199.5	5,200	190

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
25,000 Lb. 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



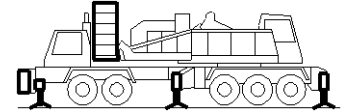
180 Ft. Boom, 110 Ft. Jib

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	74.7	297.4	47,900 *b																			40
45	71.9	295.9	47,000 *																			45
50	69.2	294.2	46,200 *																			50
55	66.4	292.1	45,500 *																			55
60	63.5	289.8	44,700 *																			60
65	60.5	287.1	44,000 *	69.6	293.1	46,800 *																65
70	57.5	284.1	42,800 *	66.8	291.2	45,600 *																70
75	54.3	280.7	40,800 *	64.0	288.9	43,800 *																75
80	51.1	276.9	38,800 *	61.0	286.3	42,100 *	66.5	289.4	40,100 *													80
85	47.6	272.6	36,900 *	58.0	283.3	40,400 *	63.7	287.1	38,500 *													85
90	44.0	267.8	35,100 *	54.9	280.0	38,800 *	60.7	284.5	37,000 *													90
95	40.1	262.2	33,400 *	51.6	276.3	36,600 *	57.7	281.5	35,500 *													95
100	35.9	255.8	31,200 *	48.2	272.1	34,300 *	54.5	278.1	33,500 *													100
105	31.2	248.3	28,900 *	44.6	267.3	32,300 *	51.3	274.4	31,500 *	61.0	281.2	28,800										105
110	25.7	239.1	26,900 *	40.8	261.9	30,400 *	47.8	270.1	29,700 *	58.0	278.3	27,100										110
115	18.8	226.9	25,000 *	36.6	255.7	28,800 *	44.2	265.3	28,100 *	54.9	275.0	25,500										115
120	7.3	205.3	20,700 *	32.0	248.4	27,200 *	40.4	259.8	26,600 *	51.6	271.2	24,000										120
125				26.7	239.5	25,800 *	36.2	253.4	25,200 *	48.2	267.0	22,700										125
130				20.2	227.9	24,500 *	31.5	246.0	23,900 *	44.6	262.3	21,500	55.0	270.2	17,800							130
135				10.2	209.5	22,800 *	26.1	236.9	22,700 *	40.8	256.9	20,300	51.7	266.5	16,800							135
140							19.3	224.9	21,600 *	36.6	250.6	19,300	48.3	262.3	16,000							140
145							8.4	204.6	20,600 *	32.0	243.3	18,300	44.7	257.6	15,100							145
150										26.7	234.4	17,400	40.9	252.2	14,400	51.5	260.1	11,300				150
155										20.1	222.8	16,600	36.7	245.9	13,600	48.1	255.8	10,700				155
160										10.1	204.3	15,800	32.1	238.7	13,000	44.5	251.1	10,100				160
165													26.8	229.8	12,300	40.6	245.6	9,600				165
170													20.3	218.4	11,700	36.4	239.3	9,100	47.4	247.6	6,500	170
180																26.5	223.0	8,200	39.9	237.1	5,800	180
190																9.5	192.2	7,300	30.9	223.0	5,100	190
200																			18.3	201.2	4,500	200

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
 Boom No. 78T With Heavy Lift Top
 95,400 Lb. Crane Counterweight
 25,000 Lb. 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



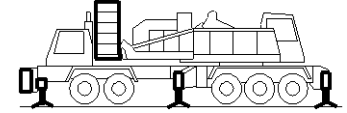
180 Ft. Boom, 120 Ft. Jib

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	76.0	307.8	45,200 *b																			40
45	73.5	306.4	44,500 *																			45
50	71.0	304.8	43,800 *																			50
55	68.4	303.0	43,100 *																			55
60	65.8	300.8	42,500 *																			60
65	63.2	298.5	41,700 *																			65
70	60.5	295.8	40,000 *	68.9	301.9	43,600 *																70
75	57.7	292.8	38,400 *	66.3	299.9	42,200 *																75
80	54.8	289.5	36,700 *	63.7	297.6	40,700 *																80
85	51.9	285.7	35,100 *	61.0	294.9	39,200 *	66.0	298.2	37,200 *													85
90	48.8	281.6	33,500 *	58.2	292.0	37,700 *	63.4	295.8	35,900 *													90
95	45.5	276.9	31,900 *	55.3	288.7	36,100 *	60.6	293.1	34,500 *													95
100	42.0	271.7	30,500 *	52.4	285.1	33,800 *	57.9	290.2	33,000 *													100
105	38.3	265.8	28,800 *	49.3	281.0	31,800 *	55.0	286.9	31,000 *													105
110	34.3	259.0	26,800 *	46.1	276.4	29,900 *	52.0	283.2	29,200 *	60.9	289.9	26,600										110
115	29.8	251.0	25,000 *	42.7	271.3	28,300 *	48.9	279.0	27,500 *	58.2	287.0	25,000										115
120	24.6	241.3	23,300 *	39.0	265.5	26,700 *	45.7	274.4	26,000 *	55.3	283.7	23,500										120
125	18.0	228.5	21,700 *	35.0	258.9	25,300 *	42.3	269.2	24,600 *	52.3	280.0	22,200										125
130	7.0	205.9	18,000 *	30.6	251.2	24,000 *	38.6	263.4	23,400 *	49.3	276.0	21,000										130
135				25.6	241.8	22,800 *	34.6	256.6	22,200 *	46.0	271.4	19,900	55.4	278.9	16,300							135
140				19.3	229.7	21,700 *	30.1	248.7	21,100 *	42.6	266.3	18,900	52.4	275.3	15,500							140
145				9.8	210.4	20,000 *	24.9	239.1	20,100 *	39.0	260.5	17,900	49.4	271.2	14,600							145
150							18.5	226.6	19,200 *	35.0	253.8	17,000	46.1	266.7	13,900							150
155							8.0	205.4	18,300 *	30.6	246.1	16,200	42.7	261.6	13,200	52.2	268.8	10,200				155
160										25.5	236.7	15,400	39.1	255.8	12,500	49.2	264.8	9,600				160
165										19.2	224.6	14,700	35.1	249.2	11,900	45.9	260.2	9,100				165
170										9.7	205.1	14,000	30.7	241.5	11,300	42.5	255.0	8,600				170
180													19.5	220.1	10,200	34.8	242.5	7,700	45.3	251.8	5,300	180
190																25.3	225.3	6,900	38.1	240.6	4,600	190
200																9.1	193.0	6,100	29.5	225.7	4,000	200

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
25,000 Lb. 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



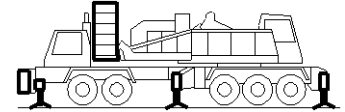
180 Ft. Boom, 130 Ft. Jib

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			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	
45	74.8	316.8	42,000 *																45
50	72.5	315.3	41,300 *																50
55	70.2	313.6	40,700 *																55
60	67.8	311.7	39,900 *																60
65	65.4	309.6	38,700 *																65
70	63.0	307.1	37,300 *	70.6	312.6	40,800 *													70
75	60.5	304.4	36,000 *	68.2	310.7	40,500 *													75
80	57.9	301.5	34,600 *	65.8	308.6	39,300 *													80
85	55.2	298.2	33,200 *	63.4	306.2	38,000 *	67.9	309.0	36,000 *										85
90	52.5	294.5	31,900 *	60.9	303.6	36,600 *	65.5	306.9	34,800 *										90
95	49.7	290.5	30,500 *	58.3	300.7	35,300 *	63.1	304.5	33,600 *										95
100	46.7	286.0	29,200 *	55.7	297.4	33,500 *	60.6	301.8	32,400 *										100
105	43.6	281.0	27,900 *	53.0	293.8	31,400 *	58.0	298.8	30,600 *										105
110	40.3	275.5	26,700 *	50.2	289.9	29,600 *	55.4	295.6	28,800 *										110
115	36.8	269.2	25,000 *	47.2	285.5	27,900 *	52.7	291.9	27,100 *	60.9	298.6	24,700							115
120	32.9	262.0	23,300 *	44.2	280.6	26,400 *	49.9	287.9	25,600 *	58.3	295.6	23,200							120
125	28.6	253.6	21,800 *	40.9	275.1	24,900 *	46.9	283.5	24,300 *	55.7	292.4	21,900							125
130	23.6	243.4	20,400 *	37.4	269.0	23,700 *	43.8	278.5	23,000 *	53.0	288.8	20,700							130
135	17.3	230.0	19,000 *	33.6	262.0	22,500 *	40.5	273.0	21,800 *	50.2	284.8	19,600							135
140	6.7	206.5	15,800 *	29.4	253.8	21,400 *	37.0	266.8	20,700 *	47.2	280.4	18,600	55.8	287.6	15,100				140
145				24.5	244.0	20,300 *	33.2	259.7	19,700 *	44.1	275.5	17,600	53.0	284.0	14,300				145
150				18.5	231.3	19,400 *	28.9	251.4	18,800 *	40.9	270.1	16,700	50.2	280.1	13,500				150
155				9.4	211.2	17,500 *	23.9	241.3	17,900 *	37.4	263.9	15,900	47.3	275.7	12,800				155
160							17.7	228.2	17,100 *	33.6	256.9	15,100	44.2	270.8	12,200	52.9	277.6	9,300	160
165							7.7	206.0	16,300 *	29.4	248.8	14,400	41.0	265.4	11,500	50.0	273.6	8,700	165
170										24.5	238.9	13,700	37.5	259.3	11,000	47.1	269.2	8,300	170
180										9.3	206.0	12,500	29.5	244.2	9,900	40.8	258.8	7,400	180
190													18.7	221.8	8,900	33.4	245.6	6,600	190
200																24.3	227.5	5,800	200
210																8.8	193.8	5,100	210

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
 Boom No. 78T With Heavy Lift Top
 95,400 Lb. Crane Counterweight
 25,000 Lb. Front Bumper Counterweight
 360 Degree Rating On Fully Extended Outriggers

Designed And Tested
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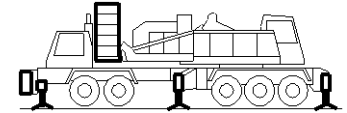
180 Ft. Boom, 140 Ft. Jib

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			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	
45	75.9	327.1	39,200 *																45
50	73.8	325.8	38,400 *																50
55	71.6	324.2	37,600 *																55
60	69.5	322.5	36,600 *																60
65	67.3	320.5	35,600 *																65
70	65.0	318.3	34,600 *																70
75	62.7	315.8	33,500 *	69.8	321.4	37,700 *													75
80	60.4	313.1	32,300 *	67.6	319.5	37,400 *													80
85	58.0	310.1	31,200 *	65.4	317.3	36,500 *													85
90	55.6	306.9	30,000 *	63.1	314.9	35,300 *	67.4	317.8	33,400 *										90
95	53.1	303.3	28,900 *	60.8	312.2	34,100 *	65.2	315.6	32,300 *										95
100	50.5	299.3	27,700 *	58.4	309.3	32,900 *	62.9	313.2	31,300 *										100
105	47.8	295.0	26,600 *	56.0	306.1	30,900 *	60.6	310.5	30,000 *										105
110	44.9	290.2	25,500 *	53.5	302.6	29,100 *	58.2	307.5	28,200 *										110
115	42.0	285.0	24,500 *	50.9	298.7	27,400 *	55.7	304.3	26,600 *										115
120	38.8	279.1	23,100 *	48.2	294.4	25,900 *	53.2	300.7	25,100 *	60.8	307.2	22,700							120
125	35.4	272.5	21,600 *	45.4	289.7	24,500 *	50.6	296.8	23,700 *	58.4	304.3	21,400							125
130	31.7	264.9	20,300 *	42.5	284.6	23,200 *	47.9	292.5	22,500 *	56.0	301.1	20,200							130
135	27.6	256.1	19,000 *	39.4	278.8	22,000 *	45.1	287.7	21,300 *	53.5	297.5	19,100							135
140	22.7	245.5	17,800 *	36.0	272.3	20,900 *	42.1	282.5	20,200 *	50.9	293.7	18,100							140
145	16.7	231.5	16,600 *	32.4	265.0	19,800 *	39.0	276.6	19,200 *	48.2	289.4	17,200	56.1	296.3	13,800				145
150	6.5	207.1	13,700 *	28.3	256.4	18,900 *	35.6	270.1	18,300 *	45.4	284.7	16,300	53.6	292.8	13,000				150
155				23.6	246.1	18,000 *	31.9	262.6	17,400 *	42.5	279.5	15,500	51.0	288.9	12,300				155
160				17.9	232.9	16,900 *	27.8	253.9	16,600 *	39.3	273.7	14,700	48.3	284.7	11,700				160
165				9.1	212.0	15,300 *	23.1	243.4	15,800 *	36.0	267.3	14,000	45.5	280.0	11,100				165
170							17.1	229.7	15,100 *	32.3	259.9	13,300	42.5	274.8	10,500	50.8	282.5	7,700	170
180										23.6	241.0	12,100	36.1	262.6	9,500	45.3	273.5	6,900	180
190										8.9	206.8	11,000	28.4	246.7	8,500	39.2	262.5	6,100	190
200													18.0	223.4	7,600	32.2	248.6	5,400	200
210																23.4	229.6	4,700	210
220																8.4	194.5	4,100	220

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
 Boom No. 78T With Heavy Lift Top
 95,400 Lb. Crane Counterweight
 25,000 Lb. Front Bumper Counterweight
 360 Degree Rating On Fully Extended Outriggers

Designed And Tested
 With The Intent To Be In
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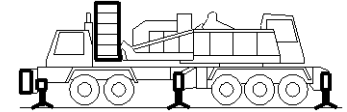
180 Ft. Boom, 150 Ft. Jib

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			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	74.9	336.2	35,000 *																50
55	72.9	334.7	34,400 *																55
60	70.9	333.1	33,600 *																60
65	68.9	331.3	32,800 *																65
70	66.8	329.2	31,900 *																70
75	64.7	327.0	31,100 *																75
80	62.6	324.5	30,100 *	69.2	330.2	34,800 *													80
85	60.4	321.8	29,200 *	67.1	328.2	33,900 *													85
90	58.2	318.8	28,200 *	65.1	326.0	32,800 *													90
95	55.9	315.6	27,300 *	62.9	323.6	31,700 *	66.9	326.5	31,200 *										95
100	53.6	312.0	26,300 *	60.8	320.9	30,500 *	64.8	324.3	30,200 *										100
105	51.1	308.2	25,300 *	58.6	318.0	29,400 *	62.7	321.8	29,300 *										105
110	48.6	303.9	24,400 *	56.3	314.8	28,300 *	60.5	319.1	28,100 *										110
115	46.0	299.3	23,400 *	54.0	311.3	27,200 *	58.3	316.2	26,400 *										115
120	43.3	294.3	22,400 *	51.6	307.5	25,700 *	56.0	312.9	24,900 *	62.9	318.6	22,600							120
125	40.5	288.7	21,500 *	49.1	303.4	24,300 *	53.7	309.4	23,600 *	60.7	315.9	21,300							125
130	37.4	282.5	20,300 *	46.5	298.8	23,000 *	51.3	305.6	22,300 *	58.5	313.0	20,100							130
135	34.2	275.6	19,000 *	43.8	293.8	21,800 *	48.8	301.4	21,200 *	56.3	309.8	19,000							135
140	30.6	267.7	17,900 *	41.0	288.4	20,700 *	46.2	296.8	20,100 *	53.9	306.3	18,000							140
145	26.6	258.5	16,800 *	38.0	282.3	19,700 *	43.5	291.8	19,100 *	51.5	302.5	17,000							145
150	22.0	247.5	15,800 *	34.7	275.5	18,700 *	40.6	286.3	18,100 *	49.1	298.3	16,200	56.3	305.0	12,900				150
155	16.1	233.0	14,700 *	31.2	267.8	17,800 *	37.6	280.1	17,300 *	46.5	293.8	15,400	54.0	301.5	12,200				155
160	6.2	207.6	12,200 *	27.3	258.9	17,000 *	34.4	273.2	16,500 *	43.8	288.8	14,600	51.6	297.7	11,600				160
165				22.8	248.2	16,000 *	30.8	265.4	15,700 *	40.9	283.3	13,900	49.1	293.6	11,000				165
170				17.2	234.5	15,000 *	26.9	256.3	15,000 *	37.9	277.2	13,200	46.6	289.1	10,400				170
180							16.5	231.2	13,600 *	31.2	262.7	12,000	41.0	278.6	9,300	49.0	287.1	6,700	180
190										22.8	243.1	10,900	34.8	265.8	8,400	43.7	277.6	6,000	190
200										8.6	207.5	9,900	27.4	249.2	7,600	37.8	266.0	5,300	200
210													17.4	225.0	6,800	31.1	251.4	4,600	210
220																22.6	231.6	4,000	220

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
 Boom No. 78T With Heavy Lift Top
 95,400 Lb. Crane Counterweight
 25,000 Lb. 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



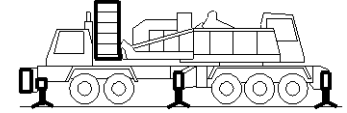
180 Ft. Boom, 160 Ft. Jib

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	75.9	346.5	31,800 *																50
55	74.0	345.2	31,200 *																55
60	72.1	343.6	30,600 *																60
65	70.2	341.9	30,000 *																65
70	68.3	340.0	29,300 *																70
75	66.4	337.9	28,500 *																75
80	64.4	335.7	27,800 *	70.6	340.9	31,000 *													80
85	62.4	333.2	27,000 *	68.6	339.0	30,800 *													85
90	60.4	330.4	26,100 *	66.7	337.0	29,800 *													90
95	58.3	327.5	24,900 *	64.7	334.7	28,700 *													95
100	56.2	324.2	23,800 *	62.8	332.3	27,600 *	66.5	335.3	28,800 *										100
105	54.0	320.7	22,700 *	60.7	329.6	26,500 *	64.5	333.0	27,400 *										105
110	51.7	317.0	21,700 *	58.6	326.6	25,400 *	62.5	330.5	27,200 *										110
115	49.4	312.8	20,700 *	56.5	323.5	24,300 *	60.5	327.8	25,900 *										115
120	47.0	308.4	19,700 *	54.3	320.0	23,200 *	58.4	324.8	24,400 *										120
125	44.5	303.5	18,800 *	52.1	316.3	22,200 *	56.3	321.6	23,100 *	62.7	327.2	20,800							125
130	41.9	298.2	17,900 *	49.8	312.2	21,200 *	54.1	318.2	21,800 *	60.7	324.6	19,600							130
135	39.1	292.3	17,000 *	47.4	307.8	20,200 *	51.9	314.4	20,600 *	58.6	321.6	18,600							135
140	36.2	285.9	16,200 *	44.9	303.0	19,200 *	49.5	310.3	19,600 *	56.5	318.4	17,500							140
145	33.0	278.6	15,400 *	42.3	297.8	18,300 *	47.1	305.8	18,600 *	54.3	315.0	16,600							145
150	29.6	270.4	14,700 *	39.6	292.0	17,400 *	44.7	301.0	17,600 *	52.1	311.3	15,700							150
155	25.7	260.9	14,000 *	36.7	285.7	16,600 *	42.0	295.7	16,800 *	49.8	307.2	14,900	56.6	313.7	11,700				155
160	21.3	249.4	13,400 *	33.6	278.6	15,800 *	39.3	289.9	16,000 *	47.4	302.8	14,200	54.4	310.2	11,100				160
165	15.6	234.4	12,800 *	30.2	270.5	15,000 *	36.4	283.5	15,200 *	44.9	298.0	13,500	52.2	306.5	10,500				165
170	6.0	208.2	10,500 *	26.4	261.3	14,300 *	33.2	276.3	14,500 *	42.3	292.7	12,800	49.9	302.5	9,900				170
180				16.7	236.0	13,100 *	26.0	258.7	13,200 *	36.7	280.6	11,600	45.0	293.3	8,900	52.0	300.1	6,200	180
190							16.0	232.6	12,000 *	30.2	265.5	10,500	39.7	282.3	8,000	47.3	291.6	5,500	190
200										22.0	245.1	9,500	33.7	268.9	7,100	42.2	281.5	4,800	200
210										8.4	208.3	8,600	26.5	251.6	6,400	36.6	269.3	4,200	210
220													16.8	226.5	5,700				220

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On
Boom No. 78T With Heavy Lift Top
95,400 Lb. Crane Counterweight
25,000 Lb. 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



180 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	75.0	355.5	28,100 *																55
60	73.2	354.1	27,600 *																60
65	71.4	352.5	26,700 *																65
70	69.7	350.7	25,600 *																70
75	67.8	348.8	24,500 *																75
80	66.0	346.7	23,500 *																80
85	64.2	344.3	22,400 *	70.0	349.7	25,800 *													85
90	62.3	341.8	21,400 *	68.2	347.8	24,800 *													90
95	60.3	339.1	20,400 *	66.3	345.7	23,800 *													95
100	58.4	336.1	19,400 *	64.5	343.4	22,800 *													100
105	56.4	332.9	18,500 *	62.6	340.9	21,800 *	66.1	344.0	23,500 *										105
110	54.3	329.5	17,600 *	60.7	338.2	20,800 *	64.3	341.7	22,500 *										110
115	52.2	325.7	16,700 *	58.7	335.3	19,800 *	62.4	339.2	21,600 *										115
120	50.1	321.7	15,900 *	56.7	332.2	18,900 *	60.5	336.5	20,700 *										120
125	47.8	317.4	15,100 *	54.7	328.7	18,000 *	58.5	333.5	19,700 *										125
130	45.5	312.6	14,300 *	52.6	325.1	17,100 *	56.5	330.3	18,800 *	62.6	335.9	19,400							130
135	43.1	307.5	13,600 *	50.4	321.1	16,200 *	54.5	326.9	17,900 *	60.7	333.2	18,300							135
140	40.6	301.9	12,900 *	48.2	316.8	15,400 *	52.4	323.2	17,100 *	58.7	330.3	17,300							140
145	37.9	295.8	12,200 *	45.9	312.1	14,600 *	50.2	319.2	16,200 *	56.7	327.1	16,300							145
150	35.1	289.1	11,400 *	43.5	307.1	13,900 *	48.0	314.8	15,400 *	54.7	323.7	15,500							150
155	32.0	281.5	10,600 *	41.0	301.6	13,100 *	45.7	310.1	14,600 *	52.6	320.0	14,700							155
160	28.7	273.0	9,900 *	38.4	295.6	12,400 *	43.3	305.0	13,800 *	50.4	316.1	13,900	56.8	322.4	10,800				160
165	25.0	263.1	9,100 *	35.6	288.9	11,700 *	40.7	299.5	13,100 *	48.2	311.8	13,200	54.7	319.0	10,200				165
170	20.6	251.2	8,500 *	32.6	281.5	10,900 *	38.1	293.4	12,400 *	45.9	307.1	12,600	52.6	315.3	9,600				170
180	5.9	208.7	7,300 *	25.6	263.6	9,300 *	32.2	279.2	10,800 *	41.0	296.5	11,300	48.3	307.0	8,600				180
190				16.2	237.4	8,000 *	25.2	260.9	9,300 *	35.6	283.9	10,300	43.6	297.3	7,700	50.3	304.9	5,200	190
200							15.5	234.0	8,000 *	29.3	268.1	9,300	38.4	285.8	6,900	45.8	295.9	4,500	200
210										21.4	247.0	8,400	32.6	271.8	6,100				210
220										8.1	209.0	7,500 *	25.7	253.9	5,400				220
230													16.3	227.9	4,800				230