

Liftcrane Luffing Jib Capacities

**Luffing Jib No. 139 On Boom No. 78
105,000 Lb. Crane Counterweight
360 Degree Rating**

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

777 SERIES 1

LIFTING CAPACITIES: Lifting capacities for various boom lengths, boom angles, luffing jib lengths, and luffing jib operating radii are for freely suspended loads and do not exceed 75% of a static tipping load. Capacities based on structural competence are denoted by an asterisk (*). Capacities indicated by (b) require 2,825 Lb. minimum block weight.

Weight of all load blocks, hooks, weight ball, slings, hoist lines, etc., beneath boom and luffing jib point sheaves, is considered part of luffing jib load. Boom and luffing jib are not to be lowered beyond radii where combined weights are greater than rated capacity. Where no capacity is shown, operation is not intended or approved.

OPERATING CONDITIONS: Machine to operate on a firm uniformly supporting surface with bearing turntable level within a tolerance of 1/2 in. in 10 Ft. During operation, boom must be maintained at one of the selected angles shown in chart. Refer to luffing jib assembly **No. 179420**, Wire Rope Specification chart **No. 7984-A** and Luffing Jib Raising Procedure chart **No. 7986-A**. Crane operator judgment must be used to allow for dynamic load effects of swinging, hoisting or lowering, travel, wind conditions, as well as adverse operating conditions and physical machine depreciation. Refer to operators manual for operating guidelines.

MACHINE TRAVEL: Machine to travel on a firm, level and uniformly supporting surface with boom and luffing jib within angle range shown in capacity chart. Refer to Maximum Allowable Travel Specification chart **No. 7987-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 24 Ft. 9 in. crawlers, 38 in. or 48 in. treads, two 12 in. boom hoist cylinders, 26 Ft. mast, four 1-1/4 in. boom pendants, 7 part luffing jib hoist reeving, two 1-1/2 in. luffing jib pendants, two 1-3/8 in. luffing jib backstays, and 105,000 Lb. counterweight.

Consult chart **No. 7982-A** for lifting off lower boom point with luffing jib attached.



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777 SERIES 1

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	146.0	104,600 *b																			30
35	66.5	144.1	100,100 *b																			35
40	61.9	141.7	89,600 b	67.6	144.1	85,700 b																40
45	57.2	138.7	76,700	63.1	141.8	73,300 b																45
50	52.1	135.2	66,800	58.4	139.0	63,900	66.5	142.9	71,300 b													50
							61.9	140.5	62,200 b													
55	46.8	130.9	59,100	53.5	135.6	56,500	57.2	137.6	55,000	63.0	139.6	52,400 b										55
60	40.8	125.7	52,900	48.2	131.5	50,600	52.2	134.0	49,200	58.3	136.8	46,800										60
65	34.1	119.2	47,800	42.4	126.6	45,700	46.8	129.7	44,400	53.4	133.4	42,300										65
70	25.9	110.5	43,400	36.0	120.4	41,500	40.9	124.5	40,400	48.1	129.3	38,500	54.4	132.2	36,500							70
75	13.9	96.7	39,700	28.3	112.5	38,000	34.2	118.0	37,000	42.3	124.4	35,200	49.2	128.2	33,400							75
80				17.8	100.7	35,000	26.0	109.4	34,000	35.8	118.2	32,400	43.5	123.5	30,800	50.0	126.4	29,200				80
85							14.0	95.7	31,400	28.1	110.2	29,900	37.2	117.6	28,400	44.5	121.8	27,000				85
90										17.5	98.3	27,700	29.8	110.0	26,400	38.3	116.1	25,000	45.1	119.4	23,700	90
95													20.0	99.2	24,500	31.1	108.9	23,300	39.0	113.8	22,000	95
100																21.9	98.8	21,700	31.9	106.8	20,500	100
105																1.7	74.8	20,200	23.1	97.2	19,200	105
110																			7.5	78.9	17,900	110



Liftcrane Luffing Jib Capacities

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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	156.6	95,900 *b																			30
35	69.5	154.9	91,800 *b																			35
40	65.7	152.8	88,000 *	70.5	154.8	85,400 b																40
45	61.7	150.3	76,400	66.7	152.8	73,000																45
50	57.5	147.4	66,600	62.7	150.4	63,600	65.7	151.6	61,800													50
55	53.2	144.0	58,900	58.6	147.6	56,200	61.7	149.2	54,700													55
60	48.6	139.9	52,700	54.3	144.3	50,300	57.6	146.2	48,900	62.6	148.3	46,500										60
65	43.6	135.1	47,600	49.8	140.4	45,400	53.2	142.8	44,100	58.5	145.5	41,900										65
70	38.1	129.3	43,300	44.9	135.8	41,300	48.6	138.7	40,100	54.2	142.2	38,100										70
75	31.9	122.1	39,600	39.6	130.3	37,800	43.6	133.9	36,700	49.7	138.3	34,900	55.1	140.9	33,100							75
80	24.2	112.7	36,400	33.6	123.6	34,800	38.1	128.1	33,800	44.8	133.6	32,100	50.6	137.1	30,400							80
85	13.0	97.9	33,600 *	26.4	114.9	32,100	31.9	121.0	31,200	39.5	128.1	29,600	45.8	132.6	28,100	51.3	135.3	26,600				85
90				16.6	102.2	29,800	24.3	111.6	28,900	33.4	121.3	27,500	40.6	127.3	26,100	46.6	130.9	24,600				90
95							13.1	96.8	26,900	26.2	112.6	25,600	34.7	120.8	24,200	41.4	125.7	22,900	47.1	128.4	21,600	95
100										16.3	99.8	23,900	27.8	112.6	22,600	35.7	119.5	21,400	42.0	123.4	20,200	100
105													18.7	100.9	21,100	29.0	111.6	20,000	36.4	117.2	18,800	105
110																20.4	100.7	18,700	29.8	109.6	17,600	110
115																1.6	75.0	17,500	21.6	99.2	16,500	115
120																			7.0	79.5	15,500	120



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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	166.9	86,100 *b																			30
35	71.9	165.5	82,100 *b																			35
40	68.5	163.7	78,100 *																			40
45	65.1	161.5	74,500 *	69.4	163.6	72,800																45
50	61.5	159.0	66,500	66.0	161.5	63,400																50
55	57.8	156.1	58,700	62.4	159.1	56,000	65.1	160.3	54,400													55
60	54.0	152.7	52,500	58.8	156.3	50,100	61.5	157.8	48,600													60
65	49.9	148.8	47,400	55.0	153.0	45,200	57.8	154.9	43,900	62.3	157.0	41,700										65
70	45.6	144.2	43,100	51.0	149.3	41,100	54.0	151.5	39,900	58.7	154.2	37,900										70
75	41.0	138.9	39,500	46.8	144.9	37,600	49.9	147.6	36,500	54.9	150.9	34,700										75
80	35.8	132.6	36,300	42.2	139.8	34,600	45.6	143.1	33,600	50.9	147.1	31,900	55.7	149.6	30,200							80
85	30.0	124.9	33,600	37.2	133.8	32,000	41.0	137.8	31,000	46.7	142.7	29,400	51.7	145.9	27,900							85
90	22.8	114.8	31,200	31.6	126.5	29,700	35.9	131.5	28,800	42.1	137.6	27,300	47.5	141.7	25,800	52.4	144.0	24,400				90
95	12.2	99.0	29,000 *	24.9	117.2	27,700	30.0	123.8	26,800	37.1	131.6	25,400	43.0	136.7	24,000	48.2	139.9	22,700				95
100				15.7	103.6	25,800	22.9	113.7	25,000	31.5	124.2	23,700	38.2	130.9	22,400	43.8	135.1	21,200				100
105							12.3	98.0	23,400	24.7	114.9	22,200	32.7	123.8	21,000	39.0	129.4	19,800	44.3	132.6	18,600	105
110										15.4	101.2	20,800	26.2	115.0	19,700	33.6	122.6	18,500	39.5	127.1	17,400	110
115													17.6	102.5	18,500	27.3	114.1	17,400	34.2	120.4	16,300	115
120																19.2	102.4	16,300	28.1	112.1	15,400	120
125																1.5	75.1	15,300	20.3	101.0	14,400	125
130																			6.6	80.1	13,500	130



Liftcrane Luffing Jib Capacities

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360 Degree Rating

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777 SERIES 1

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	175.9	76,300 *b																			35
40	70.8	174.3	73,000 *																			40
45	67.7	172.4	69,400 *																			45
50	64.6	170.2	66,200 *	68.5	172.4	63,100																50
55	61.3	167.7	58,500	65.4	170.2	55,800	67.7	171.3	54,100													55
60	58.0	164.7	52,300	62.2	167.8	49,800	64.6	169.0	48,300													60
65	54.6	161.4	47,200	58.9	165.0	44,900	61.4	166.5	43,600													65
70	51.0	157.6	42,900	55.5	161.7	40,800	58.0	163.6	39,600	62.1	165.7	37,500										70
75	47.2	153.3	39,300	51.9	158.1	37,300	54.6	160.2	36,200	58.8	162.8	34,300										75
80	43.2	148.3	36,100	48.2	153.9	34,400	51.0	156.4	33,300	55.4	159.6	31,500										80
85	38.8	142.6	33,400	44.2	149.1	31,700	47.2	152.1	30,800	51.9	155.9	29,100	56.1	158.3	27,500							85
90	34.0	135.8	31,000	39.9	143.5	29,400	43.2	147.1	28,500	48.1	151.7	27,000	52.6	154.7	25,500							90
95	28.4	127.5	28,900	35.3	137.1	27,400	38.8	141.4	26,500	44.1	146.9	25,100	48.9	150.6	23,700							95
100	21.6	116.8	26,900	29.9	129.2	25,600	34.0	134.6	24,800	39.9	141.3	23,400	44.9	145.9	22,100	49.5	148.8	20,800				100
105	11.6	100.0	25,000 *	23.6	119.3	24,000	28.5	126.4	23,200	35.1	134.8	21,900	40.7	140.5	20,700	45.6	144.2	19,400				105
110				14.8	105.0	22,500	21.7	115.7	21,700	29.8	127.0	20,500	36.1	134.2	19,400	41.4	139.0	18,200	46.0	141.8	17,000	110
115							11.7	99.0	20,400	23.4	117.0	19,300	30.9	126.7	18,200	36.9	132.8	17,100	41.9	136.6	16,000	115
120										14.6	102.5	18,100	24.8	117.2	17,100	31.8	125.5	16,000	37.4	130.6	15,000	120
125													16.7	104.0	16,100	25.9	116.4	15,100	32.4	123.4	14,100	125
130																18.2	104.1	14,200	26.6	114.6	13,300	130
135																1.4	75.2	13,300	19.3	102.8	12,500	135
140																			6.2	80.7	11,700	140



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777 SERIES 1

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	186.3	70,700 *b																			35
40	72.6	184.9	67,700 *																			40
45	69.8	183.2	64,800 *																			45
50	67.0	181.2	61,900 *	70.5	183.0	63,100																50
55	64.2	178.9	58,400	67.7	181.1	55,700																55
60	61.2	176.3	52,200	64.9	178.9	49,700	67.0	180.0	48,200													60
65	58.2	173.4	47,100	62.0	176.4	44,900	64.2	177.7	43,500													65
70	55.1	170.1	42,900	59.0	173.6	40,800	61.2	175.2	39,500													70
75	51.8	166.4	39,200	55.9	170.4	37,300	58.2	172.2	36,100	61.9	174.3	34,200										75
80	48.5	162.2	36,100	52.7	166.8	34,300	55.1	168.9	33,200	58.9	171.5	31,500										80
85	44.9	157.5	33,400	49.3	162.8	31,700	51.9	165.2	30,700	55.8	168.3	29,100										85
90	41.1	152.2	31,000	45.8	158.2	29,400	48.5	161.1	28,500	52.6	164.7	26,900	56.5	167.0	25,400							90
95	36.9	146.0	28,900	42.1	153.0	27,400	44.9	156.4	26,500	49.3	160.6	25,100	53.3	163.4	23,600							95
100	32.3	138.7	27,000	38.0	147.1	25,600	41.1	151.0	24,800	45.7	156.0	23,400	50.0	159.5	22,000							100
105	27.1	130.0	25,300	33.6	140.1	24,000	36.9	144.8	23,200	42.0	150.8	21,900	46.5	155.0	20,600	50.5	157.7	19,400				105
110	20.6	118.7	23,700	28.5	131.8	22,500	32.4	137.6	21,800	37.9	144.9	20,500	42.8	150.0	19,300	47.0	153.3	18,100				110
115	11.1	101.0	22,000 *	22.5	121.3	21,200	27.1	128.8	20,500	33.5	137.9	19,300	38.8	144.1	18,100	43.4	148.3	17,000	47.4	150.8	15,900	115
120				14.2	106.2	19,900	20.7	117.5	19,300	28.4	129.6	18,200	34.4	137.4	17,100	39.4	142.6	16,000	43.8	145.9	15,000	120
125							11.2	100.0	18,100	22.3	119.0	17,100	29.5	129.4	16,100	35.1	136.1	15,100	39.9	140.3	14,100	125
130										13.9	103.7	16,100	23.6	119.4	15,200	30.3	128.3	14,200	35.6	133.9	13,300	130
135													15.9	105.5	14,300	24.7	118.7	13,400	30.9	126.2	12,500	135
140																17.4	105.7	12,700	25.4	116.9	11,800	140
145																1.3	75.3	11,900	18.3	104.4	11,100	145
150																			5.9	81.2	10,500	150



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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	195.3	62,800 *																			40
45	71.6	193.8	59,900 *																			45
50	69.0	192.0	57,300 *																			50
55	66.4	189.9	54,700 *	69.7	191.9	55,400																55
60	63.8	187.6	52,000	67.1	189.9	49,500																60
65	61.1	185.0	46,900	64.5	187.6	44,600	66.5	188.7	43,200													65
70	58.4	182.1	42,600	61.8	185.1	40,500	63.8	186.4	39,200													70
75	55.5	178.8	39,000	59.1	182.3	37,000	61.1	183.8	35,800													75
80	52.6	175.2	35,900	56.3	179.1	34,000	58.4	180.9	32,900	61.8	183.0	31,100										80
85	49.5	171.1	33,100	53.3	175.6	31,400	55.5	177.6	30,400	59.0	180.1	28,700										85
90	46.3	166.6	30,700	50.3	171.7	29,100	52.6	174.0	28,200	56.2	177.0	26,600										90
95	42.9	161.6	28,600	47.1	167.3	27,100	49.5	170.0	26,200	53.3	173.4	24,700	56.8	175.6	23,300							95
100	39.2	155.8	26,700	43.8	162.3	25,300	46.3	165.5	24,500	50.2	169.5	23,100	53.9	172.2	21,700							100
105	35.3	149.2	25,000	40.2	156.8	23,700	42.9	160.4	22,900	47.0	165.1	21,600	50.8	168.3	20,300							105
110	30.9	141.6	23,500	36.3	150.4	22,200	39.3	154.7	21,500	43.7	160.2	20,200	47.7	164.0	19,000	51.3	166.5	17,800				110
115	25.9	132.3	22,100	32.1	143.1	20,900	35.3	148.1	20,200	40.1	154.6	19,000	44.4	159.2	17,800	48.2	162.2	16,700				115
120	19.7	120.4	20,800	27.3	134.3	19,700	30.9	140.4	19,000	36.3	148.2	17,900	40.8	153.8	16,800	44.9	157.5	15,700				120
125	10.6	102.0	19,200 *	21.5	123.3	18,600	25.9	131.2	17,900	32.0	140.8	16,800	37.1	147.6	15,800	41.4	152.2	14,700	45.3	155.1	13,700	125
130				13.5	107.4	17,500	19.8	119.3	16,900	27.2	132.0	15,900	32.9	140.4	14,900	37.7	146.1	13,900	41.8	149.8	12,900	130
135							10.7	101.0	16,000	21.3	120.9	15,000	28.2	132.0	14,000	33.6	139.2	13,100	38.1	143.9	12,200	135
140										13.3	104.9	14,200	22.6	121.4	13,300	29.0	130.9	12,400	34.1	137.0	11,500	140
145													15.3	106.8	12,500	23.6	120.8	11,700	29.5	128.9	10,800	145
150																16.6	107.2	11,000	24.3	119.1	10,200	150
155																1.3	75.5	10,400	17.6	106.0	9,600	155
160																			5.7	81.7	9,100	160



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
105,000 Lb. Counterweight
360 Degree Rating

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

777 SERIES 1

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	205.7	51,700 *																			40
45	73.0	204.3	50,500 *																			45
50	70.7	202.6	49,000 *																			50
55	68.4	200.7	46,900 *																			55
60	66.0	198.6	44,800 *	69.0	200.7	47,500 *																60
65	63.5	196.3	42,900 *	66.6	198.6	44,300																65
70	61.0	193.7	41,000 *	64.2	196.3	40,300	66.0	197.5	39,000													70
75	58.5	190.7	38,800	61.7	193.8	36,800	63.5	195.1	35,600													75
80	55.9	187.5	35,600	59.2	190.9	33,800	61.1	192.5	32,700													80
85	53.2	184.0	32,900	56.5	187.8	31,200	58.5	189.6	30,200	61.6	191.7	28,500										85
90	50.4	180.0	30,500	53.9	184.3	28,900	55.9	186.3	28,000	59.1	188.8	26,400										90
95	47.4	175.6	28,400	51.1	180.5	26,900	53.2	182.8	26,000	56.5	185.7	24,500										95
100	44.4	170.8	26,500	48.2	176.2	25,100	50.4	178.8	24,200	53.8	182.2	22,800	57.0	184.3	21,400							100
105	41.1	165.4	24,800	45.2	171.5	23,500	47.4	174.5	22,700	51.0	178.3	21,300	54.3	180.9	20,000							105
110	37.6	159.3	23,300	42.0	166.3	22,000	44.4	169.6	21,300	48.1	174.1	20,000	51.6	177.1	18,700							110
115	33.9	152.3	21,900	38.6	160.4	20,700	41.1	164.2	20,000	45.1	169.3	18,800	48.7	173.0	17,600	52.0	175.3	16,400				115
120	29.7	144.3	20,700	34.9	153.7	19,500	37.7	158.1	18,800	41.9	164.1	17,700	45.7	168.3	16,500	49.2	171.2	15,400				120
125	24.9	134.6	19,500	30.8	145.9	18,400	33.9	151.2	17,700	38.5	158.2	16,600	42.5	163.2	15,500	46.2	166.6	14,500				125
130	19.0	122.1	18,400	26.2	136.7	17,400	29.7	143.1	16,700	34.8	151.4	15,700	39.2	157.4	14,600	43.1	161.6	13,600	46.5	164.2	12,600	130
135	10.2	102.9	16,900 *	20.6	125.1	16,400	24.9	133.4	15,800	30.7	143.7	14,800	35.5	150.9	13,800	39.7	155.9	12,800	43.4	159.2	11,900	135
140				13.0	108.6	15,500	19.0	121.0	15,000	26.1	134.4	14,000	31.6	143.3	13,100	36.2	149.5	12,100	40.1	153.6	11,200	140
145							10.3	101.9	14,200	20.5	122.8	13,300	27.1	134.4	12,300	32.2	142.1	11,500	36.6	147.2	10,600	145
150										12.8	106.1	12,500	21.7	123.4	11,700	27.8	133.5	10,800	32.7	140.0	10,000	150
155													14.7	108.2	11,000	22.7	122.9	10,200	28.4	131.5	9,400	155
160																16.0	108.6	9,700	23.3	121.2	8,900	160
165																1.2	75.6	9,100	16.9	107.5	8,400	165
170																			5.5	82.2	7,900	170



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
105,000 Lb. Counterweight
360 Degree Rating

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

777 SERIES 1

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	214.7	47,200 *																			45
50	72.1	213.2	45,300 *																			50
55	70.0	211.4	43,300 *																			55
60	67.8	209.5	41,300 *	70.5	211.3	43,700 *																60
65	65.5	207.4	39,500 *	68.3	209.5	41,900 *																65
70	63.3	205.0	37,700 *	66.1	207.4	40,000 *	67.8	208.3	38,700													70
75	61.0	202.3	36,000 *	63.9	205.0	36,500	65.6	206.2	35,300													75
80	58.6	199.4	34,400 *	61.6	202.4	33,500	63.3	203.8	32,400													80
85	56.2	196.2	32,700	59.2	199.6	30,900	61.0	201.1	29,900													85
90	53.7	192.7	30,300	56.8	196.5	28,600	58.6	198.2	27,700	61.5	200.3	26,000										90
95	51.1	188.8	28,200	54.3	193.0	26,600	56.2	195.0	25,700	59.2	197.5	24,200										95
100	48.4	184.6	26,300	51.8	189.3	24,800	53.7	191.5	24,000	56.7	194.3	22,500										100
105	45.6	179.9	24,600	49.1	185.2	23,200	51.1	187.7	22,400	54.3	190.9	21,000	57.2	193.0	19,700							105
110	42.7	174.8	23,100	46.3	180.6	21,800	48.4	183.4	21,000	51.7	187.1	19,700	54.8	189.6	18,400							110
115	39.5	169.1	21,700	43.4	175.6	20,400	45.6	178.8	19,700	49.0	183.0	18,400	52.2	185.9	17,200							115
120	36.2	162.6	20,400	40.4	170.0	19,200	42.7	173.6	18,500	46.3	178.4	17,300	49.6	181.9	16,200	52.6	184.0	15,000				120
125	32.6	155.3	19,300	37.1	163.8	18,100	39.6	167.9	17,500	43.4	173.4	16,300	46.8	177.4	15,200	50.0	180.0	14,100				125
130	28.6	146.9	18,200	33.6	156.7	17,100	36.2	161.5	16,500	40.3	167.8	15,400	44.0	172.5	14,300	47.3	175.6	13,300				130
135	23.9	136.7	17,200	29.7	148.6	16,200	32.6	154.2	15,600	37.0	161.6	14,500	40.9	167.0	13,500	44.4	170.8	12,500	47.6	173.2	11,500	135
140	18.3	123.8	16,300	25.2	139.0	15,300	28.6	145.7	14,700	33.5	154.5	13,700	37.7	160.9	12,700	41.4	165.4	11,800	44.8	168.4	10,900	140
145	9.8	103.8	14,700 *	19.9	126.9	14,500	24.0	135.6	13,900	29.6	146.3	13,000	34.2	154.0	12,000	38.2	159.4	11,100	41.8	163.1	10,200	145
150				12.5	109.7	13,700	18.3	122.7	13,200	25.1	136.7	12,300	30.4	146.1	11,400	34.8	152.7	10,500	38.6	157.1	9,600	150
155							9.9	102.8	12,500	19.7	124.6	11,600	26.1	136.8	10,800	31.0	144.9	9,900	35.2	150.5	9,100	155
160										12.3	107.2	11,000	20.9	125.3	10,200	26.8	135.9	9,400	31.5	142.9	8,600	160
165													14.1	109.4	9,600	21.8	124.8	8,800	27.3	134.0	8,100	165
170																15.4	110.0	8,300	22.4	123.2	7,600	170
175																1.2	75.7	7,800	16.2	109.0	7,200	175
180																			5.3	82.6	6,700	180

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
105,000 Lb. Counterweight
360 Degree Rating

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

777 SERIES 1

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	225.0	43,800 *																			45
50	73.4	223.6	41,900 *																			50
55	71.4	222.0	40,100 *																			55
60	69.3	220.3	38,200 *																			60
65	67.3	218.3	36,500 *	69.9	220.2	38,700 *																65
70	65.2	216.1	34,800 *	67.8	218.2	37,000 *																70
75	63.1	213.6	33,200 *	65.7	216.1	35,300 *	67.3	217.1	35,200													75
80	60.9	211.0	31,600 *	63.6	213.7	33,400	65.2	214.9	32,300													80
85	58.7	208.1	30,200 *	61.5	211.1	30,800	63.1	212.5	29,700													85
90	56.4	204.9	28,800 *	59.3	208.3	28,500	60.9	209.8	27,500													90
95	54.1	201.4	27,400 *	57.0	205.2	26,500	58.7	206.9	25,600	61.4	209.0	24,000										95
100	51.7	197.6	26,100 *	54.7	201.8	24,700	56.4	203.7	23,800	59.2	206.1	22,400										100
105	49.2	193.5	24,500	52.3	198.1	23,100	54.1	200.3	22,300	57.0	203.0	20,900										105
110	46.7	189.0	23,000	49.9	194.0	21,700	51.7	196.5	20,900	54.7	199.6	19,600	57.4	201.7	18,300							110
115	44.0	184.1	21,600	47.3	189.6	20,300	49.2	192.3	19,600	52.3	195.9	18,300	55.1	198.3	17,100							115
120	41.1	178.6	20,300	44.7	184.8	19,100	46.7	187.8	18,400	49.8	191.9	17,200	52.8	194.7	16,100							120
125	38.2	172.6	19,200	41.9	179.5	18,000	44.0	182.9	17,400	47.3	187.5	16,200	50.3	190.7	15,100							125
130	34.9	165.8	18,100	38.9	173.6	17,000	41.2	177.5	16,400	44.6	182.6	15,300	47.8	186.4	14,200	50.7	188.9	13,200				130
135	31.5	158.2	17,200	35.8	167.1	16,100	38.2	171.4	15,500	41.8	177.3	14,400	45.2	181.6	13,400	48.2	184.6	12,400				135
140	27.6	149.4	16,200	32.4	159.7	15,200	35.0	164.7	14,600	38.9	171.4	13,600	42.4	176.4	12,600	45.6	179.9	11,700				140
145	23.1	138.8	15,400	28.6	151.2	14,400	31.5	157.1	13,900	35.7	164.9	12,900	39.5	170.7	11,900	42.9	174.8	11,000	45.9	177.5	10,100	145
150	17.6	125.4	14,600	24.3	141.2	13,700	27.6	148.2	13,100	32.3	157.4	12,200	36.4	164.2	11,300	40.0	169.1	10,400	43.2	172.4	9,500	150
155	9.5	104.6	13,000 *	19.2	128.6	13,000	23.2	137.7	12,400	28.5	148.9	11,600	33.0	157.0	10,700	36.9	162.8	9,800	40.3	166.8	9,000	155
160				12.1	110.8	12,300	17.7	124.3	11,800	24.2	138.9	11,000	29.3	148.8	10,100	33.6	155.7	9,300	37.2	160.6	8,500	160
165							9.6	103.6	11,200	19.1	126.3	10,400	25.2	139.0	9,600	29.9	147.7	8,800	34.0	153.6	8,000	165
170										11.9	108.2	9,800	20.2	127.1	9,100	25.9	138.2	8,300	30.4	145.6	7,500	170
175													13.6	110.6	8,600	21.1	126.7	7,800	26.4	136.4	7,100	175
180																14.9	111.3	7,400	21.7	125.2	6,700	180
190																			5.1	83.1	5,900	190



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
105,000 Lb. Counterweight
360 Degree Rating

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

777 SERIES 1

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	234.0	38,500 *																			50
55	72.6	232.6	36,700 *																			55
60	70.7	230.9	35,000 *																			60
65	68.8	229.1	33,400 *																			65
70	66.8	227.0	31,800 *	69.3	229.0	33,800 *																70
75	64.9	224.8	30,200 *	67.3	227.0	32,200 *																75
80	62.9	222.3	28,700 *	65.4	224.8	30,600 *	66.8	225.8	31,600 *													80
85	60.8	219.6	27,300 *	63.4	222.4	29,100 *	64.9	223.6	29,500													85
90	58.8	216.7	25,900 *	61.4	219.8	27,700 *	62.9	221.1	27,200													90
95	56.7	213.6	24,600 *	59.3	216.9	26,200	60.9	218.5	25,300													95
100	54.5	210.1	23,300 *	57.2	213.8	24,400	58.8	215.6	23,500	61.3	217.6	22,100										100
105	52.3	206.4	22,100 *	55.0	210.5	22,800	56.7	212.4	22,000	59.3	214.8	20,600										105
110	50.0	202.4	21,000 *	52.8	206.8	21,400	54.5	209.0	20,600	57.2	211.7	19,200										110
115	47.6	198.0	19,900 *	50.6	202.9	20,100	52.3	205.3	19,300	55.0	208.3	18,000	57.6	210.3	16,800							115
120	45.1	193.2	18,900 *	48.2	198.6	18,900	50.0	201.2	18,100	52.8	204.7	16,900	55.4	207.0	15,700							120
125	42.5	188.0	18,000 *	45.7	193.9	17,800	47.6	196.8	17,100	50.5	200.7	15,900	53.2	203.4	14,800							125
130	39.8	182.3	17,100 *	43.2	188.8	16,800	45.1	192.1	16,100	48.1	196.4	15,000	51.0	199.6	13,900							130
135	36.9	176.0	16,200 *	40.5	183.2	15,800	42.5	186.9	15,200	45.7	191.8	14,100	48.6	195.3	13,100	51.3	197.7	12,100				135
140	33.8	168.9	15,400 *	37.7	177.1	15,000	39.8	181.1	14,400	43.1	186.6	13,300	46.2	190.7	12,300	49.0	193.5	11,300				140
145	30.4	161.0	14,600 *	34.6	170.2	14,200	36.9	174.8	13,600	40.4	181.1	12,600	43.6	185.7	11,600	46.6	189.0	10,700				145
150	26.7	151.8	13,900 *	31.3	162.5	13,400	33.8	167.8	12,900	37.6	174.9	11,900	41.0	180.2	11,000	44.1	184.1	10,100	46.9	186.5	9,200	150
155	22.4	140.8	13,300 *	27.7	153.7	12,700	30.5	159.8	12,200	34.6	168.0	11,300	38.2	174.2	10,400	41.4	178.6	9,500	44.4	181.6	8,600	155
160	17.1	126.9	12,700 *	23.6	143.3	12,100	26.7	150.6	11,600	31.3	160.3	10,700	35.2	167.5	9,800	38.6	172.7	9,000	41.7	176.3	8,100	160
165	9.2	105.4	11,300 *	18.6	130.3	11,500	22.4	139.7	11,000	27.6	151.4	10,100	31.9	159.9	9,300	35.7	166.1	8,500	39.0	170.4	7,700	165
170				11.7	111.8	10,900	17.1	125.8	10,400	23.5	141.0	9,600	28.4	151.3	8,800	32.5	158.7	8,000	36.0	163.9	7,200	170
175							9.2	104.4	9,800	18.5	127.9	9,100	24.3	141.2	8,300	29.0	150.3	7,500	32.9	156.6	6,800	175
180										11.5	109.2	8,600	19.6	128.8	7,800	25.0	140.5	7,100	29.4	148.3	6,400	180
190																14.4	112.6	6,300	21.0	127.0	5,600	190
200																			4.9	83.5	4,900	200

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
105,000 Lb. Counterweight
360 Degree Rating

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

777 SERIES 1

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	244.4	35,600 *																			50
55	73.6	243.0	33,900 *																			55
60	71.9	241.5	32,300 *																			60
65	70.1	239.7	30,700 *																			65
70	68.3	237.8	29,200 *	70.5	239.6	31,100 *																70
75	66.4	235.7	27,700 *	68.7	237.8	29,600 *																75
80	64.6	233.5	26,300 *	66.9	235.7	28,100 *																80
85	62.7	231.0	24,900 *	65.1	233.5	26,700 *	66.5	234.6	27,600 *													85
90	60.8	228.3	23,600 *	63.2	231.1	25,300 *	64.6	232.3	26,300 *													90
95	58.8	225.4	22,400 *	61.3	228.4	24,000 *	62.7	229.8	24,900 *													95
100	56.9	222.3	21,200 *	59.4	225.6	22,700 *	60.8	227.1	23,300 *													100
105	54.8	218.9	20,000 *	57.4	222.5	21,500 *	58.9	224.2	21,700 *	61.2	226.3	20,300 *										105
110	52.7	215.2	18,900 *	55.3	219.2	20,400 *	56.9	221.1	20,300 *	59.3	223.5	19,000 *										110
115	50.6	211.2	17,900 *	53.3	215.6	19,300 *	54.8	217.7	19,100 *	57.3	220.4	17,800 *										115
120	48.4	207.0	16,900 *	51.1	211.7	18,200 *	52.7	214.0	17,900 *	55.3	217.0	16,700 *	57.7	219.0	15,500 *							120
125	46.1	202.3	16,000 *	48.9	207.5	17,200 *	50.6	210.1	16,800 *	53.2	213.4	15,700 *	55.7	215.7	14,500 *							125
130	43.7	197.3	15,100 *	46.7	203.0	16,300 *	48.4	205.8	15,900 *	51.1	209.6	14,700 *	53.6	212.2	13,600 *							130
135	41.2	191.8	14,200 *	44.3	198.1	15,400 *	46.1	201.2	15,000 *	48.9	205.4	13,900 *	51.5	208.4	12,800 *							135
140	38.5	185.9	13,400 *	41.8	192.7	14,500 *	43.7	196.2	14,100 *	46.6	200.8	13,100 *	49.3	204.2	12,100 *	51.9	206.5	11,100 *				140
145	35.8	179.3	12,700 *	39.2	186.9	13,700 *	41.2	190.7	13,400 *	44.3	195.9	12,400 *	47.1	199.8	11,400 *	49.7	202.4	10,400 *				145
150	32.8	171.9	12,000 *	36.5	180.4	12,900 *	38.6	184.7	12,600 *	41.8	190.5	11,700 *	44.7	194.9	10,700 *	47.4	198.0	9,800 *				150
155	29.5	163.6	11,200 *	33.6	173.3	12,200 *	35.8	178.1	12,000 *	39.2	184.7	11,000 *	42.3	189.7	10,100 *	45.1	193.2	9,200 *	47.7	195.5	8,400 *	155
160	25.9	154.1	10,400 *	30.4	165.3	11,400 *	32.8	170.8	11,300 *	36.4	178.2	10,400 *	39.7	183.9	9,600 *	42.7	188.0	8,700 *	45.4	190.8	7,900 *	160
165	21.7	142.8	9,600 *	26.9	156.1	10,600 *	29.5	162.5	10,700 *	33.5	171.1	9,900 *	37.0	177.6	9,000 *	40.1	182.4	8,200 *	43.0	185.6	7,400 *	165
170	16.6	128.4	8,800 *	22.8	145.3	9,800 *	25.9	153.0	10,200 *	30.3	163.0	9,400 *	34.1	170.6	8,500 *	37.4	176.1	7,700 *	40.4	180.0	7,000 *	170
175	8.9	106.2	8,200 *	18.0	131.9	9,000 *	21.7	141.7	9,600 *	26.8	153.9	8,900 *	31.0	162.7	8,100 *	34.6	169.3	7,300 *	37.8	173.9	6,500 *	175
180				11.4	112.9	8,300 *	16.6	127.3	8,800 *	22.8	143.0	8,400 *	27.5	153.8	7,600 *	31.5	161.6	6,900 *	34.9	167.1	6,100 *	180
190										11.2	110.2	7,500 *	19.0	130.5	6,800 *	24.3	142.7	6,100 *	28.5	150.9	5,400 *	190
200																14.0	113.8	5,400 *	20.3	128.9	4,700 *	200
210																			4.8	84.0	4,100 *	210



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
105,000 Lb. Counterweight
360 Degree Rating

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

777 SERIES 1

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	156.2	104,300 *b																			30
35	66.8	154.2	99,800 *b																			35
40	62.2	151.9	89,900 b	68.7	154.5	85,400 b																40
45	57.5	149.0	76,900	64.2	152.3	73,100 b	68.0	153.5	70,800 b													45
50	52.5	145.5	67,100	59.6	149.6	63,700	63.5	151.2	61,700 b													50
55	47.2	141.2	59,300	54.7	146.4	56,300	58.9	148.5	54,500													55
60	41.3	136.1	53,100	49.5	142.5	50,400	54.0	145.2	48,800	60.8	148.0	46,100										60
65	34.6	129.7	47,900	43.9	137.8	45,500	48.7	141.2	44,000	56.0	144.9	41,600										65
70	26.6	121.2	43,600	37.6	132.0	41,400	43.0	136.3	40,100	50.9	141.2	37,900	57.8	143.9	35,700							70
75	15.0	108.1	39,900	30.3	124.6	37,900	36.6	130.3	36,700	45.4	136.7	34,600	52.8	140.4	32,600							75
80				20.8	114.1	34,900	29.1	122.6	33,700	39.3	131.2	31,900	47.4	136.2	30,000							80
85							19.0	111.4	31,200	32.3	124.3	29,500	41.6	131.1	27,700	49.2	134.8	26,000				85
90										23.5	114.9	27,300	35.0	124.8	25,700	43.5	130.1	24,100				90
95										8.8	97.6	25,400	27.0	116.5	23,900	37.2	124.2	22,400	45.1	128.0	21,000	95
100													15.8	103.7	22,300	29.8	116.6	20,900	39.0	122.5	19,600	100
105																20.1	105.9	19,600	31.9	115.5	18,300	105
110																			23.1	105.9	17,100	110
115																			7.5	87.5	16,000	115



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
105,000 Lb. Counterweight
360 Degree Rating

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

777 SERIES 1

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	166.7	95,400 *b																			30
35	69.8	165.0	91,500 *b																			35
40	65.9	163.0	87,800 *																			40
45	62.0	160.5	76,700	67.6	163.2	72,800 b																45
50	57.8	157.6	66,800	63.7	161.0	63,400	67.1	162.2	61,300 b													50
55	53.5	154.2	59,100	59.6	158.3	56,000	63.1	159.9	54,200													55
60	48.9	150.2	52,900	55.4	155.1	50,100	59.0	157.2	48,500													60
65	43.9	145.4	47,700	50.9	151.4	45,200	54.7	153.9	43,700	60.7	156.7	41,300										65
70	38.5	139.7	43,400	46.1	146.9	41,100	50.2	150.1	39,800	56.5	153.6	37,500										70
75	32.3	132.7	39,800	40.9	141.7	37,700	45.4	145.5	36,400	52.1	150.0	34,300	58.0	152.5	32,200							75
80	24.8	123.5	36,600	35.1	135.3	34,700	40.1	140.1	33,500	47.4	145.8	31,500	53.7	149.2	29,600							80
85	14.1	109.3	33,800	28.3	127.2	32,000	34.2	133.5	31,000	42.3	140.8	29,200	49.1	145.2	27,400							85
90				19.4	115.9	29,700	27.2	125.1	28,700	36.7	134.7	27,000	44.2	140.5	25,400	50.6	143.7	23,700				90
95							17.8	113.0	26,700	30.1	127.1	25,200	38.8	134.8	23,600	45.8	139.2	22,100				95
100										22.0	116.9	23,500	32.7	127.8	22,000	40.6	133.9	20,600	47.1	137.1	19,200	100
105										8.2	98.3	21,900	25.3	118.8	20,600	34.7	127.4	19,200	42.0	132.0	17,900	105
110													14.8	105.1	19,300	27.8	119.2	18,000	36.4	125.9	16,800	110
115																18.8	107.6	16,900	29.8	118.2	15,700	115
120																			21.6	107.8	14,800	120
125																			7.0	88.2	13,800	125



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
105,000 Lb. Counterweight
360 Degree Rating

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

777 SERIES 1

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	177.0	85,600 *b																			30
35	72.1	175.6	82,000 *b																			35
40	68.8	173.8	78,100 *																			40
45	65.3	171.7	74,500 *	70.2	174.0	72,600 b																45
50	61.7	169.2	66,700	66.8	172.0	63,200																50
55	58.1	166.3	58,900	63.3	169.7	55,800	66.3	171.0	54,000													55
60	54.2	162.9	52,700	59.7	166.9	49,900	62.8	168.6	48,200													60
65	50.2	159.1	47,600	55.9	163.8	45,000	59.1	165.8	43,500													65
70	45.9	154.6	43,300	52.0	160.2	41,000	55.3	162.6	39,600	60.6	165.3	37,300										70
75	41.3	149.3	39,600	47.8	155.9	37,500	51.4	158.9	36,200	56.9	162.3	34,100										75
80	36.2	143.1	36,500	43.4	151.0	34,500	47.2	154.6	33,300	53.0	158.8	31,300										80
85	30.4	135.5	33,700	38.5	145.3	31,900	42.7	149.6	30,800	48.9	154.7	28,900	54.4	157.9	27,100							85
90	23.4	125.6	31,300	33.0	138.3	29,600	37.7	143.6	28,600	44.5	150.0	26,800	50.4	154.0	25,100							90
95	13.3	110.5	29,100	26.6	129.6	27,600	32.2	136.5	26,600	39.8	144.5	25,000	46.1	149.6	23,400	51.7	152.5	21,800				95
100				18.3	117.5	25,700	25.6	127.4	24,800	34.5	137.9	23,300	41.6	144.4	21,800	47.6	148.3	20,300				100
105							16.7	114.5	23,200	28.4	129.7	21,800	36.5	138.2	20,400	43.1	143.3	19,000				105
110										20.7	118.8	20,400	30.7	130.7	19,100	38.2	137.5	17,800	44.3	141.3	16,500	110
115										7.7	99.0	19,200	23.8	121.0	18,000	32.7	130.5	16,700	39.5	135.7	15,500	115
120													13.9	106.3	16,900	26.2	121.6	15,700	34.2	129.1	14,600	120
125																17.7	109.2	14,800	28.1	120.8	13,700	125
130																			20.3	109.7	12,900	130
135																			6.6	88.8	12,100	135



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
105,000 Lb. Counterweight
360 Degree Rating

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

777 SERIES 1

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	186.0	75,800 *b																			35
40	71.0	184.4	72,900 *																			40
45	67.9	182.6	69,400 *																			45
50	64.8	180.4	66,200 *	69.2	182.8	62,900																50
55	61.6	177.9	58,700	66.1	180.7	55,500																55
60	58.3	175.0	52,500	63.0	178.3	49,600	65.7	179.7	47,900													60
65	54.8	171.7	47,300	59.7	175.6	44,700	62.5	177.3	43,200													65
70	51.2	167.9	43,000	56.3	172.5	40,700	59.2	174.5	39,200													70
75	47.5	163.6	39,400	52.8	168.9	37,200	55.8	171.3	35,900	60.5	174.0	33,700										75
80	43.4	158.7	36,200	49.1	164.9	34,200	52.3	167.7	33,000	57.2	171.0	31,000										80
85	39.1	153.0	33,500	45.2	160.2	31,600	48.6	163.5	30,500	53.7	167.5	28,600										85
90	34.3	146.3	31,100	41.0	154.9	29,300	44.6	158.8	28,300	50.1	163.6	26,500	55.0	166.6	24,800							90
95	28.8	138.1	29,000	36.4	148.7	27,300	40.4	153.3	26,300	46.2	159.1	24,700	51.4	162.9	23,000							95
100	22.2	127.7	27,000	31.3	141.2	25,500	35.7	147.0	24,600	42.1	154.0	23,000	47.7	158.6	21,500	52.6	161.3	20,000				100
105	12.6	111.7	25,200 *	25.3	131.9	23,900	30.5	139.3	23,000	37.6	148.0	21,500	43.7	153.7	20,100	48.9	157.2	18,600				105
110				17.4	119.1	22,400	24.2	129.6	21,600	32.7	140.9	20,200	39.3	148.1	18,800	45.0	152.5	17,400				110
115							15.9	115.9	20,200	26.9	132.2	18,900	34.6	141.4	17,600	40.8	147.1	16,400	46.0	150.4	15,100	115
120										19.6	120.5	17,800	29.1	133.4	16,600	36.2	140.8	15,400	41.9	145.3	14,200	120
125										7.3	99.7	16,700	22.6	123.0	15,600	31.0	133.3	14,500	37.4	139.2	13,300	125
130													13.2	107.5	14,700	24.8	123.9	13,600	32.4	132.1	12,500	130
135																16.8	110.7	12,800	26.6	123.2	11,800	135
140																			19.3	111.4	11,100	140
145																			6.2	89.3	10,400	145



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
105,000 Lb. Counterweight
360 Degree Rating

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

777 SERIES 1

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	196.4	70,200 *b																			35
40	72.8	195.0	67,500 *																			40
45	70.0	193.3	64,600 *																			45
50	67.2	191.3	61,900 *																			50
55	64.4	189.1	58,600	68.4	191.6	55,500																55
60	61.4	186.5	52,400	65.6	189.4	49,500	68.0	190.6	47,800													60
65	58.4	183.6	47,300	62.7	187.0	44,700	65.2	188.4	43,100													65
70	55.3	180.4	43,000	59.7	184.3	40,600	62.3	185.9	39,200													70
75	52.1	176.7	39,400	56.7	181.2	37,100	59.3	183.1	35,800													75
80	48.7	172.5	36,200	53.5	177.7	34,200	56.2	180.0	32,900	60.5	182.7	30,900										80
85	45.1	167.9	33,500	50.2	173.7	31,600	53.0	176.4	30,400	57.5	179.6	28,500										85
90	41.3	162.6	31,100	46.7	169.3	29,300	49.7	172.4	28,200	54.3	176.3	26,400										90
95	37.2	156.4	29,000	43.0	164.3	27,300	46.2	167.9	26,300	51.0	172.4	24,600	55.5	175.3	22,900							95
100	32.7	149.3	27,100	39.0	158.5	25,500	42.4	162.8	24,500	47.6	168.1	22,900	52.2	171.6	21,400							100
105	27.5	140.6	25,400	34.7	151.9	23,900	38.4	156.9	23,000	44.0	163.3	21,500	48.9	167.5	20,000							105
110	21.1	129.6	23,800	29.8	143.9	22,400	34.0	150.1	21,500	40.1	157.7	20,100	45.3	162.9	18,700	50.0	166.1	17,400				110
115	12.0	112.7	22,200 *	24.1	134.1	21,100	29.0	141.9	20,300	35.8	151.3	18,900	41.5	157.6	17,600	46.5	161.6	16,300				115
120				16.6	120.6	19,800	23.1	131.7	19,100	31.1	143.8	17,800	37.4	151.5	16,600	42.8	156.5	15,300	47.4	159.5	14,100	120
125							15.1	117.3	18,000	25.6	134.5	16,800	32.9	144.4	15,600	38.8	150.7	14,400	43.8	154.6	13,300	125
130										18.7	122.2	15,800	27.7	135.9	14,700	34.4	144.0	13,600	39.9	149.0	12,500	130
135										7.0	100.3	14,900	21.5	125.0	13,900	29.5	136.0	12,800	35.6	142.5	11,800	135
140													12.6	108.7	13,100	23.7	126.0	12,100	30.9	134.9	11,100	140
145																16.0	112.1	11,400	25.4	125.5	10,500	145
150																			18.3	113.1	9,900	150
155																			5.9	89.8	9,300	155



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
105,000 Lb. Counterweight
360 Degree Rating

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

777 SERIES 1

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	205.4	62,400 *																			40
45	71.7	203.9	59,800 *																			45
50	69.2	202.1	57,200 *																			50
55	66.6	200.1	54,700 *	70.3	202.2	55,200																55
60	64.0	197.8	52,200	67.7	200.3	49,300																60
65	61.3	195.2	47,100	65.1	198.1	44,400	67.4	199.3	42,800													65
70	58.6	192.3	42,800	62.5	195.7	40,300	64.8	197.1	38,900													70
75	55.7	189.1	39,100	59.8	192.9	36,900	62.1	194.6	35,500													75
80	52.8	185.5	36,000	57.0	189.8	33,900	59.3	191.8	32,600													80
85	49.7	181.4	33,200	54.1	186.4	31,300	56.5	188.7	30,100	60.4	191.3	28,200										85
90	46.5	177.0	30,800	51.0	182.6	29,000	53.6	185.2	27,900	57.7	188.3	26,100										90
95	43.1	171.9	28,700	47.9	178.3	27,000	50.6	181.3	26,000	54.8	185.0	24,300										95
100	39.5	166.2	26,800	44.6	173.5	25,200	47.4	176.9	24,200	51.8	181.2	22,600	55.9	184.0	21,000							100
105	35.6	159.7	25,100	41.1	168.1	23,600	44.1	172.1	22,700	48.7	177.1	21,100	52.9	180.4	19,600							105
110	31.2	152.1	23,600	37.3	162.0	22,100	40.5	166.6	21,300	45.5	172.4	19,800	49.9	176.4	18,400							110
115	26.3	143.0	22,200	33.2	154.9	20,800	36.7	160.3	20,000	42.0	167.2	18,600	46.7	172.0	17,300	50.9	174.9	15,900				115
120	20.2	131.4	20,900	28.5	146.5	19,600	32.5	153.1	18,800	38.3	161.3	17,500	43.3	167.0	16,200	47.7	170.6	15,000				120
125	11.5	113.8	19,300 *	23.0	136.2	18,500	27.8	144.5	17,700	34.3	154.5	16,500	39.7	161.3	15,300	44.4	165.8	14,100				125
130				15.8	122.0	17,500	22.1	133.7	16,800	29.8	146.5	15,600	35.8	154.8	14,400	40.9	160.4	13,200	45.3	163.7	12,100	130
135							14.5	118.6	15,800	24.5	136.7	14,700	31.5	147.3	13,600	37.1	154.2	12,500	41.8	158.5	11,400	135
140										17.9	123.8	13,900	26.5	138.3	12,800	32.9	147.0	11,800	38.1	152.5	10,700	140
145										6.7	100.9	13,100	20.6	126.8	12,100	28.2	138.6	11,100	34.1	145.7	10,100	145
150													12.1	109.7	11,400	22.7	128.1	10,500	29.5	137.6	9,600	150
155																15.3	113.5	9,900	24.3	127.7	9,000	155
160																			17.6	114.7	8,500	160
165																			5.7	90.4	8,000	165



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
105,000 Lb. Counterweight
360 Degree Rating

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

777 SERIES 1

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	215.8	51,100 *																			40
45	73.2	214.4	50,000 *																			45
50	70.9	212.7	48,900 *																			50
55	68.5	210.9	46,900 *																			55
60	66.1	208.8	44,900 *	69.5	211.1	47,800 *																60
65	63.7	206.5	43,000 *	67.2	209.1	44,200																65
70	61.2	203.8	41,100 *	64.8	206.8	40,100	66.8	208.1	38,600													70
75	58.7	200.9	38,900	62.3	204.4	36,600	64.4	205.8	35,300													75
80	56.0	197.7	35,800	59.8	201.6	33,600	61.9	203.3	32,400													80
85	53.3	194.2	33,000	57.2	198.5	31,100	59.4	200.5	29,900	62.9	202.7	27,900										85
90	50.5	190.3	30,600	54.5	195.1	28,800	56.8	197.3	27,700	60.4	200.0	25,800										90
95	47.6	186.0	28,500	51.8	191.4	26,800	54.1	193.9	25,700	57.8	197.0	24,000										95
100	44.6	181.1	26,600	48.9	187.2	25,000	51.4	190.1	24,000	55.2	193.7	22,400										100
105	41.3	175.8	24,900	45.9	182.6	23,400	48.5	185.9	22,400	52.5	190.0	20,900	56.2	192.7	19,400							105
110	37.9	169.7	23,400	42.8	177.5	21,900	45.5	181.2	21,000	49.6	186.0	19,600	53.5	189.2	18,100							110
115	34.1	162.9	22,000	39.4	171.8	20,600	42.3	176.0	19,800	46.7	181.5	18,400	50.7	185.3	17,000							115
120	30.0	154.9	20,700	35.8	165.3	19,400	38.9	170.2	18,600	43.6	176.5	17,300	47.8	181.0	16,000	51.6	183.7	14,700				120
125	25.2	145.3	19,600	31.8	157.8	18,300	35.2	163.6	17,500	40.3	171.0	16,300	44.7	176.2	15,000	48.7	179.6	13,800				125
130	19.4	133.1	18,500	27.4	149.0	17,300	31.2	155.9	16,600	36.7	164.7	15,400	41.5	170.8	14,200	45.7	174.9	13,000				130
135	11.0	114.8	17,000 *	22.1	138.2	16,400	26.7	146.9	15,700	32.9	157.5	14,500	38.1	164.8	13,400	42.6	169.8	12,200	46.5	172.8	11,100	135
140				15.2	123.4	15,500	21.2	135.6	14,800	28.6	149.1	13,700	34.3	158.0	12,600	39.2	164.0	11,500	43.4	167.8	10,500	140
145							13.9	119.8	14,000	23.5	138.8	13,000	30.2	150.1	11,900	35.6	157.5	10,900	40.1	162.2	9,900	145
150										17.2	125.4	12,300	25.5	140.6	11,300	31.6	149.9	10,300	36.6	155.9	9,300	150
155										6.4	101.5	11,600	19.8	128.6	10,600	27.1	141.0	9,700	32.7	148.7	8,800	155
160													11.6	110.8	10,100	21.8	130.0	9,200	28.4	140.2	8,300	160
165																14.7	114.8	8,600	23.3	129.8	7,800	165
170																			16.9	116.2	7,300	170
175																			5.5	90.8	6,900	175

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
105,000 Lb. Counterweight
360 Degree Rating

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

777 SERIES 1

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	224.8	46,700 *																			45
50	72.3	223.3	45,200 *																			50
55	70.1	221.6	43,200 *																			55
60	67.9	219.7	41,300 *																			60
65	65.7	217.5	39,500 *	68.9	219.9	42,200 *																65
70	63.4	215.1	37,800 *	66.7	217.8	39,800																70
75	61.1	212.5	36,100 *	64.4	215.5	36,300	66.3	216.8	34,900													75
80	58.8	209.6	34,500 *	62.1	213.0	33,400	64.1	214.5	32,100													80
85	56.3	206.4	32,800	59.8	210.2	30,800	61.8	211.9	29,600													85
90	53.8	202.9	30,400	57.4	207.2	28,500	59.4	209.1	27,400	62.7	211.3	25,500										90
95	51.3	199.1	28,300	54.9	203.8	26,500	57.0	206.0	25,400	60.4	208.6	23,700										95
100	48.6	194.9	26,400	52.4	200.2	24,700	54.6	202.6	23,700	58.0	205.7	22,000										100
105	45.8	190.3	24,700	49.8	196.1	23,100	52.0	198.9	22,100	55.6	202.4	20,600										105
110	42.9	185.2	23,200	47.0	191.7	21,600	49.4	194.8	20,700	53.0	198.8	19,200	56.5	201.4	17,800							110
115	39.8	179.5	21,800	44.2	186.8	20,300	46.6	190.3	19,500	50.4	194.8	18,000	54.0	197.9	16,600							115
120	36.5	173.1	20,500	41.1	181.4	19,100	43.7	185.3	18,300	47.7	190.5	17,000	51.4	194.1	15,600							120
125	32.9	165.9	19,300	37.9	175.3	18,000	40.7	179.8	17,300	44.9	185.7	16,000	48.7	189.9	14,700	52.2	192.5	13,400				125
130	28.9	157.5	18,300	34.5	168.5	17,000	37.4	173.6	16,300	41.9	180.4	15,000	45.9	185.3	13,800	49.6	188.5	12,600				130
135	24.3	147.5	17,300	30.6	160.6	16,100	33.9	166.7	15,400	38.8	174.6	14,200	43.0	180.2	13,000	46.9	184.0	11,900				135
140	18.7	134.8	16,400	26.4	151.4	15,200	30.0	158.7	14,500	35.4	167.9	13,400	39.9	174.5	12,300	44.0	179.1	11,200	47.6	181.8	10,100	140
145	10.6	115.7	14,800 *	21.3	140.1	14,400	25.7	149.2	13,800	31.6	160.4	12,700	36.6	168.2	11,600	40.9	173.6	10,500	44.8	177.0	9,500	145
150				14.7	124.7	13,700	20.4	137.5	13,000	27.5	151.6	12,000	33.0	161.0	10,900	37.7	167.5	9,900	41.8	171.7	8,900	150
155							13.4	121.0	12,300	22.7	140.9	11,300	29.1	152.7	10,300	34.2	160.6	9,400	38.6	165.8	8,400	155
160										16.6	126.9	10,700	24.5	142.8	9,800	30.4	152.7	8,800	35.2	159.1	7,900	160
165										6.2	102.0	10,100	19.0	130.3	9,200	26.1	143.4	8,300	31.5	151.5	7,500	165
170													11.2	111.8	8,700	21.0	131.9	7,900	27.3	142.7	7,000	170
175																14.2	116.1	7,400	22.4	131.9	6,600	175
180																			16.2	117.6	6,200	180



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
105,000 Lb. Counterweight
360 Degree Rating

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

777 SERIES 1

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	235.1	43,600 *																			45
50	73.5	233.7	41,800 *																			50
55	71.5	232.2	40,000 *																			55
60	69.5	230.4	38,200 *																			60
65	67.4	228.4	36,500 *	70.3	230.5	38,900 *																65
70	65.3	226.2	34,900 *	68.3	228.6	37,300 *																70
75	63.2	223.8	33,300 *	66.2	226.5	35,600 *	68.0	227.6	34,800													75
80	61.1	221.2	31,700 *	64.1	224.2	33,200	65.9	225.5	31,900													80
85	58.8	218.3	30,300 *	62.0	221.7	30,600	63.8	223.2	29,400													85
90	56.6	215.1	28,900 *	59.8	218.9	28,400	61.7	220.6	27,200													90
95	54.3	211.7	27,500 *	57.6	215.9	26,400	59.5	217.8	25,300	62.5	220.0	23,500										95
100	51.9	207.9	26,200 *	55.3	212.5	24,600	57.2	214.7	23,600	60.4	217.3	21,900										100
105	49.4	203.8	24,600	52.9	208.9	23,000	54.9	211.3	22,000	58.1	214.3	20,500										105
110	46.8	199.3	23,100	50.5	205.0	21,500	52.6	207.7	20,600	55.9	211.1	19,100										110
115	44.2	194.4	21,700	48.0	200.7	20,200	50.1	203.7	19,400	53.5	207.5	17,900	56.7	210.0	16,500							115
120	41.3	189.0	20,400	45.3	195.9	19,000	47.6	199.3	18,200	51.1	203.7	16,800	54.4	206.6	15,500							120
125	38.4	183.0	19,300	42.6	190.8	17,900	44.9	194.5	17,200	48.6	199.5	15,900	52.0	202.9	14,600							125
130	35.2	176.3	18,200	39.7	185.0	16,900	42.2	189.3	16,200	46.0	194.8	14,900	49.5	198.8	13,700	52.8	201.3	12,500				130
135	31.7	168.8	17,200	36.6	178.7	16,000	39.2	183.4	15,300	43.3	189.8	14,100	47.0	194.3	12,900	50.3	197.3	11,800				135
140	27.9	160.0	16,300	33.3	171.5	15,200	36.1	177.0	14,500	40.4	184.2	13,300	44.3	189.4	12,200	47.8	193.0	11,100				140
145	23.5	149.6	15,500	29.6	163.3	14,400	32.7	169.7	13,700	37.4	178.0	12,600	41.5	184.1	11,500	45.2	188.2	10,400				145
150	18.1	136.4	14,700	25.5	153.7	13,600	29.0	161.3	13,000	34.1	171.1	11,900	38.5	178.1	10,900	42.4	183.0	9,800	45.9	186.1	8,800	150
155	10.3	116.6	13,100 *	20.6	141.9	12,900	24.8	151.4	12,300	30.5	163.2	11,300	35.3	171.5	10,300	39.5	177.3	9,300	43.2	181.1	8,300	155
160				14.2	126.0	12,200	19.7	139.2	11,700	26.5	154.0	10,700	31.9	163.9	9,700	36.4	170.8	8,800	40.3	175.5	7,800	160
165							13.0	122.2	11,000	21.9	142.9	10,100	28.1	155.3	9,200	33.0	163.6	8,300	37.2	169.2	7,400	165
170										16.0	128.3	9,600	23.7	145.0	8,700	29.4	155.4	7,800	34.0	162.2	6,900	170
175										6.0	102.6	9,000	18.4	132.0	8,200	25.2	145.7	7,400	30.4	154.3	6,500	175
180													10.8	112.7	7,700	20.2	133.7	6,900	26.4	145.0	6,100	180
190																			15.7	119.0	5,400	190

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
105,000 Lb. Counterweight
360 Degree Rating

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

777 SERIES 1

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	244.1	38,400 *																			50
55	72.7	242.7	36,700 *																			55
60	70.8	241.0	35,000 *																			60
65	68.9	239.2	33,400 *																			65
70	67.0	237.2	31,800 *	69.7	239.3	34,000 *																70
75	65.0	234.9	30,300 *	67.8	237.4	32,500 *																75
80	63.0	232.5	28,800 *	65.9	235.3	31,000 *	67.5	236.4	31,600													80
85	61.0	229.8	27,400 *	63.9	232.9	29,500 *	65.6	234.2	29,100													85
90	58.9	226.9	26,000 *	61.9	230.4	28,100 *	63.6	231.9	26,900													90
95	56.8	223.8	24,700 *	59.8	227.6	26,100	61.6	229.3	25,000													95
100	54.6	220.4	23,500 *	57.7	224.5	24,300	59.5	226.4	23,300	62.4	228.7	21,600										100
105	52.4	216.7	22,300 *	55.6	221.2	22,700	57.4	223.4	21,700	60.3	226.0	20,100										105
110	50.1	212.7	21,100 *	53.4	217.7	21,300	55.3	220.0	20,300	58.3	223.0	18,800										110
115	47.7	208.3	20,100 *	51.1	213.8	20,000	53.0	216.4	19,100	56.1	219.8	17,600										115
120	45.3	203.6	19,000 *	48.8	209.6	18,800	50.8	212.5	17,900	53.9	216.3	16,500	56.9	218.7	15,200							120
125	42.7	198.4	18,100 *	46.3	205.0	17,700	48.4	208.3	16,900	51.7	212.5	15,500	54.7	215.3	14,200							125
130	40.0	192.7	17,200 *	43.8	200.0	16,700	46.0	203.6	15,900	49.4	208.4	14,600	52.5	211.7	13,400							130
135	37.1	186.4	16,300 *	41.2	194.6	15,700	43.4	198.6	15,000	47.0	203.9	13,800	50.2	207.7	12,600							135
140	34.0	179.4	15,500 *	38.4	188.6	14,900	40.8	193.0	14,200	44.5	199.0	13,000	47.9	203.3	11,800	51.0	206.1	10,700				140
145	30.7	171.6	14,700 *	35.4	181.9	14,100	37.9	186.9	13,400	41.9	193.7	12,300	45.4	198.6	11,200	48.6	201.9	10,100				145
150	27.0	162.5	14,000 *	32.2	174.4	13,300	34.9	180.2	12,700	39.1	187.8	11,600	42.8	193.4	10,500	46.2	197.3	9,500				150
155	22.7	151.7	13,400 *	28.6	165.9	12,700	31.7	172.6	12,000	36.2	181.3	11,000	40.1	187.8	9,900	43.7	192.3	8,900	46.9	195.2	8,000	155
160	17.5	138.0	12,800 *	24.6	155.9	12,000	28.1	163.8	11,400	33.0	174.1	10,400	37.3	181.5	9,400	41.0	186.8	8,400	44.4	190.3	7,500	160
165	9.9	117.5	11,400 *	19.9	143.7	11,400	24.0	153.6	10,800	29.6	165.8	9,800	34.2	174.6	8,900	38.2	180.8	7,900	41.7	184.9	7,000	165
170				13.7	127.2	10,800	19.1	140.9	10,200	25.7	156.3	9,300	30.9	166.7	8,400	35.2	174.1	7,500	39.0	179.1	6,600	170
175							12.5	123.3	9,700	21.2	144.8	8,800	27.2	157.7	7,900	32.0	166.5	7,000	36.0	172.5	6,200	175
180										15.5	129.7	8,300	22.9	147.0	7,500	28.4	157.9	6,600	32.9	165.2	5,800	180
190													10.4	113.7	6,600	19.6	135.5	5,900	25.5	147.3	5,100	190
200																			15.2	120.4	4,400	200



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
105,000 Lb. Counterweight
360 Degree Rating

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

777 SERIES 1

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	254.5	35,300 *																			50
55	73.7	253.1	33,900 *																			55
60	72.0	251.6	32,300 *																			60
65	70.2	249.9	30,700 *																			65
70	68.4	248.0	29,200 *	71.0	250.0	31,300 *																70
75	66.6	245.9	27,800 *	69.2	248.1	29,800 *																75
80	64.7	243.6	26,400 *	67.4	246.2	28,400 *																80
85	62.8	241.2	25,000 *	65.5	244.0	27,000 *	67.1	245.2	28,000 *													85
90	60.9	238.5	23,700 *	63.7	241.6	25,700 *	65.2	242.9	26,700 *													90
95	59.0	235.6	22,500 *	61.8	239.0	24,300 *	63.4	240.5	24,800 *													95
100	57.0	232.5	21,300 *	59.8	236.2	23,100 *	61.5	237.9	23,000 *													100
105	55.0	229.1	20,100 *	57.9	233.2	21,900 *	59.5	235.1	21,500 *	62.2	237.4	19,900 *										105
110	52.9	225.5	19,000 *	55.8	229.9	20,700 *	57.6	232.0	20,100 *	60.3	234.6	18,500 *										110
115	50.7	221.5	18,000 *	53.8	226.4	19,600 *	55.5	228.7	18,800 *	58.4	231.7	17,400 *										115
120	48.5	217.3	17,000 *	51.7	222.6	18,500 *	53.5	225.2	17,700 *	56.4	228.4	16,300 *										120
125	46.2	212.7	16,100 *	49.5	218.5	17,400 *	51.3	221.3	16,600 *	54.3	225.0	15,300 *	57.1	227.4	14,000 *							125
130	43.8	207.7	15,200 *	47.2	214.0	16,400 *	49.2	217.2	15,700 *	52.2	221.3	14,400 *	55.1	224.0	13,100 *							130
135	41.4	202.2	14,400 *	44.9	209.2	15,500 *	46.9	212.7	14,800 *	50.0	217.2	13,500 *	53.0	220.4	12,300 *							135
140	38.7	196.3	13,600 *	42.4	204.0	14,700 *	44.5	207.8	13,900 *	47.8	212.9	12,800 *	50.8	216.5	11,600 *							140
145	36.0	189.7	12,800 *	39.9	198.3	13,900 *	42.1	202.5	13,200 *	45.5	208.1	12,000 *	48.6	212.3	10,900 *	51.5	215.0	9,800 *				145
150	33.0	182.5	12,100 *	37.2	192.0	13,100 *	39.5	196.7	12,500 *	43.1	203.0	11,400 *	46.3	207.7	10,300 *	49.4	210.8	9,200 *				150
155	29.7	174.3	11,300 *	34.3	185.0	12,400 *	36.8	190.3	11,800 *	40.5	197.4	10,700 *	44.0	202.7	9,700 *	47.1	206.4	8,700 *				155
160	26.1	164.8	10,500 *	31.2	177.3	11,700 *	33.9	183.3	11,200 *	37.9	191.3	10,200 *	41.5	197.3	9,100 *	44.7	201.5	8,200 *	47.7	204.2	7,200 *	160
165	22.0	153.6	9,700 *	27.8	168.4	10,800 *	30.7	175.3	10,600 *	35.0	184.5	9,600 *	38.9	191.4	8,600 *	42.3	196.2	7,700 *	45.4	199.4	6,800 *	165
170	17.0	139.5	8,900 *	23.9	158.1	10,000 *	27.2	166.3	10,000 *	32.0	177.0	9,100 *	36.1	184.8	8,100 *	39.7	190.5	7,200 *	43.0	194.3	6,300 *	170
175	9.6	118.4	8,200 *	19.3	145.5	9,200 *	23.3	155.7	9,500 *	28.7	168.4	8,600 *	33.1	177.6	7,700 *	37.0	184.2	6,800 *	40.4	188.7	5,900 *	175
180				13.3	128.4	8,500 *	18.5	142.6	9,000 *	24.9	158.5	8,100 *	29.9	169.5	7,300 *	34.1	177.2	6,400 *	37.8	182.5	5,600 *	180
190										15.0	131.0	7,300 *	22.2	149.0	6,400 *	27.5	160.4	5,600 *	31.8	168.1	4,900 *	190
200													10.1	114.6	5,700 *	19.0	137.2	5,000 *	24.7	149.6	4,200 *	200



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
105,000 Lb. Counterweight
360 Degree Rating

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

777 SERIES 1

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	166.3	103,700 *b																			30
35	67.1	164.4	99,400 *b																			35
40	62.6	162.0	89,800 b	69.8	164.9	84,800 b																40
45	57.8	159.2	76,800	65.3	162.8	72,500 b																45
50	52.9	155.7	67,000	60.7	160.2	63,200	65.1	161.9	60,900 b													50
55	47.5	151.5	59,200	55.9	157.2	55,900	60.5	159.4	53,900													55
60	41.7	146.5	53,000	50.8	153.4	50,000	55.7	156.2	48,200													60
65	35.1	140.2	47,900	45.3	149.0	45,100	50.6	152.5	43,500	58.5	156.3	40,800										65
70	27.2	131.9	43,500	39.2	143.5	41,100	45.1	148.0	39,600	53.5	152.9	37,100										70
75	16.1	119.3	39,800	32.2	136.5	37,600	38.9	142.4	36,200	48.3	148.8	33,900	56.2	152.2	31,700							75
80				23.4	127.0	34,600	31.9	135.4	33,300	42.5	143.9	31,200	51.1	148.6	29,100							80
85				8.5	109.6	31,900	23.0	125.7	30,800	36.1	137.8	28,800	45.7	144.1	26,900							85
90							7.2	107.2	28,500	28.4	129.8	26,800	39.6	138.7	24,900	48.4	143.2	23,200				90
95										17.9	118.1	24,900	32.7	131.8	23,200	42.6	138.3	21,500				95
100													24.0	122.6	21,600	36.2	132.2	20,100	45.1	136.7	18,600	100
105													10.0	106.3	20,200	28.5	124.3	18,800	39.0	131.1	17,300	105
110																18.1	112.7	17,600	31.9	124.1	16,200	110
115																			23.1	114.5	15,200	115
120																			7.5	96.2	14,200	120



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
105,000 Lb. Counterweight
360 Degree Rating

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

777 SERIES 1

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	176.7	94,600 *b																			30
35	70.1	175.1	90,900 *b																			35
40	66.2	173.1	87,400 *																			40
45	62.2	170.7	76,600	68.6	173.7	72,200 b																45
50	58.1	167.8	66,700	64.7	171.5	62,900																50
55	53.8	164.5	59,000	60.6	168.9	55,600	64.5	170.6	53,500													55
60	49.2	160.5	52,800	56.4	165.8	49,700	60.5	168.0	47,800													60
65	44.3	155.8	47,700	52.0	162.2	44,900	56.2	164.9	43,200	62.8	167.7	40,400										65
70	38.9	150.1	43,400	47.3	158.0	40,800	51.8	161.3	39,300	58.7	164.9	36,700										70
75	32.8	143.2	39,700	42.2	153.0	37,300	47.1	157.0	35,900	54.4	161.6	33,600										75
80	25.4	134.2	36,500	36.6	146.9	34,400	42.0	152.0	33,000	49.8	157.7	30,900	56.7	160.9	28,700							80
85	15.1	120.7	33,700	30.1	139.3	31,800	36.3	145.8	30,500	45.0	153.1	28,500	52.3	157.4	26,500							85
90				21.9	129.0	29,500	29.8	138.1	28,300	39.7	147.6	26,500	47.6	153.2	24,600							90
95				8.0	110.3	27,400	21.5	127.7	26,400	33.7	140.9	24,600	42.6	148.2	22,900	49.9	152.1	21,100				95
100							6.7	107.8	24,500	26.5	132.3	23,000	37.0	142.2	21,300	45.1	147.5	19,700				100
105										16.8	119.7	21,500	30.5	134.7	19,900	39.7	142.0	18,400	47.1	145.8	16,900	105
110													22.5	124.6	18,700	33.7	135.4	17,200	42.0	140.7	15,800	110
115													9.4	107.1	17,500	26.6	126.8	16,200	36.4	134.6	14,800	115
120																17.0	114.3	15,200	29.8	126.9	13,900	120
125																			21.6	116.5	13,100	125
130																			7.0	96.8	12,200	130



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
105,000 Lb. Counterweight
360 Degree Rating

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

777 SERIES 1

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	187.1	84,800 *b																			30
35	72.4	185.7	81,600 *b																			35
40	69.0	183.9	77,900 *																			40
45	65.5	181.8	74,400 *																			45
50	62.0	179.4	66,600	67.6	182.4	62,700																50
55	58.3	176.5	58,800	64.2	180.2	55,400	67.5	181.6	53,300													55
60	54.5	173.2	52,600	60.6	177.6	49,500	64.0	179.3	47,600													60
65	50.5	169.3	47,500	56.8	174.5	44,700	60.4	176.7	42,900													65
70	46.2	164.9	43,200	53.0	171.0	40,600	56.7	173.6	39,000	62.5	176.4	36,400										70
75	41.6	159.7	39,600	48.8	167.0	37,200	52.8	170.1	35,700	58.8	173.6	33,300										75
80	36.6	153.6	36,400	44.5	162.2	34,200	48.7	166.0	32,900	55.0	170.3	30,600										80
85	30.9	146.1	33,700	39.7	156.7	31,600	44.3	161.2	30,400	51.0	166.6	28,300	57.1	169.6	26,300							85
90	23.9	136.4	31,300	34.4	150.1	29,300	39.5	155.7	28,200	46.8	162.2	26,200	53.2	166.1	24,300							90
95	14.2	122.0	29,100	28.3	141.9	27,300	34.2	149.0	26,200	42.3	157.1	24,400	49.1	162.1	22,600							95
100				20.6	130.9	25,500	28.0	140.7	24,500	37.3	151.1	22,800	44.7	157.4	21,100	51.1	160.9	19,500				100
105				7.5	111.0	23,800	20.2	129.5	22,900	31.7	143.8	21,300	40.0	151.9	19,700	46.9	156.6	18,200				105
110							6.4	108.4	21,400	25.0	134.6	20,000	34.8	145.4	18,500	42.3	151.5	17,000				110
115										15.8	121.1	18,700	28.7	137.3	17,400	37.4	145.5	16,000	44.3	150.0	14,600	115
120													21.2	126.6	16,300	31.8	138.3	15,000	39.5	144.4	13,700	120
125													8.8	107.9	15,300	25.1	129.0	14,100	34.2	137.7	12,900	125
130																16.0	115.7	13,300	28.1	129.5	12,100	130
135																			20.3	118.3	11,400	135
140																			6.6	97.4	10,700	140



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
105,000 Lb. Counterweight
360 Degree Rating

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

777 SERIES 1

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	196.1	75,200 *b																			35
40	71.2	194.6	72,400 *																			40
45	68.1	192.7	69,300 *																			45
50	65.0	190.5	66,200 *	70.0	193.1	62,300																50
55	61.8	188.0	58,600	66.9	191.2	55,100																55
60	58.5	185.2	52,400	63.8	188.9	49,200	66.8	190.3	47,300													60
65	55.1	181.9	47,300	60.5	186.2	44,300	63.6	188.0	42,600													65
70	51.5	178.2	43,000	57.2	183.2	40,300	60.4	185.3	38,700													70
75	47.7	173.9	39,300	53.7	179.8	36,900	57.0	182.3	35,400	62.2	185.1	32,900										75
80	43.7	169.0	36,200	50.0	175.8	33,900	53.5	178.8	32,500	58.9	182.2	30,300										80
85	39.4	163.4	33,500	46.2	171.3	31,300	49.9	174.9	30,000	55.5	179.0	27,900										85
90	34.7	156.8	31,000	42.1	166.2	29,100	46.0	170.4	27,900	52.0	175.4	25,900	57.4	178.3	23,900							90
95	29.2	148.8	28,900	37.6	160.2	27,100	41.9	165.2	25,900	48.2	171.2	24,100	53.9	174.9	22,200							95
100	22.7	138.5	27,000	32.6	153.1	25,300	37.4	159.1	24,200	44.3	166.4	22,500	50.3	171.0	20,700							100
105	13.5	123.2	25,300	26.8	144.3	23,600	32.4	152.0	22,600	40.0	160.9	21,000	46.4	166.5	19,400	52.0	169.7	17,800				105
110				19.6	132.7	22,200	26.6	143.1	21,200	35.3	154.4	19,700	42.3	161.4	18,100	48.3	165.6	16,600				110
115				7.1	111.6	20,800	19.2	131.3	19,900	30.0	146.6	18,500	37.9	155.5	17,000	44.3	160.8	15,600				115
120							6.0	108.9	18,700	23.7	136.7	17,400	32.9	148.4	16,000	40.1	155.3	14,600	46.0	159.1	13,300	120
125										15.0	122.5	16,300	27.2	139.8	15,000	35.4	148.8	13,800	41.9	153.9	12,500	125
130													20.1	128.4	14,200	30.1	141.1	12,900	37.4	147.9	11,700	130
135													8.4	108.6	13,300	23.8	131.2	12,200	32.4	140.7	11,000	135
140																15.2	117.1	11,500	26.6	131.9	10,400	140
145																			19.3	120.1	9,800	145
150																			6.2	98.0	9,200	150



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
105,000 Lb. Counterweight
360 Degree Rating

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

777 SERIES 1

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	206.5	69,500 *b																			35
40	72.9	205.1	67,100 *																			40
45	70.2	203.4	64,300 *																			45
50	67.4	201.5	61,700 *																			50
55	64.6	199.2	58,500	69.1	202.0	55,000																55
60	61.6	196.7	52,300	66.3	199.9	49,100																60
65	58.6	193.8	47,200	63.4	197.6	44,300	66.2	199.0	42,500													65
70	55.5	190.6	42,900	60.5	194.9	40,200	63.3	196.7	38,600													70
75	52.3	186.9	39,300	57.4	191.9	36,800	60.3	194.0	35,300													75
80	48.9	182.8	36,200	54.3	188.5	33,800	57.3	191.0	32,500	62.0	193.7	30,200										80
85	45.4	178.2	33,400	51.0	184.7	31,300	54.1	187.6	30,000	59.0	190.9	27,900										85
90	41.6	172.9	31,000	47.6	180.4	29,000	50.9	183.7	27,800	55.9	187.7	25,800										90
95	37.5	166.9	28,900	43.9	175.5	27,000	47.4	179.4	25,900	52.7	184.1	24,000	57.6	187.0	22,200							95
100	33.0	159.8	27,000	40.0	169.9	25,200	43.8	174.5	24,200	49.4	180.1	22,400	54.5	183.6	20,700							100
105	27.9	151.3	25,300	35.8	163.5	23,600	39.9	168.9	22,600	45.9	175.5	20,900	51.2	179.8	19,300							105
110	21.6	140.5	23,800	31.1	155.9	22,200	35.6	162.4	21,200	42.1	170.4	19,600	47.8	175.5	18,100	52.8	178.5	16,600				110
115	12.8	124.3	22,300	25.6	146.7	20,900	30.8	154.8	20,000	38.1	164.4	18,500	44.1	170.7	17,000	49.4	174.5	15,500				115
120				18.6	134.4	19,600	25.3	145.4	18,800	33.6	157.5	17,400	40.3	165.2	16,000	45.9	169.9	14,600				120
125				6.8	112.2	18,500	18.3	132.9	17,700	28.6	149.2	16,400	36.1	158.8	15,000	42.2	164.8	13,700	47.4	168.1	12,400	125
130							5.7	109.4	16,700	22.5	138.8	15,400	31.4	151.3	14,200	38.1	158.8	12,900	43.8	163.2	11,700	130
135										14.3	123.7	14,600	25.9	142.2	13,400	33.7	151.9	12,200	39.9	157.6	11,000	135
140													19.1	130.1	12,600	28.7	143.7	11,500	35.6	151.2	10,400	140
145													8.0	109.4	11,900	22.6	133.3	10,800	30.9	143.6	9,800	145
150																14.5	118.4	10,200	25.4	134.2	9,200	150
155																			18.3	121.7	8,700	155
160																			5.9	98.5	8,100	160



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
105,000 Lb. Counterweight
360 Degree Rating

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

777 SERIES 1

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	215.5	61,900 *																			40
45	71.9	214.0	59,500 *																			45
50	69.4	212.2	57,000 *																			50
55	66.8	210.2	54,600 *	70.9	212.6	54,700																55
60	64.2	207.9	52,100	68.4	210.7	48,800																60
65	61.5	205.4	47,000	65.8	208.6	44,000																65
70	58.7	202.5	42,700	63.1	206.2	39,900	65.7	207.8	38,300													70
75	55.9	199.3	39,000	60.4	203.5	36,500	63.0	205.4	35,000													75
80	53.0	195.7	35,900	57.6	200.5	33,600	60.3	202.7	32,100													80
85	49.9	191.7	33,200	54.8	197.2	31,000	57.5	199.6	29,700	61.9	202.4	27,500										85
90	46.7	187.3	30,800	51.8	193.5	28,700	54.6	196.3	27,500	59.1	199.6	25,500										90
95	43.4	182.3	28,700	48.7	189.3	26,700	51.7	192.5	25,600	56.3	196.4	23,700										95
100	39.8	176.6	26,800	45.4	184.7	25,000	48.5	188.3	23,900	53.4	192.9	22,100	57.8	195.6	20,300							100
105	35.9	170.2	25,100	42.0	179.4	23,400	45.3	183.7	22,300	50.3	189.0	20,600	54.9	192.3	18,900							105
110	31.6	162.7	23,600	38.3	173.5	21,900	41.8	178.4	20,900	47.2	184.6	19,300	52.0	188.6	17,700							110
115	26.6	153.7	22,200	34.2	166.7	20,600	38.1	172.4	19,700	43.8	179.7	18,100	48.9	184.5	16,600							115
120	20.7	142.3	20,900	29.7	158.7	19,400	34.0	165.6	18,500	40.2	174.1	17,100	45.6	179.8	15,600	50.4	183.3	14,200				120
125	12.3	125.4	19,700 *	24.5	148.9	18,300	29.5	157.5	17,500	36.4	167.8	16,100	42.2	174.6	14,700	47.2	179.0	13,300				125
130				17.8	136.0	17,300	24.2	147.6	16,500	32.2	160.4	15,200	38.5	168.8	13,800	43.9	174.1	12,500				130
135				6.5	112.8	16,300	17.5	134.5	15,600	27.3	151.7	14,300	34.5	162.0	13,000	40.3	168.5	11,800	45.3	172.4	10,600	135
140							5.5	109.9	14,700	21.6	140.7	13,500	30.0	154.1	12,300	36.5	162.2	11,100	41.8	167.1	10,000	140
145										13.7	125.0	12,800	24.8	144.4	11,600	32.2	154.9	10,500	38.1	161.2	9,400	145
150													18.3	131.7	11,000	27.4	146.2	9,900	34.1	154.3	8,800	150
155													7.6	110.0	10,400	21.7	135.2	9,300	29.5	146.3	8,300	155
160																13.8	119.6	8,800	24.3	136.4	7,800	160
165																			17.6	123.3	7,400	165
170																			5.7	99.0	6,900	170

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
105,000 Lb. Counterweight
360 Degree Rating

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

777 SERIES 1

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	225.8	50,500 *																			40
45	73.3	224.5	49,500 *																			45
50	71.0	222.8	48,500 *																			50
55	68.7	221.0	46,800 *																			55
60	66.3	218.9	44,800 *	70.1	221.4	48,000 *																60
65	63.9	216.6	43,000 *	67.8	219.5	43,700																65
70	61.4	214.0	41,200 *	65.3	217.3	39,700	67.6	218.6	38,000													70
75	58.8	211.2	38,800	62.9	214.9	36,300	65.2	216.5	34,700													75
80	56.2	208.0	35,700	60.4	212.2	33,300	62.8	214.0	31,900													80
85	53.5	204.5	33,000	57.8	209.2	30,800	60.3	211.3	29,400													85
90	50.7	200.6	30,600	55.2	205.9	28,500	57.7	208.3	27,300	61.7	211.1	25,200										90
95	47.8	196.3	28,500	52.5	202.3	26,500	55.1	205.0	25,300	59.2	208.2	23,400										95
100	44.8	191.5	26,600	49.6	198.2	24,700	52.3	201.3	23,600	56.6	205.1	21,800										100
105	41.6	186.2	24,900	46.7	193.7	23,100	49.5	197.3	22,100	53.9	201.6	20,400	58.0	204.3	18,700							105
110	38.1	180.2	23,400	43.5	188.7	21,700	46.5	192.8	20,700	51.1	197.8	19,100	55.3	201.0	17,400							110
115	34.4	173.4	22,000	40.2	183.2	20,400	43.4	187.7	19,500	48.2	193.5	17,900	52.6	197.4	16,300							115
120	30.3	165.5	20,700	36.7	176.9	19,200	40.1	182.1	18,300	45.2	188.8	16,800	49.8	193.3	15,300							120
125	25.6	156.0	19,500	32.8	169.7	18,100	36.5	175.8	17,300	42.0	183.6	15,800	46.8	188.9	14,400	51.2	192.2	13,100				125
130	19.9	144.1	18,500	28.5	161.3	17,100	32.7	168.6	16,300	38.6	177.7	14,900	43.7	183.9	13,600	48.3	187.9	12,300				130
135	11.8	126.5	17,300 *	23.5	151.0	16,200	28.3	160.1	15,400	34.9	171.0	14,100	40.4	178.4	12,800	45.3	183.2	11,500				135
140				17.1	137.5	15,300	23.2	149.7	14,600	30.9	163.3	13,300	36.9	172.2	12,100	42.1	178.0	10,900	46.5	181.5	9,700	140
145				6.3	113.4	14,500	16.8	136.0	13,800	26.2	154.1	12,600	33.1	165.0	11,400	38.7	172.1	10,300	43.4	176.5	9,100	145
150							5.3	110.4	13,000	20.7	142.6	11,900	28.8	156.7	10,800	35.0	165.4	9,700	40.1	170.9	8,600	150
155										13.1	126.1	11,300	23.8	146.6	10,200	30.9	157.7	9,100	36.6	164.6	8,100	155
160													17.6	133.3	9,600	26.3	148.6	8,600	32.7	157.3	7,600	160
165													7.3	110.7	9,100	20.8	137.1	8,100	28.4	148.8	7,200	165
170																13.3	120.8	7,600	23.3	138.5	6,700	170
175																			16.9	124.8	6,300	175
180																			5.5	99.5	5,900	180



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
105,000 Lb. Counterweight
360 Degree Rating

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

777 SERIES 1

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	234.9	46,200 *																			45
50	72.4	233.4	45,000 *																			50
55	70.3	231.7	43,100 *																			55
60	68.1	229.8	41,300 *																			60
65	65.9	227.7	39,500 *	69.4	230.2	42,400 *																65
70	63.6	225.3	37,800 *	67.2	228.3	39,400																70
75	61.3	222.7	36,200 *	65.0	226.0	36,000	67.1	227.4	34,400													75
80	58.9	219.8	34,600 *	62.7	223.6	33,000	64.9	225.2	31,600													80
85	56.5	216.7	32,700	60.4	220.9	30,500	62.6	222.7	29,100													85
90	54.0	213.2	30,300	58.0	217.9	28,200	60.3	220.0	26,900													90
95	51.4	209.4	28,200	55.5	214.6	26,200	57.9	217.0	25,000	61.6	219.7	23,000										95
100	48.8	205.2	26,300	53.0	211.0	24,400	55.4	213.7	23,300	59.2	216.9	21,400										100
105	46.0	200.6	24,600	50.4	207.1	22,900	52.9	210.1	21,800	56.8	213.8	20,000										105
110	43.1	195.5	23,100	47.7	202.7	21,400	50.3	206.1	20,400	54.4	210.3	18,700										110
115	40.0	189.9	21,700	44.9	197.9	20,100	47.6	201.8	19,100	51.8	206.6	17,500	55.7	209.7	16,000							115
120	36.7	183.6	20,500	41.9	192.7	18,900	44.7	197.0	18,000	49.1	202.5	16,500	53.2	206.1	15,000							120
125	33.1	176.4	19,300	38.7	186.8	17,800	41.8	191.6	17,000	46.4	197.9	15,500	50.6	202.2	14,100							125
130	29.2	168.1	18,200	35.3	180.1	16,800	38.6	185.7	16,000	43.5	192.9	14,600	47.9	197.9	13,200	51.8	201.0	11,900				130
135	24.6	158.3	17,300	31.6	172.6	15,900	35.2	179.0	15,100	40.4	187.3	13,800	45.0	193.1	12,500	49.2	196.9	11,200				135
140	19.1	145.8	16,300	27.5	163.7	15,100	31.4	171.4	14,300	37.1	181.1	13,000	42.1	187.9	11,700	46.4	192.3	10,500				140
145	11.4	127.5	15,100 *	22.6	153.0	14,300	27.3	162.5	13,500	33.6	174.1	12,300	38.9	182.0	11,100	43.5	187.3	9,900	47.6	190.5	8,700	145
150				16.5	139.0	13,500	22.4	151.7	12,800	29.7	166.0	11,600	35.5	175.4	10,500	40.5	181.8	9,300	44.8	185.7	8,200	150
155				6.0	113.9	12,800	16.2	137.5	12,100	25.3	156.4	11,000	31.8	167.9	9,900	37.2	175.5	8,800	41.8	180.4	7,700	155
160							5.1	110.8	11,400	20.0	144.4	10,400	27.7	159.2	9,300	33.7	168.5	8,300	38.6	174.5	7,200	160
165										12.7	127.3	9,800	22.9	148.6	8,800	29.8	160.4	7,800	35.2	167.8	6,800	165
170													16.9	134.8	8,300	25.4	150.8	7,300	31.5	160.2	6,400	170
175													7.1	111.3	7,800	20.0	138.9	6,900	27.3	151.3	6,000	175
180																12.8	121.9	6,500	22.4	140.5	5,600	180
190																			5.3	100.0	4,900	190

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
105,000 Lb. Counterweight
360 Degree Rating

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

777 SERIES 1

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	245.2	43,100 *																			45
50	73.6	243.8	41,600 *																			50
55	71.6	242.3	39,900 *																			55
60	69.6	240.5	38,200 *																			60
65	67.6	238.5	36,500 *	70.8	240.9	39,100 *																65
70	65.5	236.4	34,900 *	68.8	239.0	37,500 *																70
75	63.4	234.0	33,300 *	66.7	237.0	35,800																75
80	61.2	231.4	31,800 *	64.6	234.7	32,900	66.7	236.1	31,400													80
85	59.0	228.5	30,400 *	62.5	232.3	30,300	64.6	233.9	29,000													85
90	56.7	225.3	29,000 *	60.3	229.5	28,100	62.4	231.4	26,800													90
95	54.4	221.9	27,600 *	58.1	226.6	26,100	60.2	228.6	24,900													95
100	52.0	218.2	26,200	55.8	223.3	24,300	58.0	225.6	23,200	61.5	228.4	21,300										100
105	49.6	214.1	24,500	53.5	219.8	22,700	55.7	222.4	21,700	59.3	225.6	19,900										105
110	47.0	209.6	23,000	51.1	215.9	21,300	53.4	218.8	20,300	57.0	222.4	18,600										110
115	44.4	204.8	21,600	48.6	211.7	20,000	51.0	214.9	19,000	54.7	219.1	17,400										115
120	41.6	199.4	20,400	46.0	207.1	18,800	48.5	210.7	17,900	52.4	215.4	16,400	56.0	218.4	14,900							120
125	38.6	193.5	19,200	43.3	202.0	17,700	45.9	206.1	16,900	49.9	211.3	15,400	53.6	214.9	14,000							125
130	35.4	186.8	18,200	40.4	196.4	16,700	43.1	201.0	15,900	47.4	206.9	14,500	51.2	211.0	13,100							130
135	32.0	179.3	17,200	37.4	190.2	15,800	40.3	195.4	15,000	44.7	202.1	13,700	48.7	206.8	12,400	52.4	209.8	11,100				135
140	28.2	170.7	16,300	34.1	183.3	15,000	37.2	189.1	14,200	41.9	196.8	12,900	46.1	202.2	11,600	50.0	205.7	10,400				140
145	23.8	160.4	15,400	30.5	175.3	14,200	33.9	182.2	13,400	39.0	191.0	12,200	43.4	197.2	11,000	47.4	201.3	9,800				145
150	18.5	147.5	14,600	26.5	166.1	13,400	30.3	174.2	12,700	35.8	184.4	11,500	40.6	191.6	10,400	44.8	196.5	9,200				150
155	11.0	128.5	13,400 *	21.9	155.0	12,800	26.3	164.9	12,100	32.4	177.0	10,900	37.5	185.5	9,800	42.0	191.2	8,700	45.9	194.8	7,600	155
160				16.0	140.4	12,100	21.6	153.7	11,400	28.7	168.6	10,300	34.3	178.6	9,200	39.0	185.4	8,200	43.2	189.7	7,100	160
165				5.8	114.4	11,400	15.6	138.9	10,800	24.4	158.6	9,800	30.7	170.7	8,700	35.9	178.8	7,700	40.3	184.1	6,700	165
170							4.9	111.3	10,200	19.3	146.1	9,300	26.8	161.6	8,300	32.5	171.5	7,300	37.2	177.9	6,300	170
175										12.2	128.4	8,800	22.1	150.6	7,800	28.7	163.0	6,800	34.0	170.9	5,900	175
180													16.4	136.3	7,400	24.5	153.1	6,400	30.4	163.0	5,500	180
190																12.4	123.0	5,700	21.7	142.5	4,900	190
200																			5.1	100.4	4,200	200



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
105,000 Lb. Counterweight
360 Degree Rating

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

777 SERIES 1

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	254.2	38,200 *																			50
55	72.8	252.8	36,600 *																			55
60	70.9	251.1	35,000 *																			60
65	69.0	249.3	33,400 *																			65
70	67.1	247.3	31,800 *	70.2	249.7	34,200 *																70
75	65.1	245.1	30,300 *	68.3	247.8	32,700 *																75
80	63.2	242.7	28,800 *	66.3	245.7	31,300 *																80
85	61.1	240.0	27,400 *	64.4	243.4	29,800 *	66.2	244.9	28,700													85
90	59.1	237.1	26,100 *	62.4	240.9	27,800	64.3	242.6	26,500													90
95	57.0	234.0	24,800 *	60.3	238.2	25,800	62.3	240.0	24,600													95
100	54.8	230.6	23,600 *	58.2	235.2	24,000	60.2	237.3	22,900													100
105	52.6	227.0	22,400 *	56.1	232.0	22,500	58.1	234.3	21,400	61.4	237.1	19,600										105
110	50.3	223.0	21,300 *	53.9	228.5	21,000	56.0	231.1	20,000	59.3	234.2	18,300										110
115	47.9	218.6	20,200 *	51.7	224.7	19,700	53.8	227.6	18,700	57.2	231.1	17,100										115
120	45.4	213.9	19,100 *	49.4	220.6	18,500	51.6	223.8	17,600	55.1	227.8	16,000										120
125	42.9	208.8	18,200 *	46.9	216.1	17,500	49.2	219.6	16,600	52.9	224.1	15,100	56.2	227.1	13,600							125
130	40.2	203.1	17,300 *	44.4	211.2	16,500	46.8	215.1	15,600	50.6	220.2	14,200	54.1	223.6	12,800							130
135	37.3	196.9	16,400 *	41.8	205.9	15,600	44.3	210.2	14,700	48.2	215.9	13,400	51.8	219.8	12,000							135
140	34.2	190.0	15,600 *	39.1	200.0	14,700	41.7	204.9	13,900	45.8	211.2	12,600	49.5	215.7	11,300	52.9	218.5	10,000				140
145	30.9	182.1	14,800 *	36.1	193.5	13,900	38.9	199.0	13,100	43.2	206.2	11,900	47.1	211.3	10,600	50.6	214.6	9,400				145
150	27.2	173.1	14,100 *	33.0	186.3	13,200	36.0	192.5	12,400	40.5	200.6	11,200	44.6	206.4	10,000	48.3	210.3	8,900				150
155	23.0	162.5	13,400 *	29.5	178.0	12,500	32.8	185.2	11,800	37.7	194.4	10,600	42.0	201.1	9,400	45.8	205.6	8,300				155
160	17.9	149.1	12,900 *	25.7	168.5	11,800	29.4	176.9	11,200	34.7	187.6	10,000	39.2	195.3	8,900	43.3	200.6	7,800	46.9	203.9	6,800	160
165	10.6	129.4	11,600 *	21.1	156.9	11,200	25.5	167.2	10,600	31.4	179.9	9,500	36.3	188.8	8,400	40.6	195.0	7,400	44.4	199.0	6,300	165
170				15.4	141.8	10,700	20.9	155.6	10,000	27.8	171.1	9,000	33.2	181.6	7,900	37.7	188.9	6,900	41.7	193.6	5,900	170
175				5.6	114.9	10,100	15.1	140.2	9,500	23.6	160.7	8,500	29.7	173.4	7,500	34.7	182.0	6,500	39.0	187.7	5,500	175
180							4.8	111.7	9,000	18.7	147.8	8,000	25.9	164.0	7,100	31.4	174.3	6,100	36.0	181.2	5,200	180
190													15.8	137.7	6,300	23.7	155.2	5,400	29.4	165.6	4,500	190
200																12.0	124.1	4,700				200



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
105,000 Lb. Counterweight
360 Degree Rating

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

777 SERIES 1

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	264.6	34,800 *																			50
55	73.9	263.2	33,800 *																			55
60	72.1	261.7	32,200 *																			60
65	70.3	260.0	30,700 *																			65
70	68.5	258.1	29,200 *																			70
75	66.7	256.0	27,800 *	69.6	258.5	30,100 *																75
80	64.8	253.8	26,400 *	67.8	256.6	28,700 *																80
85	63.0	251.3	25,100 *	66.0	254.5	27,300 *	67.7	255.7	28,400 *													85
90	61.1	248.7	23,800 *	64.1	252.1	26,000 *	65.9	253.6	26,300													90
95	59.1	245.8	22,600 *	62.2	249.6	24,700 *	64.0	251.2	24,300													95
100	57.1	242.7	21,400 *	60.3	246.9	23,400 *	62.1	248.7	22,600													100
105	55.1	239.3	20,200 *	58.3	243.9	22,200 *	60.2	246.0	21,100													105
110	53.0	235.7	19,100 *	56.3	240.7	20,800	58.3	243.0	19,700	61.3	245.7	18,000										110
115	50.9	231.8	18,100 *	54.3	237.2	19,500	56.3	239.8	18,500	59.4	242.9	16,800										115
120	48.7	227.6	17,100 *	52.2	233.5	18,300	54.2	236.3	17,400	57.4	239.8	15,800										120
125	46.4	223.0	16,200 *	50.0	229.5	17,200	52.1	232.5	16,300	55.4	236.5	14,800										125
130	44.0	218.0	15,300 *	47.8	225.1	16,200	49.9	228.5	15,400	53.3	232.9	13,900	56.5	235.8	12,500							130
135	41.5	212.6	14,400 *	45.5	220.4	15,300	47.7	224.1	14,500	51.2	229.0	13,100	54.4	232.3	11,700							135
140	38.9	206.7	13,600 *	43.1	215.2	14,500	45.4	219.4	13,700	49.0	224.8	12,300	52.3	228.6	11,000							140
145	36.2	200.2	12,900 *	40.5	209.6	13,700	42.9	214.2	12,900	46.7	220.3	11,600	50.2	224.6	10,400							145
150	33.2	193.0	12,200 *	37.9	203.5	13,000	40.4	208.6	12,200	44.3	215.4	11,000	47.9	220.2	9,800	51.2	223.4	8,600				150
155	30.0	184.9	11,400 *	35.0	196.7	12,300	37.7	202.5	11,600	41.9	210.0	10,400	45.6	215.5	9,200	49.0	219.2	8,100				155
160	26.4	175.5	10,600 *	32.0	189.2	11,600	34.9	195.6	10,900	39.3	204.2	9,800	43.2	210.4	8,700	46.7	214.7	7,600				160
165	22.3	164.5	9,700 *	28.6	180.6	11,000	31.8	188.1	10,400	36.5	197.8	9,300	40.7	204.9	8,200	44.4	209.8	7,100	47.7	212.8	6,100	165
170	17.4	150.6	9,000 *	24.9	170.7	10,200 *	28.5	179.4	9,800	33.6	190.7	8,700	38.0	198.8	7,700	41.9	204.5	6,700	45.4	208.1	5,700	170
175	10.3	130.3	8,300 *	20.5	158.7	9,400 *	24.7	169.5	9,300	30.4	182.7	8,300	35.2	192.0	7,200	39.3	198.6	6,200	43.0	203.0	5,300	175
180				15.0	143.1	8,700 *	20.3	157.4	8,800	26.9	173.5	7,800	32.1	184.5	6,800	36.6	192.2	5,900	40.4	197.3	4,900	180
190							4.6	112.1	7,900	18.1	149.4	7,000	25.1	166.2	6,100	30.5	177.1	5,100	34.9	184.4	4,300	190
200													15.4	139.1	5,300	23.0	157.3	4,500				200



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
105,000 Lb. Counterweight
360 Degree Rating

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

777 SERIES 1

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	174.5	98,900 *b																			35
40	62.9	172.2	90,000 b	70.8	175.2	84,400 b																40
45	58.2	169.4	77,000	66.4	173.3	72,100 b																45
50	53.2	166.0	67,100	61.9	170.8	62,900 b	66.7	172.5	60,300 b													50
55	47.9	161.9	59,400	57.1	167.9	55,600	62.1	170.2	53,300 b													55
60	42.1	156.9	53,100	52.1	164.3	49,700	57.4	167.2	47,700													60
65	35.6	150.7	48,000	46.7	160.1	44,900	52.4	163.7	43,100	60.9	167.4	40,000 b										65
70	27.8	142.6	43,700	40.8	154.8	40,900	47.0	159.5	39,200	56.1	164.4	36,400										70
75	17.1	130.5	39,900	34.0	148.3	37,400	41.1	154.3	35,900	51.0	160.7	33,300										75
80				25.8	139.6	34,400	34.5	147.9	33,000	45.6	156.2	30,600	54.6	160.6	28,200							80
85				13.7	125.7	31,800	26.4	139.4	30,500	39.5	150.8	28,300	49.4	156.7	26,100							85
90							14.7	126.0	28,200	32.5	143.9	26,200	43.8	151.9	24,200	52.8	155.7	22,200				90
95										23.9	134.6	24,400	37.5	146.1	22,500	47.5	151.6	20,600				95
100										9.7	118.0	22,700	30.2	138.7	21,000	41.7	146.5	19,200				100
105													20.6	128.1	19,600	35.1	140.2	17,900	45.1	145.4	16,300	105
110																27.1	131.9	16,800	39.0	139.8	15,300	110
115																16.0	119.3	15,700	31.9	132.8	14,300	115
120																			23.1	123.2	13,400	120
125																			7.5	104.9	12,500	125



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
105,000 Lb. Counterweight
360 Degree Rating

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

777 SERIES 1

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	185.2	90,300 *b																			35
40	66.5	183.3	86,900 *b																			40
45	62.5	180.9	76,800	69.5	184.0	71,800 b																45
50	58.4	178.0	66,900	65.6	182.0	62,600 b																50
55	54.1	174.7	59,200	61.6	179.5	55,300	65.9	181.3	53,000 b													55
60	49.5	170.8	52,900	57.5	176.6	49,400	61.9	178.8	47,300													60
65	44.7	166.1	47,800	53.1	173.1	44,600	57.7	175.9	42,700													65
70	39.3	160.6	43,500	48.5	169.0	40,600	53.4	172.5	38,800	60.8	176.1	36,000										70
75	33.2	153.8	39,800	43.5	164.2	37,100	48.8	168.4	35,500	56.6	173.1	32,900										75
80	26.0	145.0	36,600	38.0	158.4	34,200	43.8	163.7	32,700	52.2	169.5	30,200										80
85	16.0	131.9	33,800	31.8	151.2	31,600	38.4	157.9	30,200	47.5	165.3	27,900	55.3	169.3	25,700							85
90				24.1	141.8	29,300	32.2	150.9	28,000	42.5	160.3	25,900	50.8	165.5	23,800							90
95				12.8	126.9	27,200	24.6	141.6	26,100	36.9	154.2	24,100	46.1	161.1	22,100							95
100							13.7	127.3	24,300	30.4	146.7	22,500	40.9	155.8	20,600	49.2	160.5	18,800				100
105										22.3	136.6	21,000	35.0	149.4	19,300	44.3	155.8	17,600				105
110										9.0	118.8	19,600	28.2	141.3	18,100	38.9	150.2	16,400	47.1	154.4	14,800	110
115													19.3	129.9	16,900	32.7	143.2	15,400	42.0	149.3	13,900	115
120																25.4	134.2	14,500	36.4	143.2	13,000	120
125																15.0	120.6	13,600	29.8	135.5	12,200	125
130																			21.6	125.1	11,500	130
135																			7.0	105.5	10,800	135



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
105,000 Lb. Counterweight
360 Degree Rating

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

777 SERIES 1

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	195.8	81,000 *b																			35
40	69.2	194.1	77,700 *b																			40
45	65.8	192.0	74,200 *																			45
50	62.2	189.5	66,700	68.5	192.8	62,300																50
55	58.6	186.7	59,000	65.0	190.7	55,100																55
60	54.8	183.4	52,800	61.5	188.2	49,200	65.2	190.0	47,100													60
65	50.8	179.6	47,600	57.8	185.2	44,400	61.7	187.5	42,500													65
70	46.5	175.2	43,300	53.9	181.8	40,400	58.0	184.6	38,600													70
75	42.0	170.1	39,700	49.9	177.9	37,000	54.1	181.2	35,300	60.7	184.7	32,600										75
80	37.0	164.0	36,500	45.6	173.4	34,000	50.1	177.3	32,500	57.0	181.7	30,000										80
85	31.3	156.6	33,800	40.9	168.1	31,400	45.8	172.8	30,000	53.1	178.2	27,700										85
90	24.5	147.2	31,300	35.8	161.7	29,200	41.2	167.6	27,900	49.0	174.2	25,700	55.9	178.0	23,500							90
95	15.1	133.3	29,200	29.9	154.0	27,200	36.1	161.3	25,900	44.7	169.5	23,900	51.9	174.3	21,900							95
100				22.7	143.9	25,400	30.3	153.7	24,200	39.9	164.0	22,300	47.8	170.1	20,400							100
105				12.1	128.0	23,700	23.2	143.7	22,700	34.7	157.5	20,800	43.3	165.2	19,100	50.5	169.4	17,300				105
110							13.0	128.4	21,200	28.6	149.3	19,500	38.4	159.4	17,900	46.2	164.9	16,200				110
115										21.0	138.5	18,300	33.0	152.4	16,800	41.6	159.7	15,200				115
120										8.5	119.6	17,200	26.5	143.7	15,700	36.6	153.6	14,200	44.3	158.6	12,800	120
125													18.2	131.5	14,800	30.8	146.1	13,400	39.5	153.1	12,000	125
130																23.9	136.4	12,600	34.2	146.4	11,300	130
135																14.1	121.9	11,800	28.1	138.1	10,600	135
140																			20.3	127.0	10,000	140
145																			6.6	106.1	9,300	145



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
105,000 Lb. Counterweight
360 Degree Rating

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

777 SERIES 1

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	206.2	74,500 *b																			35
40	71.4	204.7	71,900 *																			40
45	68.3	202.8	69,200 *																			45
50	65.2	200.7	66,100 *	70.7	203.5	62,000																50
55	62.0	198.2	58,800	67.7	201.6	54,700																55
60	58.7	195.4	52,500	64.5	199.4	48,900	67.8	200.9	46,700													60
65	55.3	192.1	47,400	61.3	196.8	44,100	64.7	198.7	42,100													65
70	51.8	188.4	43,100	58.0	193.9	40,100	61.5	196.1	38,300													70
75	48.0	184.2	39,400	54.5	190.6	36,700	58.2	193.2	35,000													75
80	44.0	179.4	36,300	50.9	186.8	33,700	54.8	189.9	32,200	60.7	193.4	29,600										80
85	39.7	173.8	33,500	47.2	182.4	31,100	51.2	186.2	29,700	57.3	190.4	27,300										85
90	35.0	167.3	31,100	43.1	177.4	28,900	47.4	181.9	27,500	53.8	187.0	25,300										90
95	29.7	159.4	29,000	38.7	171.7	26,900	43.4	176.9	25,600	50.2	183.1	23,500	56.3	186.6	21,500							95
100	23.2	149.3	27,100	33.9	164.9	25,100	39.0	171.2	23,900	46.4	178.6	21,900	52.8	183.1	20,000							100
105	14.3	134.6	25,300	28.4	156.6	23,500	34.2	164.5	22,400	42.3	173.5	20,500	49.1	179.0	18,700							105
110				21.6	145.9	22,000	28.7	156.3	21,000	37.8	167.5	19,200	45.2	174.4	17,500	51.5	178.2	15,800				110
115				11.5	129.0	20,700	22.0	145.7	19,700	32.9	160.5	18,000	41.0	169.0	16,400	47.7	173.9	14,800				115
120							12.3	129.5	18,500	27.1	151.8	17,000	36.4	162.8	15,400	43.7	169.1	13,900				120
125										19.9	140.3	16,000	31.2	155.3	14,500	39.4	163.4	13,000	46.0	167.8	11,600	125
130										8.1	120.3	15,000	25.2	146.0	13,600	34.6	156.8	12,200	41.9	162.6	10,900	130
135													17.2	133.1	12,800	29.2	148.8	11,500	37.4	156.5	10,200	135
140																22.6	138.5	10,900	32.4	149.4	9,600	140
145																13.4	123.1	10,200	26.6	140.6	9,000	145
150																			19.3	128.7	8,500	150
155																			6.2	106.6	7,900	155



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
105,000 Lb. Counterweight
360 Degree Rating

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

777 SERIES 1

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	216.6	68,800 *b																			35
40	73.1	215.2	66,500 *																			40
45	70.4	213.5	64,000 *																			45
50	67.6	211.6	61,500 *																			50
55	64.8	209.4	58,700	69.8	212.3	54,700																55
60	61.8	206.9	52,500	67.0	210.4	48,800																60
65	58.8	204.0	47,300	64.1	208.1	44,000	67.2	209.6	42,000													65
70	55.8	200.8	43,000	61.2	205.5	40,000	64.3	207.4	38,200													70
75	52.5	197.2	39,400	58.2	202.6	36,600	61.4	204.8	34,900													75
80	49.2	193.1	36,300	55.1	199.3	33,700	58.4	201.9	32,100													80
85	45.6	188.5	33,500	51.8	195.6	31,100	55.2	198.6	29,600	60.6	202.1	27,200										85
90	41.9	183.3	31,100	48.4	191.4	28,800	52.0	195.0	27,500	57.6	199.1	25,200										90
95	37.8	177.3	29,000	44.8	186.7	26,900	48.6	190.8	25,600	54.4	195.7	23,500										95
100	33.3	170.3	27,100	41.0	181.3	25,100	45.1	186.1	23,900	51.1	191.9	21,900	56.6	195.3	19,900							100
105	28.2	161.9	25,400	36.9	175.1	23,500	41.2	180.8	22,400	47.7	187.6	20,500	53.4	191.8	18,600							105
110	22.1	151.3	23,800	32.3	167.8	22,000	37.1	174.6	21,000	44.1	182.8	19,200	50.1	187.9	17,400							110
115	13.6	135.8	22,400	27.0	159.1	20,700	32.6	167.5	19,700	40.2	177.3	18,000	46.6	183.5	16,300	52.3	187.0	14,700				115
120				20.5	147.7	19,500	27.3	158.8	18,600	36.0	170.9	17,000	43.0	178.4	15,400	48.9	182.9	13,800				120
125				10.9	130.0	18,400	21.0	147.6	17,500	31.3	163.4	16,000	39.0	172.7	14,500	45.4	178.2	13,000				125
130							11.7	130.6	16,500	25.8	154.2	15,100	34.6	166.0	13,600	41.6	173.0	12,200	47.4	176.8	10,800	130
135										19.0	142.1	14,200	29.7	158.0	12,800	37.5	166.9	11,500	43.8	171.9	10,200	135
140										7.7	121.0	13,400	24.0	148.2	12,100	33.0	159.8	10,800	39.9	166.3	9,600	140
145													16.4	134.6	11,400	27.8	151.3	10,200	35.6	159.8	9,000	145
150																21.6	140.4	9,600	30.9	152.2	8,500	150
155																12.7	124.2	9,100	25.4	142.9	8,000	155
160																			18.3	130.4	7,500	160
165																			5.9	107.2	7,000	165



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
105,000 Lb. Counterweight
360 Degree Rating

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

777 SERIES 1

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	225.6	61,300 *																			40
45	72.1	224.1	59,200 *																			45
50	69.6	222.3	56,800 *																			50
55	67.0	220.4	54,500 *																			55
60	64.4	218.1	52,200 *	69.0	221.1	48,500																60
65	61.7	215.5	47,100	66.4	219.1	43,700																65
70	58.9	212.7	42,800	63.8	216.8	39,700	66.6	218.4	37,900													70
75	56.1	209.5	39,100	61.1	214.2	36,300	63.9	216.1	34,600													75
80	53.2	206.0	36,000	58.3	211.2	33,400	61.3	213.5	31,800													80
85	50.1	202.0	33,300	55.5	208.0	30,800	58.5	210.6	29,300													85
90	47.0	197.6	30,900	52.5	204.3	28,600	55.6	207.3	27,200	60.5	210.7	24,900										90
95	43.6	192.6	28,800	49.5	200.3	26,600	52.7	203.7	25,300	57.8	207.7	23,100										95
100	40.0	187.1	26,900	46.2	195.8	24,800	49.6	199.7	23,600	54.9	204.4	21,500										100
105	36.1	180.7	25,200	42.8	190.7	23,200	46.4	195.2	22,000	51.9	200.7	20,100	56.9	204.0	18,200							105
110	31.9	173.3	23,600	39.2	184.9	21,800	43.0	190.2	20,700	48.8	196.6	18,800	54.0	200.6	17,000							110
115	27.0	164.4	22,200	35.2	178.4	20,500	39.4	184.5	19,400	45.6	191.9	17,700	51.0	196.7	16,000							115
120	21.2	153.2	20,900	30.9	170.7	19,300	35.5	177.9	18,300	42.1	186.7	16,600	47.9	192.5	15,000	53.0	195.7	13,400				120
125	13.0	137.0	19,700	25.8	161.4	18,200	31.1	170.3	17,200	38.4	180.8	15,700	44.6	187.7	14,100	49.9	191.8	12,600				125
130				19.7	149.5	17,200	26.2	161.2	16,300	34.4	174.0	14,800	41.0	182.3	13,300	46.7	187.3	11,800				130
135				10.5	130.9	16,200	20.1	149.5	15,400	29.9	166.1	13,900	37.3	176.1	12,500	43.3	182.3	11,100				135
140							11.2	131.6	14,500	24.7	156.4	13,200	33.1	169.0	11,800	39.7	176.7	10,500	45.3	181.1	9,200	140
145										18.2	143.7	12,400	28.4	160.6	11,100	35.8	170.2	9,900	41.8	175.8	8,600	145
150										7.4	121.7	11,700	22.9	150.2	10,500	31.5	162.7	9,300	38.1	169.8	8,100	150
155													15.7	136.0	9,900	26.6	153.7	8,800	34.1	163.0	7,600	155
160																20.6	142.3	8,300	29.5	154.9	7,200	160
165																12.2	125.3	7,800	24.3	145.1	6,700	165
170																			17.6	132.0	6,300	170
175																			5.7	107.7	5,900	175



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
105,000 Lb. Counterweight
360 Degree Rating

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

777 SERIES 1

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	235.9	49,900 *																			40
45	73.5	234.5	48,900 *																			45
50	71.2	233.0	48,000 *																			50
55	68.8	231.1	46,700 *																			55
60	66.5	229.1	44,800 *	70.7	231.8	47,900 *																60
65	64.0	226.8	43,000 *	68.3	229.9	43,500																65
70	61.6	224.2	41,200 *	65.9	227.8	39,500																70
75	59.0	221.4	38,900	63.5	225.4	36,000	66.1	227.1	34,300													75
80	56.4	218.2	35,800	61.0	222.8	33,100	63.6	224.8	31,500													80
85	53.7	214.7	33,100	58.5	219.9	30,600	61.2	222.1	29,100													85
90	50.9	210.9	30,700	55.8	216.7	28,300	58.6	219.2	26,900	63.0	222.1	24,600										90
95	48.0	206.6	28,600	53.1	213.1	26,300	56.0	216.0	25,000	60.5	219.4	22,800										95
100	45.0	201.8	26,700	50.3	209.2	24,600	53.3	212.5	23,300	57.9	216.4	21,300										100
105	41.8	196.6	25,000	47.4	204.8	23,000	50.5	208.6	21,800	55.3	213.1	19,900										105
110	38.4	190.6	23,400	44.3	199.9	21,600	47.6	204.2	20,400	52.6	209.5	18,600	57.2	212.7	16,800							110
115	34.7	183.9	22,000	41.1	194.5	20,300	44.5	199.4	19,200	49.7	205.5	17,400	54.5	209.3	15,700							115
120	30.6	176.1	20,800	37.6	188.4	19,100	41.3	194.0	18,100	46.8	201.0	16,400	51.7	205.5	14,700							120
125	25.9	166.8	19,600	33.8	181.5	18,000	37.8	188.0	17,000	43.7	196.0	15,400	48.9	201.4	13,800							125
130	20.3	155.1	18,500	29.6	173.4	17,000	34.1	181.1	16,100	40.4	190.5	14,500	45.9	196.8	13,000	50.7	200.6	11,500				130
135	12.5	138.1	17,500 *	24.8	163.6	16,100	29.9	173.0	15,200	36.9	184.2	13,700	42.7	191.7	12,300	47.8	196.3	10,800				135
140				18.9	151.2	15,200	25.1	163.4	14,400	33.0	177.1	12,900	39.4	185.9	11,600	44.8	191.5	10,200				140
145				10.0	131.8	14,400	19.3	151.2	13,600	28.7	168.7	12,200	35.7	179.4	10,900	41.5	186.2	9,600	46.5	190.1	8,300	145
150							10.8	132.6	12,800	23.7	158.6	11,600	31.8	171.9	10,300	38.1	180.2	9,000	43.4	185.1	7,800	150
155										17.5	145.3	10,900	27.3	163.1	9,700	34.4	173.4	8,500	40.1	179.5	7,300	155
160										7.1	122.3	10,300	22.0	152.2	9,200	30.3	165.5	8,000	36.6	173.2	6,900	160
165													15.1	137.3	8,700	25.5	156.0	7,600	32.7	166.0	6,500	165
170																19.8	144.1	7,100	28.4	157.5	6,100	170
175																11.7	126.4	6,700	23.3	147.2	5,700	175
180																			16.9	133.5	5,300	180



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
105,000 Lb. Counterweight
360 Degree Rating

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

777 SERIES 1

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	244.9	45,600 *																			45
50	72.6	243.5	44,800 *																			50
55	70.4	241.8	43,000 *																			55
60	68.2	239.9	41,200 *																			60
65	66.0	237.8	39,500 *	69.9	240.6	42,600 *																65
70	63.8	235.5	37,800 *	67.8	238.7	39,200																70
75	61.5	232.9	36,200 *	65.5	236.5	35,700	67.9	238.0	34,000													75
80	59.1	230.0	34,700 *	63.3	234.1	32,800	65.7	235.8	31,200													80
85	56.7	226.9	32,800	60.9	231.5	30,300	63.4	233.4	28,700													85
90	54.2	223.4	30,400	58.6	228.6	28,000	61.1	230.8	26,600													90
95	51.6	219.7	28,300	56.1	225.4	26,000	58.7	227.9	24,700	62.8	230.8	22,500										95
100	49.0	215.5	26,400	53.6	221.8	24,300	56.3	224.7	23,000	60.5	228.1	20,900										100
105	46.2	210.9	24,700	51.1	218.0	22,700	53.8	221.2	21,500	58.1	225.1	19,500										105
110	43.3	205.9	23,200	48.4	213.8	21,300	51.2	217.4	20,100	55.6	221.8	18,200										110
115	40.2	200.3	21,800	45.6	209.1	20,000	48.5	213.2	18,900	53.1	218.2	17,100	57.4	221.4	15,300							115
120	36.9	194.0	20,500	42.6	203.9	18,800	45.7	208.5	17,800	50.5	214.3	16,000	54.9	218.0	14,300							120
125	33.4	186.9	19,400	39.5	198.2	17,700	42.8	203.4	16,700	47.8	210.0	15,100	52.4	214.3	13,500							125
130	29.5	178.7	18,300	36.2	191.8	16,700	39.7	197.7	15,800	45.0	205.2	14,200	49.7	210.3	12,600							130
135	25.0	169.0	17,300	32.6	184.4	15,800	36.4	191.3	14,900	42.0	200.0	13,400	47.0	205.8	11,900	51.4	209.4	10,500				135
140	19.6	156.8	16,400	28.5	176.0	14,900	32.8	184.1	14,100	38.9	194.1	12,600	44.1	200.9	11,200	48.8	205.2	9,800				140
145	12.1	139.2	15,300 *	23.9	165.8	14,100	28.8	175.7	13,300	35.5	187.5	11,900	41.1	195.5	10,600	46.0	200.6	9,200				145
150				18.2	152.8	13,400	24.2	165.6	12,600	31.8	180.0	11,300	37.9	189.4	10,000	43.1	195.6	8,700	47.6	199.1	7,400	150
155				9.7	132.7	12,700	18.6	152.8	11,900	27.7	171.2	10,700	34.4	182.6	9,400	40.0	189.9	8,200	44.8	194.3	7,000	155
160							10.4	133.5	11,300	22.9	160.6	10,100	30.6	174.7	8,900	36.7	183.6	7,700	41.8	189.0	6,500	160
165										16.8	146.8	9,500	26.3	165.5	8,400	33.1	176.4	7,200	38.6	183.1	6,100	165
170										6.8	122.9	9,000	21.2	154.1	7,900	29.1	168.1	6,800	35.2	176.5	5,700	170
175													14.5	138.6	7,400	24.6	158.3	6,400	31.5	168.9	5,300	175
180																19.1	145.8	6,000	27.3	160.0	5,000	180
190																			16.2	134.9	4,300	190



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
105,000 Lb. Counterweight
360 Degree Rating

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

777 SERIES 1

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	255.3	42,600 *																			45
50	73.8	253.9	41,400 *																			50
55	71.8	252.4	39,800 *																			55
60	69.8	250.6	38,100 *																			60
65	67.7	248.7	36,500 *																			65
70	65.6	246.5	34,900 *	69.3	249.4	37,700 *																70
75	63.5	244.2	33,400 *	67.3	247.4	35,600																75
80	61.4	241.5	31,900 *	65.2	245.2	32,700	67.4	246.7	31,000													80
85	59.2	238.7	30,400 *	63.0	242.8	30,100	65.3	244.5	28,600													85
90	56.9	235.6	29,100 *	60.9	240.1	27,900	63.2	242.1	26,500													90
95	54.6	232.2	27,700 *	58.7	237.2	25,900	61.0	239.5	24,600													95
100	52.2	228.4	26,300	56.4	234.0	24,200	58.8	236.6	22,900	62.6	239.4	20,800										100
105	49.8	224.4	24,600	54.1	230.6	22,600	56.5	233.4	21,400	60.4	236.7	19,400										105
110	47.2	220.0	23,100	51.7	226.8	21,200	54.2	229.9	20,000	58.2	233.7	18,100										110
115	44.5	215.1	21,700	49.2	222.7	19,900	51.8	226.2	18,800	55.9	230.5	17,000										115
120	41.8	209.8	20,400	46.6	218.1	18,700	49.4	222.1	17,600	53.6	227.0	15,900	57.5	230.0	14,200							120
125	38.8	203.9	19,300	43.9	213.2	17,600	46.8	217.6	16,600	51.2	223.1	15,000	55.2	226.7	13,300							125
130	35.6	197.3	18,200	41.1	207.7	16,600	44.1	212.7	15,700	48.7	218.9	14,100	52.9	223.1	12,500							130
135	32.2	189.9	17,200	38.1	201.7	15,700	41.3	207.2	14,800	46.1	214.3	13,300	50.5	219.1	11,800							135
140	28.4	181.3	16,300	34.9	195.0	14,900	38.3	201.2	14,000	43.4	209.3	12,500	47.9	214.8	11,100	52.0	218.2	9,700				140
145	24.1	171.2	15,500	31.4	187.3	14,100	35.1	194.5	13,200	40.5	203.7	11,800	45.3	210.1	10,500	49.6	214.1	9,100				145
150	18.9	158.5	14,700	27.5	178.5	13,300	31.6	186.9	12,500	37.5	197.6	11,200	42.5	204.9	9,900	47.0	209.7	8,600				150
155	11.7	140.2	13,500 *	23.1	167.9	12,600	27.8	178.2	11,900	34.2	190.6	10,600	39.6	199.2	9,300	44.3	204.8	8,100				155
160				17.6	154.4	12,000	23.4	167.7	11,300	30.7	182.8	10,000	36.5	192.8	8,800	41.5	199.4	7,600	45.9	203.5	6,400	160
165				9.4	133.5	11,400	17.9	154.5	10,700	26.7	173.6	9,500	33.2	185.6	8,300	38.6	193.5	7,100	43.2	198.4	6,000	165
170							10.0	134.4	10,100	22.1	162.6	9,000	29.5	177.4	7,800	35.4	186.8	6,700	40.3	192.8	5,600	170
175										16.3	148.2	8,500	25.4	167.8	7,400	31.9	179.3	6,300	37.2	186.5	5,200	175
180										6.6	123.5	8,000	20.5	156.0	7,000	28.1	170.7	5,900	34.0	179.6	4,900	180
190																18.4	147.4	5,200	26.4	162.4	4,300	190



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
105,000 Lb. Counterweight
360 Degree Rating

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

777 SERIES 1

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	264.3	38,100 *																			50
55	73.0	262.9	36,400 *																			55
60	71.1	261.2	34,900 *																			60
65	69.2	259.4	33,300 *																			65
70	67.2	257.4	31,800 *	70.7	260.1	34,400 *																70
75	65.3	255.2	30,400 *	68.7	258.2	33,000 *																75
80	63.3	252.8	28,900 *	66.8	256.2	31,500 *																80
85	61.3	250.2	27,500 *	64.8	253.9	29,800	66.9	255.5	28,300													85
90	59.2	247.3	26,200 *	62.9	251.5	27,600	65.0	253.2	26,100													90
95	57.1	244.2	24,900 *	60.8	248.8	25,600	63.0	250.8	24,300													95
100	54.9	240.9	23,700 *	58.7	245.9	23,900	60.9	248.1	22,600													100
105	52.7	237.2	22,500 *	56.6	242.7	22,300	58.9	245.2	21,100	62.4	248.1	19,000										105
110	50.4	233.2	21,400 *	54.5	239.3	20,900	56.8	242.1	19,700	60.4	245.4	17,800										110
115	48.1	228.9	20,300 *	52.2	235.6	19,600	54.6	238.7	18,500	58.3	242.4	16,600										115
120	45.6	224.3	19,300 *	49.9	231.5	18,400	52.4	235.0	17,300	56.2	239.2	15,600										120
125	43.1	219.1	18,300 *	47.5	227.2	17,300	50.1	230.9	16,300	54.0	235.7	14,600	57.7	238.7	13,000							125
130	40.4	213.5	17,400 *	45.1	222.4	16,300	47.7	226.6	15,400	51.8	231.9	13,800	55.5	235.4	12,200							130
135	37.5	207.3	16,500 *	42.5	217.2	15,400	45.2	221.8	14,500	49.5	227.8	12,900	53.3	231.8	11,400							135
140	34.5	200.5	15,700 *	39.8	211.4	14,600	42.6	216.6	13,700	47.1	223.4	12,200	51.1	228.0	10,700							140
145	31.2	192.7	14,900 *	36.9	205.1	13,800	39.9	210.9	12,900	44.6	218.5	11,500	48.7	223.7	10,100	52.5	227.0	8,700				145
150	27.5	183.8	14,200 *	33.8	198.0	13,100	37.0	204.6	12,200	41.9	213.2	10,900	46.3	219.2	9,500	50.3	223.0	8,200				150
155	23.3	173.3	13,600 *	30.4	190.1	12,400	34.0	197.6	11,600	39.2	207.3	10,300	43.8	214.2	9,000	47.9	218.7	7,700				155
160	18.3	160.1	13,000 *	26.6	180.9	11,700	30.6	189.7	11,000	36.3	200.9	9,700	41.1	208.7	8,400	45.4	213.9	7,200				160
165	11.3	141.2	11,700 *	22.3	169.9	11,100	26.9	180.6	10,400	33.1	193.7	9,200	38.3	202.7	8,000	42.9	208.8	6,800	46.9	212.5	5,600	165
170				17.0	155.9	10,600	22.6	169.8	9,900	29.7	185.5	8,700	35.3	196.0	7,500	40.2	203.1	6,300	44.4	207.6	5,200	170
175				9.1	134.3	10,000	17.4	156.0	9,300	25.8	176.0	8,200	32.1	188.5	7,100	37.3	196.9	5,900	41.7	202.3	4,900	175
180							9.7	135.2	8,800	21.4	164.5	7,700	28.6	180.0	6,600	34.2	190.0	5,600	39.0	196.4	4,500	180
190										6.4	124.0	6,900	19.8	157.7	5,900	27.2	173.1	4,900				190
200																17.9	149.0	4,200				200



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
105,000 Lb. Counterweight
360 Degree Rating

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

777 SERIES 1

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			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib 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	274.7	34,300 *																50
55	74.0	273.3	33,600 *																55
60	72.2	271.8	32,200 *																60
65	70.4	270.1	30,700 *																65
70	68.6	268.2	29,300 *																70
75	66.8	266.2	27,900 *	70.0	268.9	30,300 *													75
80	65.0	263.9	26,500 *	68.2	267.0	28,900 *													80
85	63.1	261.5	25,200 *	66.4	264.9	27,600 *													85
90	61.2	258.9	23,900 *	64.6	262.6	26,300 *	66.5	264.2	25,900										90
95	59.3	256.0	22,700 *	62.7	260.2	25,000 *	64.7	261.9	24,000										95
100	57.3	252.9	21,500 *	60.8	257.5	23,600	62.8	259.5	22,300										100
105	55.2	249.6	20,300 *	58.8	254.6	22,100	60.9	256.8	20,800										105
110	53.2	246.0	19,300 *	56.8	251.4	20,600	58.9	253.9	19,400	62.3	256.8	17,500							110
115	51.0	242.1	18,200 *	54.8	248.0	19,300	57.0	250.8	18,200	60.4	254.0	16,400							115
120	48.8	237.9	17,200 *	52.7	244.3	18,200	54.9	247.4	17,100	58.4	251.1	15,300							120
125	46.6	233.3	16,300 *	50.6	240.4	17,100	52.8	243.7	16,100	56.4	247.9	14,400							125
130	44.2	228.4	15,400 *	48.3	236.1	16,100	50.7	239.8	15,100	54.4	244.4	13,500	57.8	247.4	11,900				130
135	41.7	223.0	14,600 *	46.0	231.5	15,200	48.5	235.5	14,300	52.3	240.7	12,700	55.8	244.1	11,200				135
140	39.1	217.1	13,700 *	43.7	226.5	14,400	46.2	230.9	13,400	50.1	236.7	11,900	53.8	240.6	10,500				140
145	36.4	210.7	13,000 *	41.2	221.0	13,600	43.8	225.9	12,700	47.9	232.3	11,300	51.6	236.8	9,800				145
150	33.4	203.5	12,300 *	38.5	215.0	12,800	41.3	220.5	12,000	45.6	227.6	10,600	49.5	232.6	9,200	53.0	235.7	7,900	150
155	30.2	195.4	11,500 *	35.7	208.4	12,200	38.7	214.5	11,400	43.2	222.5	10,000	47.2	228.2	8,700	50.9	231.8	7,400	155
160	26.7	186.2	10,700 *	32.7	201.0	11,500	35.9	207.9	10,700	40.6	217.0	9,500	44.9	223.4	8,200	48.7	227.6	6,900	160
165	22.6	175.3	9,800 *	29.5	192.7	10,900	32.9	200.6	10,200	38.0	210.8	8,900	42.4	218.1	7,700	46.4	223.0	6,500	165
170	17.8	161.7	9,100 *	25.8	183.2	10,400	29.7	192.4	9,600	35.1	204.1	8,400	39.9	212.4	7,200	44.0	218.1	6,100	170
175	10.9	142.2	8,400 *	21.7	171.8	9,700 *	26.1	183.0	9,100	32.1	196.6	8,000	37.1	206.1	6,800	41.5	212.6	5,700	175
180				16.5	157.4	8,900 *	21.9	171.7	8,700	28.8	188.1	7,500	34.3	199.2	6,400	38.9	206.7	5,300	180
190							9.4	136.1	7,700	20.7	166.4	6,700	27.7	182.5	5,700	33.2	193.0	4,600	190
200										6.2	124.6	5,900	19.2	159.5	5,000	26.4	175.5	4,000	200



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
105,000 Lb. Counterweight
360 Degree Rating

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

777 SERIES 1

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	184.7	98,200 *b																			35
40	63.2	182.4	89,600 b																			40
45	58.5	179.6	76,700	67.5	183.7	71,300 b																45
50	53.6	176.2	66,800	63.0	181.4	62,100 b																50
55	48.3	172.2	59,100	58.3	178.6	54,900	63.7	180.9	52,400 b													55
60	42.6	167.2	52,900	53.3	175.2	49,100	59.1	178.2	46,900													60
65	36.1	161.1	47,800	48.1	171.1	44,400	54.2	174.9	42,300													65
70	28.4	153.2	43,500	42.3	166.1	40,400	48.9	170.9	38,500	58.7	175.7	35,400										70
75	18.0	141.6	39,800	35.8	160.0	37,000	43.3	166.1	35,200	53.7	172.3	32,400										75
80				28.0	151.9	34,000	36.9	160.1	32,400	48.5	168.3	29,800	58.0	172.2	27,200							80
85				17.4	140.0	31,400	29.4	152.5	30,000	42.7	163.4	27,500	53.0	168.8	25,100							85
90							19.5	141.5	27,800	36.3	157.3	25,500	47.7	164.7	23,200							90
95										28.7	149.5	23,700	41.9	159.6	21,600	52.0	164.2	19,500				95
100										18.4	138.0	22,100	35.4	153.4	20,200	46.6	159.9	18,200				100
105													27.5	145.2	18,800	40.7	154.7	17,000				105
110													16.6	132.8	17,600	34.0	148.1	15,900	45.1	154.0	14,200	110
115																25.7	139.4	14,900	39.0	148.5	13,300	115
120																13.5	125.4	14,000	31.9	141.4	12,500	120
125																			23.1	131.8	11,700	125
130																			7.5	113.5	10,900	130



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
105,000 Lb. Counterweight
360 Degree Rating

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

777 SERIES 1

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	195.4	87,000 *b																			35
40	66.8	193.4	83,800 *b																			40
45	62.8	191.1	76,400	70.4	194.4	71,000 b																45
50	58.7	188.3	66,600	66.6	192.4	61,800 b																50
55	54.4	184.9	58,900	62.6	190.1	54,600	67.2	191.9	52,100 b													55
60	49.9	181.1	52,700	58.5	187.3	48,800	63.3	189.6	46,500													60
65	45.0	176.5	47,600	54.2	183.9	44,100	59.2	186.8	42,000													65
70	39.7	171.0	43,300	49.7	180.0	40,100	54.9	183.6	38,200	62.9	187.1	35,000										70
75	33.7	164.3	39,600	44.8	175.4	36,700	50.4	179.8	34,900	58.8	184.3	32,000										75
80	26.6	155.7	36,500	39.4	169.9	33,800	45.6	175.3	32,100	54.5	181.1	29,400										80
85	16.9	143.1	33,700	33.4	163.1	31,200	40.3	169.9	29,700	50.0	177.2	27,100										85
90				26.2	154.3	28,900	34.4	163.4	27,500	45.2	172.6	25,200	53.9	177.5	22,800							90
95				16.3	141.5	26,900	27.5	155.0	25,600	39.8	167.2	23,400	49.4	173.6	21,200							95
100							18.3	143.2	23,900	33.9	160.5	21,800	44.5	168.9	19,800							100
105										26.8	151.9	20,400	39.1	163.3	18,500	48.4	168.9	16,600				105
110										17.2	139.6	19,100	33.0	156.4	17,300	43.5	164.1	15,500				110
115													25.7	147.5	16,200	38.0	158.3	14,500	47.1	163.1	12,900	115
120													15.5	134.2	15,200	31.7	151.1	13,600	42.0	158.0	12,100	120
125																24.0	141.6	12,800	36.4	151.9	11,300	125
130																12.6	126.5	12,000	29.8	144.2	10,600	130
135																			21.6	133.8	10,000	135
140																			7.0	114.1	9,300	140



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
105,000 Lb. Counterweight
360 Degree Rating

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

777 SERIES 1

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	205.9	80,200 *b																			35
40	69.5	204.2	77,300 *b																			40
45	66.0	202.1	74,000 *																			45
50	62.5	199.7	66,400	69.3	203.2	61,600 b																50
55	58.8	196.9	58,700	65.9	201.2	54,400																55
60	55.1	193.7	52,500	62.3	198.7	48,600	66.4	200.6	46,300													60
65	51.1	189.9	47,400	58.7	195.9	43,900	62.9	198.2	41,700													65
70	46.8	185.5	43,100	54.9	192.6	39,900	59.3	195.5	37,900													70
75	42.3	180.5	39,500	50.9	188.9	36,500	55.5	192.3	34,700	62.6	195.8	31,700										75
80	37.3	174.5	36,300	46.6	184.5	33,600	51.5	188.6	31,900	59.0	193.0	29,100										80
85	31.7	167.2	33,600	42.1	179.4	31,000	47.4	184.3	29,500	55.2	189.8	26,900										85
90	25.0	158.0	31,200	37.1	173.3	28,800	42.9	179.3	27,300	51.2	186.0	24,900										90
95	15.9	144.5	29,000	31.4	166.0	26,800	37.9	173.5	25,400	47.0	181.7	23,200	54.6	186.3	21,000							95
100				24.7	156.6	25,000	32.4	166.4	23,800	42.4	176.6	21,600	50.6	182.4	19,500							100
105				15.4	142.9	23,400	25.9	157.4	22,200	37.5	170.7	20,200	46.4	178.0	18,200							105
110							17.2	144.7	20,800	31.9	163.4	19,000	41.8	172.9	17,100	49.8	177.8	15,200				110
115										25.2	154.3	17,800	36.8	166.7	16,000	45.5	173.2	14,300				115
120										16.2	141.0	16,700	31.1	159.3	15,100	40.9	167.9	13,400				120
125													24.2	149.8	14,200	35.7	161.6	12,600	44.3	167.3	11,100	125
130													14.6	135.6	13,300	29.8	153.8	11,800	39.5	161.7	10,400	130
135																22.6	143.7	11,100	34.2	155.1	9,700	135
140																11.9	127.6	10,500	28.1	146.8	9,200	140
145																			20.3	135.7	8,600	145
150																			6.6	114.7	8,000	150



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
105,000 Lb. Counterweight
360 Degree Rating

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

777 SERIES 1

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	216.3	73,700 *b																			35
40	71.6	214.8	71,200 *b																			40
45	68.6	213.0	68,800 *																			45
50	65.4	210.8	65,900 *																			50
55	62.3	208.4	58,500	68.4	212.0	54,100																55
60	59.0	205.6	52,300	65.3	209.9	48,300																60
65	55.6	202.4	47,200	62.1	207.4	43,500	65.8	209.3	41,400													65
70	52.0	198.7	42,900	58.8	204.6	39,600	62.6	206.9	37,600													70
75	48.3	194.5	39,200	55.4	201.3	36,200	59.4	204.1	34,300													75
80	44.3	189.7	36,100	51.8	197.7	33,300	56.0	201.0	31,600	62.3	204.5	28,700										80
85	40.0	184.2	33,400	48.1	193.5	30,700	52.4	197.4	29,100	59.1	201.7	26,500										85
90	35.4	177.8	31,000	44.1	188.7	28,500	48.7	193.3	27,000	55.7	198.5	24,500										90
95	30.1	170.0	28,900	39.8	183.1	26,500	44.8	188.6	25,100	52.1	194.8	22,800										95
100	23.7	160.1	26,900	35.1	176.6	24,800	40.6	183.1	23,400	48.4	190.7	21,300	55.2	195.0	19,100							100
105	15.1	145.9	25,200	29.8	168.7	23,200	35.9	176.8	21,900	44.4	185.9	19,900	51.6	191.3	17,800							105
110				23.4	158.7	21,700	30.7	169.2	20,600	40.2	180.4	18,600	47.9	187.0	16,700							110
115				14.6	144.2	20,400	24.5	159.6	19,300	35.5	174.0	17,500	43.9	182.2	15,600	50.9	186.6	13,900				115
120							16.3	146.2	18,200	30.2	166.2	16,400	39.6	176.6	14,700	47.1	182.3	13,000				120
125										23.9	156.4	15,500	34.8	170.0	13,800	43.1	177.3	12,200				125
130										15.4	142.4	14,600	29.4	162.0	13,000	38.7	171.5	11,500	46.0	176.4	9,900	130
135													22.9	151.8	12,200	33.8	164.7	10,800	41.9	171.2	9,300	135
140													13.9	136.8	11,500	28.3	156.4	10,100	37.4	165.2	8,800	140
145																21.5	145.6	9,500	32.4	158.0	8,200	145
150																11.3	128.6	8,900	26.6	149.2	7,700	150
155																			19.3	137.4	7,200	155
160																			6.2	115.3	6,700	160



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
105,000 Lb. Counterweight
360 Degree Rating

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

777 SERIES 1

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	226.6	67,900 *b																			35
40	73.3	225.3	65,800 *																			40
45	70.6	223.6	63,600 *																			45
50	67.8	221.7	61,100 *																			50
55	65.0	219.6	58,400	70.5	222.7	54,000																55
60	62.1	217.1	52,200	67.7	220.8	48,200																60
65	59.1	214.2	47,100	64.8	218.6	43,500																65
70	56.0	211.1	42,800	61.9	216.1	39,500	65.3	218.0	37,500													70
75	52.8	207.5	39,200	58.9	213.2	36,100	62.4	215.6	34,300													75
80	49.4	203.4	36,100	55.8	210.0	33,200	59.4	212.8	31,500													80
85	45.9	198.9	33,400	52.6	206.4	30,700	56.3	209.7	29,100	62.1	213.1	26,400										85
90	42.1	193.7	31,000	49.3	202.4	28,500	53.1	206.1	27,000	59.1	210.3	24,500										90
95	38.1	187.8	28,900	45.7	197.8	26,500	49.8	202.2	25,100	56.1	207.2	22,700										95
100	33.7	180.9	27,000	42.0	192.6	24,700	46.3	197.7	23,400	52.9	203.6	21,200										100
105	28.6	172.6	25,300	37.9	186.6	23,200	42.6	192.6	21,900	49.5	199.6	19,800	55.6	203.7	17,800							105
110	22.6	162.2	23,700	33.4	179.7	21,700	38.6	186.7	20,500	46.0	195.0	18,600	52.4	200.0	16,600							110
115	14.4	147.2	22,300	28.4	171.3	20,400	34.2	179.9	19,300	42.3	189.9	17,400	49.1	196.0	15,600							115
120				22.3	160.7	19,300	29.3	171.9	18,200	38.2	184.0	16,400	45.5	191.3	14,600	51.8	195.4	12,900				120
125				13.9	145.4	18,100	23.4	161.7	17,100	33.8	177.1	15,400	41.7	186.1	13,800	48.4	191.3	12,100				125
130							15.5	147.6	16,200	28.8	168.8	14,600	37.7	180.1	13,000	44.8	186.5	11,400				130
135										22.8	158.5	13,700	33.2	173.0	12,200	41.0	181.1	10,700	47.4	185.4	9,300	135
140										14.7	143.7	13,000	28.0	164.6	11,500	36.8	174.9	10,100	43.8	180.5	8,700	140
145													21.9	153.8	10,900	32.2	167.7	9,500	39.9	175.0	8,200	145
150													13.2	138.0	10,300	26.9	158.9	9,000	35.6	168.5	7,700	150
155																20.5	147.5	8,400	30.9	160.9	7,200	155
160																10.8	129.6	7,900	25.4	151.5	6,800	160
165																			18.3	139.1	6,400	165
170																			5.9	115.8	5,900	170



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
105,000 Lb. Counterweight
360 Degree Rating

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

777 SERIES 1

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	235.7	60,600 *																			40
45	72.3	234.2	58,700 *																			45
50	69.7	232.5	56,500 *																			50
55	67.2	230.5	54,200 *																			55
60	64.6	228.3	52,000	69.6	231.5	47,900																60
65	61.9	225.7	46,900	67.1	229.5	43,100																65
70	59.1	222.9	42,600	64.4	227.3	39,200	67.5	229.0	37,100													70
75	56.3	219.7	39,000	61.8	224.7	35,800	64.9	226.7	33,900													75
80	53.4	216.2	35,800	59.0	221.9	32,900	62.2	224.3	31,100													80
85	50.4	212.3	33,100	56.2	218.7	30,400	59.5	221.5	28,700													85
90	47.2	207.9	30,700	53.3	215.2	28,200	56.6	218.3	26,600	62.0	221.8	24,100										90
95	43.8	203.0	28,600	50.2	211.2	26,200	53.7	214.9	24,700	59.2	219.0	22,400										95
100	40.3	197.5	26,700	47.0	206.8	24,400	50.7	211.0	23,100	56.4	215.8	20,800										100
105	36.4	191.1	25,000	43.7	201.9	22,900	47.6	206.7	21,600	53.5	212.3	19,500										105
110	32.2	183.8	23,500	40.1	196.3	21,500	44.2	201.8	20,200	50.4	208.4	18,200	56.0	212.4	16,200							110
115	27.4	175.1	22,100	36.2	190.0	20,200	40.7	196.4	19,000	47.3	204.1	17,100	53.1	208.8	15,200							115
120	21.6	164.1	20,800	32.0	182.6	19,000	36.9	190.1	17,900	43.9	199.2	16,100	50.0	204.8	14,300							120
125	13.8	148.4	19,600	27.1	173.8	17,900	32.7	183.0	16,900	40.4	193.6	15,100	46.8	200.4	13,400	52.5	204.2	11,700				125
130				21.3	162.7	16,900	28.0	174.4	15,900	36.5	187.3	14,200	43.5	195.4	12,600	49.4	200.2	11,000				130
135				13.3	146.6	16,000	22.4	163.8	15,000	32.3	180.0	13,400	39.9	189.8	11,900	46.2	195.6	10,300				135
140							14.9	148.9	14,200	27.5	171.4	12,700	36.0	183.4	11,200	42.8	190.5	9,700				140
145										21.8	160.5	12,000	31.7	175.9	10,500	39.1	184.8	9,100	45.3	189.7	7,800	145
150										14.0	145.0	11,300	26.8	167.0	10,000	35.2	178.2	8,600	41.8	184.5	7,300	150
155													20.9	155.7	9,400	30.8	170.5	8,100	38.1	178.5	6,800	155
160													12.6	139.1	8,900	25.8	161.2	7,600	34.1	171.6	6,400	160
165																19.6	149.2	7,200	29.5	163.6	6,000	165
170																10.3	130.5	6,700	24.3	153.7	5,600	170
175																			17.6	140.6	5,200	175
180																			5.7	116.3	4,800	180

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
105,000 Lb. Counterweight
360 Degree Rating

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

777 SERIES 1

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	246.0	49,200 *																			40
45	73.7	244.6	48,200 *																			45
50	71.4	243.1	47,400 *																			50
55	69.0	241.3	46,500 *																			55
60	66.6	239.2	44,700 *																			60
65	64.2	236.9	42,900 *	68.9	240.3	42,900																65
70	61.7	234.4	41,200 *	66.5	238.3	38,900																70
75	59.2	231.6	38,700	64.1	236.0	35,600	66.9	237.7	33,600													75
80	56.6	228.4	35,600	61.6	233.4	32,700	64.5	235.4	30,900													80
85	53.9	225.0	32,900	59.1	230.6	30,100	62.0	232.9	28,500													85
90	51.1	221.1	30,500	56.5	227.4	27,900	59.5	230.1	26,400													90
95	48.3	216.9	28,400	53.8	223.9	26,000	56.9	227.0	24,500	61.8	230.5	22,100										95
100	45.2	212.2	26,500	51.0	220.1	24,200	54.2	223.6	22,800	59.3	227.7	20,600										100
105	42.0	206.9	24,800	48.1	215.8	22,700	51.5	219.8	21,300	56.7	224.5	19,200										105
110	38.6	201.0	23,300	45.1	211.1	21,200	48.6	215.6	20,000	54.0	221.1	18,000										110
115	34.9	194.4	21,900	41.9	205.8	20,000	45.6	211.0	18,800	51.2	217.2	16,800	56.3	221.0	14,900							115
120	30.9	186.6	20,700	38.5	199.9	18,800	42.4	205.8	17,700	48.3	213.0	15,800	53.6	217.5	14,000							120
125	26.3	177.5	19,500	34.8	193.2	17,700	39.0	200.0	16,600	45.3	208.3	14,900	50.8	213.7	13,100							125
130	20.8	166.0	18,400	30.7	185.4	16,700	35.4	193.4	15,700	42.1	203.1	14,000	47.9	209.4	12,300							130
135	13.2	149.6	17,400	26.1	176.1	15,800	31.4	185.8	14,800	38.7	197.2	13,200	44.9	204.6	11,600	50.3	209.0	10,000				135
140				20.5	164.5	15,000	26.9	176.8	14,000	35.1	190.6	12,500	41.7	199.3	10,900	47.4	204.7	9,400				140
145				12.8	147.8	14,100	21.5	165.7	13,300	31.0	182.9	11,800	38.2	193.3	10,300	44.3	199.8	8,900				145
150							14.3	150.2	12,600	26.4	173.8	11,100	34.5	186.6	9,700	41.0	194.4	8,300	46.5	198.8	7,000	150
155										20.9	162.4	10,500	30.4	178.7	9,200	37.6	188.3	7,800	43.4	193.8	6,500	155
160										13.5	146.2	9,900	25.7	169.3	8,700	33.8	181.3	7,400	40.1	188.2	6,100	160
165													20.1	157.5	8,200	29.6	173.2	6,900	36.6	181.9	5,700	165
170													12.1	140.2	7,700	24.7	163.4	6,500	32.7	174.6	5,400	170
175																18.8	150.9	6,100	28.4	166.2	5,000	175
180																9.9	131.4	5,700	23.3	155.8	4,700	180
190																			5.5	116.8	4,000	190



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
105,000 Lb. Counterweight
360 Degree Rating

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

777 SERIES 1

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	255.0	45,000 *																			45
50	72.7	253.6	44,200 *																			50
55	70.6	251.9	42,800 *																			55
60	68.4	250.1	41,100 *																			60
65	66.2	248.0	39,400 *	70.5	251.0	42,600																65
70	63.9	245.6	37,800 *	68.3	249.1	38,600																70
75	61.6	243.1	36,200 *	66.1	247.0	35,200																75
80	59.3	240.2	34,700 *	63.8	244.7	32,300	66.4	246.4	30,500													80
85	56.9	237.1	32,600	61.5	242.1	29,800	64.2	244.1	28,100													85
90	54.4	233.7	30,300	59.2	239.2	27,600	61.9	241.6	26,000													90
95	51.8	229.9	28,100	56.7	236.1	25,700	59.5	238.8	24,200													95
100	49.2	225.8	26,300	54.3	232.7	23,900	57.1	235.7	22,500	61.7	239.1	20,200										100
105	46.4	221.3	24,600	51.7	228.9	22,300	54.7	232.3	21,000	59.3	236.3	18,800										105
110	43.5	216.3	23,100	49.0	224.7	20,900	52.1	228.6	19,700	56.9	233.2	17,600										110
115	40.4	210.7	21,700	46.3	220.2	19,700	49.5	224.5	18,500	54.4	229.8	16,500										115
120	37.2	204.5	20,400	43.4	215.2	18,500	46.7	220.0	17,300	51.9	226.0	15,500	56.6	229.7	13,600							120
125	33.6	197.4	19,300	40.3	209.6	17,400	43.8	215.1	16,300	49.2	221.9	14,500	54.1	226.3	12,700							125
130	29.7	189.3	18,200	37.0	203.3	16,400	40.8	209.6	15,400	46.5	217.4	13,700	51.5	222.5	12,000							130
135	25.3	179.8	17,200	33.5	196.2	15,500	37.6	203.5	14,500	43.6	212.4	12,900	48.9	218.3	11,200							135
140	20.0	167.8	16,300	29.6	188.1	14,700	34.1	196.5	13,700	40.5	206.9	12,100	46.1	213.7	10,600	51.0	217.9	9,000				140
145	12.7	150.8	15,400	25.1	178.4	13,900	30.2	188.6	13,000	37.3	200.7	11,500	43.2	208.7	9,900	48.3	213.6	8,500				145
150				19.7	166.3	13,200	25.9	179.2	12,300	33.7	193.7	10,800	40.1	203.0	9,400	45.5	208.9	7,900				150
155				12.3	148.9	12,500	20.7	167.6	11,600	29.9	185.6	10,200	36.8	196.7	8,800	42.6	203.8	7,500	47.6	207.8	6,100	155
160							13.8	151.4	11,000	25.4	176.1	9,700	33.2	189.6	8,300	39.5	198.0	7,000	44.8	203.0	5,700	160
165										20.2	164.2	9,100	29.3	181.4	7,800	36.1	191.6	6,600	41.8	197.7	5,300	165
170										13.0	147.4	8,600	24.8	171.6	7,400	32.5	184.3	6,200	38.6	191.8	5,000	170
175													19.3	159.3	7,000	28.5	175.8	5,800	35.2	185.1	4,600	175
180													11.7	141.3	6,500	23.8	165.6	5,400	31.5	177.5	4,300	180
190																9.5	132.2	4,700				190

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
105,000 Lb. Counterweight
360 Degree Rating

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

777 SERIES 1

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			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib 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	265.4	42,000 *																45
50	73.9	264.0	41,200 *																50
55	71.9	262.5	39,600 *																55
60	69.9	260.8	38,000 *																60
65	67.8	258.8	36,400 *																65
70	65.8	256.7	34,800 *	69.8	259.8	37,900 *													70
75	63.7	254.3	33,300 *	67.8	257.9	35,100													75
80	61.5	251.7	31,900 *	65.7	255.7	32,200													80
85	59.3	248.9	30,500 *	63.6	253.3	29,700	66.0	255.2	28,000										85
90	57.1	245.8	29,100 *	61.4	250.7	27,500	63.9	252.8	25,900										90
95	54.8	242.4	27,800 *	59.2	247.9	25,500	61.8	250.3	24,000										95
100	52.4	238.7	26,200	57.0	244.8	23,800	59.6	247.4	22,400										100
105	49.9	234.7	24,500	54.6	241.4	22,200	57.3	244.4	20,900	61.6	247.8	18,700							105
110	47.4	230.3	23,000	52.3	237.7	20,800	55.0	241.0	19,600	59.4	245.0	17,500							110
115	44.7	225.5	21,600	49.8	233.6	19,600	52.7	237.4	18,300	57.1	241.9	16,400							115
120	42.0	220.2	20,300	47.3	229.2	18,400	50.2	233.4	17,200	54.8	238.5	15,300							120
125	39.0	214.3	19,200	44.6	224.4	17,300	47.7	229.0	16,200	52.4	234.8	14,400	56.8	238.4	12,600				125
130	35.9	207.8	18,100	41.8	219.1	16,300	45.0	224.3	15,300	50.0	230.8	13,600	54.5	235.0	11,800				130
135	32.5	200.4	17,100	38.9	213.2	15,400	42.3	219.0	14,400	47.5	226.4	12,800	52.1	231.3	11,100				135
140	28.7	192.0	16,200	35.7	206.6	14,600	39.4	213.2	13,600	44.8	221.6	12,000	49.7	227.2	10,500				140
145	24.4	182.0	15,400	32.3	199.2	13,800	36.2	206.8	12,900	42.0	216.3	11,400	47.1	222.8	9,800	51.7	226.7	8,400	145
150	19.3	169.5	14,600	28.5	190.7	13,100	32.9	199.5	12,200	39.1	210.5	10,700	44.4	217.9	9,300	49.2	222.5	7,800	150
155	12.3	151.8	13,700 *	24.2	180.6	12,400	29.2	191.2	11,600	36.0	204.0	10,100	41.6	212.5	8,700	46.6	218.0	7,400	155
160				19.0	168.0	11,800	25.0	181.4	11,000	32.6	196.6	9,600	38.7	206.6	8,200	43.9	213.1	6,900	160
165				11.9	149.9	11,200	20.0	169.4	10,400	28.8	188.2	9,100	35.5	200.0	7,800	41.1	207.6	6,500	165
170							13.3	152.6	9,800	24.6	178.3	8,600	32.1	192.5	7,300	38.1	201.6	6,100	170
175										19.5	165.9	8,100	28.3	183.9	6,900	34.9	194.8	5,700	175
180										12.5	148.5	7,600	23.9	173.7	6,500	31.4	187.1	5,300	180
190													11.3	142.3	5,700	23.0	167.7	4,700	190
200																9.2	133.0	4,000	200



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
105,000 Lb. Counterweight
360 Degree Rating

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

777 SERIES 1

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			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib 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	274.4	37,900 *																50
55	73.1	273.0	36,300 *																55
60	71.2	271.4	34,800 *																60
65	69.3	269.6	33,300 *																65
70	67.4	267.6	31,800 *																70
75	65.4	265.4	30,300 *	69.2	268.6	33,200 *													75
80	63.4	263.0	28,900 *	67.3	266.6	31,800 *													80
85	61.4	260.4	27,600 *	65.3	264.4	29,400	67.6	266.0	27,700										85
90	59.4	257.5	26,200 *	63.3	262.0	27,200	65.6	263.9	25,600										90
95	57.2	254.5	25,000 *	61.3	259.4	25,200	63.7	261.5	23,700										95
100	55.1	251.1	23,700 *	59.3	256.6	23,500	61.7	258.9	22,100										100
105	52.9	247.5	22,600 *	57.2	253.5	21,900	59.6	256.1	20,600										105
110	50.6	243.5	21,400 *	55.0	250.1	20,500	57.5	253.0	19,200	61.5	256.5	17,100							110
115	48.2	239.2	20,400 *	52.8	246.4	19,300	55.3	249.7	18,000	59.4	253.6	16,000							115
120	45.8	234.6	19,300 *	50.5	242.5	18,100	53.1	246.1	16,900	57.3	250.6	15,000							120
125	43.2	229.5	18,400 *	48.1	238.2	17,000	50.9	242.2	15,900	55.2	247.2	14,100							125
130	40.6	223.9	17,500 *	45.7	233.5	16,100	48.5	238.0	15,000	52.9	243.6	13,200	57.0	247.1	11,500				130
135	37.7	217.8	16,600 *	43.1	228.4	15,200	46.1	233.4	14,100	50.7	239.7	12,400	54.9	243.7	10,800				135
140	34.7	211.0	15,800 *	40.4	222.8	14,300	43.5	228.3	13,300	48.3	235.4	11,700	52.6	240.0	10,100				140
145	31.4	203.3	15,000 *	37.6	216.6	13,600	40.9	222.8	12,600	45.9	230.7	11,000	50.4	236.1	9,500				145
150	27.8	194.5	14,300 *	34.5	209.8	12,800	38.1	216.8	11,900	43.3	225.7	10,400	48.0	231.7	8,900	52.2	235.5	7,500	150
155	23.7	184.1	13,600 *	31.2	202.0	12,200	35.1	210.0	11,300	40.6	220.1	9,800	45.5	227.0	8,400	49.9	231.4	7,000	155
160	18.7	171.2	12,900	27.6	193.2	11,500	31.8	202.4	10,700	37.8	214.0	9,300	43.0	221.9	7,900	47.5	227.0	6,500	160
165	11.9	152.9	11,900 *	23.4	182.7	10,900	28.2	193.8	10,100	34.8	207.2	8,700	40.3	216.3	7,400	45.0	222.2	6,100	165
170				18.4	169.6	10,400	24.2	183.6	9,600	31.5	199.5	8,300	37.4	210.1	7,000	42.4	217.0	5,700	170
175				11.5	150.9	9,800	19.3	171.1	9,100	27.9	190.7	7,800	34.4	203.2	6,600	39.7	211.3	5,300	175
180							12.9	153.8	8,600	23.8	180.4	7,400	31.0	195.4	6,200	36.8	204.9	5,000	180
190										12.1	149.6	6,500	23.2	175.8	5,400	30.4	189.9	4,300	190
200													10.9	143.2	4,700				200

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
105,000 Lb. Counterweight
360 Degree Rating

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

777 SERIES 1

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			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib 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	284.7	33,800 *																50
55	74.1	283.4	33,500 *																55
60	72.3	281.9	32,000 *																60
65	70.6	280.2	30,600 *																65
70	68.8	278.4	29,200 *																70
75	67.0	276.3	27,800 *	70.5	279.3	30,500 *													75
80	65.1	274.1	26,500 *	68.7	277.4	29,100 *													80
85	63.2	271.7	25,200 *	66.9	275.4	27,800 *													85
90	61.3	269.1	23,900 *	65.0	273.1	26,600 *	67.2	274.8	25,300										90
95	59.4	266.2	22,700 *	63.1	270.7	25,000	65.3	272.6	23,500										95
100	57.4	263.1	21,500 *	61.2	268.1	23,300	63.5	270.2	21,800										100
105	55.4	259.8	20,400 *	59.3	265.2	21,700	61.6	267.6	20,300										105
110	53.3	256.2	19,300 *	57.3	262.1	20,300	59.6	264.8	19,000										110
115	51.2	252.4	18,300 *	55.3	258.8	19,000	57.6	261.7	17,800	61.4	265.1	15,700							115
120	49.0	248.2	17,300 *	53.2	255.2	17,900	55.6	258.4	16,700	59.4	262.3	14,700							120
125	46.7	243.6	16,400 *	51.1	251.3	16,800	53.6	254.9	15,700	57.5	259.2	13,800							125
130	44.4	238.7	15,500 *	48.9	247.1	15,800	51.4	251.0	14,700	55.4	255.9	12,900							130
135	41.9	233.4	14,600 *	46.6	242.6	14,900	49.2	246.9	13,900	53.4	252.3	12,200	57.2	255.8	10,500				135
140	39.3	227.6	13,800 *	44.2	237.6	14,100	47.0	242.4	13,100	51.2	248.5	11,400	55.2	252.4	9,800				140
145	36.6	221.1	13,000 *	41.8	232.3	13,300	44.6	237.5	12,400	49.0	244.3	10,800	53.1	248.8	9,200				145
150	33.6	214.0	12,300 *	39.2	226.4	12,600	42.2	232.3	11,700	46.8	239.8	10,100	51.0	244.9	8,600				150
155	30.4	206.0	11,600 *	36.4	220.0	11,900	39.6	226.5	11,000	44.4	234.9	9,600	48.7	240.7	8,100	52.7	244.2	6,700	155
160	26.9	196.9	10,700 *	33.5	212.8	11,300	36.9	220.1	10,400	42.0	229.6	9,000	46.5	236.1	7,600	50.5	240.3	6,200	160
165	22.9	186.1	9,900 *	30.3	204.8	10,700	34.0	213.1	9,900	39.4	223.7	8,500	44.1	231.2	7,100	48.3	236.0	5,800	165
170	18.1	172.8	9,100 *	26.8	195.6	10,200	30.8	205.2	9,400	36.6	217.3	8,000	41.6	225.8	6,700	46.0	231.3	5,400	170
175	11.6	153.9	8,400 *	22.7	184.7	9,600	27.4	196.3	8,900	33.7	210.2	7,600	39.0	219.9	6,300	43.6	226.3	5,100	175
180				17.9	171.2	9,100 *	23.4	185.7	8,400	30.5	202.3	7,100	36.3	213.4	5,900	41.1	220.8	4,700	180
190							12.5	154.9	7,500	23.1	182.5	6,300	30.1	198.1	5,200	35.7	208.2	4,100	190
200										11.8	150.6	5,600	22.5	177.8	4,500				200



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
105,000 Lb. Counterweight
360 Degree Rating

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

777 SERIES 1

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.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib 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	68.0	194.8	97,400 *b																			35
40	63.5	192.5	89,600 b																			40
45	58.9	189.8	76,700	68.6	194.1	70,800 b																45
50	53.9	186.5	66,800	64.1	191.9	61,700 b																50
55	48.7	182.5	59,100	59.5	189.2	54,500	65.3	191.6	51,800 b													55
60	43.0	177.6	52,900	54.6	186.0	48,800	60.7	189.0	46,300 b													60
65	36.6	171.6	47,800	49.4	182.1	44,000	55.9	185.9	41,800													65
70	29.0	163.9	43,500	43.7	177.4	40,100	50.8	182.2	38,000	61.1	186.8	34,600 b										70
75	18.9	152.6	39,800	37.5	171.5	36,700	45.3	177.7	34,800	56.3	183.8	31,700										75
80				30.1	164.1	33,800	39.2	172.2	32,000	51.2	180.1	29,100										80
85				20.5	153.5	31,200	32.2	165.3	29,600	45.8	175.7	26,900	56.5	180.6	24,200							85
90							23.4	155.8	27,400	39.7	170.3	24,900	51.4	177.0	22,400							90
95							8.5	138.3	25,500	32.8	163.5	23,200	45.9	172.6	20,900							95
100										24.2	154.3	21,600	39.9	167.2	19,500	51.2	172.7	17,300				100
105										10.5	138.3	20,200	33.1	160.4	18,200	45.8	168.2	16,200				105
110													24.6	151.3	17,000	39.7	162.8	15,100				110
115													11.2	135.8	15,900	32.8	156.0	14,200	45.1	162.7	12,400	115
120																24.2	146.8	13,300	39.0	157.1	11,600	120
125																10.4	130.8	12,400	31.9	150.1	10,900	125
130																			23.1	140.5	10,200	130
135																			7.5	122.2	9,500	135



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
105,000 Lb. Counterweight
360 Degree Rating

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

777 SERIES 1

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	205.5	86,200 *b																			35
40	67.0	203.5	83,200 *b																			40
45	63.1	201.2	76,400																			45
50	59.0	198.5	66,600	67.5	202.9	61,300 b																50
55	54.7	195.2	58,900	63.6	200.6	54,200																55
60	50.2	191.3	52,700	59.5	197.9	48,500	64.7	200.3	45,900													60
65	45.4	186.8	47,600	55.3	194.7	43,700	60.6	197.7	41,400													65
70	40.1	181.4	43,300	50.8	191.0	39,800	56.4	194.6	37,700													70
75	34.1	174.8	39,600	46.0	186.5	36,400	52.0	191.0	34,500	61.0	195.5	31,200										75
80	27.1	166.3	36,500	40.8	181.2	33,500	47.3	186.8	31,700	56.8	192.5	28,700										80
85	17.7	154.2	33,700	35.0	174.8	31,000	42.2	181.7	29,300	52.4	188.9	26,500										85
90				28.1	166.6	28,700	36.6	175.6	27,200	47.7	184.7	24,600	56.9	189.3	22,000							90
95				19.2	155.2	26,700	30.1	168.0	25,300	42.7	179.8	22,900	52.5	185.8	20,400							95
100							21.9	157.8	23,600	37.1	173.8	21,300	47.9	181.6	19,100							100
105							7.9	139.0	22,000	30.6	166.3	19,900	42.8	176.6	17,800	52.4	181.5	15,700				105
110										22.6	156.4	18,700	37.3	170.7	16,700	47.7	177.3	14,700				110
115										9.8	139.2	17,500	30.9	163.3	15,600	42.7	172.3	13,800				115
120													22.9	153.4	14,700	37.1	166.3	12,900	47.1	171.7	11,200	120
125													10.5	136.8	13,700	30.6	158.9	12,100	42.0	166.7	10,500	125
130																22.6	148.9	11,400	36.4	160.5	9,800	130
135																9.8	131.7	10,600	29.8	152.9	9,200	135
140																			21.6	142.5	8,600	140
145																			7.0	122.8	8,000	145



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
105,000 Lb. Counterweight
360 Degree Rating

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

777 SERIES 1

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	216.0	79,300 *b																			35
40	69.7	214.3	76,700 *b																			40
45	66.3	212.3	73,700 *																			45
50	62.8	209.9	66,400	70.1	213.6	61,100 b																50
55	59.1	207.1	58,700	66.7	211.6	54,000																55
60	55.3	203.9	52,500	63.2	209.3	48,200	67.6	211.2	45,700													60
65	51.4	200.2	47,400	59.6	206.6	43,500	64.2	209.0	41,200													65
70	47.1	195.9	43,100	55.8	203.4	39,600	60.6	206.3	37,400													70
75	42.6	190.8	39,500	51.9	199.8	36,200	56.8	203.3	34,200													75
80	37.7	184.9	36,300	47.7	195.5	33,300	52.9	199.8	31,500	60.9	204.2	28,400										80
85	32.1	177.8	33,600	43.2	190.6	30,800	48.8	195.7	29,100	57.1	201.2	26,200										85
90	25.5	168.7	31,200	38.4	184.8	28,600	44.5	191.0	27,000	53.3	197.7	24,300										90
95	16.7	155.7	29,000	32.9	177.8	26,600	39.7	185.5	25,100	49.2	193.7	22,600	57.3	198.0	20,200							95
100				26.5	169.1	24,800	34.4	178.8	23,400	44.8	189.0	21,100	53.4	194.5	18,800							100
105				18.1	156.9	23,200	28.3	170.6	21,900	40.1	183.5	19,700	49.3	190.5	17,500							105
110							20.6	159.6	20,500	34.9	177.0	18,500	45.0	185.9	16,400							110
115							7.5	139.7	19,200	28.8	169.0	17,300	40.3	180.4	15,400	49.2	186.2	13,500				115
120										21.3	158.3	16,300	35.1	174.0	14,500	44.8	181.5	12,600				120
125										9.2	140.0	15,300	29.1	166.0	13,600	40.1	176.1	11,900				125
130													21.6	155.4	12,800	34.9	169.6	11,100	44.3	175.9	9,500	130
135													9.9	137.7	12,000	28.8	161.5	10,500	39.5	170.4	9,000	135
140																21.3	150.8	9,900	34.2	163.7	8,400	140
145																9.2	132.5	9,200	28.1	155.4	7,900	145
150																			20.3	144.3	7,400	150
155																			6.6	123.4	6,900	155



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
105,000 Lb. Counterweight
360 Degree Rating

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

777 SERIES 1

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	226.4	72,800 *b																			35
40	71.8	224.9	70,500 *b																			40
45	68.8	223.1	68,200 *																			45
50	65.7	221.0	65,700 *																			50
55	62.5	218.6	58,500	69.2	222.4	53,600																55
60	59.2	215.8	52,300	66.1	220.4	47,900																60
65	55.8	212.6	47,200	62.9	218.0	43,200	66.9	219.9	40,800													65
70	52.3	209.0	42,900	59.6	215.2	39,200	63.7	217.6	37,000													70
75	48.5	204.8	39,200	56.2	212.1	35,900	60.5	215.0	33,900													75
80	44.6	200.1	36,100	52.7	208.5	33,000	57.2	212.0	31,100													80
85	40.4	194.6	33,400	49.0	204.5	30,500	53.7	208.5	28,700	60.8	212.8	25,800										85
90	35.7	188.2	31,000	45.1	199.8	28,300	50.0	204.6	26,600	57.4	209.8	23,900										90
95	30.4	180.6	28,900	40.9	194.5	26,300	46.2	200.1	24,800	54.0	206.4	22,200										95
100	24.2	170.9	26,900	36.3	188.2	24,600	42.1	195.0	23,100	50.3	202.5	20,700	57.5	206.6	18,400							100
105	15.8	157.2	25,200	31.2	180.7	23,000	37.6	189.0	21,600	46.5	198.1	19,400	54.1	203.2	17,100							105
110				25.1	171.4	21,500	32.6	181.8	20,300	42.4	193.0	18,100	50.5	199.4	16,000							110
115				17.1	158.4	20,200	26.8	173.1	19,000	38.0	187.1	17,000	46.6	195.0	15,000							115
120							19.5	161.4	17,900	33.0	180.1	16,000	42.5	189.9	14,100	50.3	195.1	12,200				120
125							7.1	140.3	16,800	27.3	171.5	15,000	38.1	184.0	13,200	46.5	190.6	11,400				125
130										20.2	160.1	14,200	33.2	177.0	12,400	42.4	185.5	10,700				130
135										8.8	140.8	13,300	27.5	168.5	11,700	38.0	179.6	10,100	46.0	185.1	8,500	135
140													20.5	157.3	11,000	33.0	172.6	9,500	41.9	179.9	8,000	140
145													9.3	138.5	10,400	27.3	164.0	8,900	37.4	173.9	7,500	145
150																20.2	152.7	8,400	32.4	166.7	7,000	150
155																8.7	133.3	7,800	26.6	157.9	6,600	155
160																			19.3	146.1	6,100	160
165																			6.2	124.0	5,700	165



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
105,000 Lb. Counterweight
360 Degree Rating

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

777 SERIES 1

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	235.4	65,100 *																			40
45	70.8	233.8	63,100 *																			45
50	68.0	231.9	60,800 *																			50
55	65.2	229.7	58,400																			55
60	62.3	227.2	52,200	68.4	231.2	47,800																60
65	59.3	224.4	47,100	65.5	229.1	43,100																65
70	56.2	221.3	42,800	62.6	226.6	39,200	66.3	228.7	37,000													70
75	53.0	217.7	39,200	59.7	223.9	35,800	63.4	226.3	33,800													75
80	49.7	213.7	36,100	56.6	220.8	32,900	60.5	223.7	31,000													80
85	46.1	209.2	33,400	53.4	217.3	30,400	57.4	220.6	28,700													85
90	42.4	204.1	31,000	50.1	213.3	28,200	54.3	217.3	26,600	60.7	221.5	23,800										90
95	38.4	198.2	28,800	46.6	208.9	26,300	51.0	213.4	24,700	57.7	218.5	22,200										95
100	34.0	191.4	27,000	42.9	203.9	24,500	47.6	209.1	23,100	54.5	215.1	20,600										100
105	29.0	183.2	25,300	38.9	198.1	23,000	43.9	204.3	21,600	51.3	211.4	19,300	57.8	215.3	17,000							105
110	23.1	173.0	23,700	34.6	191.4	21,500	40.0	198.7	20,200	47.8	207.1	18,100	54.6	212.0	15,900							110
115	15.1	158.5	22,300	29.7	183.4	20,300	35.8	192.3	19,000	44.2	202.3	17,000	51.4	208.2	14,900							115
120				23.9	173.5	19,100	31.1	184.7	17,900	40.4	196.8	15,900	48.0	203.9	14,000							120
125				16.3	159.9	18,000	25.6	175.4	16,900	36.1	190.4	15,000	44.3	199.1	13,200	51.3	203.9	11,400				125
130							18.6	163.1	15,900	31.5	183.0	14,200	40.5	193.7	12,400	47.8	199.6	10,700				130
135							6.8	140.9	15,000	26.0	173.9	13,400	36.3	187.4	11,700	44.2	194.8	10,000				135
140										19.3	161.9	12,600	31.6	179.9	11,000	40.3	189.3	9,400	47.4	194.1	7,900	140
145										8.4	141.6	11,900	26.2	170.9	10,400	36.1	183.0	8,900	43.8	189.2	7,400	145
150													19.5	159.0	9,800	31.5	175.5	8,400	39.9	183.6	6,900	150
155													8.9	139.3	9,200	26.0	166.4	7,900	35.6	177.2	6,500	155
160																19.3	154.4	7,400	30.9	169.5	6,100	160
165																8.3	134.0	6,900	25.4	160.2	5,700	165
170																			18.3	147.7	5,300	170
175																			5.9	124.5	4,900	175

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
105,000 Lb. Counterweight
360 Degree Rating

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

777 SERIES 1

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	245.8	51,700 *																			40
45	72.4	244.3	50,700 *																			45
50	69.9	242.6	49,700 *																			50
55	67.4	240.6	48,800 *																			55
60	64.7	238.4	48,000 *	70.2	241.9	47,500																60
65	62.1	235.9	46,300 *	67.7	240.0	42,800																65
70	59.3	233.1	42,600	65.1	237.8	38,800																70
75	56.5	230.0	38,900	62.4	235.3	35,500	65.8	237.4	33,400													75
80	53.6	226.5	35,800	59.7	232.6	32,600	63.1	235.0	30,700													80
85	50.6	222.6	33,100	56.9	229.5	30,100	60.4	232.3	28,300													85
90	47.4	218.2	30,700	54.0	226.0	27,900	57.6	229.3	26,200													90
95	44.1	213.4	28,600	51.0	222.2	26,000	54.8	226.0	24,400	60.6	230.2	21,800										95
100	40.5	207.9	26,700	47.8	217.9	24,200	51.8	222.2	22,700	57.9	227.2	20,300										100
105	36.7	201.6	25,000	44.5	213.1	22,700	48.7	218.1	21,300	55.0	223.9	18,900										105
110	32.5	194.4	23,500	41.0	207.7	21,300	45.4	213.4	19,900	52.0	220.2	17,700	58.0	224.0	15,500							110
115	27.7	185.7	22,100	37.2	201.5	20,000	42.0	208.2	18,700	48.9	216.0	16,600	55.1	220.7	14,500							115
120	22.1	175.0	20,800	33.1	194.4	18,800	38.3	202.3	17,600	45.7	211.4	15,600	52.1	217.0	13,600							120
125	14.4	159.8	19,600	28.4	186.0	17,700	34.2	195.4	16,600	42.2	206.2	14,700	49.0	212.9	12,800							125
130				22.9	175.6	16,700	29.7	187.4	15,700	38.6	200.4	13,800	45.8	208.3	12,000	52.0	212.7	10,300				130
135				15.6	161.3	15,800	24.5	177.6	14,800	34.6	193.6	13,000	42.4	203.1	11,300	48.9	208.6	9,600				135
140							17.8	164.7	14,000	30.1	185.7	12,300	38.7	197.3	10,700	45.7	203.9	9,000				140
145							6.5	141.5	13,200	24.9	176.1	11,600	34.7	190.6	10,000	42.2	198.8	8,500				145
150										18.5	163.5	11,000	30.2	182.7	9,500	38.6	192.9	8,000	45.3	198.4	6,500	150
155										8.0	142.3	10,300	25.1	173.2	8,900	34.5	186.1	7,500	41.8	193.1	6,100	155
160													18.7	160.7	8,400	30.1	178.2	7,000	38.1	187.2	5,700	160
165													8.5	140.1	7,900	24.9	168.6	6,600	34.1	180.3	5,300	165
170																18.4	156.1	6,200	29.5	172.2	5,000	170
175																8.0	134.7	5,800	24.3	162.4	4,600	175
180																			17.6	149.3	4,300	180



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
105,000 Lb. Counterweight
360 Degree Rating

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

777 SERIES 1

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	254.7	47,600 *																			45
50	71.5	253.2	46,700 *																			50
55	69.2	251.4	45,900 *																			55
60	66.8	249.4	44,600 *																			60
65	64.4	247.1	42,800 *	69.5	250.7	42,500																65
70	61.9	244.6	41,200 *	67.1	248.7	38,600																70
75	59.4	241.8	38,700	64.7	246.5	35,200	67.7	248.3	33,200													75
80	56.8	238.6	35,600	62.2	244.0	32,400	65.3	246.1	30,400													80
85	54.1	235.2	32,900	59.7	241.2	29,900	62.9	243.7	28,000													85
90	51.3	231.4	30,500	57.1	238.1	27,700	60.4	241.0	26,000													90
95	48.5	227.2	28,400	54.5	234.7	25,700	57.8	238.0	24,100													95
100	45.4	222.5	26,500	51.7	231.0	24,000	55.2	234.7	22,500	60.6	238.8	20,000										100
105	42.3	217.3	24,800	48.8	226.8	22,400	52.4	231.0	21,000	58.0	235.8	18,600										105
110	38.9	211.5	23,300	45.8	222.2	21,000	49.6	227.0	19,700	55.4	232.6	17,400										110
115	35.2	204.9	21,900	42.7	217.1	19,800	46.7	222.5	18,500	52.7	228.9	16,300										115
120	31.2	197.2	20,700	39.3	211.3	18,600	43.5	217.5	17,400	49.8	224.9	15,300	55.5	229.4	13,300							120
125	26.6	188.2	19,500	35.7	204.8	17,500	40.2	211.9	16,400	46.9	220.5	14,400	52.8	225.8	12,500							125
130	21.2	176.9	18,400	31.7	197.3	16,600	36.7	205.6	15,400	43.8	215.5	13,600	49.9	221.8	11,700							130
135	13.9	161.1	17,400	27.3	188.5	15,600	32.8	198.4	14,600	40.5	210.0	12,800	47.0	217.3	11,000	52.7	221.5	9,300				135
140				22.0	177.6	14,800	28.5	190.0	13,800	37.0	203.8	12,100	43.9	212.4	10,400	49.8	217.4	8,800				140
145				15.0	162.6	14,000	23.5	179.8	13,000	33.2	196.7	11,400	40.6	206.9	9,800	46.9	213.0	8,200				145
150							17.1	166.2	12,300	28.9	188.4	10,800	37.1	200.7	9,200	43.8	208.1	7,700				150
155							6.2	142.0	11,600	23.9	178.3	10,200	33.3	193.6	8,700	40.5	202.5	7,200	46.5	207.5	5,800	155
160										17.7	165.1	9,600	29.0	185.3	8,200	37.0	196.3	6,800	43.4	202.5	5,400	160
165										7.7	143.0	9,100	24.1	175.3	7,700	33.2	189.2	6,400	40.1	196.9	5,100	165
170													18.0	162.3	7,300	28.9	180.9	6,000	36.6	190.5	4,700	170
175													8.2	140.8	6,800	23.9	170.8	5,600	32.7	183.3	4,400	175
180																17.7	157.6	5,200	28.4	174.8	4,100	180

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
105,000 Lb. Counterweight
360 Degree Rating

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

777 SERIES 1

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			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib 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	265.1	44,400 *																45
50	72.9	263.7	43,600 *																50
55	70.7	262.0	42,600 *																55
60	68.5	260.2	41,000 *																60
65	66.3	258.1	39,400 *	71.0	261.3	42,200													65
70	64.1	255.8	37,800 *	68.8	259.5	38,300													70
75	61.8	253.2	36,200 *	66.6	257.5	34,900													75
80	59.4	250.4	34,700 *	64.4	255.2	32,000	67.2	257.0	30,100										80
85	57.0	247.3	32,600	62.1	252.7	29,500	65.0	254.8	27,700										85
90	54.5	243.9	30,200	59.7	249.9	27,400	62.7	252.4	25,600										90
95	52.0	240.2	28,100	57.3	246.8	25,400	60.4	249.6	23,800										95
100	49.3	236.1	26,300	54.9	243.5	23,700	58.0	246.7	22,100	62.9	250.2	19,600							100
105	46.6	231.6	24,600	52.3	239.8	22,100	55.5	243.4	20,700	60.6	247.5	18,300							105
110	43.7	226.6	23,000	49.7	235.7	20,700	53.0	239.8	19,300	58.2	244.5	17,100							110
115	40.7	221.1	21,700	47.0	231.3	19,500	50.4	235.8	18,100	55.7	241.3	16,000							115
120	37.4	214.9	20,400	44.1	226.4	18,300	47.7	231.5	17,000	53.2	237.7	15,000							120
125	33.9	208.0	19,200	41.1	220.9	17,200	44.9	226.7	16,000	50.6	233.8	14,100	55.8	238.1	12,100				125
130	30.0	199.9	18,200	37.8	214.8	16,300	41.9	221.4	15,100	47.9	229.5	13,200	53.3	234.5	11,400				130
135	25.6	190.5	17,200	34.4	208.0	15,400	38.7	215.5	14,300	45.1	224.7	12,400	50.7	230.6	10,700				135
140	20.4	178.7	16,300	30.5	200.1	14,500	35.3	208.9	13,500	42.1	219.5	11,700	48.0	226.3	10,000				140
145	13.4	162.3	15,400	26.2	190.9	13,800	31.6	201.3	12,700	39.0	213.6	11,100	45.2	221.6	9,400	50.6	226.3	7,800	145
150				21.2	179.5	13,000	27.5	192.5	12,100	35.6	207.1	10,400	42.2	216.4	8,900	47.9	222.0	7,300	150
155				14.5	163.9	12,300	22.6	181.8	11,400	31.9	199.6	9,900	39.1	210.5	8,300	45.1	217.2	6,800	155
160							16.5	167.7	10,800	27.8	190.9	9,300	35.7	204.0	7,800	42.1	212.0	6,400	160
165							6.0	142.6	10,200	23.0	180.4	8,800	32.0	196.5	7,400	39.0	206.2	6,000	165
170										17.1	166.7	8,300	27.9	187.9	6,900	35.6	199.6	5,600	170
175										7.4	143.6	7,800	23.2	177.4	6,500	31.9	192.1	5,200	175
180													17.3	163.9	6,100	27.8	183.4	4,900	180
190																17.1	159.2	4,200	190



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
105,000 Lb. Counterweight
360 Degree Rating

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

777 SERIES 1

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			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib 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	275.5	41,400 *																45
50	74.1	274.1	40,700 *																50
55	72.1	272.6	39,400 *																55
60	70.0	270.9	37,900 *																60
65	68.0	269.0	36,300 *																65
70	65.9	266.8	34,800 *	70.3	270.2	38,000 *													70
75	63.8	264.5	33,300 *	68.3	268.3	34,800													75
80	61.7	261.9	31,900 *	66.2	266.2	31,900													80
85	59.5	259.1	30,500 *	64.1	263.9	29,400	66.7	265.8	27,600										85
90	57.2	256.0	29,200 *	61.9	261.3	27,200	64.6	263.5	25,500										90
95	54.9	252.6	27,900 *	59.7	258.5	25,300	62.5	261.0	23,700										95
100	52.6	249.0	26,200	57.5	255.5	23,600	60.3	258.3	22,000										100
105	50.1	245.0	24,500	55.2	252.2	22,000	58.1	255.3	20,600	62.7	258.8	18,100							105
110	47.6	240.6	22,900	52.9	248.5	20,600	55.8	252.1	19,200	60.5	256.1	16,900							110
115	44.9	235.8	21,600	50.4	244.6	19,400	53.5	248.5	18,000	58.3	253.2	15,900							115
120	42.2	230.5	20,300	47.9	240.3	18,200	51.1	244.7	16,900	56.0	249.9	14,900							120
125	39.2	224.7	19,200	45.3	235.5	17,100	48.6	240.4	15,900	53.7	246.4	13,900							125
130	36.1	218.3	18,100	42.5	230.3	16,200	46.0	235.8	15,000	51.3	242.6	13,100	56.1	246.8	11,200				130
135	32.7	211.0	17,100	39.6	224.6	15,300	43.3	230.8	14,200	48.8	238.4	12,300	53.8	243.2	10,500				135
140	29.0	202.6	16,200	36.5	218.2	14,400	40.4	225.2	13,400	46.2	233.8	11,600	51.4	239.4	9,900				140
145	24.8	192.7	15,400	33.2	211.0	13,700	37.4	219.0	12,700	43.5	228.8	11,000	48.9	235.2	9,300				145
150	19.7	180.5	14,600	29.5	202.8	13,000	34.1	212.0	12,000	40.6	223.2	10,400	46.3	230.7	8,800	51.3	235.1	7,200	150
155	12.9	163.4	13,800 *	25.3	193.2	12,300	30.5	204.1	11,300	37.6	217.1	9,800	43.6	225.7	8,200	48.8	230.9	6,700	155
160				20.4	181.3	11,700	26.5	194.9	10,700	34.4	210.2	9,200	40.7	220.1	7,700	46.2	226.3	6,300	160
165				14.0	165.2	11,000	21.8	183.8	10,200	30.8	202.4	8,700	37.7	214.0	7,300	43.5	221.3	5,900	165
170							15.9	169.1	9,600	26.8	193.3	8,200	34.5	207.1	6,900	40.6	215.8	5,500	170
175							5.8	143.1	9,100	22.3	182.4	7,800	30.9	199.4	6,500	37.6	209.6	5,100	175
180										16.5	168.1	7,400	27.0	190.3	6,100	34.4	202.7	4,800	180
190													16.7	165.4	5,300	26.8	185.8	4,200	190

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
105,000 Lb. Counterweight
360 Degree Rating

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

777 SERIES 1

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			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib 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	284.5	37,700 *																50
55	73.2	283.1	36,100 *																55
60	71.3	281.5	34,600 *																60
65	69.4	279.7	33,200 *																65
70	67.5	277.7	31,800 *																70
75	65.6	275.5	30,300 *	69.7	279.0	33,300 *													75
80	63.6	273.2	29,000 *	67.8	277.1	31,600													80
85	61.6	270.6	27,600 *	65.8	274.9	29,100													85
90	59.5	267.7	26,300 *	63.8	272.6	26,900	66.3	274.5	25,200										90
95	57.4	264.7	25,100 *	61.8	270.0	25,000	64.4	272.2	23,300										95
100	55.2	261.3	23,800 *	59.8	267.2	23,300	62.4	269.7	21,700										100
105	53.0	257.7	22,700 *	57.7	264.2	21,700	60.3	267.0	20,200										105
110	50.8	253.8	21,600 *	55.5	260.9	20,300	58.2	264.0	18,900	62.5	267.5	16,600							110
115	48.4	249.6	20,500 *	53.3	257.3	19,100	56.1	260.8	17,700	60.5	264.8	15,500							115
120	46.0	244.9	19,500 *	51.1	253.4	17,900	53.9	257.3	16,600	58.4	261.8	14,500							120
125	43.4	239.9	18,500 *	48.7	249.2	16,900	51.7	253.5	15,600	56.3	258.6	13,600							125
130	40.8	234.3	17,600 *	46.3	244.6	15,900	49.3	249.3	14,700	54.1	255.2	12,800							130
135	37.9	228.2	16,700 *	43.8	239.6	15,000	46.9	244.9	13,900	51.9	251.4	12,000	56.3	255.4	10,200				135
140	34.9	221.5	15,900 *	41.1	234.1	14,200	44.4	240.0	13,100	49.5	247.3	11,300	54.2	252.0	9,500				140
145	31.6	213.8	15,100 *	38.3	228.1	13,400	41.8	234.6	12,400	47.1	242.8	10,600	51.9	248.2	8,900				145
150	28.0	205.1	14,400 *	35.3	221.4	12,700	39.1	228.8	11,700	44.6	238.0	10,000	49.6	244.1	8,400				150
155	24.0	194.9	13,600	32.1	213.9	12,000	36.1	222.3	11,000	42.0	232.7	9,400	47.2	239.7	7,900	51.8	243.9	6,300	155
160	19.1	182.2	12,900	28.5	205.4	11,400	33.0	215.0	10,500	39.3	226.9	8,900	44.7	234.9	7,400	49.5	239.8	5,900	160
165	12.5	164.5	12,000 *	24.5	195.4	10,800	29.5	206.8	9,900	36.4	220.4	8,400	42.1	229.6	6,900	47.1	235.4	5,500	165
170				19.8	183.1	10,200	25.6	197.2	9,400	33.2	213.3	7,900	39.4	223.8	6,500	44.6	230.5	5,100	170
175				13.5	166.4	9,700	21.1	185.6	8,900	29.8	205.1	7,500	36.5	217.4	6,100	42.0	225.2	4,800	175
180							15.4	170.5	8,400	26.0	195.7	7,100	33.3	210.2	5,700	39.3	219.4	4,400	180
190										16.0	169.6	6,300	26.1	192.7	5,000				190
200													16.2	166.8	4,400				200



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
105,000 Lb. Counterweight
360 Degree Rating

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

777 SERIES 1

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			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib 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	294.8	33,200 *																50
55	74.2	293.5	33,000 *																55
60	72.5	292.0	31,900 *																60
65	70.7	290.3	30,600 *																65
70	68.9	288.5	29,200 *																70
75	67.1	286.5	27,800 *	70.9	289.6	30,600 *													75
80	65.2	284.3	26,500 *	69.1	287.8	29,300 *													80
85	63.4	281.8	25,200 *	67.3	285.8	28,100 *													85
90	61.5	279.2	24,000 *	65.5	283.6	26,700	67.8	285.4	24,900										90
95	59.5	276.4	22,800 *	63.6	281.2	24,700	66.0	283.2	23,100										95
100	57.6	273.3	21,600 *	61.7	278.7	23,000	64.1	280.9	21,400										100
105	55.5	270.0	20,500 *	59.8	275.9	21,500	62.2	278.4	20,000										105
110	53.5	266.5	19,400 *	57.8	272.8	20,100	60.3	275.6	18,700										110
115	51.3	262.6	18,400 *	55.8	269.6	18,800	58.3	272.7	17,500	62.4	276.2	15,200							115
120	49.1	258.5	17,400 *	53.7	266.0	17,700	56.3	269.4	16,400	60.5	273.5	14,200							120
125	46.9	254.0	16,500 *	51.6	262.2	16,600	54.3	266.0	15,400	58.5	270.5	13,300							125
130	44.5	249.1	15,600 *	49.4	258.1	15,600	52.2	262.3	14,500	56.5	267.3	12,500							130
135	42.1	243.8	14,700 *	47.2	253.6	14,800	50.0	258.2	13,600	54.5	263.9	11,700							135
140	39.5	238.0	13,900 *	44.8	248.8	13,900	47.8	253.9	12,800	52.4	260.2	11,000	56.6	264.1	9,200				140
145	36.8	231.6	13,200 *	42.4	243.6	13,200	45.5	249.1	12,100	50.2	256.2	10,400	54.5	260.7	8,700				145
150	33.8	224.5	12,400 *	39.8	237.8	12,500	43.0	244.0	11,400	48.0	251.8	9,800	52.4	257.0	8,100				150
155	30.7	216.6	11,700 *	37.1	231.5	11,800	40.5	238.4	10,800	45.7	247.1	9,200	50.3	253.0	7,600				155
160	27.2	207.6	10,900 *	34.2	224.6	11,200	37.8	232.3	10,200	43.2	242.0	8,700	48.0	248.7	7,100	52.4	252.7	5,600	160
165	23.2	197.0	10,000 *	31.1	216.8	10,600	35.0	225.5	9,700	40.7	236.5	8,200	45.7	244.0	6,700	50.2	248.7	5,200	165
170	18.5	183.9	9,200 *	27.7	207.9	10,000	32.0	217.9	9,100	38.1	230.4	7,700	43.3	238.9	6,200	48.0	244.4	4,800	170
175	12.1	165.6	8,500 *	23.8	197.5	9,500	28.6	209.4	8,700	35.2	223.7	7,200	40.8	233.4	5,800	45.6	239.7	4,500	175
180				19.2	184.8	9,000	24.9	199.4	8,200	32.2	216.2	6,800	38.2	227.3	5,500	43.2	234.6	4,200	180
190							15.0	171.8	7,300	25.2	197.9	6,000	32.3	213.1	4,800				190
200										15.5	170.9	5,300	25.3	195.0	4,100				200



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
105,000 Lb. Counterweight
360 Degree Rating

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

777 SERIES 1

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	204.9	95,000 *b																			35
40	63.8	202.7	89,600 b																			40
45	59.2	200.0	76,600	69.6	204.5	70,200 b																45
50	54.3	196.7	66,800	65.2	202.4	61,200 b																50
55	49.1	192.8	59,100	60.6	199.9	54,100 b	66.9	202.2	51,100 b													55
60	43.4	188.0	52,900	55.8	196.8	48,400	62.3	199.8	45,700 b													60
65	37.1	182.1	47,800	50.7	193.0	43,700	57.6	196.9	41,200													65
70	29.6	174.5	43,500	45.2	188.5	39,700	52.6	193.4	37,500													70
75	19.8	163.6	39,800	39.1	183.0	36,400	47.3	189.2	34,300	58.8	195.1	30,800										75
80				32.0	176.0	33,500	41.4	184.1	31,600	53.9	191.8	28,400										80
85				23.2	166.4	30,900	34.8	177.7	29,200	48.7	187.8	26,200										85
90				7.8	148.4	28,600	26.8	169.3	27,000	42.9	182.9	24,300	54.9	188.9	21,600							90
95							15.4	156.3	25,100	36.5	176.9	22,600	49.7	185.1	20,000							95
100										29.0	169.1	21,100	44.1	180.4	18,700							100
105										18.9	157.8	19,700	37.9	174.6	17,400	50.4	181.1	15,200				105
110													30.6	167.3	16,300	44.9	176.5	14,200				110
115													21.2	157.0	15,300	38.7	170.9	13,300				115
120																31.6	163.8	12,500	45.1	171.3	10,600	120
125																22.6	154.1	11,700	39.0	165.8	10,000	125
130																6.0	134.5	10,900	31.9	158.8	9,300	130
135																			23.1	149.2	8,700	135
140																			7.5	130.8	8,100	140



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
105,000 Lb. Counterweight
360 Degree Rating

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

777 SERIES 1

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	215.6	85,200 *b																			35
40	67.3	213.7	82,400 *b																			40
45	63.4	211.4	76,400																			45
50	59.3	208.7	66,600	68.5	213.3	60,800 b																50
55	55.0	205.4	58,900	64.6	211.1	53,700																55
60	50.5	201.6	52,700	60.5	208.5	48,000	66.0	210.9	45,300 b													60
65	45.7	197.1	47,600	56.3	205.5	43,300	62.0	208.5	40,800													65
70	40.5	191.8	43,300	51.9	201.9	39,400	57.9	205.6	37,100													70
75	34.6	185.3	39,600	47.2	197.6	36,100	53.6	202.2	33,900													75
80	27.7	177.0	36,500	42.1	192.5	33,200	49.0	198.2	31,200	59.0	203.8	27,900										80
85	18.5	165.3	33,700	36.5	186.4	30,700	44.0	193.4	28,800	54.7	200.5	25,800										85
90				29.9	178.8	28,500	38.6	187.7	26,800	50.2	196.7	23,900										90
95				21.7	168.4	26,500	32.5	180.7	24,900	45.3	192.1	22,200	55.6	197.6	19,600							95
100				7.3	149.1	24,600	25.0	171.6	23,200	40.0	186.7	20,700	51.1	193.9	18,200							100
105							14.4	157.6	21,700	34.1	180.1	19,400	46.3	189.5	17,000							105
110										27.1	171.6	18,100	41.1	184.3	15,900	51.7	189.9	13,800				110
115										17.6	159.5	17,000	35.3	177.9	14,900	46.9	185.6	12,900				115
120													28.6	169.9	14,000	41.8	180.5	12,100				120
125													19.8	158.8	13,200	36.1	174.3	11,300	47.1	180.4	9,500	125
130																29.5	166.6	10,600	42.0	175.3	8,900	130
135																21.1	156.0	10,000	36.4	169.2	8,300	135
140																5.6	135.0	9,300	29.8	161.5	7,800	140
145																21.6	151.1		21.6	151.1	7,300	145
150																7.0	131.5		7.0	131.5	6,800	150



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
105,000 Lb. Counterweight
360 Degree Rating

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

777 SERIES 1

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	226.1	78,300 *b																			35
40	69.9	224.4	75,900 *b																			40
45	66.5	222.4	73,300 *																			45
50	63.0	220.1	66,400	71.0	224.0	60,600 b																50
55	59.4	217.3	58,700	67.6	222.1	53,500																55
60	55.6	214.1	52,500	64.1	219.8	47,800																60
65	51.6	210.4	47,400	60.5	217.2	43,100	65.4	219.6	40,600													65
70	47.5	206.2	43,100	56.7	214.1	39,200	61.8	217.1	36,900													70
75	43.0	201.2	39,500	52.9	210.6	35,900	58.1	214.3	33,700													75
80	38.1	195.4	36,300	48.7	206.5	33,000	54.3	210.9	31,000	62.7	215.2	27,700										80
85	32.6	188.3	33,600	44.4	201.8	30,500	50.3	207.0	28,600	59.1	212.4	25,500										85
90	26.0	179.4	31,200	39.6	196.2	28,300	46.0	202.6	26,500	55.3	209.2	23,600										90
95	17.4	166.9	29,000	34.3	189.6	26,300	41.4	197.3	24,700	51.3	205.5	22,000										95
100				28.2	181.4	24,600	36.3	191.1	23,100	47.1	201.2	20,500	56.1	206.3	18,000							100
105				20.4	170.3	23,000	30.6	183.6	21,600	42.6	196.1	19,200	52.1	202.7	16,800							105
110				6.9	149.7	21,500	23.6	173.8	20,200	37.7	190.2	17,900	48.0	198.5	15,700							110
115							13.5	158.9	19,000	32.1	183.0	16,800	43.5	193.6	14,700	52.6	198.7	12,600				115
120										25.5	173.9	15,800	38.7	187.9	13,800	48.5	194.6	11,800				120
125										16.6	161.0	14,900	33.3	181.0	13,000	44.1	189.8	11,100				125
130													26.9	172.4	12,200	39.3	184.2	10,400				130
135													18.7	160.5	11,500	34.0	177.5	9,800	44.3	184.6	8,100	135
140																27.8	169.1	9,200	39.5	179.0	7,600	140
145																19.9	157.8	8,600	34.2	172.4	7,100	145
150																5.3	135.5	8,000	28.1	164.1	6,600	150
155																			20.3	153.0	6,200	155
160																			6.6	132.1	5,700	160



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
105,000 Lb. Counterweight
360 Degree Rating

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

777 SERIES 1

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	236.5	71,700 *b																			35
40	72.0	235.0	69,600 *b																			40
45	69.0	233.2	67,500 *																			45
50	65.9	231.2	65,400 *																			50
55	62.7	228.7	58,500	69.9	232.8	53,100																55
60	59.4	226.0	52,200	66.8	230.8	47,500																60
65	56.0	222.8	47,100	63.7	228.5	42,800	68.0	230.5	40,200													65
70	52.5	219.2	42,900	60.4	225.9	38,900	64.8	228.3	36,500													70
75	48.8	215.1	39,200	57.1	222.8	35,500	61.6	225.8	33,300													75
80	44.9	210.4	36,100	53.6	219.4	32,700	58.3	222.9	30,600													80
85	40.7	205.0	33,400	49.9	215.4	30,200	54.9	219.6	28,300	62.5	223.9	25,100										85
90	36.0	198.7	31,000	46.1	210.9	28,000	51.3	215.9	26,200	59.2	221.1	23,200										90
95	30.8	191.1	28,800	42.0	205.8	26,000	47.5	211.6	24,400	55.8	217.9	21,600										95
100	24.7	181.6	26,900	37.5	199.7	24,300	43.5	206.7	22,700	52.2	214.3	20,100										100
105	16.5	168.4	25,200	32.5	192.6	22,700	39.2	201.0	21,300	48.5	210.1	18,800	56.5	215.0	16,300							105
110				26.7	183.8	21,300	34.4	194.3	19,900	44.6	205.4	17,600	52.9	211.5	15,300							110
115				19.4	172.0	20,000	29.0	186.2	18,700	40.3	199.9	16,500	49.3	207.4	14,300							115
120				6.5	150.3	18,800	22.3	175.8	17,600	35.7	193.5	15,500	45.4	202.8	13,400							120
125							12.8	160.0	16,600	30.4	185.8	14,600	41.2	197.5	12,600	49.7	203.5	10,600				125
130										24.2	176.1	13,700	36.6	191.3	11,800	45.9	198.9	10,000				130
135										15.8	162.4	12,900	31.5	183.9	11,100	41.7	193.7	9,300				135
140													25.5	174.7	10,500	37.2	187.7	8,800	46.0	193.7	7,100	140
145													17.7	162.1	9,900	32.2	180.5	8,200	41.9	188.6	6,600	145
150																26.3	171.5	7,700	37.4	182.5	6,200	150
155																18.9	159.5	7,200	32.4	175.4	5,800	155
160																5.0	135.9	6,700	26.6	166.5	5,400	160
165																			19.3	154.7	5,000	165
170																			6.2	132.6	4,600	170

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
105,000 Lb. Counterweight
360 Degree Rating

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

777 SERIES 1

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	245.5	64,100 *																			40
45	71.0	243.9	62,300 *																			45
50	68.2	242.0	60,300 *																			50
55	65.4	239.9	58,200 *																			55
60	62.5	237.4	52,200	69.0	241.6	47,400																60
65	59.5	234.6	47,100	66.2	239.5	42,700																65
70	56.4	231.5	42,800	63.3	237.2	38,800	67.3	239.3	36,400													70
75	53.2	228.0	39,200	60.4	234.5	35,500	64.4	237.0	33,200													75
80	49.9	224.0	36,100	57.3	231.5	32,600	61.5	234.5	30,500													80
85	46.4	219.5	33,300	54.2	228.1	30,100	58.5	231.6	28,200													85
90	42.7	214.5	30,900	50.9	224.3	27,900	55.4	228.3	26,100	62.2	232.6	23,200										90
95	38.7	208.6	28,800	47.5	220.0	26,000	52.1	224.7	24,300	59.3	229.8	21,500										95
100	34.3	201.9	26,900	43.8	215.1	24,300	48.8	220.5	22,700	56.2	226.6	20,000										100
105	29.4	193.8	25,200	39.9	209.5	22,700	45.2	215.9	21,200	53.0	223.0	18,700										105
110	23.5	183.8	23,700	35.7	203.0	21,300	41.4	210.6	19,900	49.6	219.0	17,500	56.8	223.7	15,200							110
115	15.8	169.8	22,300	30.9	195.4	20,100	37.3	204.5	18,700	46.1	214.5	16,400	53.6	220.2	14,200							115
120				25.4	186.1	18,900	32.8	197.3	17,600	42.4	209.4	15,400	50.3	216.3	13,300							120
125				18.4	173.7	17,800	27.6	188.7	16,600	38.4	203.5	14,500	46.8	211.9	12,500							125
130				6.2	150.8	16,800	21.3	177.7	15,600	34.0	196.7	13,700	43.2	206.9	11,800	50.7	212.3	9,900				130
135							12.2	161.1	14,800	29.0	188.5	12,900	39.2	201.2	11,100	47.3	208.0	9,300				135
140										23.0	178.2	12,200	34.9	194.5	10,400	43.6	203.1	8,700				140
145										15.0	163.7	11,500	30.0	186.7	9,800	39.7	197.4	8,200	47.4	202.8	6,600	145
150													24.3	176.9	9,300	35.4	191.0	7,700	43.8	197.9	6,100	150
155													16.9	163.6	8,700	30.7	183.3	7,200	39.9	192.3	5,700	155
160																25.1	173.8	6,800	35.6	185.8	5,400	160
165																18.0	161.2	6,400	30.9	178.2	5,000	165
170																4.8	136.4	5,900	25.4	168.8	4,600	170
175																			18.3	156.4	4,300	175
180																			5.9	133.1	4,000	180



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
105,000 Lb. Counterweight
360 Degree Rating

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

777 SERIES 1

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			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib 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	255.8	50,900 *																40
45	72.6	254.4	49,900 *																45
50	70.1	252.7	49,000 *																50
55	67.5	250.8	48,200 *																55
60	64.9	248.6	47,400 *	70.9	252.2	47,000													60
65	62.3	246.1	46,200 *	68.3	250.4	42,400													65
70	59.5	243.3	42,600	65.7	248.3	38,500													70
75	56.7	240.2	38,900	63.1	245.9	35,100	66.7	248.0	32,900										75
80	53.8	236.7	35,800	60.4	243.2	32,300	64.1	245.7	30,200										80
85	50.8	232.9	33,100	57.6	240.2	29,800	61.4	243.1	27,800										85
90	47.6	228.5	30,700	54.7	236.8	27,600	58.6	240.2	25,800										90
95	44.3	223.7	28,600	51.7	233.1	25,700	55.8	237.0	24,000	62.1	241.2	21,100							95
100	40.8	218.3	26,700	48.6	228.9	24,000	52.8	233.4	22,300	59.3	238.4	19,600							100
105	37.0	212.1	25,000	45.3	224.2	22,400	49.8	229.4	20,900	56.5	235.3	18,300							105
110	32.8	204.9	23,500	41.9	219.0	21,000	46.6	224.9	19,600	53.6	231.8	17,100							110
115	28.1	196.4	22,100	38.2	213.0	19,800	43.2	219.9	18,400	50.6	227.9	16,100	57.1	232.4	13,800				115
120	22.5	185.8	20,800	34.1	206.2	18,600	39.6	214.3	17,300	47.4	223.5	15,100	54.2	228.9	12,900				120
125	15.1	171.1	19,600	29.6	198.1	17,500	35.7	207.8	16,300	44.1	218.7	14,200	51.2	225.1	12,100				125
130				24.3	188.3	16,600	31.3	200.2	15,400	40.5	213.2	13,400	48.0	220.9	11,400				130
135				17.7	175.3	15,600	26.4	191.1	14,500	36.7	206.9	12,600	44.7	216.1	10,700	51.6	221.1	8,900	135
140				6.0	151.4	14,800	20.4	179.6	13,700	32.5	199.6	11,900	41.2	210.7	10,100	48.4	216.9	8,300	140
145							11.7	162.2	12,900	27.7	191.0	11,200	37.5	204.6	9,500	45.2	212.3	7,800	145
150										22.0	180.2	10,600	33.3	197.6	8,900	41.7	207.0	7,300	150
155										14.4	165.0	10,000	28.7	189.3	8,400	38.0	201.0	6,800	155
160													23.3	179.0	7,900	33.9	194.1	6,400	160
165													16.2	165.1	7,400	29.3	185.9	6,000	165
170																24.0	176.0	5,600	170
175																17.2	162.7	5,200	175
180																4.6	136.8	4,900	180

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
105,000 Lb. Counterweight
360 Degree Rating

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

777 SERIES 1

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			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib 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	264.8	46,800 *																45
50	71.7	263.3	46,000 *																50
55	69.3	261.5	45,300 *																55
60	67.0	259.5	44,400 *																60
65	64.6	257.3	42,700 *	70.1	261.1	42,100													65
70	62.1	254.8	41,100 *	67.7	259.2	38,200													70
75	59.6	252.0	38,700	65.3	257.0	34,900													75
80	57.0	248.9	35,600	62.8	254.5	32,000	66.2	256.7	29,900										80
85	54.3	245.5	32,900	60.3	251.8	29,600	63.7	254.4	27,600										85
90	51.5	241.7	30,500	57.8	248.8	27,400	61.3	251.8	25,500										90
95	48.7	237.5	28,400	55.1	245.5	25,500	58.7	248.9	23,700										95
100	45.7	232.9	26,500	52.4	241.9	23,700	56.1	245.7	22,100	61.9	249.9	19,400							100
105	42.5	227.7	24,800	49.5	237.8	22,200	53.4	242.2	20,600	59.4	247.1	18,000							105
110	39.1	221.9	23,300	46.6	233.3	20,800	50.6	238.3	19,300	56.8	244.0	16,900							110
115	35.5	215.3	21,900	43.5	228.3	19,500	47.7	234.0	18,100	54.1	240.5	15,800							115
120	31.5	207.8	20,600	40.2	222.7	18,400	44.6	229.2	17,000	51.3	236.7	14,800	57.3	241.0	12,600				120
125	27.0	198.8	19,500	36.6	216.4	17,300	41.4	223.8	16,100	48.4	232.5	13,900	54.6	237.7	11,800				125
130	21.6	187.8	18,400	32.7	209.2	16,400	38.0	217.8	15,100	45.4	227.8	13,100	51.9	233.9	11,100				130
135	14.5	172.4	17,400	28.4	200.7	15,500	34.2	210.9	14,300	42.2	222.6	12,300	49.0	229.8	10,400				135
140				23.4	190.4	14,600	30.1	202.9	13,500	38.9	216.8	11,600	46.0	225.2	9,800	52.2	229.9	8,000	140
145				17.0	176.8	13,800	25.3	193.4	12,800	35.2	210.1	11,000	42.9	220.1	9,200	49.4	225.9	7,500	145
150				5.7	151.9	13,100	19.6	181.3	12,100	31.2	202.5	10,400	39.5	214.4	8,700	46.4	221.3	7,000	150
155							11.3	163.2	11,400	26.6	193.4	9,800	35.9	208.0	8,200	43.3	216.3	6,600	155
160										21.2	182.1	9,300	32.0	200.5	7,700	40.0	210.7	6,100	160
165										13.8	166.3	8,700	27.6	191.8	7,200	36.4	204.3	5,700	165
170													22.3	181.1	6,800	32.5	197.1	5,400	170
175													15.5	166.5	6,400	28.2	188.5	5,000	175
180																23.1	178.1	4,700	180
190																4.4	137.2	4,000	190



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
105,000 Lb. Counterweight
360 Degree Rating

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

777 SERIES 1

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			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib 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	275.2	43,700 *																45
50	73.0	273.8	43,000 *																50
55	70.9	272.2	42,300 *																55
60	68.7	270.3	40,800 *																60
65	66.5	268.3	39,200 *																65
70	64.2	266.0	37,700 *	69.4	269.9	37,900													70
75	61.9	263.4	36,200 *	67.2	267.9	34,600													75
80	59.6	260.6	34,700 *	64.9	265.7	31,700	68.0	267.6	29,500										80
85	57.2	257.5	32,600	62.6	263.2	29,200	65.7	265.5	27,200										85
90	54.7	254.2	30,200	60.3	260.5	27,100	63.5	263.1	25,200										90
95	52.2	250.5	28,100	57.9	257.5	25,100	61.2	260.5	23,400										95
100	49.5	246.4	26,200	55.5	254.2	23,400	58.8	257.6	21,700										100
105	46.8	241.9	24,600	53.0	250.6	21,900	56.4	254.4	20,300	61.8	258.6	17,700							105
110	43.9	237.0	23,000	50.3	246.7	20,500	53.9	250.9	19,000	59.4	255.7	16,500							110
115	40.9	231.5	21,600	47.6	242.3	19,200	51.3	247.1	17,800	57.0	252.6	15,400							115
120	37.6	225.4	20,400	44.8	237.5	18,100	48.6	242.9	16,700	54.5	249.2	14,400							120
125	34.2	218.5	19,200	41.8	232.2	17,000	45.9	238.3	15,700	52.0	245.5	13,600	57.5	249.7	11,400				125
130	30.3	210.5	18,200	38.6	226.3	16,100	42.9	233.2	14,800	49.3	241.4	12,700	55.0	246.4	10,700				130
135	26.0	201.2	17,200	35.2	219.7	15,200	39.8	227.5	14,000	46.6	236.9	12,000	52.5	242.7	10,000				135
140	20.8	189.6	16,300	31.5	212.1	14,400	36.5	221.1	13,200	43.7	231.9	11,300	49.9	238.7	9,400				140
145	14.0	173.7	15,400	27.4	203.2	13,600	32.9	213.9	12,500	40.6	226.4	10,600	47.1	234.3	8,800	52.8	238.7	7,100	145
150				22.5	192.4	12,900	29.0	205.6	11,800	37.4	220.2	10,000	44.3	229.4	8,300	50.2	234.7	6,600	150
155				16.3	178.3	12,200	24.4	195.6	11,200	33.9	213.2	9,500	41.3	224.0	7,800	47.5	230.3	6,200	155
160				5.5	152.4	11,500	18.8	183.0	10,600	30.0	205.2	8,900	38.0	217.9	7,300	44.6	225.5	5,700	160
165							10.8	164.1	10,000	25.6	195.7	8,400	34.6	211.1	6,900	41.6	220.2	5,400	165
170										20.4	184.0	8,000	30.8	203.4	6,500	38.5	214.2	5,000	170
175										13.3	167.4	7,500	26.5	194.2	6,100	35.0	207.6	4,600	175
180													21.5	183.0	5,700	31.3	199.9	4,300	180

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
105,000 Lb. Counterweight
360 Degree Rating

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

777 SERIES 1

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			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib 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	284.2	40,100 *																50
55	72.2	282.7	39,200 *																55
60	70.2	281.0	37,700 *																60
65	68.1	279.1	36,200 *																65
70	66.1	277.0	34,800 *	70.8	280.5	37,700													70
75	64.0	274.6	33,300 *	68.8	278.7	34,400													75
80	61.8	272.1	31,900 *	66.7	276.6	31,600													80
85	59.6	269.3	30,600 *	64.6	274.4	29,100	67.5	276.3	27,100										85
90	57.4	266.2	29,200 *	62.5	271.9	26,900	65.4	274.2	25,000										90
95	55.1	262.9	28,000 *	60.3	269.2	25,000	63.3	271.8	23,200										95
100	52.7	259.2	26,100	58.1	266.2	23,300	61.1	269.1	21,600										100
105	50.3	255.3	24,400	55.8	262.9	21,800	58.9	266.2	20,200										105
110	47.7	250.9	22,900	53.4	259.4	20,400	56.6	263.1	18,900	61.6	267.2	16,400							110
115	45.1	246.2	21,600	51.0	255.5	19,100	54.3	259.6	17,700	59.5	264.4	15,300							115
120	42.3	240.9	20,300	48.5	251.3	18,000	51.9	255.9	16,600	57.2	261.3	14,300							120
125	39.4	235.2	19,100	45.9	246.6	16,900	49.5	251.8	15,600	54.9	257.9	13,400							125
130	36.3	228.7	18,100	43.2	241.6	16,000	46.9	247.3	14,700	52.5	254.3	12,600	57.7	258.4	10,600				130
135	33.0	221.5	17,100	40.3	236.0	15,100	44.2	242.4	13,900	50.1	250.3	11,900	55.4	255.1	9,900				135
140	29.3	213.2	16,200	37.3	229.7	14,300	41.4	237.0	13,100	47.5	245.9	11,200	53.0	251.5	9,300				140
145	25.1	203.5	15,400	34.0	222.8	13,500	38.4	231.0	12,400	44.9	241.1	10,500	50.6	247.5	8,700				145
150	20.1	191.4	14,600	30.4	214.8	12,800	35.2	224.4	11,700	42.1	235.8	9,900	48.1	243.2	8,200				150
155	13.5	174.9	13,800	26.4	205.6	12,100	31.8	216.8	11,100	39.2	230.0	9,400	45.4	238.5	7,700	50.9	243.6	6,000	155
160				21.7	194.4	11,500	28.0	208.1	10,500	36.1	223.5	8,800	42.7	233.4	7,200	48.4	239.3	5,600	160
165				15.8	179.7	10,900	23.6	197.8	9,900	32.7	216.2	8,400	39.8	227.7	6,800	45.8	234.7	5,200	165
170				5.3	152.8	10,300	18.2	184.6	9,400	29.0	207.9	7,900	36.7	221.3	6,400	43.1	229.6	4,900	170
175							10.5	165.1	8,900	24.7	198.0	7,400	33.4	214.2	6,000	40.2	223.9	4,500	175
180										19.7	185.7	7,000	29.7	206.1	5,600	37.1	217.7	4,200	180
190													20.8	184.9	4,900				190



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
105,000 Lb. Counterweight
360 Degree Rating

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

777 SERIES 1

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			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib 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	294.6	37,000 *													50
55	73.3	293.2	35,900 *													55
60	71.5	291.6	34,500 *													60
65	69.6	289.8	33,100 *													65
70	67.6	287.9	31,700 *													70
75	65.7	285.7	30,300 *	70.1	289.4	33,400 *										75
80	63.7	283.3	29,000 *	68.2	287.5	31,300										80
85	61.7	280.8	27,700 *	66.3	285.4	28,800										85
90	59.6	277.9	26,400 *	64.3	283.1	26,600	67.0	285.1	24,700							90
95	57.5	274.9	25,100 *	62.3	280.6	24,700	65.0	282.9	22,900							95
100	55.4	271.6	23,900 *	60.3	277.8	23,000	63.1	280.4	21,300							100
105	53.2	268.0	22,800 *	58.2	274.8	21,500	61.0	277.8	19,800							105
110	50.9	264.1	21,700 *	56.1	271.6	20,100	59.0	274.9	18,500							110
115	48.6	259.9	20,600 *	53.9	268.1	18,800	56.8	271.8	17,400	61.5	275.9	14,900				115
120	46.1	255.3	19,600 *	51.6	264.3	17,700	54.7	268.4	16,300	59.5	273.1	14,000				120
125	43.6	250.2	18,600 *	49.3	260.2	16,600	52.5	264.7	15,300	57.4	270.0	13,100				125
130	40.9	244.7	17,700 *	46.9	255.7	15,700	50.2	260.7	14,400	55.2	266.7	12,300				130
135	38.1	238.7	16,800 *	44.4	250.8	14,800	47.8	256.3	13,600	53.0	263.0	11,500	57.8	267.1	9,500	135
140	35.1	231.9	16,000 *	41.8	245.4	14,000	45.3	251.6	12,800	50.7	259.1	10,800	55.7	263.8	8,900	140
145	31.9	224.4	15,100	39.0	239.6	13,200	42.7	246.4	12,100	48.4	254.9	10,200	53.5	260.2	8,300	145
150	28.3	215.8	14,300	36.1	233.1	12,500	40.0	240.7	11,400	46.0	250.2	9,600	51.2	256.4	7,800	150
155	24.3	205.6	13,600	32.9	225.8	11,800	37.2	234.5	10,800	43.4	245.2	9,000	48.9	252.2	7,300	155
160	19.5	193.2	12,900	29.4	217.5	11,200	34.1	227.5	10,200	40.7	239.6	8,500	46.4	247.6	6,900	160
165	13.1	176.0	12,200 *	25.6	207.9	10,600	30.8	219.6	9,700	37.9	233.5	8,000	43.9	242.6	6,400	165
170				21.0	196.3	10,100	27.0	210.6	9,100	34.9	226.7	7,600	41.3	237.2	6,000	170
175				15.3	181.0	9,600	22.8	199.8	8,700	31.6	219.1	7,100	38.5	231.2	5,600	175
180				5.2	153.3	9,000	17.6	186.2	8,200	28.0	210.4	6,700	35.5	224.6	5,300	180
190										19.0	187.4	5,900	28.8	208.7	4,600	190
200													20.1	186.7	4,000	200

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
105,000 Lb. Counterweight
360 Degree Rating

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

777 SERIES 1

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			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib 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	303.6	32,400 *													55
60	72.6	302.1	31,800 *													60
65	70.8	300.4	30,500 *													65
70	69.0	298.6	29,100 *													70
75	67.2	296.6	27,800 *													75
80	65.4	294.4	26,500 *	69.6	298.2	29,500 *										80
85	63.5	292.0	25,300 *	67.8	296.2	28,300 *										85
90	61.6	289.4	24,100 *	65.9	294.1	26,400										90
95	59.7	286.6	22,900 *	64.1	291.8	24,500	66.6	293.8	22,600							95
100	57.7	283.6	21,700 *	62.2	289.2	22,700	64.8	291.6	21,000							100
105	55.7	280.3	20,600 *	60.3	286.5	21,200	62.9	289.1	19,600							105
110	53.6	276.7	19,500 *	58.3	283.5	19,800	61.0	286.4	18,300							110
115	51.5	272.9	18,500 *	56.3	280.3	18,600	59.0	283.6	17,100							115
120	49.3	268.8	17,500 *	54.2	276.8	17,400	57.0	280.4	16,000	61.5	284.6	13,700				120
125	47.0	264.3	16,600 *	52.1	273.1	16,400	55.0	277.1	15,000	59.5	281.7	12,800				125
130	44.7	259.4	15,700 *	50.0	269.0	15,400	52.9	273.4	14,100	57.5	278.7	12,000				130
135	42.2	254.2	14,800 *	47.7	264.7	14,600	50.8	269.5	13,300	55.5	275.4	11,300				135
140	39.7	248.4	14,000 *	45.4	259.9	13,700	48.6	265.3	12,500	53.4	271.8	10,600	57.9	275.7	8,600	140
145	36.9	242.1	13,300 *	43.0	254.8	13,000	46.3	260.7	11,800	51.3	267.9	9,900	55.9	272.5	8,100	145
150	34.0	235.1	12,500 *	40.5	249.2	12,300	43.9	255.7	11,200	49.1	263.8	9,300	53.9	269.0	7,500	150
155	30.9	227.2	11,800 *	37.8	243.0	11,600	41.4	250.3	10,500	46.9	259.3	8,800	51.7	265.2	7,000	155
160	27.5	218.2	11,000 *	34.9	236.3	11,000	38.8	244.3	10,000	44.5	254.4	8,300	49.6	261.1	6,600	160
165	23.5	207.8	10,100 *	31.9	228.7	10,400	36.0	237.8	9,400	42.0	249.1	7,800	47.3	256.6	6,100	165
170	18.9	194.9	9,300 *	28.5	220.1	9,900	33.0	230.5	8,900	39.5	243.3	7,300	45.0	251.8	5,700	170
175	12.7	177.2	8,600 *	24.8	210.1	9,400	29.8	222.3	8,400	36.7	236.9	6,900	42.5	246.6	5,400	175
180				20.4	198.1	8,900	26.2	212.9	8,000	33.8	229.8	6,500	40.0	240.9	5,000	180
190				5.0	153.7	7,900	17.1	187.7	7,100	27.2	212.8	5,700	34.4	227.7	4,300	190
200										18.5	189.1	5,000				200



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
105,000 Lb. Counterweight
360 Degree Rating

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

777 SERIES 1

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	215.1	90,600 *b																			35
40	64.2	212.9	84,800 *b																			40
45	59.5	210.2	76,800 b																			45
50	54.6	207.0	67,000	66.3	212.9	60,700 b																50
55	49.4	203.1	59,200	61.8	210.5	53,700 b																55
60	43.8	198.3	53,000	57.0	207.5	48,000	63.9	210.5	45,000 b													60
65	37.5	192.5	47,900	52.0	203.9	43,300	59.3	207.8	40,600 b													65
70	30.2	185.1	43,600	46.6	199.6	39,400	54.4	204.6	36,900													70
75	20.6	174.5	39,900	40.6	194.4	36,100	49.2	200.6	33,800	61.3	206.3	30,000 b										75
80				33.9	187.8	33,200	43.5	195.9	31,100	56.5	203.2	27,600										80
85				25.6	179.1	30,700	37.2	190.0	28,700	51.4	199.6	25,500										85
90				13.3	164.9	28,400	29.8	182.4	26,700	46.0	195.2	23,600										90
95							20.0	171.6	24,800	40.0	189.8	22,000	53.3	197.2	19,100							95
100										33.1	183.1	20,500	48.0	193.1	17,800							100
105										24.6	174.0	19,100	42.2	188.1	16,700							105
110										11.3	158.5	17,900	35.7	181.9	15,600	49.6	189.5	13,300				110
115													28.0	173.9	14,600	44.0	184.8	12,400				115
120													17.3	161.9	13,700	37.7	179.0	11,600				120
125																30.4	171.6	10,900	45.1	180.0	9,000	125
130																20.9	161.2	10,200	39.0	174.4	8,400	130
135																			31.9	167.4	7,800	135
140																			23.1	157.8	7,300	140
145																			7.5	139.5	6,800	145



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
105,000 Lb. Counterweight
360 Degree Rating

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

777 SERIES 1

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	225.7	83,500 *b																			35
40	67.6	223.8	80,700 *b																			40
45	63.6	221.6	75,900 *																			45
50	59.6	218.9	66,700	69.4	223.7	60,300 b																50
55	55.3	215.7	59,000	65.5	221.6	53,300 b																55
60	50.8	211.9	52,800	61.5	219.1	47,700	67.4	221.5	44,600 b													60
65	46.1	207.5	47,600	57.4	216.2	43,000	63.4	219.2	40,200													65
70	40.9	202.2	43,400	53.0	212.7	39,100	59.4	216.5	36,600													70
75	35.0	195.8	39,700	48.4	208.6	35,800	55.1	213.3	33,400													75
80	28.2	187.7	36,500	43.4	203.8	32,900	50.6	209.5	30,800	61.1	214.9	27,200										80
85	19.3	176.3	33,800	37.9	197.9	30,400	45.8	205.0	28,400	56.9	211.9	25,100										85
90				31.6	190.7	28,200	40.6	199.7	26,400	52.5	208.4	23,200										90
95				23.9	181.2	26,300	34.7	193.2	24,500	47.9	204.2	21,600										95
100				12.4	166.0	24,500	27.8	185.0	22,900	42.8	199.3	20,100	54.2	205.9	17,400							100
105							18.7	173.3	21,400	37.3	193.3	18,800	49.6	202.0	16,200							105
110										30.9	185.9	17,600	44.7	197.4	15,200							110
115										23.0	176.1	16,500	39.4	191.8	14,200	51.0	198.4	11,900				115
120										10.5	159.5	15,500	33.3	185.0	13,300	46.2	193.9	11,200				120
125													26.1	176.3	12,500	41.0	188.7	10,500				125
130													16.2	163.4	11,700	35.2	182.3	9,800	47.1	189.1	7,900	130
135																28.4	174.2	9,200	42.0	184.0	7,400	135
140																19.6	163.0	8,600	36.4	177.9	6,900	140
145																			29.8	170.2	6,400	145
150																			21.6	159.8	6,000	150
155																			7.0	140.1	5,500	155



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
105,000 Lb. Counterweight
360 Degree Rating

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

777 SERIES 1

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	236.2	76,200 *b																			35
40	70.2	234.5	74,900 *b																			40
45	66.8	232.6	72,700 *																			45
50	63.2	230.2	66,500																			50
55	59.6	227.5	58,800	68.4	232.5	53,100 b																55
60	55.9	224.4	52,600	64.9	230.3	47,400																60
65	51.9	220.7	47,500	61.4	227.8	42,800	66.6	230.2	40,000													65
70	47.8	216.5	43,200	57.7	224.9	38,900	63.1	227.9	36,300													70
75	43.3	211.6	39,500	53.8	221.5	35,600	59.4	225.2	33,200													75
80	38.4	205.8	36,400	49.8	217.5	32,700	55.7	222.0	30,500													80
85	33.0	198.8	33,700	45.5	213.0	30,200	51.7	218.3	28,200	61.0	223.6	24,800										85
90	26.5	190.1	31,300	40.8	207.6	28,100	47.5	214.0	26,100	57.3	220.6	22,900										90
95	18.2	177.9	29,100	35.7	201.3	26,100	43.1	209.1	24,300	53.4	217.1	21,300										95
100				29.8	193.5	24,400	38.2	203.3	22,700	49.3	213.1	19,900										100
105				22.5	183.3	22,800	32.7	196.2	21,200	45.0	208.5	18,600	54.8	214.6	15,900							105
110				11.7	167.1	21,400	26.2	187.4	19,900	40.3	203.1	17,400	50.8	210.8	14,900							110
115							17.6	174.9	18,700	35.1	196.6	16,300	46.6	206.5	14,000							115
120										29.1	188.6	15,300	42.0	201.3	13,100	52.0	207.2	10,900				120
125										21.6	178.1	14,400	37.0	195.3	12,300	47.9	203.0	10,200				125
130										9.9	160.4	13,500	31.4	187.9	11,600	43.4	198.1	9,600				130
135													24.6	178.5	10,900	38.5	192.3	9,000				135
140													15.2	164.7	10,200	33.1	185.4	8,400	44.3	193.3	6,600	140
145																39.5	187.7	7,900	39.5	187.7	6,200	145
150																26.7	176.7	7,400	34.2	181.0	5,800	150
155																18.4	164.7		28.1	172.8	5,400	155
160																			20.3	161.6	5,000	160
165																			6.6	140.7	4,600	165



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
105,000 Lb. Counterweight
360 Degree Rating

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

777 SERIES 1

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	246.6	70,100 *b																			35
40	72.2	245.1	68,600 *b																			40
45	69.2	243.4	66,700 *																			45
50	66.1	241.3	64,700 *																			50
55	62.9	238.9	58,600	70.7	243.2	52,700																55
60	59.7	236.2	52,300	67.6	241.3	47,100																60
65	56.3	233.1	47,200	64.4	239.0	42,400																65
70	52.8	229.5	42,900	61.2	236.5	38,500	65.9	239.0	35,900													70
75	49.1	225.4	39,300	57.9	233.5	35,200	62.8	236.6	32,800													75
80	45.2	220.8	36,200	54.5	230.2	32,400	59.5	233.8	30,100													80
85	41.0	215.4	33,400	50.9	226.4	29,900	56.1	230.7	27,800													85
90	36.4	209.2	31,000	47.1	222.0	27,700	52.6	227.1	25,800	60.9	232.2	22,500										90
95	31.2	201.7	28,900	43.0	217.0	25,800	48.9	223.0	24,000	57.6	229.3	20,900										95
100	25.2	192.4	27,000	38.6	211.2	24,100	45.0	218.3	22,400	54.1	225.9	19,500										100
105	17.2	179.5	25,300	33.8	204.4	22,600	40.7	212.9	20,900	50.5	222.0	18,200										105
110				28.2	196.1	21,100	36.1	206.6	19,600	46.6	217.6	17,000	55.4	223.3	14,500							110
115				21.4	185.2	19,900	30.9	199.1	18,400	42.6	212.5	16,000	51.8	219.7	13,500							115
120				11.1	168.1	18,700	24.8	189.6	17,300	38.1	206.6	15,000	48.1	215.4	12,700							120
125							16.7	176.5	16,300	33.2	199.7	14,100	44.1	210.6	11,900	52.9	215.9	9,700				125
130										27.6	191.1	13,300	39.8	205.1	11,200	49.2	211.9	9,100				130
135										20.5	179.9	12,500	35.1	198.5	10,500	45.3	207.3	8,500				135
140										9.4	161.2	11,700	29.7	190.7	9,900	41.1	201.9	8,000				140
145													23.3	180.6	9,300	36.5	195.7	7,500	46.0	202.4	5,700	145
150													14.5	166.0	8,700	31.4	188.3	7,000	41.9	197.2	5,300	150
155																25.3	179.0	6,600	37.4	191.2	5,000	155
160																17.5	166.2	6,100	32.4	184.0	4,600	160
165																			26.6	175.2	4,200	165



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
105,000 Lb. Counterweight
360 Degree Rating

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

777 SERIES 1

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			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib 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	255.6	63,200 *b																40
45	71.2	254.0	61,500 *																45
50	68.4	252.1	59,800 *																50
55	65.6	250.0	57,700 *																55
60	62.7	247.6	52,300	69.7	252.0	47,000													60
65	59.7	244.8	47,200	66.9	250.0	42,300													65
70	56.6	241.7	42,900	64.1	247.7	38,500													70
75	53.4	238.2	39,300	61.1	245.1	35,200	65.4	247.7	32,700										75
80	50.1	234.3	36,100	58.1	242.2	32,300	62.5	245.2	30,100										80
85	46.7	229.9	33,400	55.0	238.9	29,900	59.5	242.5	27,700										85
90	43.0	224.8	31,000	51.7	235.2	27,700	56.5	239.3	25,700										90
95	39.0	219.1	28,900	48.3	231.0	25,800	53.3	235.8	23,900	60.8	240.9	20,800							95
100	34.6	212.4	27,000	44.7	226.2	24,100	50.0	231.9	22,300	57.8	237.9	19,400							100
105	29.7	204.4	25,300	40.9	220.8	22,500	46.5	227.4	20,900	54.6	234.6	18,100							105
110	24.0	194.6	23,800	36.8	214.6	21,100	42.8	222.3	19,600	51.4	230.8	16,900							110
115	16.4	181.0	22,300	32.2	207.3	19,900	38.8	216.5	18,400	48.0	226.6	15,900	55.8	232.0	13,400				115
120				26.9	198.5	18,700	34.4	209.8	17,300	44.4	221.8	14,900	52.6	228.4	12,600				120
125				20.4	187.1	17,600	29.5	201.8	16,300	40.5	216.3	14,000	49.2	224.4	11,800				125
130				10.6	169.0	16,600	23.6	191.8	15,400	36.3	210.0	13,200	45.7	219.8	11,100				130
135							16.0	177.9	14,500	31.6	202.6	12,500	41.9	214.6	10,400	50.2	220.8	8,500	135
140										26.3	193.5	11,800	37.9	208.6	9,800	46.7	216.3	7,900	140
145										19.6	181.7	11,100	33.4	201.6	9,300	43.0	211.3	7,400	145
150										9.0	162.0	10,500	28.3	193.2	8,700	39.1	205.6	7,000	150
155													22.2	182.7	8,200	34.7	198.9	6,500	155
160													13.8	167.3	7,700	29.9	191.0	6,100	160
165																24.1	181.2	5,700	165
170																16.7	167.7	5,300	170

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
105,000 Lb. Counterweight
360 Degree Rating

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

777 SERIES 1

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			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib 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	265.9	50,000 *b																40
45	72.8	264.5	49,100 *																45
50	70.3	262.8	48,300 *																50
55	67.7	260.9	47,400 *																55
60	65.1	258.7	46,700 *																60
65	62.4	256.3	45,900 *	68.9	260.8	42,000													65
70	59.7	253.5	42,600	66.4	258.7	38,100													70
75	56.9	250.4	39,000	63.7	256.4	34,800	67.6	258.6	32,300										75
80	54.0	247.0	35,900	61.0	253.8	32,000	65.0	256.4	29,700										80
85	51.0	243.1	33,100	58.3	250.9	29,500	62.3	253.9	27,400										85
90	47.9	238.9	30,800	55.4	247.6	27,400	59.6	251.1	25,400										90
95	44.6	234.1	28,600	52.5	244.0	25,500	56.8	248.0	23,600										95
100	41.0	228.7	26,800	49.4	239.9	23,800	53.9	244.6	22,000	60.7	249.6	19,000							100
105	37.3	222.5	25,100	46.2	235.4	22,200	50.8	240.7	20,500	58.0	246.6	17,700							105
110	33.1	215.4	23,500	42.7	230.3	20,800	47.7	236.4	19,200	55.1	243.3	16,600							110
115	28.4	207.0	22,100	39.1	224.5	19,600	44.4	231.6	18,000	52.1	239.6	15,500							115
120	22.9	196.6	20,900	35.1	217.9	18,400	40.9	226.2	17,000	49.0	235.5	14,600	56.2	240.7	12,200				120
125	15.7	182.4	19,700	30.7	210.2	17,400	37.1	220.0	16,000	45.8	230.9	13,700	53.2	237.2	11,400				125
130				25.7	200.8	16,400	32.9	212.8	15,100	42.4	225.8	12,900	50.2	233.2	10,700				130
135				19.5	188.8	15,500	28.2	204.3	14,200	38.7	219.9	12,100	47.0	228.8	10,000				135
140				10.1	169.9	14,600	22.6	193.8	13,500	34.7	213.2	11,400	43.6	223.9	9,400	51.1	229.6	7,500	140
145							15.3	179.3	12,700	30.3	205.3	10,800	40.1	218.3	8,900	47.9	225.3	7,000	145
150										25.1	195.8	10,200	36.2	211.9	8,300	44.6	220.5	6,500	150
155										18.7	183.4	9,600	31.9	204.5	7,900	41.1	215.2	6,100	155
160										8.6	162.8	9,000	27.1	195.7	7,400	37.4	209.0	5,700	160
165													21.3	184.6	6,900	33.2	202.0	5,300	165
170													13.2	168.5	6,500	28.6	193.6	5,000	170
175																23.1	183.3	4,600	175
180																15.9	169.2	4,300	180



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
105,000 Lb. Counterweight
360 Degree Rating

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

777 SERIES 1

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			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib 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	274.9	46,100 *																45
50	71.8	273.4	45,300 *																50
55	69.5	271.6	44,600 *																55
60	67.1	269.7	43,900 *																60
65	64.7	267.4	42,600 *	70.6	271.4	41,700													65
70	62.3	264.9	41,000 *	68.3	269.6	37,900													70
75	59.7	262.2	38,800	65.9	267.5	34,600													75
80	57.2	259.1	35,700	63.4	265.1	31,700	67.0	267.3	29,400										80
85	54.5	255.7	32,900	60.9	262.5	29,300	64.6	265.1	27,100										85
90	51.7	251.9	30,500	58.4	259.5	27,100	62.1	262.6	25,100										90
95	48.9	247.8	28,400	55.8	256.3	25,200	59.6	259.8	23,300										95
100	45.9	243.2	26,600	53.1	252.7	23,500	57.0	256.7	21,700										100
105	42.7	238.1	24,900	50.2	248.8	22,000	54.4	253.3	20,300	60.7	258.2	17,400							105
110	39.4	232.3	23,300	47.3	244.4	20,600	51.6	249.5	19,000	58.1	255.3	16,300							110
115	35.7	225.8	21,900	44.2	239.5	19,400	48.7	245.4	17,800	55.5	252.0	15,200							115
120	31.8	218.3	20,700	41.0	234.1	18,200	45.7	240.7	16,700	52.8	248.4	14,300							120
125	27.3	209.5	19,500	37.5	228.0	17,200	42.6	235.6	15,800	49.9	244.4	13,400	56.5	249.4	11,100				125
130	22.0	198.6	18,400	33.7	221.0	16,200	39.2	229.8	14,900	47.0	240.0	12,600	53.8	245.9	10,400				130
135	15.1	183.7	17,400	29.5	212.9	15,300	35.6	223.2	14,000	43.9	235.0	11,900	51.0	242.1	9,800				135
140				24.7	203.1	14,500	31.6	215.7	13,200	40.6	229.5	11,200	48.1	237.8	9,200				140
145				18.7	190.5	13,700	27.1	206.8	12,500	37.1	223.3	10,600	45.1	233.1	8,600	51.8	238.4	6,700	145
150				9.7	170.8	13,000	21.7	195.8	11,800	33.3	216.3	10,000	41.9	227.8	8,100	48.9	234.2	6,300	150
155							14.7	180.6	11,200	29.0	208.0	9,400	38.4	221.9	7,600	46.0	229.7	5,800	155
160										24.1	198.0	8,900	34.7	215.1	7,100	42.8	224.5	5,400	160
165										18.0	185.0	8,400	30.7	207.3	6,700	39.4	218.8	5,100	165
170										8.3	163.5	7,900	26.0	198.1	6,300	35.8	212.3	4,700	170
175													20.4	186.4	5,900	31.9	204.9	4,400	175
180													12.7	169.6	5,500	27.4	196.1	4,100	180

Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
105,000 Lb. Counterweight
360 Degree Rating

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

777 SERIES 1

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			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib 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	285.3	43,000 *																45
50	73.2	283.9	42,300 *																50
55	71.0	282.3	41,600 *																55
60	68.9	280.4	40,600 *																60
65	66.6	278.4	39,100 *																65
70	64.4	276.1	37,600 *	69.9	280.3	37,500													70
75	62.1	273.6	36,100 *	67.7	278.3	34,200													75
80	59.8	270.8	34,700 *	65.5	276.2	31,400													80
85	57.4	267.8	32,700	63.2	273.8	29,000	66.5	276.1	26,700										85
90	54.9	264.4	30,300	60.9	271.1	26,800	64.3	273.8	24,700										90
95	52.4	260.7	28,200	58.5	268.2	24,900	62.0	271.2	22,900										95
100	49.7	256.7	26,300	56.1	265.0	23,200	59.6	268.5	21,300										100
105	47.0	252.2	24,600	53.6	261.5	21,700	57.2	265.4	19,900	63.0	269.6	17,000							105
110	44.1	247.3	23,100	51.0	257.6	20,300	54.8	262.0	18,600	60.6	266.9	15,900							110
115	41.1	241.9	21,700	48.3	253.3	19,000	52.2	258.3	17,500	58.3	263.9	14,800							115
120	37.9	235.8	20,400	45.5	248.7	17,900	49.6	254.2	16,400	55.8	260.7	13,900							120
125	34.4	229.0	19,300	42.6	243.5	16,900	46.8	249.8	15,400	53.3	257.1	13,000							125
130	30.6	221.1	18,200	39.4	237.7	15,900	44.0	244.8	14,500	50.7	253.2	12,200	56.7	258.1	10,000				130
135	26.3	211.9	17,200	36.1	231.3	15,000	40.9	239.4	13,700	48.0	248.9	11,500	54.2	254.7	9,400				135
140	21.2	200.5	16,300	32.5	223.9	14,200	37.7	233.3	12,900	45.2	244.2	10,800	51.7	250.9	8,800				140
145	14.6	185.0	15,400	28.4	215.4	13,400	34.2	226.4	12,200	42.2	239.0	10,200	49.0	246.7	8,200				145
150				23.8	205.2	12,700	30.4	218.5	11,600	39.1	233.2	9,600	46.2	242.2	7,700	52.4	247.2	5,800	150
155				18.0	192.1	12,000	26.1	209.2	10,900	35.7	226.6	9,100	43.3	237.1	7,200	49.8	243.1	5,400	155
160				9.4	171.6	11,400	20.9	197.7	10,300	32.1	219.2	8,500	40.3	231.5	6,800	47.1	238.7	5,000	160
165							14.1	181.8	9,800	28.0	210.5	8,100	37.0	225.3	6,300	44.2	233.8	4,700	165
170										23.2	200.1	7,600	33.4	218.2	5,900	41.2	228.4	4,300	170
175										17.3	186.6	7,100	29.5	210.0	5,600	38.0	222.3	4,000	175
180										8.0	164.2	6,700	25.1	200.3	5,200				180
190													12.2	170.7	4,500				190



Liftcrane Luffing Jib Capacities

Luffing Jib No. 139 On Boom No. 78
105,000 Lb. Counterweight
360 Degree Rating

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

777 SERIES 1

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			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib 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	294.3	39,500 *													50
55	72.3	292.8	38,800 *													55
60	70.3	291.1	37,500 *													60
65	68.3	289.2	36,100 *													65
70	66.2	287.1	34,700 *													70
75	64.1	284.8	33,300 *	69.3	289.1	34,100										75
80	62.0	282.3	31,900 *	67.2	287.1	31,300										80
85	59.8	279.5	30,600 *	65.1	284.9	28,800										85
90	57.5	276.4	29,300 *	63.0	282.4	26,700	66.1	284.8	24,600							90
95	55.2	273.1	28,000 *	60.8	279.8	24,800	64.0	282.5	22,800							95
100	52.9	269.5	26,200	58.6	276.9	23,100	61.9	279.9	21,200							100
105	50.5	265.5	24,500	56.3	273.7	21,600	59.7	277.1	19,800							105
110	47.9	261.2	23,000	54.0	270.2	20,200	57.4	274.1	18,500	62.8	278.2	15,800				110
115	45.3	256.5	21,600	51.6	266.4	18,900	55.1	270.7	17,300	60.6	275.6	14,700				115
120	42.5	251.3	20,300	49.1	262.3	17,800	52.8	267.1	16,300	58.4	272.6	13,800				120
125	39.6	245.6	19,200	46.6	257.7	16,800	50.3	263.1	15,300	56.1	269.4	12,900				125
130	36.5	239.2	18,100	43.9	252.8	15,800	47.8	258.8	14,400	53.8	265.9	12,100				130
135	33.2	232.0	17,200	41.0	247.3	14,900	45.2	254.0	13,600	51.4	262.0	11,400	56.9	266.8	9,200	135
140	29.5	223.8	16,200	38.0	241.3	14,100	42.4	248.8	12,800	48.9	257.9	10,700	54.6	263.4	8,600	140
145	25.4	214.2	15,400	34.8	234.5	13,400	39.5	243.0	12,100	46.3	253.3	10,100	52.3	259.7	8,100	145
150	20.5	202.4	14,600	31.3	226.8	12,600	36.4	236.6	11,500	43.6	248.3	9,500	49.8	255.6	7,600	150
155	14.1	186.3	13,900	27.4	217.9	12,000	33.0	229.4	10,800	40.7	242.8	9,000	47.2	251.2	7,100	155
160				22.9	207.3	11,400	29.3	221.1	10,300	37.7	236.6	8,500	44.6	246.4	6,700	160
165				17.4	193.7	10,800	25.2	211.4	9,700	34.5	229.8	8,000	41.8	241.0	6,200	165
170				9.1	172.4	10,200	20.2	199.5	9,200	30.9	222.0	7,500	38.8	235.1	5,800	170
175							13.6	183.0	8,700	27.0	213.0	7,100	35.7	228.6	5,500	175
180										22.4	202.1	6,700	32.3	221.1	5,100	180
190										7.7	164.9	5,900	24.2	202.5	4,500	190

REFERENCE
ONLY!