

Liftcrane Luffing Jib Capacities

New York City Code
Luffing Jib No. 139 on Boom No. 78
142,000 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

777 SERIES 2

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

LIFTING CAPACITIES: Lifting capacities for various boom lengths, boom angles, luffing jib lengths, and luffing jib operating radii are for freely suspended loads and do not exceed 75% of a static tipping load for boom and luffing jib length combinations thru 250 Ft. and New York City criteria of 1.4 factor applied to total machine moment for boom and luffing jib length combinations 260 Ft. on up. Capacities based on structural competence are denoted by an asterisk (*). Capacities indicated by (b) require 2,825 Lb. minimum block weight.

Lower boom point assembly must be completely removed on 180 Ft. boom length.

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, 142,000 Lb. crane counterweight and two 22,000 Lb. carbody counterweights.

Consult chart **No. 8070-A** for lifting off lower boom point with luffing jib attached. Chart **No. 8070-A** cannot be used when fixed jib No. 138 is attached to luffing jib No. 139.

Deduct From Luffing Jib Capacities When Fixed Jib Is Attached	
Fixed Jib Length	Fixed Jib No.138
30 Ft.	2,300 Lbs.
40 Ft.	2,700 Lbs.
50 Ft.	3,100 Lbs.
60 Ft.	3,600 Lbs.



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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	94,700 *b	67.6	144.1	102,000 *b																40
45	57.2	138.7	84,600 *	63.1	141.8	96,100 *b	66.5	142.9	96,000 b													45
50	52.1	135.2	73,500 *	58.4	139.0	85,100 *	61.9	140.5	83,900 b													50
55	46.8	130.9	64,800 *	53.5	135.6	75,900	57.2	137.6	74,300	63.0	139.6	71,700 b										55
60	40.8	125.7	57,600 *	48.2	131.5	67,100 *	52.2	134.0	66,600	58.3	136.8	64,300										60
65	34.1	119.2	51,700 *	42.4	126.6	59,600 *	46.8	129.7	60,300	53.4	133.4	58,200										65
70	25.9	110.5	46,600 *	36.0	120.4	53,400 *	40.9	124.5	55,000	48.1	129.3	53,100	54.4	132.2	51,200							70
75	13.9	96.7	39,800 *	28.3	112.5	48,100 *	34.2	118.0	50,500	42.3	124.4	48,700	49.2	128.2	47,000							75
80				17.8	100.7	43,400 *	26.0	109.4	46,600	35.8	118.2	45,000	43.5	123.5	43,300	50.0	126.4	41,700				80
85							14.0	95.7	42,400 *	28.1	110.2	41,700	37.2	117.6	40,200	44.5	121.8	38,700				85
90										17.5	98.3	38,800	29.8	110.0	37,400	38.3	116.1	36,000	45.1	119.4	34,700	90
95													20.0	99.2	34,900	31.1	108.9	33,600	39.0	113.8	32,400	95
100																21.9	98.8	31,500	31.9	106.8	30,300	100
105																1.7	74.8	29,500	23.1	97.2	28,500	105
110																			7.5	78.9	26,700	110

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	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib 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	93,200 *b																40
45	61.7	150.3	84,500 *	66.7	152.8	89,600 *																45
50	57.5	147.4	73,600 *	62.7	150.4	84,500 *	65.7	151.6	83,500													50
55	53.2	144.0	64,900 *	58.6	147.6	75,600	61.7	149.2	74,000													55
60	48.6	139.9	57,800 *	54.3	144.3	67,200 *	57.6	146.2	66,300	62.6	148.3	64,000										60
65	43.6	135.1	51,900 *	49.8	140.4	59,700 *	53.2	142.8	60,000	58.5	145.5	57,900										65
70	38.1	129.3	47,000 *	44.9	135.8	53,500 *	48.6	138.7	54,700	54.2	142.2	52,700										70
75	31.9	122.1	42,700 *	39.6	130.3	48,400 *	43.6	133.9	50,200	49.7	138.3	48,400	55.1	140.9	46,600							75
80	24.2	112.7	38,900 *	33.6	123.6	43,900 *	38.1	128.1	46,300	44.8	133.6	44,700	50.6	137.1	43,000							80
85	13.0	97.9	33,600 *	26.4	114.9	40,100 *	31.9	121.0	43,000	39.5	128.1	41,400	45.8	132.6	39,800	51.3	135.3	38,300				85
90				16.6	102.2	36,500 *	24.3	111.6	39,200 *	33.4	121.3	38,500	40.6	127.3	37,100	46.6	130.9	35,700				90
95							13.1	96.8	35,800 *	26.2	112.6	36,000	34.7	120.8	34,600	41.4	125.7	33,300	47.1	128.4	32,000	95
100										16.3	99.8	33,700	27.8	112.6	32,400	35.7	119.5	31,200	42.0	123.4	30,000	100
105													18.7	100.9	30,400	29.0	111.6	29,300	36.4	117.2	28,100	105
110																20.4	100.7	27,500	29.8	109.6	26,500	110
115																1.6	75.0	25,900	21.6	99.2	25,000	115
120																			7.0	79.5	23,500	120



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	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib 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	79,400 *																45
50	61.5	159.0	71,200 *	66.0	161.5	75,900 *																50
55	57.8	156.1	65,400 *	62.4	159.1	72,600 *	65.1	160.3	73,800													55
60	54.0	152.7	58,200 *	58.8	156.3	67,600	61.5	157.8	66,100													60
65	49.9	148.8	52,300 *	55.0	153.0	60,200 *	57.8	154.9	59,800	62.3	157.0	57,600										65
70	45.6	144.2	47,300 *	51.0	149.3	53,900 *	54.0	151.5	54,500	58.7	154.2	52,500										70
75	41.0	138.9	43,100 *	46.8	144.9	48,700 *	49.9	147.6	50,000	54.9	150.9	48,200										75
80	35.8	132.6	39,400 *	42.2	139.8	44,300 *	45.6	143.1	46,200	50.9	147.1	44,400	55.7	149.6	42,700							80
85	30.0	124.9	36,200 *	37.2	133.8	40,500 *	41.0	137.8	42,800	46.7	142.7	41,200	51.7	145.9	39,600							85
90	22.8	114.8	33,300 *	31.6	126.5	37,100 *	35.9	131.5	39,700 *	42.1	137.6	38,300	47.5	141.7	36,900	52.4	144.0	35,400				90
95	12.2	99.0	29,000 *	24.9	117.2	34,100 *	30.0	123.8	36,500 *	37.1	131.6	35,800	43.0	136.7	34,400	48.2	139.9	33,100				95
100				15.7	103.6	31,400 *	22.9	113.7	33,500 *	31.5	124.2	33,500	38.2	130.9	32,200	43.8	135.1	31,000				100
105							12.3	98.0	30,800 *	24.7	114.9	31,500	32.7	123.8	30,300	39.0	129.4	29,100	44.3	132.6	27,900	105
110										15.4	101.2	29,600	26.2	115.0	28,500	33.6	122.6	27,400	39.5	127.1	26,300	110
115													17.6	102.5	26,900	27.3	114.1	25,800	34.2	120.4	24,800	115
120																19.2	102.4	24,400	28.1	112.1	23,400	120
125																1.5	75.1	23,000	20.3	101.0	22,100	125
130																			6.6	80.1	20,900	130

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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	70,600 *																50
55	61.3	167.7	63,200 *	65.4	170.2	67,400 *	67.7	171.3	69,600 *													55
60	58.0	164.7	58,100 *	62.2	167.8	64,400 *	64.6	169.0	65,800													60
65	54.6	161.4	52,200 *	58.9	165.0	60,000 *	61.4	166.5	59,500													65
70	51.0	157.6	47,300 *	55.5	161.7	53,800 *	58.0	163.6	54,200	62.1	165.7	52,200										70
75	47.2	153.3	43,000 *	51.9	158.1	48,600 *	54.6	160.2	49,700	58.8	162.8	47,800										75
80	43.2	148.3	39,400 *	48.2	153.9	44,200 *	51.0	156.4	45,900	55.4	159.6	44,100										80
85	38.8	142.6	36,200 *	44.2	149.1	40,400 *	47.2	152.1	42,500	51.9	155.9	40,900	56.1	158.3	39,200							85
90	34.0	135.8	33,400 *	39.9	143.5	37,100 *	43.2	147.1	39,500	48.1	151.7	38,000	52.6	154.7	36,500							90
95	28.4	127.5	30,800 *	35.3	137.1	34,200 *	38.8	141.4	36,500 *	44.1	146.9	35,500	48.9	150.6	34,100							95
100	21.6	116.8	28,500 *	29.9	129.2	31,600 *	34.0	134.6	33,600 *	39.9	141.3	33,200	44.9	145.9	31,900	49.5	148.8	30,600				100
105	11.6	100.0	25,000 *	23.6	119.3	29,200 *	28.5	126.4	31,100 *	35.1	134.8	31,200	40.7	140.5	30,000	45.6	144.2	28,700				105
110				14.8	105.0	27,000 *	21.7	115.7	28,800 *	29.8	127.0	29,400	36.1	134.2	28,200	41.4	139.0	27,000	46.0	141.8	25,900	110
115							11.7	99.0	26,500 *	23.4	117.0	27,700	30.9	126.7	26,600	36.9	132.8	25,500	41.9	136.6	24,400	115
120										14.6	102.5	26,200	24.8	117.2	25,100	31.8	125.5	24,100	37.4	130.6	23,100	120
125													16.7	104.0	23,800	25.9	116.4	22,800	32.4	123.4	21,800	125
130																18.2	104.1	21,600	26.6	114.6	20,700	130
135																1.4	75.2	20,400	19.3	102.8	19,600	135
140																			6.2	80.7	18,600	140

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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	65,700 *																50
55	64.2	178.9	59,200 *	67.7	181.1	63,000 *																55
60	61.2	176.3	56,500 *	64.9	178.9	60,300 *	67.0	180.0	62,100 *													60
65	58.2	173.4	52,300 *	62.0	176.4	57,600 *	64.2	177.7	59,400													65
70	55.1	170.1	47,400 *	59.0	173.6	53,900 *	61.2	175.2	54,100													70
75	51.8	166.4	43,200 *	55.9	170.4	48,800 *	58.2	172.2	49,700	61.9	174.3	47,800										75
80	48.5	162.2	39,500 *	52.7	166.8	44,400 *	55.1	168.9	45,800	58.9	171.5	44,000										80
85	44.9	157.5	36,400 *	49.3	162.8	40,600 *	51.9	165.2	42,500	55.8	168.3	40,800										85
90	41.1	152.2	33,600 *	45.8	158.2	37,300 *	48.5	161.1	39,500	52.6	164.7	38,000	56.5	167.0	36,400							90
95	36.9	146.0	31,100 *	42.1	153.0	34,400 *	44.9	156.4	36,600 *	49.3	160.6	35,400	53.3	163.4	34,000							95
100	32.3	138.7	28,900 *	38.0	147.1	31,900 *	41.1	151.0	33,800 *	45.7	156.0	33,200	50.0	159.5	31,900							100
105	27.1	130.0	26,800 *	33.6	140.1	29,600 *	36.9	144.8	31,300 *	42.0	150.8	31,200	46.5	155.0	29,900	50.5	157.7	28,700				105
110	20.6	118.7	25,000 *	28.5	131.8	27,500 *	32.4	137.6	29,100 *	37.9	144.9	29,400	42.8	150.0	28,200	47.0	153.3	27,000				110
115	11.1	101.0	22,000 *	22.5	121.3	25,600 *	27.1	128.8	27,100 *	33.5	137.9	27,700	38.8	144.1	26,600	43.4	148.3	25,400	47.4	150.8	24,400	115
120				14.2	106.2	23,700 *	20.7	117.5	25,200 *	28.4	129.6	26,200	34.4	137.4	25,100	39.4	142.6	24,100	43.8	145.9	23,000	120
125							11.2	100.0	23,300 *	22.3	119.0	24,800	29.5	129.4	23,800	35.1	136.1	22,800	39.9	140.3	21,800	125
130										13.9	103.7	23,500	23.6	119.4	22,600	30.3	128.3	21,600	35.6	133.9	20,600	130
135													15.9	105.5	21,400	24.7	118.7	20,500	30.9	126.2	19,600	135
140																17.4	105.7	19,500	25.4	116.9	18,600	140
145																1.3	75.3	18,500	18.3	104.4	17,700	145
150																			5.9	81.2	16,800	150

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70 Ft. Boom, 120 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
40	74.1	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	58,100 *																55
60	63.8	187.6	52,300 *	67.1	189.9	55,600 *																60
65	61.1	185.0	50,100 *	64.5	187.6	53,200 *	66.5	188.7	54,800 *													65
70	58.4	182.1	47,200 *	61.8	185.1	51,000 *	63.8	186.4	52,600 *													70
75	55.5	178.8	43,000 *	59.1	182.3	48,600 *	61.1	183.8	49,400 *													75
80	52.6	175.2	39,400 *	56.3	179.1	44,200 *	58.4	180.9	45,500 *	61.8	183.0	43,700 *										80
85	49.5	171.1	36,200 *	53.3	175.6	40,400 *	55.5	177.6	42,200 *	59.0	180.1	40,500 *										85
90	46.3	166.6	33,400 *	50.3	171.7	37,100 *	52.6	174.0	39,200 *	56.2	177.0	37,600 *										90
95	42.9	161.6	31,000 *	47.1	167.3	34,300 *	49.5	170.0	36,400 *	53.3	173.4	35,100 *	56.8	175.6	33,700 *							95
100	39.2	155.8	28,800 *	43.8	162.3	31,700 *	46.3	165.5	33,700 *	50.2	169.5	32,900 *	53.9	172.2	31,500 *							100
105	35.3	149.2	26,800 *	40.2	156.8	29,400 *	42.9	160.4	31,200 *	47.0	165.1	30,900 *	50.8	168.3	29,600 *							105
110	30.9	141.6	25,000 *	36.3	150.4	27,400 *	39.3	154.7	29,000 *	43.7	160.2	29,100 *	47.7	164.0	27,800 *	51.3	166.5	26,600 *				110
115	25.9	132.3	23,300 *	32.1	143.1	25,500 *	35.3	148.1	27,000 *	40.1	154.6	27,400 *	44.4	159.2	26,200 *	48.2	162.2	25,100 *				115
120	19.7	120.4	21,700 *	27.3	134.3	23,800 *	30.9	140.4	25,100 *	36.3	148.2	25,900 *	40.8	153.8	24,800 *	44.9	157.5	23,700 *				120
125	10.6	102.0	19,200 *	21.5	123.3	22,200 *	25.9	131.2	23,500 *	32.0	140.8	24,600 *	37.1	147.6	23,500 *	41.4	152.2	22,400 *	45.3	155.1	21,400 *	125
130				13.5	107.4	20,700 *	19.8	119.3	21,900 *	27.2	132.0	23,300 *	32.9	140.4	22,300 *	37.7	146.1	21,300 *	41.8	149.8	20,300 *	130
135							10.7	101.0	20,400 *	21.3	120.9	22,100 *	28.2	132.0	21,100 *	33.6	139.2	20,200 *	38.1	143.9	19,300 *	135
140										13.3	104.9	20,800 *	22.6	121.4	20,100 *	29.0	130.9	19,200 *	34.1	137.0	18,300 *	140
145													15.3	106.8	19,100 *	23.6	120.8	18,200 *	29.5	128.9	17,400 *	145
150																16.6	107.2	17,400 *	24.3	119.1	16,600 *	150
155																1.3	75.5	16,500 *	17.6	106.0	15,800 *	155
160																			5.7	81.7	15,000 *	160



Liftcrane Luffing Jib Capacities

777 SERIES 2

New York City Code

Luffing Jib No. 139 on Boom No. 78

142,000 Lb. Crane Counterweight

44,000 Lb. Carbody Counterweight

360 Degree Rating

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

70 Ft. Boom, 130 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
40	75.3	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	45,500 *																65
70	61.0	193.7	41,000 *	64.2	196.3	43,500 *	66.0	197.5	44,800 *													70
75	58.5	190.7	39,300 *	61.7	193.8	41,700 *	63.5	195.1	42,900 *													75
80	55.9	187.5	37,600 *	59.2	190.9	39,900 *	61.1	192.5	41,200 *													80
85	53.2	184.0	36,000 *	56.5	187.8	38,200 *	58.5	189.6	39,500 *	61.6	191.7	40,200										85
90	50.4	180.0	33,600 *	53.9	184.3	36,600 *	55.9	186.3	37,800 *	59.1	188.8	37,400										90
95	47.4	175.6	31,100 *	51.1	180.5	34,400 *	53.2	182.8	36,200 *	56.5	185.7	34,900										95
100	44.4	170.8	28,800 *	48.2	176.2	31,800 *	50.4	178.8	33,800 *	53.8	182.2	32,600	57.0	184.3	31,200							100
105	41.1	165.4	26,800 *	45.2	171.5	29,500 *	47.4	174.5	31,300 *	51.0	178.3	30,600	54.3	180.9	29,300							105
110	37.6	159.3	25,000 *	42.0	166.3	27,500 *	44.4	169.6	29,000 *	48.1	174.1	28,800	51.6	177.1	27,600							110
115	33.9	152.3	23,400 *	38.6	160.4	25,600 *	41.1	164.2	27,000 *	45.1	169.3	27,200	48.7	173.0	26,000	52.0	175.3	24,800				115
120	29.7	144.3	21,800 *	34.9	153.7	23,900 *	37.7	158.1	25,200 *	41.9	164.1	25,700	45.7	168.3	24,600	49.2	171.2	23,400				120
125	24.9	134.6	20,400 *	30.8	145.9	22,300 *	33.9	151.2	23,600 *	38.5	158.2	24,300	42.5	163.2	23,200	46.2	166.6	22,200				125
130	19.0	122.1	19,100 *	26.2	136.7	20,900 *	29.7	143.1	22,000 *	34.8	151.4	23,100	39.2	157.4	22,000	43.1	161.6	21,000	46.5	164.2	20,000	130
135	10.2	102.9	16,900 *	20.6	125.1	19,500 *	24.9	133.4	20,600 *	30.7	143.7	21,900	35.5	150.9	20,900	39.7	155.9	19,900	43.4	159.2	19,000	135
140				13.0	108.6	18,200 *	19.0	121.0	19,300 *	26.1	134.4	20,800	31.6	143.3	19,900	36.2	149.5	19,000	40.1	153.6	18,000	140
145							10.3	101.9	17,900 *	20.5	122.8	19,700 *	27.1	134.4	18,900	32.2	142.1	18,000	36.6	147.2	17,200	145
150										12.8	106.1	18,300 *	21.7	123.4	18,000	27.8	133.5	17,200	32.7	140.0	16,300	150
155													14.7	108.2	17,200	22.7	122.9	16,400	28.4	131.5	15,600	155
160																16.0	108.6	15,600	23.3	121.2	14,800	160
165																1.2	75.6	14,800	16.9	107.5	14,100	165
170																			5.5	82.2	13,400	170

Liftcrane Luffing Jib Capacities

New York City Code
Luffing Jib No. 139 on Boom No. 78
142,000 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

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

777 SERIES 2

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	41,200 *													70
75	61.0	202.3	36,000 *	63.9	205.0	38,300 *	65.6	206.2	39,500 *													75
80	58.6	199.4	34,400 *	61.6	202.4	36,600 *	63.3	203.8	37,800 *													80
85	56.2	196.2	32,900 *	59.2	199.6	35,000 *	61.0	201.1	36,100 *													85
90	53.7	192.7	31,400 *	56.8	196.5	33,400 *	58.6	198.2	34,500 *	61.5	200.3	36,200 *										90
95	51.1	188.8	30,000 *	54.3	193.0	31,900 *	56.2	195.0	33,000 *	59.2	197.5	34,500 *										95
100	48.4	184.6	28,600 *	51.8	189.3	30,500 *	53.7	191.5	31,600 *	56.7	194.3	32,300 *										100
105	45.6	179.9	26,600 *	49.1	185.2	29,100 *	51.1	187.7	30,200 *	54.3	190.9	30,300 *	57.2	193.0	29,000 *							105
110	42.7	174.8	24,800 *	46.3	180.6	27,200 *	48.4	183.4	28,800 *	51.7	187.1	28,500 *	54.8	189.6	27,200 *							110
115	39.5	169.1	23,200 *	43.4	175.6	25,400 *	45.6	178.8	26,800 *	49.0	183.0	26,900 *	52.2	185.9	25,700 *							115
120	36.2	162.6	21,700 *	40.4	170.0	23,700 *	42.7	173.6	25,000 *	46.3	178.4	25,400 *	49.6	181.9	24,200 *	52.6	184.0	23,100 *				120
125	32.6	155.3	20,300 *	37.1	163.8	22,200 *	39.6	167.9	23,400 *	43.4	173.4	24,000 *	46.8	177.4	22,900 *	50.0	180.0	21,800 *				125
130	28.6	146.9	19,000 *	33.6	156.7	20,700 *	36.2	161.5	21,800 *	40.3	167.8	22,800 *	44.0	172.5	21,700 *	47.3	175.6	20,700 *				130
135	23.9	136.7	17,800 *	29.7	148.6	19,400 *	32.6	154.2	20,500 *	37.0	161.6	21,600 *	40.9	167.0	20,600 *	44.4	170.8	19,600 *	47.6	173.2	18,600 *	135
140	18.3	123.8	16,700 *	25.2	139.0	18,200 *	28.6	145.7	19,200 *	33.5	154.5	20,500 *	37.7	160.9	19,600 *	41.4	165.4	18,600 *	44.8	168.4	17,700 *	140
145	9.8	103.8	14,700 *	19.9	126.9	17,000 *	24.0	135.6	18,000 *	29.6	146.3	19,500 *	34.2	154.0	18,600 *	38.2	159.4	17,700 *	41.8	163.1	16,800 *	145
150				12.5	109.7	15,900 *	18.3	122.7	16,800 *	25.1	136.7	18,300 *	30.4	146.1	17,700 *	34.8	152.7	16,800 *	38.6	157.1	16,000 *	150
155							9.9	102.8	15,700 *	19.7	124.6	17,200 *	26.1	136.8	16,900 *	31.0	144.9	16,000 *	35.2	150.5	15,200 *	155
160										12.3	107.2	16,000 *	20.9	125.3	16,100 *	26.8	135.9	15,300 *	31.5	142.9	14,500 *	160
165													14.1	109.4	15,400 *	21.8	124.8	14,600 *	27.3	134.0	13,800 *	165
170																15.4	110.0	13,900 *	22.4	123.2	13,200 *	170
175																1.2	75.7	13,200 *	16.2	109.0	12,600 *	175
180																			5.3	82.6	12,000 *	180



Liftcrane Luffing Jib Capacities

777 SERIES 2

New York City Code

Luffing Jib No. 139 on Boom No. 78

142,000 Lb. Crane Counterweight

44,000 Lb. Carbody Counterweight

360 Degree Rating

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

70 Ft. Boom, 150 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	75.3	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	36,400 *													75
80	60.9	211.0	31,600 *	63.6	213.7	33,700 *	65.2	214.9	34,800 *													80
85	58.7	208.1	30,200 *	61.5	211.1	32,100 *	63.1	212.5	33,200 *													85
90	56.4	204.9	28,800 *	59.3	208.3	30,700 *	60.9	209.8	31,700 *													90
95	54.1	201.4	27,400 *	57.0	205.2	29,200 *	58.7	206.9	30,300 *	61.4	209.0	31,800 *										95
100	51.7	197.6	26,100 *	54.7	201.8	27,800 *	56.4	203.7	28,900 *	59.2	206.1	30,400 *										100
105	49.2	193.5	24,900 *	52.3	198.1	26,500 *	54.1	200.3	27,500 *	57.0	203.0	29,000 *										105
110	46.7	189.0	23,800 *	49.9	194.0	25,300 *	51.7	196.5	26,200 *	54.7	199.6	27,700 *	57.4	201.7	27,100							110
115	44.0	184.1	22,700 *	47.3	189.6	24,100 *	49.2	192.3	25,000 *	52.3	195.9	26,500 *	55.1	198.3	25,500							115
120	41.1	178.6	21,600 *	44.7	184.8	23,000 *	46.7	187.8	23,900 *	49.8	191.9	25,300	52.8	194.7	24,100							120
125	38.2	172.6	20,300 *	41.9	179.5	22,000 *	44.0	182.9	22,800 *	47.3	187.5	23,900	50.3	190.7	22,800							125
130	34.9	165.8	19,000 *	38.9	173.6	20,700 *	41.2	177.5	21,700 *	44.6	182.6	22,700	47.8	186.4	21,600	50.7	188.9	20,600				130
135	31.5	158.2	17,900 *	35.8	167.1	19,500 *	38.2	171.4	20,500 *	41.8	177.3	21,500	45.2	181.6	20,500	48.2	184.6	19,500				135
140	27.6	149.4	16,800 *	32.4	159.7	18,300 *	35.0	164.7	19,200 *	38.9	171.4	20,500	42.4	176.4	19,500	45.6	179.9	18,500				140
145	23.1	138.8	15,700 *	28.6	151.2	17,100 *	31.5	157.1	18,000 *	35.7	164.9	19,500	39.5	170.7	18,500	42.9	174.8	17,600	45.9	177.5	16,700	145
150	17.6	125.4	14,800 *	24.3	141.2	16,100 *	27.6	148.2	16,900 *	32.3	157.4	18,400 *	36.4	164.2	17,600	40.0	169.1	16,700	43.2	172.4	15,900	150
155	9.5	104.6	13,000 *	19.2	128.6	15,100 *	23.2	137.7	15,900 *	28.5	148.9	17,300 *	33.0	157.0	16,800	36.9	162.8	15,900	40.3	166.8	15,100	155
160				12.1	110.8	14,100 *	17.7	124.3	14,900 *	24.2	138.9	16,200 *	29.3	148.8	16,000	33.6	155.7	15,200	37.2	160.6	14,400	160
165							9.6	103.6	13,900 *	19.1	126.3	15,200 *	25.2	139.0	15,300	29.9	147.7	14,500	34.0	153.6	13,700	165
170										11.9	108.2	14,200 *	20.2	127.1	14,600	25.9	138.2	13,800	30.4	145.6	13,100	170
175													13.6	110.6	14,000	21.1	126.7	13,200	26.4	136.4	12,500	175
180																14.9	111.3	12,600	21.7	125.2	11,900	180
190																			5.1	83.1	10,800	190

Liftcrane Luffing Jib Capacities

New York City Code
Luffing Jib No. 139 on Boom No. 78
142,000 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

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

777 SERIES 2

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



Liftcrane Luffing Jib Capacities

777 SERIES 2

New York City Code

Luffing Jib No. 139 on Boom No. 78

142,000 Lb. Crane Counterweight

44,000 Lb. Carbody Counterweight

360 Degree Rating

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

70 Ft. Boom, 170 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	75.4	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	23,700 *													100
105	54.8	218.9	20,000 *	57.4	222.5	21,500 *	58.9	224.2	22,400 *	61.2	226.3	23,700 *										105
110	52.7	215.2	18,900 *	55.3	219.2	20,400 *	56.9	221.1	21,200 *	59.3	223.5	22,600 *										110
115	50.6	211.2	17,900 *	53.3	215.6	19,300 *	54.8	217.7	20,100 *	57.3	220.4	21,400 *										115
120	48.4	207.0	16,900 *	51.1	211.7	18,200 *	52.7	214.0	19,000 *	55.3	217.0	20,300 *	57.7	219.0	21,400 *							120
125	46.1	202.3	16,000 *	48.9	207.5	17,200 *	50.6	210.1	18,000 *	53.2	213.4	19,200 *	55.7	215.7	20,300 *							125
130	43.7	197.3	15,100 *	46.7	203.0	16,300 *	48.4	205.8	17,000 *	51.1	209.6	18,200 *	53.6	212.2	19,300 *							130
135	41.2	191.8	14,200 *	44.3	198.1	15,400 *	46.1	201.2	16,000 *	48.9	205.4	17,200 *	51.5	208.4	18,300 *							135
140	38.5	185.9	13,400 *	41.8	192.7	14,500 *	43.7	196.2	15,100 *	46.6	200.8	16,200 *	49.3	204.2	17,300 *	51.9	206.5	17,900				140
145	35.8	179.3	12,700 *	39.2	186.9	13,700 *	41.2	190.7	14,300 *	44.3	195.9	15,300 *	47.1	199.8	16,400 *	49.7	202.4	17,000				145
150	32.8	171.9	12,000 *	36.5	180.4	12,900 *	38.6	184.7	13,500 *	41.8	190.5	14,500 *	44.7	194.9	15,500 *	47.4	198.0	16,200				150
155	29.5	163.6	11,200 *	33.6	173.3	12,200 *	35.8	178.1	12,700 *	39.2	184.7	13,700 *	42.3	189.7	14,600 *	45.1	193.2	15,400	47.7	195.5	14,500	155
160	25.9	154.1	10,400 *	30.4	165.3	11,400 *	32.8	170.8	12,000 *	36.4	178.2	12,900 *	39.7	183.9	13,800 *	42.7	188.0	14,600	45.4	190.8	13,800	160
165	21.7	142.8	9,600 *	26.9	156.1	10,600 *	29.5	162.5	11,200 *	33.5	171.1	12,200 *	37.0	177.6	13,000 *	40.1	182.4	13,900 *	43.0	185.6	13,100	165
170	16.6	128.4	8,800 *	22.8	145.3	9,800 *	25.9	153.0	10,400 *	30.3	163.0	11,400 *	34.1	170.6	12,300 *	37.4	176.1	13,100 *	40.4	180.0	12,500	170
175				18.0	131.9	9,000 *	21.7	141.7	9,600 *	26.8	153.9	10,500 *	31.0	162.7	11,600 *	34.6	169.3	12,400 *	37.8	173.9	11,900	175
180				11.4	112.9	8,300 *	16.6	127.3	8,800 *	22.8	143.0	9,700 *	27.5	153.8	10,700 *	31.5	161.6	11,700 *	34.9	167.1	11,400	180
190										11.2	110.2	8,300 *	19.0	130.5	9,100 *	24.3	142.7	10,000 *	28.5	150.9	10,300	190
200																14.0	113.8	8,500 *	20.3	128.9	9,300 *	200
210																			4.8	84.0	8,000 *	210



Liftcrane Luffing Jib Capacities

New York City Code
Luffing Jib No. 139 on Boom No. 78
142,000 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

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

777 SERIES 2

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	94,500 *b	68.7	154.5	102,500 *b																40
45	57.5	149.0	86,000 *	64.2	152.3	92,900 *b	68.0	153.5	95,500 b													45
50	52.5	145.5	74,600 *	59.6	149.6	82,200 *	63.5	151.2	83,400 b													50
55	47.2	141.2	65,700 *	54.7	146.4	73,700 *	58.9	148.5	73,900													55
60	41.3	136.1	58,400 *	49.5	142.5	66,600 *	54.0	145.2	66,300	60.8	148.0	63,600										60
65	34.6	129.7	52,400 *	43.9	137.8	60,700 *	48.7	141.2	60,000	56.0	144.9	57,500										65
70	26.6	121.2	47,200 *	37.6	132.0	55,100 *	43.0	136.3	54,700	50.9	141.2	52,500	57.8	143.9	50,300							70
75	15.0	108.1	40,300 *	30.3	124.6	49,600 *	36.6	130.3	50,200	45.4	136.7	48,200	52.8	140.4	46,100							75
80				20.8	114.1	44,800 *	29.1	122.6	46,300	39.3	131.2	44,400	47.4	136.2	42,600							80
85							19.0	111.4	42,900	32.3	124.3	41,200	41.6	131.1	39,500	49.2	134.8	37,800				85
90										23.5	114.9	38,300	35.0	124.8	36,700	43.5	130.1	35,200				90
95										8.8	97.6	35,700	27.0	116.5	34,300	37.2	124.2	32,800	45.1	128.0	31,400	95
100													15.8	103.7	32,100	29.8	116.6	30,800	39.0	122.5	29,400	100
105																20.1	105.9	28,900	31.9	115.5	27,600	105
110																			23.1	105.9	26,000	110
115																			7.5	87.5	24,400	115



Liftcrane Luffing Jib Capacities

777 SERIES 2

New York City Code
Luffing Jib No. 139 on Boom No. 78
142,000 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

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

80 Ft. Boom, 80 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
30	73.6	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	84,500 *	67.6	163.2	90,100 *b																45
50	57.8	157.6	74,700 *	63.7	161.0	81,700 *	67.1	162.2	83,000 b													50
55	53.5	154.2	65,800 *	59.6	158.3	73,100 *	63.1	159.9	73,600													55
60	48.9	150.2	58,600 *	55.4	155.1	66,100 *	59.0	157.2	65,900													60
65	43.9	145.4	52,600 *	50.9	151.4	60,200 *	54.7	153.9	59,700	60.7	156.7	57,200										65
70	38.5	139.7	47,600 *	46.1	146.9	55,200 *	50.2	150.1	54,400	56.5	153.6	52,100										70
75	32.3	132.7	43,200 *	40.9	141.7	49,800 *	45.4	145.5	49,900	52.1	150.0	47,800	58.0	152.5	45,800							75
80	24.8	123.5	39,400 *	35.1	135.3	45,200 *	40.1	140.1	46,100	47.4	145.8	44,100	53.7	149.2	42,200							80
85	14.1	109.3	34,000 *	28.3	127.2	41,200 *	34.2	133.5	42,700	42.3	140.8	40,900	49.1	145.2	39,100							85
90				19.4	115.9	37,600 *	27.2	125.1	39,700	36.7	134.7	38,100	44.2	140.5	36,400	50.6	143.7	34,800				90
95							17.8	113.0	37,100	30.1	127.1	35,500	38.8	134.8	34,000	45.8	139.2	32,500				95
100										22.0	116.9	33,300	32.7	127.8	31,800	40.6	133.9	30,400	47.1	137.1	29,000	100
105										8.2	98.3	31,200	25.3	118.8	29,900	34.7	127.4	28,500	42.0	132.0	27,200	105
110													14.8	105.1	28,100	27.8	119.2	26,900	36.4	125.9	25,600	110
115																18.8	107.6	25,300	29.8	118.2	24,200	115
120																			21.6	107.8	22,800	120
125																			7.0	88.2	21,500	125

Liftcrane Luffing Jib Capacities

New York City Code
Luffing Jib No. 139 on Boom No. 78
142,000 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

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

777 SERIES 2

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	80,100 *b																45
50	61.7	169.2	71,300 *	66.8	172.0	76,600 *																50
55	58.1	166.3	66,300 *	63.3	169.7	73,200 *	66.3	171.0	73,300													55
60	54.2	162.9	59,000 *	59.7	166.9	66,100 *	62.8	168.6	65,700													60
65	50.2	159.1	53,000 *	55.9	163.8	60,100 *	59.1	165.8	59,400													65
70	45.9	154.6	48,000 *	52.0	160.2	55,100 *	55.3	162.6	54,200	60.6	165.3	51,900										70
75	41.3	149.3	43,600 *	47.8	155.9	50,200 *	51.4	158.9	49,700	56.9	162.3	47,600										75
80	36.2	143.1	39,900 *	43.4	151.0	45,600 *	47.2	154.6	45,900	53.0	158.8	43,900										80
85	30.4	135.5	36,600 *	38.5	145.3	41,600 *	42.7	149.6	42,500	48.9	154.7	40,700	54.4	157.9	38,900							85
90	23.4	125.6	33,700 *	33.0	138.3	38,200 *	37.7	143.6	39,600	44.5	150.0	37,900	50.4	154.0	36,200							90
95	13.3	110.5	29,300 *	26.6	129.6	35,100 *	32.2	136.5	37,000	39.8	144.5	35,400	46.1	149.6	33,800	51.7	152.5	32,200				95
100				18.3	117.5	32,300 *	25.6	127.4	34,600	34.5	137.9	33,100	41.6	144.4	31,600	47.6	148.3	30,200				100
105							16.7	114.5	31,900 *	28.4	129.7	31,100	36.5	138.2	29,700	43.1	143.3	28,300				105
110										20.7	118.8	29,300	30.7	130.7	28,000	38.2	137.5	26,700	44.3	141.3	25,400	110
115										7.7	99.0	27,600	23.8	121.0	26,400	32.7	130.5	25,100	39.5	135.7	23,900	115
120													13.9	106.3	24,900	26.2	121.6	23,800	34.2	129.1	22,600	120
125																17.7	109.2	22,500	28.1	120.8	21,400	125
130																			20.3	109.7	20,300	130
135																			6.6	88.8	19,200	135



Liftcrane Luffing Jib Capacities

777 SERIES 2

New York City Code
Luffing Jib No. 139 on Boom No. 78
142,000 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

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

80 Ft. Boom, 100 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
35	74.0	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	71,200 *																50
55	61.6	177.9	63,300 *	66.1	180.7	68,000 *																55
60	58.3	175.0	58,900 *	63.0	178.3	65,000 *	65.7	179.7	65,400													60
65	54.8	171.7	52,900 *	59.7	175.6	59,700 *	62.5	177.3	59,100													65
70	51.2	167.9	47,900 *	56.3	172.5	54,600 *	59.2	174.5	53,900													70
75	47.5	163.6	43,600 *	52.8	168.9	50,100 *	55.8	171.3	49,400	60.5	174.0	47,200										75
80	43.4	158.7	39,900 *	49.1	164.9	45,500 *	52.3	167.7	45,600	57.2	171.0	43,500										80
85	39.1	153.0	36,600 *	45.2	160.2	41,600 *	48.6	163.5	42,200	53.7	167.5	40,300										85
90	34.3	146.3	33,800 *	41.0	154.9	38,100 *	44.6	158.8	39,300	50.1	163.6	37,500	55.0	166.6	35,800							90
95	28.8	138.1	31,200 *	36.4	148.7	35,100 *	40.4	153.3	36,700	46.2	159.1	35,000	51.4	162.9	33,400							95
100	22.2	127.7	28,900 *	31.3	141.2	32,400 *	35.7	147.0	34,400	42.1	154.0	32,800	47.7	158.6	31,300	52.6	161.3	29,800				100
105	12.6	111.7	25,200 *	25.3	131.9	30,000 *	30.5	139.3	32,100 *	37.6	148.0	30,800	43.7	153.7	29,400	48.9	157.2	27,900				105
110				17.4	119.1	27,700 *	24.2	129.6	29,700 *	32.7	140.9	29,000	39.3	148.1	27,600	45.0	152.5	26,300				110
115							15.9	115.9	27,500 *	26.9	132.2	27,400	34.6	141.4	26,100	40.8	147.1	24,800	46.0	150.4	23,500	115
120										19.6	120.5	25,900	29.1	133.4	24,600	36.2	140.8	23,400	41.9	145.3	22,200	120
125										7.3	99.7	24,400	22.6	123.0	23,300	31.0	133.3	22,200	37.4	139.2	21,000	125
130													13.2	107.5	22,100	24.8	123.9	21,000	32.4	132.1	19,900	130
135																16.8	110.7	19,900	26.6	123.2	18,900	135
140																			19.3	111.4	17,900	140
145																			6.2	89.3	17,000	145

Liftcrane Luffing Jib Capacities

New York City Code
Luffing Jib No. 139 on Boom No. 78
142,000 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

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

777 SERIES 2

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	59,300 *	68.4	191.6	63,300 *																55
60	61.4	186.5	56,700 *	65.6	189.4	60,800 *	68.0	190.6	62,700 *													60
65	58.4	183.6	53,000 *	62.7	187.0	58,200 *	65.2	188.4	59,000													65
70	55.3	180.4	48,000 *	59.7	184.3	54,500 *	62.3	185.9	53,800													70
75	52.1	176.7	43,700 *	56.7	181.2	50,200 *	59.3	183.1	49,300													75
80	48.7	172.5	40,000 *	53.5	177.7	45,600 *	56.2	180.0	45,500	60.5	182.7	43,500										80
85	45.1	167.9	36,800 *	50.2	173.7	41,700 *	53.0	176.4	42,200	57.5	179.6	40,300										85
90	41.3	162.6	34,000 *	46.7	169.3	38,300 *	49.7	172.4	39,200	54.3	176.3	37,500										90
95	37.2	156.4	31,500 *	43.0	164.3	35,300 *	46.2	167.9	36,700	51.0	172.4	35,000	55.5	175.3	33,300							95
100	32.7	149.3	29,200 *	39.0	158.5	32,700 *	42.4	162.8	34,300	47.6	168.1	32,800	52.2	171.6	31,200							100
105	27.5	140.6	27,200 *	34.7	151.9	30,300 *	38.4	156.9	32,300	44.0	163.3	30,800	48.9	167.5	29,300							105
110	21.1	129.6	25,300 *	29.8	143.9	28,200 *	34.0	150.1	30,000 *	40.1	157.7	29,000	45.3	162.9	27,600	50.0	166.1	26,200				110
115	12.0	112.7	22,200 *	24.1	134.1	26,200 *	29.0	141.9	27,900 *	35.8	151.3	27,400	41.5	157.6	26,000	46.5	161.6	24,700				115
120				16.6	120.6	24,400 *	23.1	131.7	26,000 *	31.1	143.8	25,900	37.4	151.5	24,600	42.8	156.5	23,400	47.4	159.5	22,200	120
125							15.1	117.3	24,200 *	25.6	134.5	24,500	32.9	144.4	23,300	38.8	150.7	22,100	43.8	154.6	21,000	125
130										18.7	122.2	23,200	27.7	135.9	22,100	34.4	144.0	21,000	39.9	149.0	19,900	130
135										7.0	100.3	22,000	21.5	125.0	21,000	29.5	136.0	19,900	35.6	142.5	18,900	135
140													12.6	108.7	19,900	23.7	126.0	18,900	30.9	134.9	17,900	140
145																16.0	112.1	18,000	25.4	125.5	17,100	145
150																			18.3	113.1	16,200	150
155																			5.9	89.8	15,400	155



Liftcrane Luffing Jib Capacities

777 SERIES 2

New York City Code
Luffing Jib No. 139 on Boom No. 78
142,000 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

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

80 Ft. Boom, 120 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Oper. Rad. Feet
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	58,400 *																55
60	64.0	197.8	52,400 *	67.7	200.3	56,000 *																60
65	61.3	195.2	50,100 *	65.1	198.1	53,700 *	67.4	199.3	55,400 *													65
70	58.6	192.3	47,800 *	62.5	195.7	51,500 *	64.8	197.1	53,200 *													70
75	55.7	189.1	43,500 *	59.8	192.9	49,300 *	62.1	194.6	49,000													75
80	52.8	185.5	39,800 *	57.0	189.8	45,400 *	59.3	191.8	45,200													80
85	49.7	181.4	36,600 *	54.1	186.4	41,500 *	56.5	188.7	41,900	60.4	191.3	39,900										85
90	46.5	177.0	33,800 *	51.0	182.6	38,100 *	53.6	185.2	38,900	57.7	188.3	37,100										90
95	43.1	171.9	31,300 *	47.9	178.3	35,100 *	50.6	181.3	36,400	54.8	185.0	34,600										95
100	39.5	166.2	29,100 *	44.6	173.5	32,500 *	47.4	176.9	34,000	51.8	181.2	32,400	55.9	184.0	30,800							100
105	35.6	159.7	27,100 *	41.1	168.1	30,200 *	44.1	172.1	32,000	48.7	177.1	30,500	52.9	180.4	29,000							105
110	31.2	152.1	25,300 *	37.3	162.0	28,100 *	40.5	166.6	29,900 *	45.5	172.4	28,700	49.9	176.4	27,200							110
115	26.3	143.0	23,600 *	33.2	154.9	26,100 *	36.7	160.3	27,800 *	42.0	167.2	27,000	46.7	172.0	25,700	50.9	174.9	24,400				115
120	20.2	131.4	22,000 *	28.5	146.5	24,400 *	32.5	153.1	25,900 *	38.3	161.3	25,600	43.3	167.0	24,300	47.7	170.6	23,000				120
125	11.5	113.8	19,300 *	23.0	136.2	22,800 *	27.8	144.5	24,200 *	34.3	154.5	24,200	39.7	161.3	23,000	44.4	165.8	21,800				125
130				15.8	122.0	21,200 *	22.1	133.7	22,600 *	29.8	146.5	23,000	35.8	154.8	21,800	40.9	160.4	20,600	45.3	163.7	19,500	130
135							14.5	118.6	21,100 *	24.5	136.7	21,800	31.5	147.3	20,700	37.1	154.2	19,600	41.8	158.5	18,500	135
140										17.9	123.8	20,700	26.5	138.3	19,700	32.9	147.0	18,600	38.1	152.5	17,600	140
145										6.7	100.9	19,700	20.6	126.8	18,700	28.2	138.6	17,700	34.1	145.7	16,700	145
150													12.1	109.7	17,800	22.7	128.1	16,800	29.5	137.6	15,900	150
155																15.3	113.5	16,000	24.3	127.7	15,100	155
160																			17.6	114.7	14,400	160
165																			5.7	90.4	13,700	165

Liftcrane Luffing Jib Capacities

New York City Code
Luffing Jib No. 139 on Boom No. 78
142,000 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

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

777 SERIES 2

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	45,800 *																65
70	61.2	203.8	41,100 *	64.8	206.8	43,900 *	66.8	208.1	45,300 *													70
75	58.7	200.9	39,400 *	62.3	204.4	42,100 *	64.4	205.8	43,500 *													75
80	56.0	197.7	37,700 *	59.8	201.6	40,300 *	61.9	203.3	41,800 *													80
85	53.3	194.2	36,200 *	57.2	198.5	38,700 *	59.4	200.5	40,100 *	62.9	202.7	39,700										85
90	50.5	190.3	34,000 *	54.5	195.1	37,100 *	56.8	197.3	38,400 *	60.4	200.0	36,900										90
95	47.6	186.0	31,400 *	51.8	191.4	35,300 *	54.1	193.9	36,100	57.8	197.0	34,400										95
100	44.6	181.1	29,200 *	48.9	187.2	32,600 *	51.4	190.1	33,800	55.2	193.7	32,200										100
105	41.3	175.8	27,200 *	45.9	182.6	30,200 *	48.5	185.9	31,800	52.5	190.0	30,200	56.2	192.7	28,700							105
110	37.9	169.7	25,300 *	42.8	177.5	28,100 *	45.5	181.2	29,900	49.6	186.0	28,400	53.5	189.2	27,000							110
115	34.1	162.9	23,600 *	39.4	171.8	26,200 *	42.3	176.0	27,900 *	46.7	181.5	26,800	50.7	185.3	25,400							115
120	30.0	154.9	22,100 *	35.8	165.3	24,500 *	38.9	170.2	26,000 *	43.6	176.5	25,300	47.8	181.0	24,000	51.6	183.7	22,700				120
125	25.2	145.3	20,700 *	31.8	157.8	22,900 *	35.2	163.6	24,300 *	40.3	171.0	24,000	44.7	176.2	22,700	48.7	179.6	21,500				125
130	19.4	133.1	19,300 *	27.4	149.0	21,400 *	31.2	155.9	22,700 *	36.7	164.7	22,700	41.5	170.8	21,500	45.7	174.9	20,400				130
135	11.0	114.8	17,000 *	22.1	138.2	20,000 *	26.7	146.9	21,200 *	32.9	157.5	21,600	38.1	164.8	20,400	42.6	169.8	19,300	46.5	172.8	18,200	135
140				15.2	123.4	18,700 *	21.2	135.6	19,900 *	28.6	149.1	20,500	34.3	158.0	19,400	39.2	164.0	18,400	43.4	167.8	17,300	140
145							13.9	119.8	18,600 *	23.5	138.8	19,500	30.2	150.1	18,500	35.6	157.5	17,500	40.1	162.2	16,500	145
150										17.2	125.4	18,600	25.5	140.6	17,600	31.6	149.9	16,600	36.6	155.9	15,700	150
155										6.4	101.5	17,700	19.8	128.6	16,800	27.1	141.0	15,800	32.7	148.7	14,900	155
160													11.6	110.8	16,000	21.8	130.0	15,100	28.4	140.2	14,200	160
165																14.7	114.8	14,400	23.3	129.8	13,500	165
170																			16.9	116.2	12,900	170
175																			5.5	90.8	12,300	175

Liftcrane Luffing Jib Capacities

777 SERIES 2

New York City Code

Luffing Jib No. 139 on Boom No. 78

142,000 Lb. Crane Counterweight

44,000 Lb. Carbody Counterweight

360 Degree Rating

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

80 Ft. Boom, 140 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Oper. Rad. Feet
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	40,400 *																70
75	61.1	212.5	36,100 *	64.4	215.5	38,700 *	66.3	216.8	39,900 *													75
80	58.8	209.6	34,500 *	62.1	213.0	37,000 *	64.1	214.5	38,300 *													80
85	56.3	206.4	33,000 *	59.8	210.2	35,400 *	61.8	211.9	36,600 *													85
90	53.8	202.9	31,500 *	57.4	207.2	33,800 *	59.4	209.1	35,100 *	62.7	211.3	36,500										90
95	51.3	199.1	30,200 *	54.9	203.8	32,300 *	57.0	206.0	33,600 *	60.4	208.6	34,000										95
100	48.6	194.9	28,800 *	52.4	200.2	30,900 *	54.6	202.6	32,100 *	58.0	205.7	31,800										100
105	45.8	190.3	26,900 *	49.8	196.1	29,600 *	52.0	198.9	30,700 *	55.6	202.4	29,900										105
110	42.9	185.2	25,100 *	47.0	191.7	27,900 *	49.4	194.8	29,400 *	53.0	198.8	28,100	56.5	201.4	26,600							110
115	39.8	179.5	23,500 *	44.2	186.8	26,000 *	46.6	190.3	27,700 *	50.4	194.8	26,500	54.0	197.9	25,100							115
120	36.5	173.1	21,900 *	41.1	181.4	24,300 *	43.7	185.3	25,800 *	47.7	190.5	25,000	51.4	194.1	23,700							120
125	32.9	165.9	20,500 *	37.9	175.3	22,700 *	40.7	179.8	24,100 *	44.9	185.7	23,700	48.7	189.9	22,400	52.2	192.5	21,100				125
130	28.9	157.5	19,200 *	34.5	168.5	21,200 *	37.4	173.6	22,500 *	41.9	180.4	22,400	45.9	185.3	21,200	49.6	188.5	20,000				130
135	24.3	147.5	18,000 *	30.6	160.6	19,900 *	33.9	166.7	21,100 *	38.8	174.6	21,300	43.0	180.2	20,100	46.9	184.0	19,000				135
140	18.7	134.8	16,900 *	26.4	151.4	18,600 *	30.0	158.7	19,800 *	35.4	167.9	20,200	39.9	174.5	19,100	44.0	179.1	18,000	47.6	181.8	16,900	140
145	10.6	115.7	14,800 *	21.3	140.1	17,500 *	25.7	149.2	18,500 *	31.6	160.4	19,200	36.6	168.2	18,200	40.9	173.6	17,100	44.8	177.0	16,100	145
150				14.7	124.7	16,300 *	20.4	137.5	17,400 *	27.5	151.6	18,300	33.0	161.0	17,300	37.7	167.5	16,300	41.8	171.7	15,300	150
155							13.4	121.0	16,200 *	22.7	140.9	17,500	29.1	152.7	16,500	34.2	160.6	15,500	38.6	165.8	14,500	155
160										16.6	126.9	16,700	24.5	142.8	15,700	30.4	152.7	14,800	35.2	159.1	13,900	160
165										6.2	102.0	15,600 *	19.0	130.3	15,000	26.1	143.4	14,100	31.5	151.5	13,200	165
170													11.2	111.8	14,300	21.0	131.9	13,400	27.3	142.7	12,600	170
175																14.2	116.1	12,800	22.4	131.9	12,000	175
180																			16.2	117.6	11,400	180

Liftcrane Luffing Jib Capacities

New York City Code
Luffing Jib No. 139 on Boom No. 78
142,000 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

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

777 SERIES 2

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	36,800 *													75
80	61.1	221.2	31,700 *	64.1	224.2	34,100 *	65.9	225.5	35,200 *													80
85	58.8	218.3	30,300 *	62.0	221.7	32,500 *	63.8	223.2	33,700 *													85
90	56.6	215.1	28,900 *	59.8	218.9	31,000 *	61.7	220.6	32,200 *													90
95	54.3	211.7	27,500 *	57.6	215.9	29,600 *	59.5	217.8	30,800 *	62.5	220.0	32,400 *										95
100	51.9	207.9	26,200 *	55.3	212.5	28,200 *	57.2	214.7	29,400 *	60.4	217.3	31,100 *										100
105	49.4	203.8	25,000 *	52.9	208.9	26,900 *	54.9	211.3	28,000 *	58.1	214.3	29,800 *										105
110	46.8	199.3	23,900 *	50.5	205.0	25,700 *	52.6	207.7	26,800 *	55.9	211.1	28,000 *										110
115	44.2	194.4	22,800 *	48.0	200.7	24,500 *	50.1	203.7	25,500 *	53.5	207.5	26,400 *	56.7	210.0	25,000 *							115
120	41.3	189.0	21,800 *	45.3	195.9	23,400 *	47.6	199.3	24,400 *	51.1	203.7	24,900 *	54.4	206.6	23,600 *							120
125	38.4	183.0	20,500 *	42.6	190.8	22,300 *	44.9	194.5	23,300 *	48.6	199.5	23,600 *	52.0	202.9	22,300 *							125
130	35.2	176.3	19,300 *	39.7	185.0	21,200 *	42.2	189.3	22,200 *	46.0	194.8	22,300 *	49.5	198.8	21,100 *	52.8	201.3	19,900 *				130
135	31.7	168.8	18,100 *	36.6	178.7	19,900 *	39.2	183.4	21,100 *	43.3	189.8	21,200 *	47.0	194.3	20,000 *	50.3	197.3	18,900 *				135
140	27.9	160.0	17,000 *	33.3	171.5	18,700 *	36.1	177.0	19,800 *	40.4	184.2	20,100 *	44.3	189.4	19,000 *	47.8	193.0	17,900 *				140
145	23.5	149.6	16,000 *	29.6	163.3	17,600 *	32.7	169.7	18,600 *	37.4	178.0	19,200 *	41.5	184.1	18,100 *	45.2	188.2	17,000 *				145
150	18.1	136.4	15,000 *	25.5	153.7	16,500 *	29.0	161.3	17,400 *	34.1	171.1	18,200 *	38.5	178.1	17,200 *	42.4	183.0	16,200 *	45.9	186.1	15,200 *	150
155	10.3	116.6	13,100 *	20.6	141.9	15,500 *	24.8	151.4	16,400 *	30.5	163.2	17,400 *	35.3	171.5	16,400 *	39.5	177.3	15,400 *	43.2	181.1	14,400 *	155
160				14.2	126.0	14,500 *	19.7	139.2	15,400 *	26.5	154.0	16,600 *	31.9	163.9	15,600 *	36.4	170.8	14,700 *	40.3	175.5	13,800 *	160
165							13.0	122.2	14,400 *	21.9	142.9	15,800 *	28.1	155.3	14,900 *	33.0	163.6	14,000 *	37.2	169.2	13,100 *	165
170										16.0	128.3	14,900 *	23.7	145.0	14,200 *	29.4	155.4	13,400 *	34.0	162.2	12,500 *	170
175										6.0	102.6	13,800 *	18.4	132.0	13,600 *	25.2	145.7	12,700 *	30.4	154.3	11,900 *	175
180													10.8	112.7	13,000 *	20.2	133.7	12,200 *	26.4	145.0	11,400 *	180
190																			15.7	119.0	10,400 *	190



Liftcrane Luffing Jib Capacities

777 SERIES 2

New York City Code
Luffing Jib No. 139 on Boom No. 78
142,000 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

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

80 Ft. Boom, 160 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	74.6	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	32,100 *													80
85	61.0	229.8	27,400 *	63.9	232.9	29,500 *	65.6	234.2	30,600 *													85
90	58.9	226.9	26,000 *	61.9	230.4	28,100 *	63.6	231.9	29,200 *													90
95	56.8	223.8	24,700 *	59.8	227.6	26,700 *	61.6	229.3	27,800 *													95
100	54.6	220.4	23,500 *	57.7	224.5	25,400 *	59.5	226.4	26,500 *	62.4	228.7	28,000 *										100
105	52.4	216.7	22,300 *	55.6	221.2	24,100 *	57.4	223.4	25,200 *	60.3	226.0	26,700 *										105
110	50.1	212.7	21,100 *	53.4	217.7	22,900 *	55.3	220.0	23,900 *	58.3	223.0	25,500 *										110
115	47.7	208.3	20,100 *	51.1	213.8	21,700 *	53.0	216.4	22,700 *	56.1	219.8	24,300 *										115
120	45.3	203.6	19,000 *	48.8	209.6	20,600 *	50.8	212.5	21,600 *	53.9	216.3	23,100 *	56.9	218.7	23,200							120
125	42.7	198.4	18,100 *	46.3	205.0	19,600 *	48.4	208.3	20,500 *	51.7	212.5	22,000 *	54.7	215.3	21,900							125
130	40.0	192.7	17,200 *	43.8	200.0	18,600 *	46.0	203.6	19,400 *	49.4	208.4	20,900 *	52.5	211.7	20,800							130
135	37.1	186.4	16,300 *	41.2	194.6	17,600 *	43.4	198.6	18,500 *	47.0	203.9	19,800 *	50.2	207.7	19,700							135
140	34.0	179.4	15,500 *	38.4	188.6	16,700 *	40.8	193.0	17,500 *	44.5	199.0	18,800 *	47.9	203.3	18,700	51.0	206.1	17,500				140
145	30.7	171.6	14,700 *	35.4	181.9	15,900 *	37.9	186.9	16,600 *	41.9	193.7	17,900 *	45.4	198.6	17,700	48.6	201.9	16,700				145
150	27.0	162.5	14,000 *	32.2	174.4	15,100 *	34.9	180.2	15,800 *	39.1	187.8	17,000 *	42.8	193.4	16,900	46.2	197.3	15,800				150
155	22.7	151.7	13,400 *	28.6	165.9	14,400 *	31.7	172.6	15,000 *	36.2	181.3	16,100 *	40.1	187.8	16,100	43.7	192.3	15,100	46.9	195.2	14,100	155
160	17.5	138.0	12,800 *	24.6	155.9	13,700 *	28.1	163.8	14,300 *	33.0	174.1	15,300 *	37.3	181.5	15,300	41.0	186.8	14,300	44.4	190.3	13,400	160
165	9.9	117.5	11,400 *	19.9	143.7	13,100 *	24.0	153.6	13,600 *	29.6	165.8	14,600 *	34.2	174.6	14,600	38.2	180.8	13,700	41.7	184.9	12,800	165
170				13.7	127.2	12,500 *	19.1	140.9	13,000 *	25.7	156.3	13,900 *	30.9	166.7	13,900	35.2	174.1	13,000	39.0	179.1	12,100	170
175							12.5	123.3	12,500 *	21.2	144.8	13,200 *	27.2	157.7	13,300	32.0	166.5	12,400	36.0	172.5	11,600	175
180										15.5	129.7	12,700 *	22.9	147.0	12,700	28.4	157.9	11,900	32.9	165.2	11,000	180
190													10.4	113.7	11,600	19.6	135.5	10,800	25.5	147.3	10,000	190
200																			15.2	120.4	9,100	200

Liftcrane Luffing Jib Capacities

New York City Code
Luffing Jib No. 139 on Boom No. 78
142,000 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

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

777 SERIES 2

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	25,400 *													95
100	57.0	232.5	21,300 *	59.8	236.2	23,100 *	61.5	237.9	24,100 *													100
105	55.0	229.1	20,100 *	57.9	233.2	21,900 *	59.5	235.1	22,900 *	62.2	237.4	24,300 *										105
110	52.9	225.5	19,000 *	55.8	229.9	20,700 *	57.6	232.0	21,700 *	60.3	234.6	23,200 *										110
115	50.7	221.5	18,000 *	53.8	226.4	19,600 *	55.5	228.7	20,500 *	58.4	231.7	22,000 *										115
120	48.5	217.3	17,000 *	51.7	222.6	18,500 *	53.5	225.2	19,400 *	56.4	228.4	20,900 *										120
125	46.2	212.7	16,100 *	49.5	218.5	17,500 *	51.3	221.3	18,400 *	54.3	225.0	19,800 *	57.1	227.4	21,000 *							125
130	43.8	207.7	15,200 *	47.2	214.0	16,500 *	49.2	217.2	17,400 *	52.2	221.3	18,700 *	55.1	224.0	20,000 *							130
135	41.4	202.2	14,400 *	44.9	209.2	15,600 *	46.9	212.7	16,400 *	50.0	217.2	17,700 *	53.0	220.4	19,000 *							135
140	38.7	196.3	13,600 *	42.4	204.0	14,800 *	44.5	207.8	15,500 *	47.8	212.9	16,800 *	50.8	216.5	18,000 *							140
145	36.0	189.7	12,800 *	39.9	198.3	13,900 *	42.1	202.5	14,600 *	45.5	208.1	15,900 *	48.6	212.3	17,000 *	51.5	215.0	16,400				145
150	33.0	182.5	12,100 *	37.2	192.0	13,200 *	39.5	196.7	13,800 *	43.1	203.0	15,000 *	46.3	207.7	16,100 *	49.4	210.8	15,600				150
155	29.7	174.3	11,300 *	34.3	185.0	12,400 *	36.8	190.3	13,100 *	40.5	197.4	14,200 *	44.0	202.7	15,300 *	47.1	206.4	14,800				155
160	26.1	164.8	10,500 *	31.2	177.3	11,700 *	33.9	183.3	12,300 *	37.9	191.3	13,400 *	41.5	197.3	14,400 *	44.7	201.5	14,100	47.7	204.2	13,100	160
165	22.0	153.6	9,700 *	27.8	168.4	10,800 *	30.7	175.3	11,600 *	35.0	184.5	12,600 *	38.9	191.4	13,600 *	42.3	196.2	13,400	45.4	199.4	12,500	165
170	17.0	139.5	8,900 *	23.9	158.1	10,000 *	27.2	166.3	10,700 *	32.0	177.0	11,900 *	36.1	184.8	12,900 *	39.7	190.5	12,800	43.0	194.3	11,900	170
175	9.6	118.4	8,200 *	19.3	145.5	9,200 *	23.3	155.7	9,900 *	28.7	168.4	11,000 *	33.1	177.6	12,100 *	37.0	184.2	12,200	40.4	188.7	11,300	175
180				13.3	128.4	8,500 *	18.5	142.6	9,100 *	24.9	158.5	10,200 *	29.9	169.5	11,400 *	34.1	177.2	11,600	37.8	182.5	10,800	180
190										15.0	131.0	8,700 *	22.2	149.0	9,700 *	27.5	160.4	10,600	31.8	168.1	9,800	190
200													10.1	114.6	8,200 *	19.0	137.2	9,200 *	24.7	149.6	8,900	200
210																			14.7	121.7	8,100	210

Liftcrane Luffing Jib Capacities

777 SERIES 2

New York City Code

Luffing Jib No. 139 on Boom No. 78

142,000 Lb. Crane Counterweight

44,000 Lb. Carbody Counterweight

360 Degree Rating

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

90 Ft. Boom, 70 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
30	71.5	166.3	103,700 *b																			30
35	67.1	164.4	99,400 *b																			35
40	62.6	162.0	94,300 *b	69.8	164.9	102,800 *b																40
45	57.8	159.2	86,800 *	65.3	162.8	94,000 *b																45
50	52.9	155.7	75,300 *	60.7	160.2	83,200 *	65.1	161.9	82,600 b													50
55	47.5	151.5	66,200 *	55.9	157.2	74,500 *	60.5	159.4	73,200													55
60	41.7	146.5	58,800 *	50.8	153.4	67,400 *	55.7	156.2	65,700													60
65	35.1	140.2	52,700 *	45.3	149.0	61,100	50.6	152.5	59,400	58.5	156.3	56,700										65
70	27.2	131.9	47,500 *	39.2	143.5	55,700	45.1	148.0	54,200	53.5	152.9	51,700										70
75	16.1	119.3	41,100 *	32.2	136.5	50,800 *	38.9	142.4	49,700	48.3	148.8	47,400	56.2	152.2	45,200							75
80				23.4	127.0	45,900 *	31.9	135.4	45,900	42.5	143.9	43,800	51.1	148.6	41,700							80
85				8.5	109.6	38,700 *	23.0	125.7	42,500	36.1	137.8	40,600	45.7	144.1	38,600							85
90							7.2	107.2	39,200 *	28.4	129.8	37,800	39.6	138.7	36,000	48.4	143.2	34,200				90
95										17.9	118.1	35,300	32.7	131.8	33,600	42.6	138.3	31,900				95
100													24.0	122.6	31,500	36.2	132.2	29,900	45.1	136.7	28,400	100
105													10.0	106.3	29,500	28.5	124.3	28,100	39.0	131.1	26,700	105
110																18.1	112.7	26,400	31.9	124.1	25,100	110
115																			23.1	114.5	23,600	115
120																			7.5	96.2	22,300	120

Liftcrane Luffing Jib Capacities

New York City Code
Luffing Jib No. 139 on Boom No. 78
142,000 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

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

777 SERIES 2

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	84,200 *	68.6	173.7	90,300 *b																45
50	58.1	167.8	75,400 *	64.7	171.5	82,700 *																50
55	53.8	164.5	66,300 *	60.6	168.9	74,000 *	64.5	170.6	72,900													55
60	49.2	160.5	59,000 *	56.4	165.8	66,900 *	60.5	168.0	65,300													60
65	44.3	155.8	52,900 *	52.0	162.2	60,800	56.2	164.9	59,100	62.8	167.7	56,300										65
70	38.9	150.1	47,900 *	47.3	158.0	55,400	51.8	161.3	53,900	58.7	164.9	51,300										70
75	32.8	143.2	43,500 *	42.2	153.0	50,900	47.1	157.0	49,400	54.4	161.6	47,100										75
80	25.4	134.2	39,600 *	36.6	146.9	46,200 *	42.0	152.0	45,600	49.8	157.7	43,400	56.7	160.9	41,300							80
85	15.1	120.7	34,700 *	30.1	139.3	42,100 *	36.3	145.8	42,300	45.0	153.1	40,300	52.3	157.4	38,300							85
90				21.9	129.0	38,400 *	29.8	138.1	39,400	39.7	147.6	37,500	47.6	153.2	35,600							90
95				8.0	110.3	32,900 *	21.5	127.7	36,700	33.7	140.9	35,000	42.6	148.2	33,200	49.9	152.1	31,500				95
100							6.7	107.8	33,400 *	26.5	132.3	32,800	37.0	142.2	31,100	45.1	147.5	29,500				100
105										16.8	119.7	30,800	30.5	134.7	29,200	39.7	142.0	27,700	47.1	145.8	26,200	105
110													22.5	124.6	27,500	33.7	135.4	26,100	42.0	140.7	24,700	110
115													9.4	107.1	25,900	26.6	126.8	24,600	36.4	134.6	23,300	115
120																17.0	114.3	23,200	29.8	126.9	22,000	120
125																			21.6	116.5	20,800	125
130																			7.0	96.8	19,600	130



Liftcrane Luffing Jib Capacities

777 SERIES 2

New York City Code

Luffing Jib No. 139 on Boom No. 78

142,000 Lb. Crane Counterweight

44,000 Lb. Carbody Counterweight

360 Degree Rating

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

90 Ft. Boom, 90 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Oper. Rad. Feet
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	71,200 *	67.6	182.4	77,100 *																50
55	58.3	176.5	66,800 *	64.2	180.2	73,800 *	67.5	181.6	72,600													55
60	54.5	173.2	59,400 *	60.6	177.6	66,900 *	64.0	179.3	65,100													60
65	50.5	169.3	53,300 *	56.8	174.5	60,600	60.4	176.7	58,900													65
70	46.2	164.9	48,200 *	53.0	171.0	55,200	56.7	173.6	53,700	62.5	176.4	51,100										70
75	41.6	159.7	43,900 *	48.8	167.0	50,700	52.8	170.1	49,200	58.8	173.6	46,800										75
80	36.6	153.6	40,100 *	44.5	162.2	46,600 *	48.7	166.0	45,400	55.0	170.3	43,200										80
85	30.9	146.1	36,800 *	39.7	156.7	42,500 *	44.3	161.2	42,100	51.0	166.6	40,000	57.1	169.6	38,000							85
90	23.9	136.4	33,800 *	34.4	150.1	38,900 *	39.5	155.7	39,200	46.8	162.2	37,300	53.2	166.1	35,400							90
95	14.2	122.0	29,900 *	28.3	141.9	35,800 *	34.2	149.0	36,600	42.3	157.1	34,800	49.1	162.1	33,000							95
100				20.6	130.9	32,900 *	28.0	140.7	34,300	37.3	151.1	32,600	44.7	157.4	30,900	51.1	160.9	29,300				100
105				7.5	111.0	28,500 *	20.2	129.5	32,200	31.7	143.8	30,600	40.0	151.9	29,000	46.9	156.6	27,500				105
110							6.4	108.4	28,900 *	25.0	134.6	28,800	34.8	145.4	27,300	42.3	151.5	25,900				110
115										15.8	121.1	27,200	28.7	137.3	25,800	37.4	145.5	24,400	44.3	150.0	23,000	115
120													21.2	126.6	24,400	31.8	138.3	23,000	39.5	144.4	21,800	120
125													8.8	107.9	23,000	25.1	129.0	21,800	34.2	137.7	20,600	125
130																16.0	115.7	20,600	28.1	129.5	19,500	130
135																			20.3	118.3	18,500	135
140																			6.6	97.4	17,500	140

Liftcrane Luffing Jib Capacities

New York City Code
Luffing Jib No. 139 on Boom No. 78
142,000 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

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

777 SERIES 2

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	71,700 *																50
55	61.8	188.0	63,300 *	66.9	191.2	68,600 *																55
60	58.5	185.2	59,300 *	63.8	188.9	65,600 *	66.8	190.3	64,700													60
65	55.1	181.9	53,200 *	60.5	186.2	60,300	63.6	188.0	58,500													65
70	51.5	178.2	48,200 *	57.2	183.2	54,900	60.4	185.3	53,300													70
75	47.7	173.9	43,800 *	53.7	179.8	50,400	57.0	182.3	48,900	62.2	185.1	46,500										75
80	43.7	169.0	40,100 *	50.0	175.8	46,500	53.5	178.8	45,100	58.9	182.2	42,800										80
85	39.4	163.4	36,800 *	46.2	171.3	42,500 *	49.9	174.9	41,800	55.5	179.0	39,700										85
90	34.7	156.8	33,900 *	42.1	166.2	38,900 *	46.0	170.4	38,900	52.0	175.4	36,900	57.4	178.3	35,000							90
95	29.2	148.8	31,400 *	37.6	160.2	35,800 *	41.9	165.2	36,300	48.2	171.2	34,500	53.9	174.9	32,600							95
100	22.7	138.5	29,000 *	32.6	153.1	33,000 *	37.4	159.1	34,000	44.3	166.4	32,300	50.3	171.0	30,500							100
105	13.5	123.2	25,700 *	26.8	144.3	30,500 *	32.4	152.0	32,000	40.0	160.9	30,300	46.4	166.5	28,700	52.0	169.7	27,100				105
110				19.6	132.7	28,300 *	26.6	143.1	30,100	35.3	154.4	28,500	42.3	161.4	27,000	48.3	165.6	25,500				110
115				7.1	111.6	24,700 *	19.2	131.3	28,200 *	30.0	146.6	26,900	37.9	155.5	25,400	44.3	160.8	24,000				115
120							6.0	108.9	25,100 *	23.7	136.7	25,400	32.9	148.4	24,000	40.1	155.3	22,700	46.0	159.1	21,400	120
125										15.0	122.5	24,100	27.2	139.8	22,800	35.4	148.8	21,500	41.9	153.9	20,200	125
130													20.1	128.4	21,600	30.1	141.1	20,300	37.4	147.9	19,100	130
135													8.4	108.6	20,400	23.8	131.2	19,300	32.4	140.7	18,100	135
140																15.2	117.1	18,300	26.6	131.9	17,200	140
145																			19.3	120.1	16,400	145
150																			6.2	98.0	15,500	150



Liftcrane Luffing Jib Capacities

777 SERIES 2

New York City Code
Luffing Jib No. 139 on Boom No. 78
142,000 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

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

90 Ft. Boom, 110 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
35	75.7	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	59,200 *	69.1	202.0	63,600 *																55
60	61.6	196.7	56,700 *	66.3	199.9	61,200 *																60
65	58.6	193.8	53,400 *	63.4	197.6	58,700 *	66.2	199.0	58,400													65
70	55.5	190.6	48,300 *	60.5	194.9	54,900	63.3	196.7	53,200													70
75	52.3	186.9	44,000 *	57.4	191.9	50,300	60.3	194.0	48,800													75
80	48.9	182.8	40,200 *	54.3	188.5	46,400	57.3	191.0	45,000	62.0	193.7	42,800										80
85	45.4	178.2	37,000 *	51.0	184.7	42,600 *	54.1	187.6	41,700	59.0	190.9	39,600										85
90	41.6	172.9	34,200 *	47.6	180.4	39,100 *	50.9	183.7	38,800	55.9	187.7	36,800										90
95	37.5	166.9	31,600 *	43.9	175.5	36,000 *	47.4	179.4	36,300	52.7	184.1	34,400	57.6	187.0	32,500							95
100	33.0	159.8	29,300 *	40.0	169.9	33,300 *	43.8	174.5	34,000	49.4	180.1	32,200	54.5	183.6	30,500							100
105	27.9	151.3	27,300 *	35.8	163.5	30,800 *	39.9	168.9	31,900	45.9	175.5	30,300	51.2	179.8	28,600							105
110	21.6	140.5	25,400 *	31.1	155.9	28,600 *	35.6	162.4	30,100	42.1	170.4	28,500	47.8	175.5	26,900	52.8	178.5	25,400				110
115	12.8	124.3	22,600 *	25.6	146.7	26,600 *	30.8	154.8	28,400	38.1	164.4	26,900	44.1	170.7	25,400	49.4	174.5	23,900				115
120				18.6	134.4	24,800 *	25.3	145.4	26,600 *	33.6	157.5	25,400	40.3	165.2	24,000	45.9	169.9	22,600				120
125				6.8	112.2	21,800 *	18.3	132.9	24,800 *	28.6	149.2	24,100	36.1	158.8	22,700	42.2	164.8	21,400	47.4	168.1	20,100	125
130							5.7	109.4	22,200 *	22.5	138.8	22,800	31.4	151.3	21,600	38.1	158.8	20,300	43.8	163.2	19,100	130
135										14.3	123.7	21,700	25.9	142.2	20,500	33.7	151.9	19,300	39.9	157.6	18,100	135
140													19.1	130.1	19,400	28.7	143.7	18,300	35.6	151.2	17,200	140
145													8.0	109.4	18,500	22.6	133.3	17,400	30.9	143.6	16,300	145
150																14.5	118.4	16,600	25.4	134.2	15,500	150
155																			18.3	121.7	14,800	155
160																			5.9	98.5	14,100	160

Liftcrane Luffing Jib Capacities

New York City Code
Luffing Jib No. 139 on Boom No. 78
142,000 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

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

777 SERIES 2

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	58,600 *																55
60	64.2	207.9	52,300 *	68.4	210.7	56,300 *																60
65	61.5	205.4	50,100 *	65.8	208.6	54,000 *																65
70	58.7	202.5	48,100 *	63.1	206.2	51,900 *	65.7	207.8	52,900													70
75	55.9	199.3	43,800 *	60.4	203.5	49,800 *	63.0	205.4	48,500													75
80	53.0	195.7	40,100 *	57.6	200.5	46,100	60.3	202.7	44,700													80
85	49.9	191.7	36,800 *	54.8	197.2	42,400 *	57.5	199.6	41,400	61.9	202.4	39,200										85
90	46.7	187.3	34,000 *	51.8	193.5	38,900 *	54.6	196.3	38,500	59.1	199.6	36,500										90
95	43.4	182.3	31,500 *	48.7	189.3	35,800 *	51.7	192.5	36,000	56.3	196.4	34,000										95
100	39.8	176.6	29,200 *	45.4	184.7	33,100 *	48.5	188.3	33,700	53.4	192.9	31,900	57.8	195.6	30,100							100
105	35.9	170.2	27,200 *	42.0	179.4	30,700 *	45.3	183.7	31,600	50.3	189.0	29,900	54.9	192.3	28,200							105
110	31.6	162.7	25,300 *	38.3	173.5	28,500 *	41.8	178.4	29,800	47.2	184.6	28,200	52.0	188.6	26,600							110
115	26.6	153.7	23,600 *	34.2	166.7	26,600 *	38.1	172.4	28,100	43.8	179.7	26,600	48.9	184.5	25,000							115
120	20.7	142.3	22,100 *	29.7	158.7	24,800 *	34.0	165.6	26,500 *	40.2	174.1	25,100	45.6	179.8	23,700	50.4	183.3	22,200				120
125	12.3	125.4	19,700 *	24.5	148.9	23,100 *	29.5	157.5	24,800 *	36.4	167.8	23,800	42.2	174.6	22,400	47.2	179.0	21,000				125
130				17.8	136.0	21,600 *	24.2	147.6	23,100 *	32.2	160.4	22,500	38.5	168.8	21,200	43.9	174.1	19,900				130
135				6.5	112.8	19,000 *	17.5	134.5	21,600 *	27.3	151.7	21,400	34.5	162.0	20,100	40.3	168.5	18,900	45.3	172.4	17,700	135
140							5.5	109.9	19,400 *	21.6	140.7	20,300	30.0	154.1	19,100	36.5	162.2	18,000	41.8	167.1	16,800	140
145										13.7	125.0	19,300	24.8	144.4	18,200	32.2	154.9	17,100	38.1	161.2	16,000	145
150													18.3	131.7	17,300	27.4	146.2	16,200	34.1	154.3	15,200	150
155													7.6	110.0	16,500	21.7	135.2	15,500	29.5	146.3	14,500	155
160																13.8	119.6	14,700	24.3	136.4	13,800	160
165																			17.6	123.3	13,100	165
170																			5.7	99.0	12,500	170



Liftcrane Luffing Jib Capacities

777 SERIES 2

New York City Code

Luffing Jib No. 139 on Boom No. 78

142,000 Lb. Crane Counterweight

44,000 Lb. Carbody Counterweight

360 Degree Rating

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

90 Ft. Boom, 130 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
40	75.6	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	46,100 *																65
70	61.4	214.0	41,200 *	65.3	217.3	44,300 *	67.6	218.6	45,800 *													70
75	58.8	211.2	39,400 *	62.9	214.9	42,500 *	65.2	216.5	44,000 *													75
80	56.2	208.0	37,800 *	60.4	212.2	40,700 *	62.8	214.0	42,300 *													80
85	53.5	204.5	36,300 *	57.8	209.2	39,100 *	60.3	211.3	40,600 *													85
90	50.7	200.6	34,100 *	55.2	205.9	37,500 *	57.7	208.3	38,300	61.7	211.1	36,200										90
95	47.8	196.3	31,600 *	52.5	202.3	36,000 *	55.1	205.0	35,700	59.2	208.2	33,800										95
100	44.8	191.5	29,300 *	49.6	198.2	33,200 *	52.3	201.3	33,400	56.6	205.1	31,600										100
105	41.6	186.2	27,300 *	46.7	193.7	30,800 *	49.5	197.3	31,400	53.9	201.6	29,700	58.0	204.3	28,000							105
110	38.1	180.2	25,400 *	43.5	188.7	28,600 *	46.5	192.8	29,600	51.1	197.8	27,900	55.3	201.0	26,300							110
115	34.4	173.4	23,700 *	40.2	183.2	26,600 *	43.4	187.7	27,900	48.2	193.5	26,300	52.6	197.4	24,800							115
120	30.3	165.5	22,200 *	36.7	176.9	24,900 *	40.1	182.1	26,400	45.2	188.8	24,900	49.8	193.3	23,400							120
125	25.6	156.0	20,800 *	32.8	169.7	23,200 *	36.5	175.8	24,800 *	42.0	183.6	23,500	46.8	188.9	22,100	51.2	192.2	20,800				125
130	19.9	144.1	19,400 *	28.5	161.3	21,700 *	32.7	168.6	23,200 *	38.6	177.7	22,300	43.7	183.9	21,000	48.3	187.9	19,700				130
135	11.8	126.5	17,300 *	23.5	151.0	20,300 *	28.3	160.1	21,700 *	34.9	171.0	21,200	40.4	178.4	19,900	45.3	183.2	18,600				135
140				17.1	137.5	19,000 *	23.2	149.7	20,300 *	30.9	163.3	20,100	36.9	172.2	18,900	42.1	178.0	17,700	46.5	181.5	16,500	140
145				6.3	113.4	16,800 *	16.8	136.0	19,000 *	26.2	154.1	19,200	33.1	165.0	18,000	38.7	172.1	16,800	43.4	176.5	15,700	145
150							5.3	110.4	17,100 *	20.7	142.6	18,300	28.8	156.7	17,100	35.0	165.4	16,000	40.1	170.9	14,900	150
155										13.1	126.1	17,400	23.8	146.6	16,300	30.9	157.7	15,200	36.6	164.6	14,200	155
160													17.6	133.3	15,600	26.3	148.6	14,500	32.7	157.3	13,500	160
165													7.3	110.7	14,800	20.8	137.1	13,900	28.4	148.8	12,900	165
170																13.3	120.8	13,200	23.3	138.5	12,300	170
175																			16.9	124.8	11,700	175
180																			5.5	99.5	11,100	180

Liftcrane Luffing Jib Capacities

New York City Code
Luffing Jib No. 139 on Boom No. 78
142,000 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

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

777 SERIES 2

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	40,700 *																70
75	61.3	222.7	36,200 *	65.0	226.0	39,000 *	67.1	227.4	40,400 *													75
80	58.9	219.8	34,600 *	62.7	223.6	37,300 *	64.9	225.2	38,800 *													80
85	56.5	216.7	33,100 *	60.4	220.9	35,700 *	62.6	222.7	37,200 *													85
90	54.0	213.2	31,600 *	58.0	217.9	34,200 *	60.3	220.0	35,600 *													90
95	51.4	209.4	30,300 *	55.5	214.6	32,700 *	57.9	217.0	34,100 *	61.6	219.7	33,400										95
100	48.8	205.2	28,900 *	53.0	211.0	31,300 *	55.4	213.7	32,700 *	59.2	216.9	31,300										100
105	46.0	200.6	27,000 *	50.4	207.1	30,000 *	52.9	210.1	31,100	56.8	213.8	29,300										105
110	43.1	195.5	25,200 *	47.7	202.7	28,400 *	50.3	206.1	29,200	54.4	210.3	27,600										110
115	40.0	189.9	23,500 *	44.9	197.9	26,400 *	47.6	201.8	27,600	51.8	206.6	26,000	55.7	209.7	24,400							115
120	36.7	183.6	22,000 *	41.9	192.7	24,600 *	44.7	197.0	26,100	49.1	202.5	24,500	53.2	206.1	23,000							120
125	33.1	176.4	20,600 *	38.7	186.8	23,000 *	41.8	191.6	24,600 *	46.4	197.9	23,200	50.6	202.2	21,800							125
130	29.2	168.1	19,300 *	35.3	180.1	21,600 *	38.6	185.7	23,000 *	43.5	192.9	22,000	47.9	197.9	20,600	51.8	201.0	19,300				130
135	24.6	158.3	18,100 *	31.6	172.6	20,200 *	35.2	179.0	21,500 *	40.4	187.3	20,900	45.0	193.1	19,600	49.2	196.9	18,300				135
140	19.1	145.8	16,900 *	27.5	163.7	18,900 *	31.4	171.4	20,200 *	37.1	181.1	19,800	42.1	187.9	18,600	46.4	192.3	17,300				140
145	11.4	127.5	15,100 *	22.6	153.0	17,700 *	27.3	162.5	18,900 *	33.6	174.1	18,900	38.9	182.0	17,600	43.5	187.3	16,500	47.6	190.5	15,300	145
150				16.5	139.0	16,600 *	22.4	151.7	17,700 *	29.7	166.0	18,000	35.5	175.4	16,800	40.5	181.8	15,700	44.8	185.7	14,600	150
155				6.0	113.9	14,700 *	16.2	137.5	16,600 *	25.3	156.4	17,100	31.8	167.9	16,000	37.2	175.5	14,900	41.8	180.4	13,800	155
160							5.1	110.8	15,000 *	20.0	144.4	16,300	27.7	159.2	15,200	33.7	168.5	14,200	38.6	174.5	13,200	160
165										12.7	127.3	15,600	22.9	148.6	14,500	29.8	160.4	13,500	35.2	167.8	12,500	165
170													16.9	134.8	13,900	25.4	150.8	12,900	31.5	160.2	11,900	170
175													7.1	111.3	13,200	20.0	138.9	12,300	27.3	151.3	11,400	175
180																12.8	121.9	11,700	22.4	140.5	10,800	180
190																			5.3	100.0	9,800	190

Liftcrane Luffing Jib Capacities

777 SERIES 2

New York City Code

Luffing Jib No. 139 on Boom No. 78

142,000 Lb. Crane Counterweight

44,000 Lb. Carbody Counterweight

360 Degree Rating

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

90 Ft. Boom, 150 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	75.6	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	35,900 *																75
80	61.2	231.4	31,800 *	64.6	234.7	34,400 *	66.7	236.1	35,600 *													80
85	59.0	228.5	30,400 *	62.5	232.3	32,900 *	64.6	233.9	34,200 *													85
90	56.7	225.3	29,000 *	60.3	229.5	31,400 *	62.4	231.4	32,700 *													90
95	54.4	221.9	27,600 *	58.1	226.6	30,000 *	60.2	228.6	31,300 *													95
100	52.0	218.2	26,300 *	55.8	223.3	28,600 *	58.0	225.6	29,900 *	61.5	228.4	31,100										100
105	49.6	214.1	25,100 *	53.5	219.8	27,300 *	55.7	222.4	28,500 *	59.3	225.6	29,200										105
110	47.0	209.6	24,000 *	51.1	215.9	26,000 *	53.4	218.8	27,300 *	57.0	222.4	27,500										110
115	44.4	204.8	22,900 *	48.6	211.7	24,800 *	51.0	214.9	26,000 *	54.7	219.1	25,900										115
120	41.6	199.4	21,900 *	46.0	207.1	23,700 *	48.5	210.7	24,800 *	52.4	215.4	24,400	56.0	218.4	22,900							120
125	38.6	193.5	20,600 *	43.3	202.0	22,600 *	45.9	206.1	23,700 *	49.9	211.3	23,100	53.6	214.9	21,700							125
130	35.4	186.8	19,300 *	40.4	196.4	21,500 *	43.1	201.0	22,600 *	47.4	206.9	21,900	51.2	211.0	20,500							130
135	32.0	179.3	18,200 *	37.4	190.2	20,200 *	40.3	195.4	21,500 *	44.7	202.1	20,800	48.7	206.8	19,400	52.4	209.8	18,200				135
140	28.2	170.7	17,000 *	34.1	183.3	19,000 *	37.2	189.1	20,200 *	41.9	196.8	19,700	46.1	202.2	18,500	50.0	205.7	17,200				140
145	23.8	160.4	16,000 *	30.5	175.3	17,800 *	33.9	182.2	19,000 *	39.0	191.0	18,800	43.4	197.2	17,500	47.4	201.3	16,400				145
150	18.5	147.5	15,000 *	26.5	166.1	16,700 *	30.3	174.2	17,800 *	35.8	184.4	17,900	40.6	191.6	16,700	44.8	196.5	15,600				150
155	11.0	128.5	13,400 *	21.9	155.0	15,700 *	26.3	164.9	16,700 *	32.4	177.0	17,000	37.5	185.5	15,900	42.0	191.2	14,800	45.9	194.8	13,700	155
160				16.0	140.4	14,700 *	21.6	153.7	15,700 *	28.7	168.6	16,300	34.3	178.6	15,200	39.0	185.4	14,100	43.2	189.7	13,100	160
165				5.8	114.4	13,000 *	15.6	138.9	14,700 *	24.4	158.6	15,500	30.7	170.7	14,500	35.9	178.8	13,400	40.3	184.1	12,400	165
170							4.9	111.3	13,400 *	19.3	146.1	14,800	26.8	161.6	13,800	32.5	171.5	12,800	37.2	177.9	11,900	170
175										12.2	128.4	14,100	22.1	150.6	13,200	28.7	163.0	12,200	34.0	170.9	11,300	175
180													16.4	136.3	12,600	24.5	153.1	11,700	30.4	163.0	10,800	180
190																12.4	123.0	10,600	21.7	142.5	9,800	190
200																			5.1	100.4	8,900	200

Liftcrane Luffing Jib Capacities

New York City Code
Luffing Jib No. 139 on Boom No. 78
142,000 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

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

777 SERIES 2

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	31,000 *													85
90	59.1	237.1	26,100 *	62.4	240.9	28,400 *	64.3	242.6	29,600 *													90
95	57.0	234.0	24,800 *	60.3	238.2	27,000 *	62.3	240.0	28,300 *													95
100	54.8	230.6	23,600 *	58.2	235.2	25,700 *	60.2	237.3	26,900 *													100
105	52.6	227.0	22,400 *	56.1	232.0	24,400 *	58.1	234.3	25,600 *	61.4	237.1	27,400 *										105
110	50.3	223.0	21,300 *	53.9	228.5	23,200 *	56.0	231.1	24,400 *	59.3	234.2	26,100 *										110
115	47.9	218.6	20,200 *	51.7	224.7	22,100 *	53.8	227.6	23,200 *	57.2	231.1	24,900 *										115
120	45.4	213.9	19,100 *	49.4	220.6	20,900 *	51.6	223.8	22,000 *	55.1	227.8	23,800 *										120
125	42.9	208.8	18,200 *	46.9	216.1	19,900 *	49.2	219.6	20,900 *	52.9	224.1	22,600 *	56.2	227.1	21,300							125
130	40.2	203.1	17,300 *	44.4	211.2	18,900 *	46.8	215.1	19,900 *	50.6	220.2	21,500 *	54.1	223.6	20,200							130
135	37.3	196.9	16,400 *	41.8	205.9	17,900 *	44.3	210.2	18,900 *	48.2	215.9	20,400	51.8	219.8	19,100							135
140	34.2	190.0	15,600 *	39.1	200.0	17,000 *	41.7	204.9	17,900 *	45.8	211.2	19,400	49.5	215.7	18,100	52.9	218.5	16,900				140
145	30.9	182.1	14,800 *	36.1	193.5	16,200 *	38.9	199.0	17,000 *	43.2	206.2	18,500	47.1	211.3	17,200	50.6	214.6	16,000				145
150	27.2	173.1	14,100 *	33.0	186.3	15,300 *	36.0	192.5	16,100 *	40.5	200.6	17,500 *	44.6	206.4	16,400	48.3	210.3	15,200				150
155	23.0	162.5	13,400 *	29.5	178.0	14,600 *	32.8	185.2	15,300 *	37.7	194.4	16,700 *	42.0	201.1	15,600	45.8	205.6	14,400				155
160	17.9	149.1	12,900 *	25.7	168.5	13,900 *	29.4	176.9	14,600 *	34.7	187.6	15,800 *	39.2	195.3	14,800	43.3	200.6	13,700	46.9	203.9	12,700	160
165	10.6	129.4	11,600 *	21.1	156.9	13,300 *	25.5	167.2	13,900 *	31.4	179.9	15,000 *	36.3	188.8	14,100	40.6	195.0	13,100	44.4	199.0	12,100	165
170				15.4	141.8	12,700 *	20.9	155.6	13,200 *	27.8	171.1	14,300 *	33.2	181.6	13,500	37.7	188.9	12,500	41.7	193.6	11,500	170
175				5.6	114.9	11,400 *	15.1	140.2	12,700 *	23.6	160.7	13,600 *	29.7	173.4	12,900	34.7	182.0	11,900	39.0	187.7	10,900	175
180							4.8	111.7	11,700 *	18.7	147.8	13,000 *	25.9	164.0	12,300	31.4	174.3	11,300	36.0	181.2	10,400	180
190													15.8	137.7	11,200	23.7	155.2	10,300	29.4	165.6	9,500	190
200																12.0	124.1	9,400	21.0	144.4	8,600	200
210																			4.9	100.9	7,800	210

Liftcrane Luffing Jib Capacities

777 SERIES 2

New York City Code

Luffing Jib No. 139 on Boom No. 78

142,000 Lb. Crane Counterweight

44,000 Lb. Carbody Counterweight

360 Degree Rating

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

90 Ft. Boom, 170 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	75.6	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	27,100 *													90
95	59.1	245.8	22,600 *	62.2	249.6	24,700 *	64.0	251.2	25,800 *													95
100	57.1	242.7	21,400 *	60.3	246.9	23,400 *	62.1	248.7	24,500 *													100
105	55.1	239.3	20,200 *	58.3	243.9	22,200 *	60.2	246.0	23,300 *													105
110	53.0	235.7	19,100 *	56.3	240.7	21,000 *	58.3	243.0	22,100 *	61.3	245.7	21,800										110
115	50.9	231.8	18,100 *	54.3	237.2	19,900 *	56.3	239.8	21,000 *	59.4	242.9	20,400										115
120	48.7	227.6	17,100 *	52.2	233.5	18,800 *	54.2	236.3	19,900 *	57.4	239.8	19,000										120
125	46.4	223.0	16,200 *	50.0	229.5	17,800 *	52.1	232.5	18,800 *	55.4	236.5	17,800										125
130	44.0	218.0	15,300 *	47.8	225.1	16,800 *	49.9	228.5	17,800 *	53.3	232.9	16,700	56.5	235.8	14,900							130
135	41.5	212.6	14,400 *	45.5	220.4	15,900 *	47.7	224.1	16,800 *	51.2	229.0	15,700	54.4	232.3	13,900							135
140	38.9	206.7	13,600 *	43.1	215.2	15,000 *	45.4	219.4	15,900 *	49.0	224.8	14,700	52.3	228.6	13,000							140
145	36.2	200.2	12,900 *	40.5	209.6	14,200 *	42.9	214.2	15,000 *	46.7	220.3	13,900	50.2	224.6	12,200							145
150	33.2	193.0	12,200 *	37.9	203.5	13,400 *	40.4	208.6	14,200 *	44.3	215.4	13,000	47.9	220.2	11,500	51.2	223.4	9,900				150
155	30.0	184.9	11,400 *	35.0	196.7	12,600 *	37.7	202.5	13,400 *	41.9	210.0	12,300	45.6	215.5	10,800	49.0	219.2	9,300				155
160	26.4	175.5	10,600 *	32.0	189.2	11,900 *	34.9	195.6	12,600 *	39.3	204.2	11,600	43.2	210.4	10,100	46.7	214.7	8,700				160
165	22.3	164.5	9,700 *	28.6	180.6	11,100 *	31.8	188.1	11,900 *	36.5	197.8	10,900	40.7	204.9	9,500	44.4	209.8	8,100	47.7	212.8	6,700	165
170	17.4	150.6	9,000 *	24.9	170.7	10,200 *	28.5	179.4	11,100 *	33.6	190.7	10,300	38.0	198.8	8,900	41.9	204.5	7,500	45.4	208.1	6,300	170
175	10.3	130.3	8,300 *	20.5	158.7	9,400 *	24.7	169.5	10,200 *	30.4	182.7	9,700	35.2	192.0	8,300	39.3	198.6	7,000	43.0	203.0	5,800	175
180				15.0	143.1	8,700 *	20.3	157.4	9,400 *	26.9	173.5	9,100	32.1	184.5	7,800	36.6	192.2	6,600	40.4	197.3	5,300	180
190							4.6	112.1	8,100 *	18.1	149.4	8,100	25.1	166.2	6,900	30.5	177.1	5,700	34.9	184.4	4,500	190
200													15.4	139.1	6,000	23.0	157.3	4,900				200
210																11.6	125.1	4,100				210

Liftcrane Luffing Jib Capacities

New York City Code
Luffing Jib No. 139 on Boom No. 78
142,000 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

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

777 SERIES 2

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	94,000 *b	70.8	175.2	98,900 *b																40
45	58.2	169.4	87,200 *	66.4	173.3	91,500 *b																45
50	53.2	166.0	76,200 *	61.9	170.8	81,000 *b	66.7	172.5	82,000 b													50
55	47.9	161.9	67,000 *	57.1	167.9	72,500 *	62.1	170.2	72,700 b													55
60	42.1	156.9	59,500 *	52.1	164.3	65,600 *	57.4	167.2	65,200													60
65	35.6	150.7	53,300 *	46.7	160.1	59,800 *	52.4	163.7	59,000	60.9	167.4	55,900 b										65
70	27.8	142.6	48,000 *	40.8	154.8	54,900 *	47.0	159.5	53,800	56.1	164.4	51,000										70
75	17.1	130.5	41,600 *	34.0	148.3	50,600 *	41.1	154.3	49,400	51.0	160.7	46,800										75
80				25.8	139.6	47,000 *	34.5	147.9	45,600	45.6	156.2	43,200	54.6	160.6	40,800							80
85				13.7	125.7	41,400 *	26.4	139.4	42,200	39.5	150.8	40,000	49.4	156.7	37,800							85
90							14.7	126.0	39,300	32.5	143.9	37,300	43.8	151.9	35,200	52.8	155.7	33,200				90
95										23.9	134.6	34,800	37.5	146.1	32,900	47.5	151.6	31,000				95
100										9.7	118.0	32,500	30.2	138.7	30,800	41.7	146.5	29,000				100
105													20.6	128.1	28,900	35.1	140.2	27,300				105
110																27.1	131.9	25,600	45.1	145.4	25,600	110
115																16.0	119.3	24,200	39.0	139.8	24,100	115
120																			31.9	132.8	22,700	120
125																			23.1	123.2	21,500	125
																			7.5	104.9	20,200	125

Liftcrane Luffing Jib Capacities

777 SERIES 2

New York City Code

Luffing Jib No. 139 on Boom No. 78

142,000 Lb. Crane Counterweight

44,000 Lb. Carbody Counterweight

360 Degree Rating

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

100 Ft. Boom, 80 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Oper. Rad. Feet
35	70.3	185.2	90,300 *b																			35
40	66.5	183.3	86,900 *b																			40
45	62.5	180.9	83,800 *	69.5	184.0	89,100 *b																45
50	58.4	178.0	76,300 *	65.6	182.0	80,400 *b																50
55	54.1	174.7	67,100 *	61.6	179.5	72,000 *	65.9	181.3	72,300 b													55
60	49.5	170.8	59,600 *	57.5	176.6	65,100 *	61.9	178.8	64,800													60
65	44.7	166.1	53,500 *	53.1	173.1	59,300 *	57.7	175.9	58,600													65
70	39.3	160.6	48,300 *	48.5	169.0	54,300 *	53.4	172.5	53,500	60.8	176.1	50,600										70
75	33.2	153.8	43,900 *	43.5	164.2	50,100 *	48.8	168.4	49,100	56.6	173.1	46,400										75
80	26.0	145.0	40,000 *	38.0	158.4	46,400 *	43.8	163.7	45,300	52.2	169.5	42,800										80
85	16.0	131.9	35,100 *	31.8	151.2	43,200 *	38.4	157.9	42,000	47.5	165.3	39,700	55.3	169.3	37,400							85
90				24.1	141.8	39,400 *	32.2	150.9	39,100	42.5	160.3	36,900	50.8	165.5	34,800							90
95				12.8	126.9	35,100 *	24.6	141.6	36,500	36.9	154.2	34,500	46.1	161.1	32,500							95
100							13.7	127.3	34,100	30.4	146.7	32,300	40.9	155.8	30,400	49.2	160.5	28,600				100
105										22.3	136.6	30,300	35.0	149.4	28,600	44.3	155.8	26,900				105
110										9.0	118.8	28,500	28.2	141.3	26,900	38.9	150.2	25,300	47.1	154.4	23,700	110
115													19.3	129.9	25,400	32.7	143.2	23,800	42.0	149.3	22,300	115
120																25.4	134.2	22,500	36.4	143.2	21,100	120
125																15.0	120.6	21,300	29.8	135.5	20,000	125
130																			21.6	125.1	18,900	130
135																			7.0	105.5	17,800	135

Liftcrane Luffing Jib Capacities

New York City Code
Luffing Jib No. 139 on Boom No. 78
142,000 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

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

777 SERIES 2

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	71,200 *	68.5	192.8	77,600 *																50
55	58.6	186.7	67,600 *	65.0	190.7	72,100 *																55
60	54.8	183.4	60,100 *	61.5	188.2	65,100 *	65.2	190.0	64,600													60
65	50.8	179.6	53,900 *	57.8	185.2	59,200 *	61.7	187.5	58,400													65
70	46.5	175.2	48,700 *	53.9	181.8	54,200 *	58.0	184.6	53,200													70
75	42.0	170.1	44,300 *	49.9	177.9	50,000 *	54.1	181.2	48,800	60.7	184.7	46,100										75
80	37.0	164.0	40,500 *	45.6	173.4	46,300 *	50.1	177.3	45,100	57.0	181.7	42,600										80
85	31.3	156.6	37,200 *	40.9	168.1	43,000 *	45.8	172.8	41,800	53.1	178.2	39,400										85
90	24.5	147.2	34,200 *	35.8	161.7	39,900 *	41.2	167.6	38,900	49.0	174.2	36,700	55.9	178.0	34,500							90
95	15.1	133.3	30,200 *	29.9	154.0	36,600 *	36.1	161.3	36,300	44.7	169.5	34,300	51.9	174.3	32,300							95
100				22.7	143.9	33,700 *	30.3	153.7	34,000	39.9	164.0	32,100	47.8	170.1	30,200							100
105				12.1	128.0	30,200 *	23.2	143.7	32,000	34.7	157.5	30,200	43.3	165.2	28,400	50.5	169.4	26,600				105
110							13.0	128.4	30,100	28.6	149.3	28,400	38.4	159.4	26,700	46.2	164.9	25,000				110
115										21.0	138.5	26,800	33.0	152.4	25,200	41.6	159.7	23,600				115
120										8.5	119.6	25,300	26.5	143.7	23,800	36.6	153.6	22,300	44.3	158.6	20,800	120
125													18.2	131.5	22,500	30.8	146.1	21,100	39.5	153.1	19,700	125
130																23.9	136.4	20,000	34.2	146.4	18,700	130
135																14.1	121.9	18,900	28.1	138.1	17,700	135
140																			20.3	127.0	16,800	140
145																			6.6	106.1	15,900	145



Liftcrane Luffing Jib Capacities

777 SERIES 2

New York City Code
Luffing Jib No. 139 on Boom No. 78
142,000 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

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

100 Ft. Boom, 100 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
35	74.4	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	71,700 *																50
55	62.0	198.2	63,300 *	67.7	201.6	69,100 *																55
60	58.7	195.4	60,000 *	64.5	199.4	64,600 *	67.8	200.9	64,200													60
65	55.3	192.1	53,800 *	61.3	196.8	58,700 *	64.7	198.7	58,100													65
70	51.8	188.4	48,600 *	58.0	193.9	53,700 *	61.5	196.1	52,900													70
75	48.0	184.2	44,200 *	54.5	190.6	49,500 *	58.2	193.2	48,500													75
80	44.0	179.4	40,500 *	50.9	186.8	45,800 *	54.8	189.9	44,700	60.7	193.4	42,200										80
85	39.7	173.8	37,200 *	47.2	182.4	42,500 *	51.2	186.2	41,400	57.3	190.4	39,100										85
90	35.0	167.3	34,200 *	43.1	177.4	39,700 *	47.4	181.9	38,600	53.8	187.0	36,300										90
95	29.7	159.4	31,600 *	38.7	171.7	36,600 *	43.4	176.9	36,000	50.2	183.1	33,900	56.3	186.6	31,800							95
100	23.2	149.3	29,300 *	33.9	164.9	33,800 *	39.0	171.2	33,700	46.4	178.6	31,800	52.8	183.1	29,800							100
105	14.3	134.6	26,000 *	28.4	156.6	31,200 *	34.2	164.5	31,700	42.3	173.5	29,800	49.1	179.0	28,000							105
110				21.6	145.9	28,900 *	28.7	156.3	29,800	37.8	167.5	28,100	45.2	174.4	26,300	51.5	178.2	24,600				110
115				11.5	129.0	26,100 *	22.0	145.7	28,100	32.9	160.5	26,500	41.0	169.0	24,800	47.7	173.9	23,200				115
120							12.3	129.5	26,600	27.1	151.8	25,000	36.4	162.8	23,500	43.7	169.1	21,900				120
125										19.9	140.3	23,700	31.2	155.3	22,200	39.4	163.4	20,700	46.0	167.8	19,300	125
130										8.1	120.3	22,400	25.2	146.0	21,000	34.6	156.8	19,600	41.9	162.6	18,300	130
135													17.2	133.1	19,900	29.2	148.8	18,600	37.4	156.5	17,300	135
140																22.6	138.5	17,700	32.4	149.4	16,400	140
145																13.4	123.1	16,800	26.6	140.6	15,600	145
150																			19.3	128.7	14,800	150
155																			6.2	106.6	14,100	155

Liftcrane Luffing Jib Capacities

New York City Code
Luffing Jib No. 139 on Boom No. 78
142,000 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

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

777 SERIES 2

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	59,000 *	69.8	212.3	63,700 *																55
60	61.8	206.9	56,700 *	67.0	210.4	61,400 *																60
65	58.8	204.0	53,900 *	64.1	208.1	58,600 *	67.2	209.6	58,000													65
70	55.8	200.8	48,700 *	61.2	205.5	53,600 *	64.3	207.4	52,800													70
75	52.5	197.2	44,400 *	58.2	202.6	49,400 *	61.4	204.8	48,400													75
80	49.2	193.1	40,600 *	55.1	199.3	45,700 *	58.4	201.9	44,700													80
85	45.6	188.5	37,300 *	51.8	195.6	42,400 *	55.2	198.6	41,400	60.6	202.1	39,000										85
90	41.9	183.3	34,500 *	48.4	191.4	39,600 *	52.0	195.0	38,500	57.6	199.1	36,300										90
95	37.8	177.3	31,900 *	44.8	186.7	36,800 *	48.6	190.8	36,000	54.4	195.7	33,800										95
100	33.3	170.3	29,600 *	41.0	181.3	34,000 *	45.1	186.1	33,700	51.1	191.9	31,700	56.6	195.3	29,700							100
105	28.2	161.9	27,500 *	36.9	175.1	31,500 *	41.2	180.8	31,700	47.7	187.6	29,800	53.4	191.8	27,900							105
110	22.1	151.3	25,600 *	32.3	167.8	29,300 *	37.1	174.6	29,800	44.1	182.8	28,000	50.1	187.9	26,300							110
115	13.6	135.8	22,800 *	27.0	159.1	27,200 *	32.6	167.5	28,100	40.2	177.3	26,400	46.6	183.5	24,800	52.3	187.0	23,100				115
120				20.5	147.7	25,300 *	27.3	158.8	26,600	36.0	170.9	25,000	43.0	178.4	23,400	48.9	182.9	21,800				120
125				10.9	130.0	23,000 *	21.0	147.6	25,200	31.3	163.4	23,700	39.0	172.7	22,200	45.4	178.2	20,700				125
130							11.7	130.6	23,600 *	25.8	154.2	22,500	34.6	166.0	21,000	41.6	173.0	19,600	47.4	176.8	18,200	130
135										19.0	142.1	21,300	29.7	158.0	19,900	37.5	166.9	18,600	43.8	171.9	17,300	135
140										7.7	121.0	20,200	24.0	148.2	19,000	33.0	159.8	17,700	39.9	166.3	16,400	140
145													16.4	134.6	18,000	27.8	151.3	16,800	35.6	159.8	15,600	145
150																21.6	140.4	16,000	30.9	152.2	14,800	150
155																12.7	124.2	15,200	25.4	142.9	14,100	155
160																			18.3	130.4	13,400	160
165																			5.9	107.2	12,800	165

Liftcrane Luffing Jib Capacities

777 SERIES 2

New York City Code

Luffing Jib No. 139 on Boom No. 78

142,000 Lb. Crane Counterweight

44,000 Lb. Carbody Counterweight

360 Degree Rating

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

100 Ft. Boom, 120 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Oper. Rad. Feet
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	56,500 *																60
65	61.7	215.5	50,100 *	66.4	219.1	54,300 *																65
70	58.9	212.7	48,100 *	63.8	216.8	52,300 *	66.6	218.4	52,500													70
75	56.1	209.5	44,200 *	61.1	214.2	48,900 *	63.9	216.1	48,100													75
80	53.2	206.0	40,400 *	58.3	211.2	45,200 *	61.3	213.5	44,300													80
85	50.1	202.0	37,200 *	55.5	208.0	42,000 *	58.5	210.6	41,100													85
90	47.0	197.6	34,300 *	52.5	204.3	39,100 *	55.6	207.3	38,200	60.5	210.7	35,900										90
95	43.6	192.6	31,700 *	49.5	200.3	36,500 *	52.7	203.7	35,600	57.8	207.7	33,500										95
100	40.0	187.1	29,500 *	46.2	195.8	33,800 *	49.6	199.7	33,400	54.9	204.4	31,300										100
105	36.1	180.7	27,400 *	42.8	190.7	31,400 *	46.4	195.2	31,300	51.9	200.7	29,400	56.9	204.0	27,500							105
110	31.9	173.3	25,600 *	39.2	184.9	29,100 *	43.0	190.2	29,500	48.8	196.6	27,700	54.0	200.6	25,900							110
115	27.0	164.4	23,900 *	35.2	178.4	27,100 *	39.4	184.5	27,800	45.6	191.9	26,100	51.0	196.7	24,400							115
120	21.2	153.2	22,300 *	30.9	170.7	25,300 *	35.5	177.9	26,300	42.1	186.7	24,700	47.9	192.5	23,000	53.0	195.7	21,400				120
125	13.0	137.0	19,900 *	25.8	161.4	23,600 *	31.1	170.3	24,900	38.4	180.8	23,400	44.6	187.7	21,800	49.9	191.8	20,300				125
130				19.7	149.5	22,000 *	26.2	161.2	23,700	34.4	174.0	22,100	41.0	182.3	20,700	46.7	187.3	19,200				130
135				10.5	130.9	20,100 *	20.1	149.5	22,200 *	29.9	166.1	21,000	37.3	176.1	19,600	43.3	182.3	18,200				135
140							11.2	131.6	20,600 *	24.7	156.4	20,000	33.1	169.0	18,600	39.7	176.7	17,300	45.3	181.1	16,000	140
145										18.2	143.7	19,000	28.4	160.6	17,700	35.8	170.2	16,400	41.8	175.8	15,200	145
150										7.4	121.7	18,100	22.9	150.2	16,900	31.5	162.7	15,600	38.1	169.8	14,400	150
155													15.7	136.0	16,100	26.6	153.7	14,900	34.1	163.0	13,700	155
160																20.6	142.3	14,200	29.5	154.9	13,100	160
165																12.2	125.3	13,500	24.3	145.1	12,500	165
170																			17.6	132.0	11,900	170
175																			5.7	107.7	11,300	175

Liftcrane Luffing Jib Capacities

New York City Code
Luffing Jib No. 139 on Boom No. 78
142,000 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

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

777 SERIES 2

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	46,400 *																65
70	61.6	224.2	41,200 *	65.9	227.8	44,600 *																70
75	59.0	221.4	39,500 *	63.5	225.4	42,900 *	66.1	227.1	44,400 *													75
80	56.4	218.2	37,900 *	61.0	222.8	41,100 *	63.6	224.8	42,800 *													80
85	53.7	214.7	36,400 *	58.5	219.9	39,500 *	61.2	222.1	40,800 *													85
90	50.9	210.9	34,400 *	55.8	216.7	37,900 *	58.6	219.2	37,900	63.0	222.1	35,600										90
95	48.0	206.6	31,800 *	53.1	213.1	36,400 *	56.0	216.0	35,400	60.5	219.4	33,200										95
100	45.0	201.8	29,600 *	50.3	209.2	34,000 *	53.3	212.5	33,100	57.9	216.4	31,100										100
105	41.8	196.6	27,500 *	47.4	204.8	31,500 *	50.5	208.6	31,100	55.3	213.1	29,200										105
110	38.4	190.6	25,600 *	44.3	199.9	29,200 *	47.6	204.2	29,300	52.6	209.5	27,400	57.2	212.7	25,600							110
115	34.7	183.9	23,900 *	41.1	194.5	27,200 *	44.5	199.4	27,600	49.7	205.5	25,900	54.5	209.3	24,100							115
120	30.6	176.1	22,400 *	37.6	188.4	25,400 *	41.3	194.0	26,100	46.8	201.0	24,400	51.7	205.5	22,800							120
125	25.9	166.8	20,900 *	33.8	181.5	23,700 *	37.8	188.0	24,700	43.7	196.0	23,100	48.9	201.4	21,500							125
130	20.3	155.1	19,600 *	29.6	173.4	22,200 *	34.1	181.1	23,500	40.4	190.5	21,900	45.9	196.8	20,400	50.7	200.6	18,900				130
135	12.5	138.1	17,500 *	24.8	163.6	20,700 *	29.9	173.0	22,300	36.9	184.2	20,800	42.7	191.7	19,400	47.8	196.3	17,900				135
140				18.9	151.2	19,400 *	25.1	163.4	20,900 *	33.0	177.1	19,800	39.4	185.9	18,400	44.8	191.5	17,000				140
145				10.0	131.8	17,700 *	19.3	151.2	19,500 *	28.7	168.7	18,800	35.7	179.4	17,500	41.5	186.2	16,200	46.5	190.1	14,900	145
150							10.8	132.6	18,200 *	23.7	158.6	17,900	31.8	171.9	16,600	38.1	180.2	15,400	43.4	185.1	14,200	150
155										17.5	145.3	17,100	27.3	163.1	15,900	34.4	173.4	14,600	40.1	179.5	13,500	155
160										7.1	122.3	16,300	22.0	152.2	15,100	30.3	165.5	14,000	36.6	173.2	12,800	160
165													15.1	137.3	14,400	25.5	156.0	13,300	32.7	166.0	12,200	165
170																19.8	144.1	12,700	28.4	157.5	11,600	170
175																11.7	126.4	12,100	23.3	147.2	11,100	175
180																			16.9	133.5	10,600	180



Liftcrane Luffing Jib Capacities

777 SERIES 2

New York City Code

Luffing Jib No. 139 on Boom No. 78

142,000 Lb. Crane Counterweight

44,000 Lb. Carbody Counterweight

360 Degree Rating

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

100 Ft. Boom, 140 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	74.7	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	40,900 *																70
75	61.5	232.9	36,200 *	65.5	236.5	39,300 *	67.9	238.0	40,700 *													75
80	59.1	230.0	34,700 *	63.3	234.1	37,700 *	65.7	235.8	39,200 *													80
85	56.7	226.9	33,200 *	60.9	231.5	36,100 *	63.4	233.4	37,600 *													85
90	54.2	223.4	31,700 *	58.6	228.6	34,600 *	61.1	230.8	36,100 *													90
95	51.6	219.7	30,400 *	56.1	225.4	33,100 *	58.7	227.9	34,700 *	62.8	230.8	32,900										95
100	49.0	215.5	29,100 *	53.6	221.8	31,700 *	56.3	224.7	32,800	60.5	228.1	30,700										100
105	46.2	210.9	27,300 *	51.1	218.0	30,300 *	53.8	221.2	30,800	58.1	225.1	28,800										105
110	43.3	205.9	25,400 *	48.4	213.8	29,000 *	51.2	217.4	29,000	55.6	221.8	27,100										110
115	40.2	200.3	23,700 *	45.6	209.1	27,000 *	48.5	213.2	27,300	53.1	218.2	25,500	57.4	221.4	23,700							115
120	36.9	194.0	22,200 *	42.6	203.9	25,100 *	45.7	208.5	25,800	50.5	214.3	24,100	54.9	218.0	22,400							120
125	33.4	186.9	20,800 *	39.5	198.2	23,500 *	42.8	203.4	24,400	47.8	210.0	22,800	52.4	214.3	21,200							125
130	29.5	178.7	19,500 *	36.2	191.8	22,000 *	39.7	197.7	23,200	45.0	205.2	21,600	49.7	210.3	20,000							130
135	25.0	169.0	18,200 *	32.6	184.4	20,600 *	36.4	191.3	22,000	42.0	200.0	20,500	47.0	205.8	19,000	51.4	209.4	17,500				135
140	19.6	156.8	17,100 *	28.5	176.0	19,300 *	32.8	184.1	20,700 *	38.9	194.1	19,500	44.1	200.9	18,000	48.8	205.2	16,600				140
145	12.1	139.2	15,300 *	23.9	165.8	18,100 *	28.8	175.7	19,400 *	35.5	187.5	18,500	41.1	195.5	17,100	46.0	200.6	15,800				145
150				18.2	152.8	16,900 *	24.2	165.6	18,200 *	31.8	180.0	17,600	37.9	189.4	16,300	43.1	195.6	15,000	47.6	199.1	13,800	150
155				9.7	132.7	15,500 *	18.6	152.8	17,100 *	27.7	171.2	16,800	34.4	182.6	15,500	40.0	189.9	14,300	44.8	194.3	13,100	155
160							10.4	133.5	15,900 *	22.9	160.6	16,000	30.6	174.7	14,800	36.7	183.6	13,600	41.8	189.0	12,400	160
165										16.8	146.8	15,300	26.3	165.5	14,100	33.1	176.4	12,900	38.6	183.1	11,800	165
170										6.8	122.9	14,500	21.2	154.1	13,400	29.1	168.1	12,300	35.2	176.5	11,300	170
175													14.5	138.6	12,800	24.6	158.3	11,800	31.5	168.9	10,700	175
180																19.1	145.8	11,200	27.3	160.0	10,200	180
190																			16.2	134.9	9,300	190

Liftcrane Luffing Jib Capacities

New York City Code
Luffing Jib No. 139 on Boom No. 78
142,000 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

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

777 SERIES 2

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	36,200 *																75
80	61.4	241.5	31,900 *	65.2	245.2	34,700 *	67.4	246.7	36,000 *													80
85	59.2	238.7	30,400 *	63.0	242.8	33,200 *	65.3	244.5	34,600 *													85
90	56.9	235.6	29,100 *	60.9	240.1	31,700 *	63.2	242.1	33,200 *													90
95	54.6	232.2	27,700 *	58.7	237.2	30,300 *	61.0	239.5	31,800 *													95
100	52.2	228.4	26,500 *	56.4	234.0	29,000 *	58.8	236.6	30,400 *	62.6	239.4	30,600										100
105	49.8	224.4	25,300 *	54.1	230.6	27,700 *	56.5	233.4	29,100 *	60.4	236.7	28,700										105
110	47.2	220.0	24,100 *	51.7	226.8	26,400 *	54.2	229.9	27,800 *	58.2	233.7	27,000										110
115	44.5	215.1	23,000 *	49.2	222.7	25,200 *	51.8	226.2	26,500 *	55.9	230.5	25,400										115
120	41.8	209.8	22,000 *	46.6	218.1	24,100 *	49.4	222.1	25,300 *	53.6	227.0	24,000	57.5	230.0	22,300							120
125	38.8	203.9	20,800 *	43.9	213.2	23,000 *	46.8	217.6	24,200 *	51.2	223.1	22,700	55.2	226.7	21,100							125
130	35.6	197.3	19,500 *	41.1	207.7	22,000 *	44.1	212.7	23,100	48.7	218.9	21,500	52.9	223.1	19,900							130
135	32.2	189.9	18,300 *	38.1	201.7	20,600 *	41.3	207.2	21,900	46.1	214.3	20,400	50.5	219.1	18,900							135
140	28.4	181.3	17,200 *	34.9	195.0	19,300 *	38.3	201.2	20,700 *	43.4	209.3	19,400	47.9	214.8	17,900	52.0	218.2	16,500				140
145	24.1	171.2	16,100 *	31.4	187.3	18,200 *	35.1	194.5	19,500 *	40.5	203.7	18,400	45.3	210.1	17,000	49.6	214.1	15,700				145
150	18.9	158.5	15,100 *	27.5	178.5	17,000 *	31.6	186.9	18,300 *	37.5	197.6	17,500	42.5	204.9	16,200	47.0	209.7	14,900				150
155	11.7	140.2	13,500 *	23.1	167.9	16,000 *	27.8	178.2	17,200 *	34.2	190.6	16,700	39.6	199.2	15,400	44.3	204.8	14,200				155
160				17.6	154.4	15,000 *	23.4	167.7	16,100 *	30.7	182.8	15,900	36.5	192.8	14,700	41.5	199.4	13,500	45.9	203.5	12,300	160
165				9.4	133.5	13,800 *	17.9	154.5	15,100 *	26.7	173.6	15,200	33.2	185.6	14,000	38.6	193.5	12,900	43.2	198.4	11,700	165
170							10.0	134.4	14,100 *	22.1	162.6	14,500	29.5	177.4	13,400	35.4	186.8	12,300	40.3	192.8	11,200	170
175										16.3	148.2	13,900	25.4	167.8	12,800	31.9	179.3	11,700	37.2	186.5	10,600	175
180										6.6	123.5	13,200	20.5	156.0	12,200	28.1	170.7	11,100	34.0	179.6	10,100	180
190																18.4	147.4	10,100	26.4	162.4	9,200	190
200																			15.7	136.3	8,300	200



Liftcrane Luffing Jib Capacities

777 SERIES 2

New York City Code
Luffing Jib No. 139 on Boom No. 78
142,000 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

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

100 Ft. Boom, 160 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	74.8	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	30,100 *	66.9	255.5	31,400 *													85
90	59.2	247.3	26,200 *	62.9	251.5	28,700 *	65.0	253.2	30,100 *													90
95	57.1	244.2	24,900 *	60.8	248.8	27,400 *	63.0	250.8	28,700 *													95
100	54.9	240.9	23,700 *	58.7	245.9	26,100 *	60.9	248.1	27,400 *													100
105	52.7	237.2	22,500 *	56.6	242.7	24,800 *	58.9	245.2	25,700 *	62.4	248.1	23,000										105
110	50.4	233.2	21,400 *	54.5	239.3	23,600 *	56.8	242.1	24,000	60.4	245.4	21,500										110
115	48.1	228.9	20,300 *	52.2	235.6	22,400 *	54.6	238.7	22,400	58.3	242.4	20,000										115
120	45.6	224.3	19,300 *	49.9	231.5	21,300 *	52.4	235.0	21,000	56.2	239.2	18,700										120
125	43.1	219.1	18,300 *	47.5	227.2	20,200 *	50.1	230.9	19,700	54.0	235.7	17,600	57.7	238.7	15,400							125
130	40.4	213.5	17,400 *	45.1	222.4	19,200 *	47.7	226.6	18,600	51.8	231.9	16,500	55.5	235.4	14,400							130
135	37.5	207.3	16,500 *	42.5	217.2	18,200 *	45.2	221.8	17,500	49.5	227.8	15,500	53.3	231.8	13,500							135
140	34.5	200.5	15,700 *	39.8	211.4	17,300 *	42.6	216.6	16,500	47.1	223.4	14,500	51.1	228.0	12,600							140
145	31.2	192.7	14,900 *	36.9	205.1	16,400 *	39.9	210.9	15,500	44.6	218.5	13,700	48.7	223.7	11,900	52.5	227.0	10,100				145
150	27.5	183.8	14,200 *	33.8	198.0	15,600 *	37.0	204.6	14,700	41.9	213.2	12,900	46.3	219.2	11,100	50.3	223.0	9,400				150
155	23.3	173.3	13,600 *	30.4	190.1	14,800 *	34.0	197.6	13,900	39.2	207.3	12,100	43.8	214.2	10,400	47.9	218.7	8,800				155
160	18.3	160.1	13,000 *	26.6	180.9	14,100 *	30.6	189.7	13,100	36.3	200.9	11,400	41.1	208.7	9,800	45.4	213.9	8,200				160
165	11.3	141.2	11,700 *	22.3	169.9	13,300	26.9	180.6	12,400	33.1	193.7	10,800	38.3	202.7	9,200	42.9	208.8	7,600	46.9	212.5	6,100	165
170				17.0	155.9	12,600	22.6	169.8	11,700	29.7	185.5	10,100	35.3	196.0	8,600	40.2	203.1	7,100	44.4	207.6	5,700	170
175				9.1	134.3	11,900	17.4	156.0	11,100	25.8	176.0	9,600	32.1	188.5	8,100	37.3	196.9	6,600	41.7	202.3	5,200	175
180							9.7	135.2	10,400	21.4	164.5	9,000	28.6	180.0	7,600	34.2	190.0	6,200	39.0	196.4	4,800	180
190										6.4	124.0	7,900	19.8	157.7	6,600	27.2	173.1	5,300	32.9	182.6	4,000	190
200																17.9	149.0	4,500				200

Liftcrane Luffing Jib Capacities

New York City Code
Luffing Jib No. 139 on Boom No. 78
142,000 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

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

777 SERIES 2

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

Liftcrane Luffing Jib Capacities

777 SERIES 2

New York City Code

Luffing Jib No. 139 on Boom No. 78

142,000 Lb. Crane Counterweight

44,000 Lb. Carbody Counterweight

360 Degree Rating

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

110 Ft. Boom, 70 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
35	67.7	184.7	98,200 *b																			35
40	63.2	182.4	93,400 *b																			40
45	58.5	179.6	89,000 *	67.5	183.7	90,700 *b																45
50	53.6	176.2	77,000 *	63.0	181.4	83,300 *b																50
55	48.3	172.2	67,600 *	58.3	178.6	74,300	63.7	180.9	71,800 b													55
60	42.6	167.2	60,000 *	53.3	175.2	66,600	59.1	178.2	64,400													60
65	36.1	161.1	53,700 *	48.1	171.1	60,300	54.2	174.9	58,200													65
70	28.4	153.2	48,400 *	42.3	166.1	55,000	48.9	170.9	53,100	58.7	175.7	50,000										70
75	18.0	141.6	42,300 *	35.8	160.0	50,500	43.3	166.1	48,800	53.7	172.3	45,900										75
80				28.0	151.9	46,600	36.9	160.1	45,000	48.5	168.3	42,300	58.0	172.2	39,700							80
85				17.4	140.0	43,100	29.4	152.5	41,700	42.7	163.4	39,300	53.0	168.8	36,800							85
90							19.5	141.5	38,800	36.3	157.3	36,500	47.7	164.7	34,300							90
95										28.7	149.5	34,100	41.9	159.6	32,000	52.0	164.2	29,900				95
100										18.4	138.0	31,900	35.4	153.4	30,000	46.6	159.9	28,000				100
105													27.5	145.2	28,100	40.7	154.7	26,300				105
110													16.6	132.8	26,500	34.0	148.1	24,800	45.1	154.0	23,100	110
115																25.7	139.4	23,300	39.0	148.5	21,700	115
120																13.5	125.4	22,000	31.9	141.4	20,500	120
125																			23.1	131.8	19,400	125
130																			7.5	113.5	18,300	130

Liftcrane Luffing Jib Capacities

New York City Code
Luffing Jib No. 139 on Boom No. 78
142,000 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

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

777 SERIES 2

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	80,900 *			86,300 *b																45
50	58.7	188.3	77,700 *	70.4	194.4	81,000 *b																50
55	54.4	184.9	68,200 *	66.6	192.4	74,000																55
				62.6	190.1		67.2	191.9	71,400 b													
60	49.9	181.1	60,500 *																			60
65	45.0	176.5	54,200 *	58.5	187.3	66,300	63.3	189.6	64,000													65
70	39.7	171.0	48,900 *	54.2	183.9	60,000	59.2	186.8	57,900													70
75	33.7	164.3	44,400 *	49.7	180.0	54,700	54.9	183.6	52,800	62.9	187.1	49,600										75
80	26.6	155.7	40,500 *	44.8	175.4	50,200	50.4	179.8	48,400	58.8	184.3	45,500										80
				39.4	169.9	46,300	45.6	175.3	44,700	54.5	181.1	42,000										
85	16.9	143.1	35,800 *																			85
90				40.3	169.9	41,400	50.0	177.2	38,900													90
95				45.2	172.6	36,200	53.9	177.5	33,900													95
100				34.4	163.4	38,500	45.2	172.6	36,200	53.9	177.5	33,900										100
105				39.8	167.2	33,800	49.4	173.6	31,600													105
				33.9	160.5	31,700	44.5	168.9	29,600													
				26.8	151.9	29,700	39.1	163.3	27,800													
				17.2	139.6	28,000	33.0	156.4	26,200													
110																						110
115																						115
120																						120
125																						125
130																						130
135																						135
140																						140



Liftcrane Luffing Jib Capacities

777 SERIES 2

New York City Code

Luffing Jib No. 139 on Boom No. 78

142,000 Lb. Crane Counterweight

44,000 Lb. Carbody Counterweight

360 Degree Rating

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

110 Ft. Boom, 90 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
35	72.8	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	70,900 *	69.3	203.2	77,900 *b																50
55	58.8	196.9	68,100 *	65.9	201.2	73,700																55
60	55.1	193.7	60,600 *	62.3	198.7	66,100	66.4	200.6	63,700													60
65	51.1	189.9	54,300 *	58.7	195.9	59,800	62.9	198.2	57,600													65
70	46.8	185.5	49,100 *	54.9	192.6	54,500	59.3	195.5	52,500													70
75	42.3	180.5	44,600 *	50.9	188.9	50,000	55.5	192.3	48,200	62.6	195.8	45,200										75
80	37.3	174.5	40,800 *	46.6	184.5	46,100	51.5	188.6	44,500	59.0	193.0	41,700										80
85	31.7	167.2	37,400 *	42.1	179.4	42,800	47.4	184.3	41,200	55.2	189.8	38,600										85
90	25.0	158.0	34,400 *	37.1	173.3	39,800	42.9	179.3	38,400	51.2	186.0	35,900										90
95	15.9	144.5	30,600 *	31.4	166.0	37,200	37.9	173.5	35,800	47.0	181.7	33,600	54.6	186.3	31,300							95
100				24.7	156.6	34,400 *	32.4	166.4	33,600	42.4	176.6	31,400	50.6	182.4	29,300							100
105				15.4	142.9	31,600 *	25.9	157.4	31,500	37.5	170.7	29,500	46.4	178.0	27,500							105
110							17.2	144.7	29,700	31.9	163.4	27,800	41.8	172.9	25,900	49.8	177.8	24,100				110
115										25.2	154.3	26,200	36.8	166.7	24,500	45.5	173.2	22,700				115
120										16.2	141.0	24,800	31.1	159.3	23,100	40.9	167.9	21,400				120
125													24.2	149.8	21,900	35.7	161.6	20,300	44.3	167.3	18,800	125
130													14.6	135.6	20,700	29.8	153.8	19,200	39.5	161.7	17,800	130
135																22.6	143.7	18,200	34.2	155.1	16,800	135
140																11.9	127.6	17,300	28.1	146.8	16,000	140
145																			20.3	135.7	15,200	145
150																			6.6	114.7	14,400	150

Liftcrane Luffing Jib Capacities

New York City Code
Luffing Jib No. 139 on Boom No. 78
142,000 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

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

777 SERIES 2

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	63,100 *	68.4	212.0	69,400 *																55
60	59.0	205.6	60,500 *	65.3	209.9	65,800																60
65	55.6	202.4	54,200 *	62.1	207.4	59,500	65.8	209.3	57,300													65
70	52.0	198.7	49,000 *	58.8	204.6	54,200	62.6	206.9	52,200													70
75	48.3	194.5	44,500 *	55.4	201.3	49,700	59.4	204.1	47,900													75
80	44.3	189.7	40,700 *	51.8	197.7	45,800	56.0	201.0	44,100	62.3	204.5	41,300										80
85	40.0	184.2	37,400 *	48.1	193.5	42,500	52.4	197.4	40,900	59.1	201.7	38,200										85
90	35.4	177.8	34,400 *	44.1	188.7	39,500	48.7	193.3	38,000	55.7	198.5	35,600										90
95	30.1	170.0	31,800 *	39.8	183.1	36,900	44.8	188.6	35,500	52.1	194.8	33,200										95
100	23.7	160.1	29,400 *	35.1	176.6	34,500 *	40.6	183.1	33,300	48.4	190.7	31,100	55.2	195.0	28,900							100
105	15.1	145.9	26,400 *	29.8	168.7	31,800 *	35.9	176.8	31,200	44.4	185.9	29,200	51.6	191.3	27,100							105
110				23.4	158.7	29,500 *	30.7	169.2	29,400	40.2	180.4	27,500	47.9	187.0	25,500							110
115				14.6	144.2	27,200 *	24.5	159.6	27,700	35.5	174.0	25,900	43.9	182.2	24,100	50.9	186.6	22,300				115
120							16.3	146.2	26,200	30.2	166.2	24,500	39.6	176.6	22,700	47.1	182.3	21,000				120
125										23.9	156.4	23,200	34.8	170.0	21,500	43.1	177.3	19,900				125
130										15.4	142.4	21,900	29.4	162.0	20,400	38.7	171.5	18,800	46.0	176.4	17,300	130
135													22.9	151.8	19,300	33.8	164.7	17,900	41.9	171.2	16,400	135
140													13.9	136.8	18,300	28.3	156.4	17,000	37.4	165.2	15,600	140
145																21.5	145.6	16,100	32.4	158.0	14,800	145
150																11.3	128.6	15,300	26.6	149.2	14,100	150
155																			19.3	137.4	13,400	155
160																			6.2	115.3	12,700	160



Liftcrane Luffing Jib Capacities

777 SERIES 2

New York City Code
Luffing Jib No. 139 on Boom No. 78
142,000 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

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

110 Ft. Boom, 110 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
35	76.0	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	58,800 *	70.5	222.7	63,800 *																55
60	62.1	217.1	56,500 *	67.7	220.8	61,600 *																60
65	59.1	214.2	54,200 *	64.8	218.6	59,400																65
70	56.0	211.1	49,100 *	61.9	216.1	54,100	65.3	218.0	52,100													70
75	52.8	207.5	44,700 *	58.9	213.2	49,600	62.4	215.6	47,800													75
80	49.4	203.4	40,900 *	55.8	210.0	45,800	59.4	212.8	44,100													80
85	45.9	198.9	37,600 *	52.6	206.4	42,400	56.3	209.7	40,800	62.1	213.1	38,200										85
90	42.1	193.7	34,700 *	49.3	202.4	39,500	53.1	206.1	38,000	59.1	210.3	35,500										90
95	38.1	187.8	32,100 *	45.7	197.8	36,900	49.8	202.2	35,500	56.1	207.2	33,100										95
100	33.7	180.9	29,800 *	42.0	192.6	34,600	46.3	197.7	33,200	52.9	203.6	31,000										100
105	28.6	172.6	27,700 *	37.9	186.6	32,100 *	42.6	192.6	31,200	49.5	199.6	29,100	55.6	203.7	27,100							105
110	22.6	162.2	25,700 *	33.4	179.7	29,800 *	38.6	186.7	29,400	46.0	195.0	27,400	52.4	200.0	25,500							110
115	14.4	147.2	23,100 *	28.4	171.3	27,700 *	34.2	179.9	27,700	42.3	189.9	25,900	49.1	196.0	24,000							115
120				22.3	160.7	25,800 *	29.3	171.9	26,200	38.2	184.0	24,400	45.5	191.3	22,700	51.8	195.4	21,000				120
125				13.9	145.4	23,900 *	23.4	161.7	24,800	33.8	177.1	23,200	41.7	186.1	21,500	48.4	191.3	19,800				125
130							15.5	147.6	23,600	28.8	168.8	22,000	37.7	180.1	20,400	44.8	186.5	18,800				130
135										22.8	158.5	20,800	33.2	173.0	19,300	41.0	181.1	17,800	47.4	185.4	16,400	135
140										14.7	143.7	19,800	28.0	164.6	18,400	36.8	174.9	16,900	43.8	180.5	15,500	140
145													21.9	153.8	17,500	32.2	167.7	16,100	39.9	175.0	14,700	145
150													13.2	138.0	16,600	26.9	158.9	15,300	35.6	168.5	14,000	150
155																20.5	147.5	14,600	30.9	160.9	13,300	155
160																10.8	129.6	13,900	25.4	151.5	12,700	160
165																			18.3	139.1	12,100	165
170																			5.9	115.8	11,500	170

Liftcrane Luffing Jib Capacities

New York City Code
Luffing Jib No. 139 on Boom No. 78
142,000 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

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

777 SERIES 2

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	52,100 *	69.6	231.5	56,600 *																60
65	61.9	225.7	50,000 *	67.1	229.5	54,500 *																65
70	59.1	222.9	48,000 *	64.4	227.3	52,500 *	67.5	229.0	51,700													70
75	56.3	219.7	44,500 *	61.8	224.7	49,300	64.9	226.7	47,400													75
80	53.4	216.2	40,700 *	59.0	221.9	45,500	62.2	224.3	43,700													80
85	50.4	212.3	37,400 *	56.2	218.7	42,100	59.5	221.5	40,500													85
90	47.2	207.9	34,500 *	53.3	215.2	39,200	56.6	218.3	37,600	62.0	221.8	35,100										90
95	43.8	203.0	31,900 *	50.2	211.2	36,600	53.7	214.9	35,100	59.2	219.0	32,800										95
100	40.3	197.5	29,600 *	47.0	206.8	34,300	50.7	211.0	32,900	56.4	215.8	30,600										100
105	36.4	191.1	27,600 *	43.7	201.9	31,900 *	47.6	206.7	30,900	53.5	212.3	28,800										105
110	32.2	183.8	25,700 *	40.1	196.3	29,700 *	44.2	201.8	29,100	50.4	208.4	27,100	56.0	212.4	25,100							110
115	27.4	175.1	24,000 *	36.2	190.0	27,600 *	40.7	196.4	27,400	47.3	204.1	25,500	53.1	208.8	23,600							115
120	21.6	164.1	22,400 *	32.0	182.6	25,700 *	36.9	190.1	25,900	43.9	199.2	24,100	50.0	204.8	22,300							120
125	13.8	148.4	20,200 *	27.1	173.8	24,000 *	32.7	183.0	24,600	40.4	193.6	22,800	46.8	200.4	21,100	52.5	204.2	19,400				125
130				21.3	162.7	22,400 *	28.0	174.4	23,300	36.5	187.3	21,600	43.5	195.4	20,000	49.4	200.2	18,400				130
135				13.3	146.6	20,900 *	22.4	163.8	22,100	32.3	180.0	20,500	39.9	189.8	19,000	46.2	195.6	17,400				135
140							14.9	148.9	21,000	27.5	171.4	19,500	36.0	183.4	18,000	42.8	190.5	16,500				140
145										21.8	160.5	18,600	31.7	175.9	17,100	39.1	184.8	15,700	45.3	189.7	14,300	145
150										14.0	145.0	17,700	26.8	167.0	16,300	35.2	178.2	14,900	41.8	184.5	13,600	150
155													20.9	155.7	15,500	30.8	170.5	14,200	38.1	178.5	12,900	155
160													12.6	139.1	14,800	25.8	161.2	13,500	34.1	171.6	12,300	160
165																19.6	149.2	12,900	29.5	163.6	11,700	165
170																10.3	130.5	12,300	24.3	153.7	11,200	170
175																			17.6	140.6	10,600	175
180																			5.7	116.3	10,100	180



Liftcrane Luffing Jib Capacities

777 SERIES 2

New York City Code
Luffing Jib No. 139 on Boom No. 78
142,000 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

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

110 Ft. Boom, 130 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Oper. Rad. Feet
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	46,500 *																65
70	61.7	234.4	41,200 *	66.5	238.3	44,800 *																70
75	59.2	231.6	39,500 *	64.1	236.0	43,100 *	66.9	237.7	44,800 *													75
80	56.6	228.4	37,900 *	61.6	233.4	41,500 *	64.5	235.4	43,200 *													80
85	53.9	225.0	36,400 *	59.1	230.6	39,800 *	62.0	232.9	40,200													85
90	51.1	221.1	34,600 *	56.5	227.4	38,300 *	59.5	230.1	37,400													90
95	48.3	216.9	32,000 *	53.8	223.9	36,300	56.9	227.0	34,900	61.8	230.5	32,500										95
100	45.2	212.2	29,700 *	51.0	220.1	34,000	54.2	223.6	32,700	59.3	227.7	30,400										100
105	42.0	206.9	27,600 *	48.1	215.8	32,000	51.5	219.8	30,700	56.7	224.5	28,500										105
110	38.6	201.0	25,800 *	45.1	211.1	29,700 *	48.6	215.6	28,800	54.0	221.1	26,800										110
115	34.9	194.4	24,100 *	41.9	205.8	27,700 *	45.6	211.0	27,200	51.2	217.2	25,300	56.3	221.0	23,300							115
120	30.9	186.6	22,500 *	38.5	199.9	25,800 *	42.4	205.8	25,700	48.3	213.0	23,900	53.6	217.5	22,000							120
125	26.3	177.5	21,000 *	34.8	193.2	24,100 *	39.0	200.0	24,300	45.3	208.3	22,600	50.8	213.7	20,800							125
130	20.8	166.0	19,700 *	30.7	185.4	22,500 *	35.4	193.4	23,100	42.1	203.1	21,400	47.9	209.4	19,700							130
135	13.2	149.6	17,700 *	26.1	176.1	21,100 *	31.4	185.8	21,900	38.7	197.2	20,300	44.9	204.6	18,700	50.3	209.0	17,100				135
140				20.5	164.5	19,700 *	26.9	176.8	20,800	35.1	190.6	19,300	41.7	199.3	17,800	47.4	204.7	16,300				140
145				12.8	147.8	18,400 *	21.5	165.7	19,800	31.0	182.9	18,400	38.2	193.3	16,900	44.3	199.8	15,400				145
150							14.3	150.2	18,700 *	26.4	173.8	17,500	34.5	186.6	16,100	41.0	194.4	14,700	46.5	198.8	13,300	150
155										20.9	162.4	16,700	30.4	178.7	15,300	37.6	188.3	14,000	43.4	193.8	12,700	155
160										13.5	146.2	15,900	25.7	169.3	14,600	33.8	181.3	13,300	40.1	188.2	12,100	160
165													20.1	157.5	13,900	29.6	173.2	12,700	36.6	181.9	11,500	165
170													12.1	140.2	13,200	24.7	163.4	12,100	32.7	174.6	10,900	170
175																18.8	150.9	11,500	28.4	166.2	10,400	175
180																9.9	131.4	10,900	23.3	155.8	9,900	180
190																			5.5	116.8	8,900	190

Liftcrane Luffing Jib Capacities

New York City Code
Luffing Jib No. 139 on Boom No. 78
142,000 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

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

777 SERIES 2

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	42,700 *																65
70	63.9	245.6	37,800 *	68.3	249.1	41,100 *																70
75	61.6	243.1	36,200 *	66.1	247.0	39,600 *																75
80	59.3	240.2	34,700 *	63.8	244.7	38,000 *	66.4	246.4	39,500 *													80
85	56.9	237.1	33,200 *	61.5	242.1	36,400 *	64.2	244.1	38,100 *													85
90	54.4	233.7	31,800 *	59.2	239.2	34,900 *	61.9	241.6	36,600 *													90
95	51.8	229.9	30,400 *	56.7	236.1	33,500 *	59.5	238.8	34,600 *													95
100	49.2	225.8	29,100 *	54.3	232.7	32,100 *	57.1	235.7	32,300 *	61.7	239.1	30,000 *										100
105	46.4	221.3	27,400 *	51.7	228.9	30,700 *	54.7	232.3	30,300 *	59.3	236.3	28,100 *										105
110	43.5	216.3	25,600 *	49.0	224.7	29,400 *	52.1	228.6	28,500 *	56.9	233.2	26,400 *										110
115	40.4	210.7	23,900 *	46.3	220.2	27,400 *	49.5	224.5	26,900 *	54.4	229.8	24,900 *										115
120	37.2	204.5	22,300 *	43.4	215.2	25,600 *	46.7	220.0	25,400 *	51.9	226.0	23,500 *	56.6	229.7	21,600 *							120
125	33.6	197.4	20,900 *	40.3	209.6	23,900 *	43.8	215.1	24,000 *	49.2	221.9	22,200 *	54.1	226.3	20,400 *							125
130	29.7	189.3	19,600 *	37.0	203.3	22,300 *	40.8	209.6	22,800 *	46.5	217.4	21,000 *	51.5	222.5	19,300 *							130
135	25.3	179.8	18,300 *	33.5	196.2	20,900 *	37.6	203.5	21,600 *	43.6	212.4	20,000 *	48.9	218.3	18,300 *							135
140	20.0	167.8	17,200 *	29.6	188.1	19,600 *	34.1	196.5	20,600 *	40.5	206.9	19,000 *	46.1	213.7	17,400 *	51.0	217.9	15,900 *				140
145	12.7	150.8	15,500 *	25.1	178.4	18,400 *	30.2	188.6	19,600 *	37.3	200.7	18,000 *	43.2	208.7	16,500 *	48.3	213.6	15,000 *				145
150				19.7	166.3	17,200 *	25.9	179.2	18,600 *	33.7	193.7	17,200 *	40.1	203.0	15,700 *	45.5	208.9	14,300 *				150
155				12.3	148.9	16,100 *	20.7	167.6	17,500 *	29.9	185.6	16,300 *	36.8	196.7	14,900 *	42.6	203.8	13,600 *	47.6	207.8	12,300 *	155
160							13.8	151.4	16,300 *	25.4	176.1	15,600 *	33.2	189.6	14,200 *	39.5	198.0	12,900 *	44.8	203.0	11,700 *	160
165										20.2	164.2	14,900 *	29.3	181.4	13,600 *	36.1	191.6	12,300 *	41.8	197.7	11,100 *	165
170										13.0	147.4	14,200 *	24.8	171.6	12,900 *	32.5	184.3	11,700 *	38.6	191.8	10,500 *	170
175													19.3	159.3	12,300 *	28.5	175.8	11,200 *	35.2	185.1	10,000 *	175
180													11.7	141.3	11,800 *	23.8	165.6	10,600 *	31.5	177.5	9,500 *	180
190																9.5	132.2	9,600 *	22.4	157.8	8,600 *	190
200																			5.3	117.3	7,800 *	200

Liftcrane Luffing Jib Capacities

777 SERIES 2

New York City Code

Luffing Jib No. 139 on Boom No. 78

142,000 Lb. Crane Counterweight

44,000 Lb. Carbody Counterweight

360 Degree Rating

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

110 Ft. Boom, 150 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	75.9	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	36,400 *																75
80	61.5	251.7	31,900 *	65.7	255.7	34,900 *																80
85	59.3	248.9	30,500 *	63.6	253.3	33,500 *	66.0	255.2	34,300													85
90	57.1	245.8	29,100 *	61.4	250.7	32,100 *	63.9	252.8	31,700													90
95	54.8	242.4	27,800 *	59.2	247.9	30,700 *	61.8	250.3	29,400													95
100	52.4	238.7	26,500 *	57.0	244.8	29,200	59.6	247.4	27,300													100
105	49.9	234.7	25,300 *	54.6	241.4	27,200	57.3	244.4	25,500	61.6	247.8	22,600										105
110	47.4	230.3	24,200 *	52.3	237.7	25,500	55.0	241.0	23,800	59.4	245.0	21,100										110
115	44.7	225.5	23,100 *	49.8	233.6	23,900	52.7	237.4	22,300	57.1	241.9	19,700										115
120	42.0	220.2	22,100 *	47.3	229.2	22,400	50.2	233.4	20,900	54.8	238.5	18,400										120
125	39.0	214.3	20,900 *	44.6	224.4	21,100	47.7	229.0	19,600	52.4	234.8	17,300	56.8	238.4	15,000							125
130	35.9	207.8	19,600 *	41.8	219.1	19,900	45.0	224.3	18,500	50.0	230.8	16,200	54.5	235.0	14,000							130
135	32.5	200.4	18,400 *	38.9	213.2	18,700	42.3	219.0	17,400	47.5	226.4	15,200	52.1	231.3	13,100							135
140	28.7	192.0	17,300 *	35.7	206.6	17,700	39.4	213.2	16,400	44.8	221.6	14,300	49.7	227.2	12,300							140
145	24.4	182.0	16,200 *	32.3	199.2	16,700	36.2	206.8	15,500	42.0	216.3	13,500	47.1	222.8	11,500	51.7	226.7	9,600				145
150	19.3	169.5	15,200 *	28.5	190.7	15,800	32.9	199.5	14,600	39.1	210.5	12,700	44.4	217.9	10,800	49.2	222.5	8,900				150
155	12.3	151.8	13,700 *	24.2	180.6	15,000	29.2	191.2	13,800	36.0	204.0	12,000	41.6	212.5	10,100	46.6	218.0	8,300				155
160				19.0	168.0	14,200	25.0	181.4	13,100	32.6	196.6	11,300	38.7	206.6	9,500	43.9	213.1	7,800				160
165				11.9	149.9	13,400	20.0	169.4	12,400	28.8	188.2	10,600	35.5	200.0	8,900	41.1	207.6	7,300	45.9	212.1	5,600	165
170							13.3	152.6	11,700	24.6	178.3	10,000	32.1	192.5	8,400	38.1	201.6	6,800	43.2	207.0	5,200	170
175										19.5	165.9	9,400	28.3	183.9	7,900	34.9	194.8	6,300	40.3	201.4	4,800	175
180										12.5	148.5	8,900	23.9	173.7	7,400	31.4	187.1	5,800	37.2	195.2	4,400	180
190													11.3	142.3	6,400	23.0	167.7	5,000				190
200																9.2	133.0	4,200				200

Liftcrane Luffing Jib Capacities

New York City Code
Luffing Jib No. 139 on Boom No. 78
142,000 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

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

777 SERIES 2

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

Liftcrane Luffing Jib Capacities

777 SERIES 2

New York City Code

Luffing Jib No. 139 on Boom No. 78

142,000 Lb. Crane Counterweight

44,000 Lb. Carbody Counterweight

360 Degree Rating

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

110 Ft. Boom, 170 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib 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	27,800 *										90
95	59.4	266.2	22,700 *	63.1	270.7	25,300 *	65.3	272.6	26,600 *										95
100	57.4	263.1	21,500 *	61.2	268.1	24,000 *	63.5	270.2	25,400 *										100
105	55.4	259.8	20,400 *	59.3	265.2	22,800 *	61.6	267.6	24,200 *										105
110	53.3	256.2	19,300 *	57.3	262.1	21,600 *	59.6	264.8	23,000 *										110
115	51.2	252.4	18,300 *	55.3	258.8	20,500 *	57.6	261.7	21,500 *	61.4	265.1	18,900							115
120	49.0	248.2	17,300 *	53.2	255.2	19,400 *	55.6	258.4	20,200 *	59.4	262.3	17,600							120
125	46.7	243.6	16,400 *	51.1	251.3	18,400 *	53.6	254.9	18,900	57.5	259.2	16,500							125
130	44.4	238.7	15,500 *	48.9	247.1	17,400 *	51.4	251.0	17,700	55.4	255.9	15,400							130
135	41.9	233.4	14,600 *	46.6	242.6	16,500 *	49.2	246.9	16,700	53.4	252.3	14,400	57.2	255.8	12,200				135
140	39.3	227.6	13,800 *	44.2	237.6	15,600 *	47.0	242.4	15,700	51.2	248.5	13,500	55.2	252.4	11,400				140
145	36.6	221.1	13,000 *	41.8	232.3	14,700 *	44.6	237.5	14,800	49.0	244.3	12,700	53.1	248.8	10,700				145
150	33.6	214.0	12,300 *	39.2	226.4	13,900 *	42.2	232.3	13,900	46.8	239.8	11,900	51.0	244.9	10,000				150
155	30.4	206.0	11,600 *	36.4	220.0	13,100 *	39.6	226.5	13,100	44.4	234.9	11,200	48.7	240.7	9,300	52.7	244.2	7,500	155
160	26.9	196.9	10,700 *	33.5	212.8	12,400 *	36.9	220.1	12,400	42.0	229.6	10,500	46.5	236.1	8,700	50.5	240.3	6,900	160
165	22.9	186.1	9,900 *	30.3	204.8	11,600 *	34.0	213.1	11,700	39.4	223.7	9,900	44.1	231.2	8,100	48.3	236.0	6,400	165
170	18.1	172.8	9,100 *	26.8	195.6	10,700 *	30.8	205.2	11,000	36.6	217.3	9,300	41.6	225.8	7,600	46.0	231.3	5,900	170
175	11.6	153.9	8,400 *	22.7	184.7	9,900 *	27.4	196.3	10,400	33.7	210.2	8,700	39.0	219.9	7,100	43.6	226.3	5,400	175
180				17.9	171.2	9,100 *	23.4	185.7	9,800	30.5	202.3	8,200	36.3	213.4	6,600	41.1	220.8	5,000	180
190							12.5	154.9	8,600 *	23.1	182.5	7,200	30.1	198.1	5,700	35.7	208.2	4,200	190
200										11.8	150.6	6,300	22.5	177.8	4,900				200
210													10.6	144.2	4,100				210

Liftcrane Luffing Jib Capacities

New York City Code
Luffing Jib No. 139 on Boom No. 78
142,000 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

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

777 SERIES 2

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	92,000 *b																			40
45	58.9	189.8	85,900 *	68.6	194.1	87,600 *b																45
50	53.9	186.5	77,800 *	64.1	191.9	81,400 *b																50
55	48.7	182.5	68,300 *	59.5	189.2	72,900 *	65.3	191.6	71,100 b													55
60	43.0	177.6	60,600 *	54.6	186.0	66,000 *	60.7	189.0	63,800 b													60
65	36.6	171.6	54,200 *	49.4	182.1	60,000	55.9	185.9	57,700													65
70	29.0	163.9	48,800 *	43.7	177.4	54,700	50.8	182.2	52,600	61.1	186.8	49,200 b										70
75	18.9	152.6	42,800 *	37.5	171.5	50,200	45.3	177.7	48,300	56.3	183.8	45,200										75
80				30.1	164.1	46,300	39.2	172.2	44,600	51.2	180.1	41,700										80
85				20.5	153.5	42,900	32.2	165.3	41,300	45.8	175.7	38,600	56.5	180.6	36,000							85
90							23.4	155.8	38,500	39.7	170.3	36,000	51.4	177.0	33,500							90
95							8.5	138.3	35,800	32.8	163.5	33,600	45.9	172.6	31,300							95
100										24.2	154.3	31,400	39.9	167.2	29,300	51.2	172.7	27,100				100
105										10.5	138.3	29,500	33.1	160.4	27,500	45.8	168.2	25,500				105
110													24.6	151.3	25,900	39.7	162.8	24,000				110
115													11.2	135.8	24,300	32.8	156.0	22,600	45.1	162.7	20,800	115
120																24.2	146.8	21,300	39.0	157.1	19,700	120
125																10.4	130.8	20,100	31.9	150.1	18,600	125
130																			23.1	140.5	17,600	130
135																			7.5	122.2	16,600	135



Liftcrane Luffing Jib Capacities

777 SERIES 2

New York City Code

Luffing Jib No. 139 on Boom No. 78

142,000 Lb. Crane Counterweight

44,000 Lb. Carbody Counterweight

360 Degree Rating

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

120 Ft. Boom, 80 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
35	70.9	205.5	86,200 *b																			35
40	67.0	203.5	83,200 *b																			40
45	63.1	201.2	80,400 *																			45
50	59.0	198.5	77,200 *	67.5	202.9	78,400 *b																50
55	54.7	195.2	68,800 *	63.6	200.6	72,800 *																55
60	50.2	191.3	61,100 *	59.5	197.9	65,800 *	64.7	200.3	63,400													60
65	45.4	186.8	54,700 *	55.3	194.7	59,700	60.6	197.7	57,300													65
70	40.1	181.4	49,300 *	50.8	191.0	54,400	56.4	194.6	52,300													70
75	34.1	174.8	44,800 *	46.0	186.5	49,900	52.0	191.0	48,000	61.0	195.5	44,800										75
80	27.1	166.3	40,800 *	40.8	181.2	46,100	47.3	186.8	44,300	56.8	192.5	41,300										80
85	17.7	154.2	36,200 *	35.0	174.8	42,700	42.2	181.7	41,000	52.4	188.9	38,300										85
90				28.1	166.6	39,700	36.6	175.6	38,200	47.7	184.7	35,600	56.9	189.3	33,000							90
95				19.2	155.2	37,100	30.1	168.0	35,700	42.7	179.8	33,200	52.5	185.8	30,800							95
100							21.9	157.8	33,400	37.1	173.8	31,100	47.9	181.6	28,900							100
105							7.9	139.0	31,300	30.6	166.3	29,200	42.8	176.6	27,100	52.4	181.5	25,000				105
110										22.6	156.4	27,500	37.3	170.7	25,500	47.7	177.3	23,500				110
115										9.8	139.2	25,900	30.9	163.3	24,100	42.7	172.3	22,200				115
120													22.9	153.4	22,700	37.1	166.3	20,900	47.1	171.7	19,200	120
125													10.5	136.8	21,400	30.6	158.9	19,800	42.0	166.7	18,200	125
130																22.6	148.9	18,800	36.4	160.5	17,200	130
135																9.8	131.7	17,700	29.8	152.9	16,300	135
140																			21.6	142.5	15,400	140
145																			7.0	122.8	14,600	145

Liftcrane Luffing Jib Capacities

New York City Code
Luffing Jib No. 139 on Boom No. 78
142,000 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

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

777 SERIES 2

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	70,700 *	70.1	213.6	76,000 *b																50
55	59.1	207.1	68,000 *	66.7	211.6	71,900 *																55
60	55.3	203.9	61,100 *	63.2	209.3	65,400 *	67.6	211.2	63,100													60
65	51.4	200.2	54,800 *	59.6	206.6	59,400	64.2	209.0	57,100													65
70	47.1	195.9	49,500 *	55.8	203.4	54,200	60.6	206.3	52,000													70
75	42.6	190.8	45,000 *	51.9	199.8	49,700	56.8	203.3	47,700													75
80	37.7	184.9	41,100 *	47.7	195.5	45,900	52.9	199.8	44,000	60.9	204.2	41,000										80
85	32.1	177.8	37,700 *	43.2	190.6	42,500	48.8	195.7	40,800	57.1	201.2	38,000										85
90	25.5	168.7	34,600 *	38.4	184.8	39,600	44.5	191.0	38,000	53.3	197.7	35,300										90
95	16.7	155.7	30,900 *	32.9	177.8	37,000	39.7	185.5	35,500	49.2	193.7	33,000	57.3	198.0	30,600							95
100				26.5	169.1	34,600	34.4	178.8	33,200	44.8	189.0	30,900	53.4	194.5	28,600							100
105				18.1	156.9	32,300 *	28.3	170.6	31,200	40.1	183.5	29,000	49.3	190.5	26,900							105
110							20.6	159.6	29,400	34.9	177.0	27,300	45.0	185.9	25,300							110
115							7.5	139.7	27,700	28.8	169.0	25,800	40.3	180.4	23,800	49.2	186.2	21,900				115
120										21.3	158.3	24,400	35.1	174.0	22,500	44.8	181.5	20,700				120
125										9.2	140.0	23,000	29.1	166.0	21,300	40.1	176.1	19,600				125
130													21.6	155.4	20,200	34.9	169.6	18,500	44.3	175.9	16,900	130
135													9.9	137.7	19,100	28.8	161.5	17,600	39.5	170.4	16,000	135
140																21.3	150.8	16,700	34.2	163.7	15,200	140
145																9.2	132.5	15,800	28.1	155.4	14,500	145
150																			20.3	144.3	13,700	150
155																			6.6	123.4	13,000	155



Liftcrane Luffing Jib Capacities

777 SERIES 2

New York City Code
Luffing Jib No. 139 on Boom No. 78
142,000 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

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

120 Ft. Boom, 100 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
35	74.8	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	63,000 *	69.2	222.4	69,100 *																55
60	59.2	215.8	60,500 *	66.1	220.4	64,900 *																60
65	55.8	212.6	54,700 *	62.9	218.0	59,000 *	66.9	219.9	56,700													65
70	52.3	209.0	49,400 *	59.6	215.2	53,900	63.7	217.6	51,700													70
75	48.5	204.8	44,900 *	56.2	212.1	49,400	60.5	215.0	47,400													75
80	44.6	200.1	41,000 *	52.7	208.5	45,600	57.2	212.0	43,700													80
85	40.4	194.6	37,700 *	49.0	204.5	42,200	53.7	208.5	40,500	60.8	212.8	37,600										85
90	35.7	188.2	34,700 *	45.1	199.8	39,300	50.0	204.6	37,600	57.4	209.8	34,900										90
95	30.4	180.6	32,000 *	40.9	194.5	36,700	46.2	200.1	35,200	54.0	206.4	32,600										95
100	24.2	170.9	29,600 *	36.3	188.2	34,400	42.1	195.0	32,900	50.3	202.5	30,500	57.5	206.6	28,200							100
105	15.8	157.2	26,600 *	31.2	180.7	32,300	37.6	189.0	30,900	46.5	198.1	28,700	54.1	203.2	26,400							105
110				25.1	171.4	30,100 *	32.6	181.8	29,100	42.4	193.0	27,000	50.5	199.4	24,900							110
115				17.1	158.4	27,800 *	26.8	173.1	27,500	38.0	187.1	25,400	46.6	195.0	23,400							115
120							19.5	161.4	25,900	33.0	180.1	24,000	42.5	189.9	22,100	50.3	195.1	20,300				120
125							7.1	140.3	24,500	27.3	171.5	22,700	38.1	184.0	20,900	46.5	190.6	19,200				125
130										20.2	160.1	21,600	33.2	177.0	19,800	42.4	185.5	18,100				130
135										8.8	140.8	20,400	27.5	168.5	18,800	38.0	179.6	17,200	46.0	185.1	15,600	135
140													20.5	157.3	17,900	33.0	172.6	16,300	41.9	179.9	14,800	140
145													9.3	138.5	16,900	27.3	164.0	15,500	37.4	173.9	14,000	145
150																20.2	152.7	14,700	32.4	166.7	13,300	150
155																8.7	133.3	14,000	26.6	157.9	12,700	155
160																			19.3	146.1	12,000	160
165																			6.2	124.0	11,400	165

Liftcrane Luffing Jib Capacities

New York City Code
Luffing Jib No. 139 on Boom No. 78
142,000 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

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

777 SERIES 2

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	58,500 *																			55
60	62.3	227.2	56,400 *	68.4	231.2	61,600 *																60
65	59.3	224.4	54,200 *	65.5	229.1	58,900 *																65
70	56.2	221.3	49,500 *	62.6	226.6	53,800	66.3	228.7	51,600													70
75	53.0	217.7	45,000 *	59.7	223.9	49,300	63.4	226.3	47,300													75
80	49.7	213.7	41,200 *	56.6	220.8	45,500	60.5	223.7	43,600													80
85	46.1	209.2	37,800 *	53.4	217.3	42,200	57.4	220.6	40,400													85
90	42.4	204.1	34,900 *	50.1	213.3	39,200	54.3	217.3	37,600	60.7	221.5	34,900										90
95	38.4	198.2	32,300 *	46.6	208.9	36,600	51.0	213.4	35,100	57.7	218.5	32,500										95
100	34.0	191.4	30,000 *	42.9	203.9	34,300	47.6	209.1	32,900	54.5	215.1	30,500										100
105	29.0	183.2	27,900 *	38.9	198.1	32,300	43.9	204.3	30,900	51.3	211.4	28,600	57.8	215.3	26,400							105
110	23.1	173.0	25,900 *	34.6	191.4	30,400 *	40.0	198.7	29,100	47.8	207.1	26,900	54.6	212.0	24,800							110
115	15.1	158.5	23,300 *	29.7	183.4	28,200 *	35.8	192.3	27,400	44.2	202.3	25,400	51.4	208.2	23,400							115
120				23.9	173.5	26,300 *	31.1	184.7	26,000	40.4	196.8	24,000	48.0	203.9	22,100							120
125				16.3	159.9	24,400 *	25.6	175.4	24,600	36.1	190.4	22,700	44.3	199.1	20,900	51.3	203.9	19,100				125
130							18.6	163.1	23,300	31.5	183.0	21,500	40.5	193.7	19,800	47.8	199.6	18,100				130
135							6.8	140.9	22,100	26.0	173.9	20,500	36.3	187.4	18,800	44.2	194.8	17,100				135
140										19.3	161.9	19,400	31.6	179.9	17,800	40.3	189.3	16,300	47.4	194.1	14,700	140
145										8.4	141.6	18,500	26.2	170.9	17,000	36.1	183.0	15,500	43.8	189.2	14,000	145
150													19.5	159.0	16,100	31.5	175.5	14,700	39.9	183.6	13,300	150
155													8.9	139.3	15,300	26.0	166.4	14,000	35.6	177.2	12,600	155
160																19.3	154.4	13,300	30.9	169.5	12,000	160
165																8.3	134.0	12,700	25.4	160.2	11,400	165
170																			18.3	147.7	10,900	170
175																			5.9	124.5	10,300	175

Liftcrane Luffing Jib Capacities

777 SERIES 2

New York City Code
Luffing Jib No. 139 on Boom No. 78
142,000 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

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

120 Ft. Boom, 120 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
40	74.9	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	50,300 *																60
65	62.1	235.9	46,300 *	67.7	240.0	49,600 *																65
70	59.3	233.1	44,500 *	65.1	237.8	48,900 *																70
75	56.5	230.0	42,700 *	62.4	235.3	47,100 *	65.8	237.4	46,900													75
80	53.6	226.5	41,000 *	59.7	232.6	45,200	63.1	235.0	43,300													80
85	50.6	222.6	38,000 *	56.9	229.5	41,800	60.4	232.3	40,100													85
90	47.4	218.2	35,000 *	54.0	226.0	38,900	57.6	229.3	37,200													90
95	44.1	213.4	32,400 *	51.0	222.2	36,300	54.8	226.0	34,800	60.6	230.2	32,100										95
100	40.5	207.9	30,000 *	47.8	217.9	34,000	51.8	222.2	32,500	57.9	227.2	30,100										100
105	36.7	201.6	27,900 *	44.5	213.1	32,000	48.7	218.1	30,600	55.0	223.9	28,200										105
110	32.5	194.4	26,000 *	41.0	207.7	30,100	45.4	213.4	28,800	52.0	220.2	26,500	58.0	224.0	24,400							110
115	27.7	185.7	24,300 *	37.2	201.5	28,300 *	42.0	208.2	27,100	48.9	216.0	25,000	55.1	220.7	23,000							115
120	22.1	175.0	22,600 *	33.1	194.4	26,400 *	38.3	202.3	25,700	45.7	211.4	23,600	52.1	217.0	21,700							120
125	14.4	159.8	20,400 *	28.4	186.0	24,600 *	34.2	195.4	24,300	42.2	206.2	22,400	49.0	212.9	20,500							125
130				22.9	175.6	23,000 *	29.7	187.4	23,000	38.6	200.4	21,200	45.8	208.3	19,400	52.0	212.7	17,600				130
135				15.6	161.3	21,400 *	24.5	177.6	21,900	34.6	193.6	20,100	42.4	203.1	18,400	48.9	208.6	16,700				135
140							17.8	164.7	20,800	30.1	185.7	19,100	38.7	197.3	17,500	45.7	203.9	15,900				140
145							6.5	141.5	19,600 *	24.9	176.1	18,200	34.7	190.6	16,600	42.2	198.8	15,100				145
150										18.5	163.5	17,300	30.2	182.7	15,800	38.6	192.9	14,300	45.3	198.4	12,900	150
155										8.0	142.3	16,500	25.1	173.2	15,100	34.5	186.1	13,600	41.8	193.1	12,200	155
160													18.7	160.7	14,300	30.1	178.2	13,000	38.1	187.2	11,600	160
165													8.5	140.1	13,600	24.9	168.6	12,300	34.1	180.3	11,100	165
170																18.4	156.1	11,800	29.5	172.2	10,500	170
175																8.0	134.7	11,200	24.3	162.4	10,000	175
180																			17.6	149.3	9,500	180

Liftcrane Luffing Jib Capacities

New York City Code
Luffing Jib No. 139 on Boom No. 78
142,000 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

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

777 SERIES 2

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	46,300 *																65
70	61.9	244.6	41,200 *	67.1	248.7	45,000 *																70
75	59.4	241.8	39,500 *	64.7	246.5	43,400 *	67.7	248.3	45,000 *													75
80	56.8	238.6	38,000 *	62.2	244.0	41,800 *	65.3	246.1	43,000													80
85	54.1	235.2	36,500 *	59.7	241.2	40,200 *	62.9	243.7	39,800													85
90	51.3	231.4	34,900 *	57.1	238.1	38,700	60.4	241.0	37,000													90
95	48.5	227.2	32,300 *	54.5	234.7	36,100	57.8	238.0	34,500													95
100	45.4	222.5	29,900 *	51.7	231.0	33,800	55.2	234.7	32,300	60.6	238.8	29,800										100
105	42.3	217.3	27,800 *	48.8	226.8	31,700	52.4	231.0	30,300	58.0	235.8	28,000										105
110	38.9	211.5	25,900 *	45.8	222.2	29,900	49.6	227.0	28,500	55.4	232.6	26,300										110
115	35.2	204.9	24,200 *	42.7	217.1	28,200	46.7	222.5	26,900	52.7	228.9	24,800										115
120	31.2	197.2	22,600 *	39.3	211.3	26,300 *	43.5	217.5	25,400	49.8	224.9	23,400	55.5	229.4	21,400							120
125	26.6	188.2	21,200 *	35.7	204.8	24,500 *	40.2	211.9	24,100	46.9	220.5	22,100	52.8	225.8	20,200							125
130	21.2	176.9	19,800 *	31.7	197.3	22,900 *	36.7	205.6	22,800	43.8	215.5	21,000	49.9	221.8	19,100							130
135	13.9	161.1	17,900 *	27.3	188.5	21,500 *	32.8	198.4	21,700	40.5	210.0	19,900	47.0	217.3	18,100	52.7	221.5	16,400				135
140				22.0	177.6	20,100 *	28.5	190.0	20,600	37.0	203.8	18,900	43.9	212.4	17,200	49.8	217.4	15,600				140
145				15.0	162.6	18,800 *	23.5	179.8	19,600	33.2	196.7	18,000	40.6	206.9	16,400	46.9	213.0	14,800				145
150							17.1	166.2	18,700	28.9	188.4	17,100	37.1	200.7	15,600	43.8	208.1	14,000				150
155							6.2	142.0	17,300 *	23.9	178.3	16,300	33.3	193.6	14,800	40.5	202.5	13,400	46.5	207.5	11,900	155
160										17.7	165.1	15,500	29.0	185.3	14,100	37.0	196.3	12,700	43.4	202.5	11,300	160
165										7.7	143.0	14,800	24.1	175.3	13,500	33.2	189.2	12,100	40.1	196.9	10,800	165
170													18.0	162.3	12,800	28.9	180.9	11,500	36.6	190.5	10,300	170
175													8.2	140.8	12,200	23.9	170.8	11,000	32.7	183.3	9,800	175
180																17.7	157.6	10,500	28.4	174.8	9,300	180
190																			16.9	150.8	8,400	190

Liftcrane Luffing Jib Capacities

777 SERIES 2

New York City Code

Luffing Jib No. 139 on Boom No. 78

142,000 Lb. Crane Counterweight

44,000 Lb. Carbody Counterweight

360 Degree Rating

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

120 Ft. Boom, 140 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib 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	42,800 *													65
70	64.1	255.8	37,800 *	68.8	259.5	41,300 *													70
75	61.8	253.2	36,200 *	66.6	257.5	39,800 *													75
80	59.4	250.4	34,700 *	64.4	255.2	38,300 *	67.2	257.0	36,900										80
85	57.0	247.3	33,200 *	62.1	252.7	36,300	65.0	254.8	33,900										85
90	54.5	243.9	31,900 *	59.7	249.9	33,600	62.7	252.4	31,300										90
95	52.0	240.2	30,500 *	57.3	246.8	31,100	60.4	249.6	29,000										95
100	49.3	236.1	29,300 *	54.9	243.5	29,000	58.0	246.7	27,000	62.9	250.2	23,700							100
105	46.6	231.6	27,600 *	52.3	239.8	27,100	55.5	243.4	25,200	60.6	247.5	22,000							105
110	43.7	226.6	25,700 *	49.7	235.7	25,300	53.0	239.8	23,500	58.2	244.5	20,500							110
115	40.7	221.1	24,000 *	47.0	231.3	23,700	50.4	235.8	22,000	55.7	241.3	19,200							115
120	37.4	214.9	22,500 *	44.1	226.4	22,300	47.7	231.5	20,600	53.2	237.7	17,900							120
125	33.9	208.0	21,000 *	41.1	220.9	21,000	44.9	226.7	19,400	50.6	233.8	16,800	55.8	238.1	14,300				125
130	30.0	199.9	19,700 *	37.8	214.8	19,700	41.9	221.4	18,200	47.9	229.5	15,800	53.3	234.5	13,300				130
135	25.6	190.5	18,500 *	34.4	208.0	18,600	38.7	215.5	17,200	45.1	224.7	14,800	50.7	230.6	12,500				135
140	20.4	178.7	17,300 *	30.5	200.1	17,600	35.3	208.9	16,200	42.1	219.5	13,900	48.0	226.3	11,700				140
145	13.4	162.3	15,600 *	26.2	190.9	16,600	31.6	201.3	15,300	39.0	213.6	13,100	45.2	221.6	10,900	50.6	226.3	8,800	145
150				21.2	179.5	15,700	27.5	192.5	14,400	35.6	207.1	12,300	42.2	216.4	10,200	47.9	222.0	8,200	150
155				14.5	163.9	14,800	22.6	181.8	13,600	31.9	199.6	11,600	39.1	210.5	9,600	45.1	217.2	7,600	155
160							16.5	167.7	12,900	27.8	190.9	10,900	35.7	204.0	9,000	42.1	212.0	7,100	160
165							6.0	142.6	12,100	23.0	180.4	10,300	32.0	196.5	8,400	39.0	206.2	6,600	165
170										17.1	166.7	9,700	27.9	187.9	7,900	35.6	199.6	6,100	170
175										7.4	143.6	9,100	23.2	177.4	7,400	31.9	192.1	5,700	175
180													17.3	163.9	6,900	27.8	183.4	5,300	180
190																17.1	159.2	4,400	190

Liftcrane Luffing Jib Capacities

New York City Code
Luffing Jib No. 139 on Boom No. 78
142,000 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

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

777 SERIES 2

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	36,600 *													75
80	61.7	261.9	31,900 *	66.2	266.2	35,200 *													80
85	59.5	259.1	30,500 *	64.1	263.9	33,800 *	66.7	265.8	33,700										85
90	57.2	256.0	29,200 *	61.9	261.3	32,400 *	64.6	263.5	31,200										90
95	54.9	252.6	27,900 *	59.7	258.5	31,000 *	62.5	261.0	28,900										95
100	52.6	249.0	26,600 *	57.5	255.5	28,800	60.3	258.3	26,800										100
105	50.1	245.0	25,500 *	55.2	252.2	26,900	58.1	255.3	25,000	62.7	258.8	21,900							105
110	47.6	240.6	24,300 *	52.9	248.5	25,200	55.8	252.1	23,400	60.5	256.1	20,400							110
115	44.9	235.8	23,200 *	50.4	244.6	23,600	53.5	248.5	21,900	58.3	253.2	19,000							115
120	42.2	230.5	22,200 *	47.9	240.3	22,100	51.1	244.7	20,500	56.0	249.9	17,800							120
125	39.2	224.7	21,000 *	45.3	235.5	20,800	48.6	240.4	19,300	53.7	246.4	16,700							125
130	36.1	218.3	19,700 *	42.5	230.3	19,600	46.0	235.8	18,100	51.3	242.6	15,600	56.1	246.8	13,200				130
135	32.7	211.0	18,500 *	39.6	224.6	18,500	43.3	230.8	17,100	48.8	238.4	14,700	53.8	243.2	12,300				135
140	29.0	202.6	17,400 *	36.5	218.2	17,500	40.4	225.2	16,100	46.2	233.8	13,800	51.4	239.4	11,500				140
145	24.8	192.7	16,300 *	33.2	211.0	16,500	37.4	219.0	15,200	43.5	228.8	13,000	48.9	235.2	10,800				145
150	19.7	180.5	15,300 *	29.5	202.8	15,600	34.1	212.0	14,300	40.6	223.2	12,200	46.3	230.7	10,100	51.3	235.1	8,100	150
155	12.9	163.4	13,800 *	25.3	193.2	14,800	30.5	204.1	13,500	37.6	217.1	11,500	43.6	225.7	9,500	48.8	230.9	7,500	155
160				20.4	181.3	14,000	26.5	194.9	12,800	34.4	210.2	10,800	40.7	220.1	8,900	46.2	226.3	7,000	160
165				14.0	165.2	13,200	21.8	183.8	12,100	30.8	202.4	10,200	37.7	214.0	8,300	43.5	221.3	6,500	165
170							15.9	169.1	11,400	26.8	193.3	9,600	34.5	207.1	7,800	40.6	215.8	6,000	170
175							5.8	143.1	10,700	22.3	182.4	9,000	30.9	199.4	7,300	37.6	209.6	5,600	175
180										16.5	168.1	8,500	27.0	190.3	6,800	34.4	202.7	5,100	180
190													16.7	165.4	5,900	26.8	185.8	4,400	190

Liftcrane Luffing Jib Capacities

777 SERIES 2

New York City Code

Luffing Jib No. 139 on Boom No. 78

142,000 Lb. Crane Counterweight

44,000 Lb. Carbody Counterweight

360 Degree Rating

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

120 Ft. Boom, 160 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib 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	32,000 *													80
85	61.6	270.6	27,600 *	65.8	274.9	30,700 *													85
90	59.5	267.7	26,300 *	63.8	272.6	29,300 *	66.3	274.5	30,700										90
95	57.4	264.7	25,100 *	61.8	270.0	28,000 *	64.4	272.2	28,400										95
100	55.2	261.3	23,800 *	59.8	267.2	26,700 *	62.4	269.7	26,400										100
105	53.0	257.7	22,700 *	57.7	264.2	25,500 *	60.3	267.0	24,600										105
110	50.8	253.8	21,600 *	55.5	260.9	24,300 *	58.2	264.0	22,900	62.5	267.5	19,900							110
115	48.4	249.6	20,500 *	53.3	257.3	23,100 *	56.1	260.8	21,400	60.5	264.8	18,500							115
120	46.0	244.9	19,500 *	51.1	253.4	21,700	53.9	257.3	20,100	58.4	261.8	17,300							120
125	43.4	239.9	18,500 *	48.7	249.2	20,400	51.7	253.5	18,800	56.3	258.6	16,200							125
130	40.8	234.3	17,600 *	46.3	244.6	19,200	49.3	249.3	17,700	54.1	255.2	15,200							130
135	37.9	228.2	16,700 *	43.8	239.6	18,100	46.9	244.9	16,600	51.9	251.4	14,200	56.3	255.4	11,800				135
140	34.9	221.5	15,900 *	41.1	234.1	17,100	44.4	240.0	15,700	49.5	247.3	13,300	54.2	252.0	11,000				140
145	31.6	213.8	15,100 *	38.3	228.1	16,100	41.8	234.6	14,800	47.1	242.8	12,500	51.9	248.2	10,300				145
150	28.0	205.1	14,400 *	35.3	221.4	15,200	39.1	228.8	13,900	44.6	238.0	11,700	49.6	244.1	9,600				150
155	24.0	194.9	13,700 *	32.1	213.9	14,400	36.1	222.3	13,100	42.0	232.7	11,000	47.2	239.7	9,000	51.8	243.9	7,000	155
160	19.1	182.2	13,100 *	28.5	205.4	13,600	33.0	215.0	12,400	39.3	226.9	10,400	44.7	234.9	8,400	49.5	239.8	6,500	160
165	12.5	164.5	12,000 *	24.5	195.4	12,900	29.5	206.8	11,700	36.4	220.4	9,700	42.1	229.6	7,800	47.1	235.4	6,000	165
170				19.8	183.1	12,200	25.6	197.2	11,000	33.2	213.3	9,200	39.4	223.8	7,300	44.6	230.5	5,500	170
175				13.5	166.4	11,500	21.1	185.6	10,400	29.8	205.1	8,600	36.5	217.4	6,800	42.0	225.2	5,100	175
180							15.4	170.5	9,800	26.0	195.7	8,100	33.3	210.2	6,300	39.3	219.4	4,600	180
190										16.0	169.6	7,100	26.1	192.7	5,500				190
200													16.2	166.8	4,700				200

Liftcrane Luffing Jib Capacities

New York City Code
Luffing Jib No. 139 on Boom No. 78
142,000 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

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

777 SERIES 2

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

Liftcrane Luffing Jib Capacities

777 SERIES 2

New York City Code

Luffing Jib No. 139 on Boom No. 78

142,000 Lb. Crane Counterweight

44,000 Lb. Carbody Counterweight

360 Degree Rating

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

130 Ft. Boom, 70 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Oper. Rad. Feet
35	68.3	204.9	95,000 *b																			35
40	63.8	202.7	90,300 *b																			40
45	59.2	200.0	84,400 *	69.6	204.5	84,800 *b																45
50	54.3	196.7	78,100 *	65.2	202.4	79,600 *b																50
55	49.1	192.8	68,900 *	60.6	199.9	71,400 *b	66.9	202.2	70,400 b													55
60	43.4	188.0	61,100 *	55.8	196.8	64,600 *	62.3	199.8	63,100 b													60
65	37.1	182.1	54,600 *	50.7	193.0	58,900 *	57.6	196.9	57,100													65
70	29.6	174.5	49,200 *	45.2	188.5	54,000 *	52.6	193.4	52,100													70
75	19.8	163.6	43,500 *	39.1	183.0	49,900 *	47.3	189.2	47,800	58.8	195.1	44,400										75
80				32.0	176.0	46,000	41.4	184.1	44,100	53.9	191.8	40,900										80
85				23.2	166.4	42,700	34.8	177.7	40,900	48.7	187.8	37,900										85
90				7.8	148.4	38,200 *	26.8	169.3	38,100	42.9	182.9	35,300	54.9	188.9	32,600							90
95							15.4	156.3	35,500	36.5	176.9	33,000	49.7	185.1	30,400							95
100										29.0	169.1	30,900	44.1	180.4	28,500							100
105										18.9	157.8	29,000	37.9	174.6	26,800	50.4	181.1	24,500				105
110													30.6	167.3	25,200	44.9	176.5	23,100				110
115													21.2	157.0	23,700	38.7	170.9	21,800				115
120																31.6	163.8	20,500	45.1	171.3	18,700	120
125																22.6	154.1	19,400	39.0	165.8	17,700	125
130																6.0	134.5	18,300	31.9	158.8	16,700	130
135																			23.1	149.2	15,800	135
140																			7.5	130.8	15,000	140

Liftcrane Luffing Jib Capacities

New York City Code
Luffing Jib No. 139 on Boom No. 78
142,000 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

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

777 SERIES 2

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	79,700 *																			45
50	59.3	208.7	75,900 *	68.5	213.3	76,000 *b																50
55	55.0	205.4	69,500 *	64.6	211.1	71,300 *																55
60	50.5	201.6	61,600 *	60.5	208.5	64,400 *	66.0	210.9	62,700 b													60
65	45.7	197.1	55,100 *	56.3	205.5	58,700 *	62.0	208.5	56,700													65
70	40.5	191.8	49,700 *	51.9	201.9	53,800 *	57.9	205.6	51,700													70
75	34.6	185.3	45,100 *	47.2	197.6	49,600 *	53.6	202.2	47,500													75
80	27.7	177.0	41,100 *	42.1	192.5	45,800	49.0	198.2	43,800	59.0	203.8	40,500										80
85	18.5	165.3	36,700 *	36.5	186.4	42,400	44.0	193.4	40,600	54.7	200.5	37,500										85
90				29.9	178.8	39,500	38.6	187.7	37,800	50.2	196.7	34,900										90
95				21.7	168.4	36,900	32.5	180.7	35,300	45.3	192.1	32,600	55.6	197.6	30,000							95
100				7.3	149.1	32,600 *	25.0	171.6	33,000	40.0	186.7	30,500	51.1	193.9	28,100							100
105							14.4	157.6	31,000	34.1	180.1	28,700	46.3	189.5	26,300							105
110										27.1	171.6	27,000	41.1	184.3	24,800	51.7	189.9	22,600				110
115										17.6	159.5	25,400	35.3	177.9	23,400	46.9	185.6	21,300				115
120													28.6	169.9	22,100	41.8	180.5	20,100				120
125													19.8	158.8	20,900	36.1	174.3	19,000	47.1	180.4	17,200	125
130																29.5	166.6	18,000	42.0	175.3	16,300	130
135																21.1	156.0	17,100	36.4	169.2	15,400	135
140																5.6	135.0	16,100	29.8	161.5	14,600	140
145																			21.6	151.1	13,900	145
150																			7.0	131.5	13,100	150

Liftcrane Luffing Jib Capacities

777 SERIES 2

New York City Code

Luffing Jib No. 139 on Boom No. 78

142,000 Lb. Crane Counterweight

44,000 Lb. Carbody Counterweight

360 Degree Rating

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

130 Ft. Boom, 90 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
35	73.3	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	70,400 *	71.0	224.0	73,600 *b																50
55	59.4	217.3	67,800 *	67.6	222.1	69,800 *																55
60	55.6	214.1	61,700 *	64.1	219.8	64,000 *																60
65	51.6	210.4	55,200 *	60.5	217.2	58,300 *	65.4	219.6	56,500													65
70	47.5	206.2	49,800 *	56.7	214.1	53,400 *	61.8	217.1	51,500													70
75	43.0	201.2	45,300 *	52.9	210.6	49,200 *	58.1	214.3	47,200													75
80	38.1	195.4	41,400 *	48.7	206.5	45,500 *	54.3	210.9	43,600	62.7	215.2	40,200										80
85	32.6	188.3	37,900 *	44.4	201.8	42,200	50.3	207.0	40,400	59.1	212.4	37,300										85
90	26.0	179.4	34,800 *	39.6	196.2	39,300	46.0	202.6	37,600	55.3	209.2	34,700										90
95	17.4	166.9	31,300 *	34.3	189.6	36,700	41.4	197.3	35,100	51.3	205.5	32,400										95
100				28.2	181.4	34,400	36.3	191.1	32,900	47.1	201.2	30,300	56.1	206.3	27,800							100
105				20.4	170.3	32,300	30.6	183.6	30,900	42.6	196.1	28,500	52.1	202.7	26,100							105
110				6.9	149.7	28,100 *	23.6	173.8	29,100	37.7	190.2	26,800	48.0	198.5	24,500							110
115							13.5	158.9	27,400	32.1	183.0	25,300	43.5	193.6	23,100	52.6	198.7	21,000				115
120										25.5	173.9	23,900	38.7	187.9	21,900	48.5	194.6	19,900				120
125										16.6	161.0	22,600	33.3	181.0	20,700	44.1	189.8	18,800				125
130													26.9	172.4	19,600	39.3	184.2	17,800				130
135													18.7	160.5	18,600	34.0	177.5	16,900	44.3	184.6	15,200	135
140																27.8	169.1	16,000	39.5	179.0	14,400	140
145																19.9	157.8	15,200	34.2	172.4	13,700	145
150																5.3	135.5	14,400	28.1	164.1	13,000	150
155																			20.3	153.0	12,300	155
160																			6.6	132.1	11,700	160

Liftcrane Luffing Jib Capacities

New York City Code
Luffing Jib No. 139 on Boom No. 78
142,000 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

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

777 SERIES 2

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	62,800 *	69.9	232.8	67,300 *																55
60	59.4	226.0	60,400 *	66.8	230.8	63,500 *																60
65	56.0	222.8	55,100 *	63.7	228.5	57,800 *	68.0	230.5	56,100													65
70	52.5	219.2	49,800 *	60.4	225.9	52,900 *	64.8	228.3	51,100													70
75	48.8	215.1	45,200 *	57.1	222.8	48,700 *	61.6	225.8	46,800													75
80	44.9	210.4	41,300 *	53.6	219.4	45,000 *	58.3	222.9	43,200													80
85	40.7	205.0	37,900 *	49.9	215.4	41,800 *	54.9	219.6	40,000	62.5	223.9	36,900										85
90	36.0	198.7	34,900 *	46.1	210.9	39,000	51.3	215.9	37,200	59.2	221.1	34,300										90
95	30.8	191.1	32,200 *	42.0	205.8	36,400	47.5	211.6	34,700	55.8	217.9	32,000										95
100	24.7	181.6	29,800 *	37.5	199.7	34,100	43.5	206.7	32,500	52.2	214.3	29,900										100
105	16.5	168.4	26,900 *	32.5	192.6	32,100	39.2	201.0	30,600	48.5	210.1	28,100	56.5	215.0	25,600							105
110				26.7	183.8	30,200	34.4	194.3	28,800	44.6	205.4	26,400	52.9	211.5	24,100							110
115				19.4	172.0	28,400 *	29.0	186.2	27,100	40.3	199.9	24,900	49.3	207.4	22,700							115
120				6.5	150.3	24,300 *	22.3	175.8	25,600	35.7	193.5	23,500	45.4	202.8	21,500							120
125							12.8	160.0	24,300	30.4	185.8	22,300	41.2	197.5	20,300	49.7	203.5	18,300				125
130										24.2	176.1	21,100	36.6	191.3	19,200	45.9	198.9	17,400				130
135										15.8	162.4	20,000	31.5	183.9	18,200	41.7	193.7	16,400				135
140													25.5	174.7	17,300	37.2	187.7	15,600	46.0	193.7	13,900	140
145													17.7	162.1	16,400	32.2	180.5	14,800	41.9	188.6	13,200	145
150																26.3	171.5	14,100	37.4	182.5	12,500	150
155																18.9	159.5	13,400	32.4	175.4	11,900	155
160																5.0	135.9	12,700	26.6	166.5	11,300	160
165																			19.3	154.7	10,800	165
170																			6.2	132.6	10,200	170

Liftcrane Luffing Jib Capacities

777 SERIES 2

New York City Code
Luffing Jib No. 139 on Boom No. 78
142,000 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

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

130 Ft. Boom, 110 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Oper. Rad. Feet
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	56,100 *	69.0	241.6	61,500 *																60
65	59.5	234.6	54,100 *	66.2	239.5	57,600 *																65
70	56.4	231.5	49,900 *	63.3	237.2	52,700 *	67.3	239.3	51,000													70
75	53.2	228.0	45,300 *	60.4	234.5	48,600 *	64.4	237.0	46,800													75
80	49.9	224.0	41,500 *	57.3	231.5	44,900 *	61.5	234.5	43,100													80
85	46.4	219.5	38,100 *	54.2	228.1	41,700 *	58.5	231.6	39,900													85
90	42.7	214.5	35,100 *	50.9	224.3	38,900 *	55.4	228.3	37,200	62.2	232.6	34,200										90
95	38.7	208.6	32,500 *	47.5	220.0	36,400	52.1	224.7	34,700	59.3	229.8	31,900										95
100	34.3	201.9	30,100 *	43.8	215.1	34,100	48.8	220.5	32,500	56.2	226.6	29,800										100
105	29.4	193.8	28,000 *	39.9	209.5	32,000	45.2	215.9	30,500	53.0	223.0	28,000										105
110	23.5	183.8	26,000 *	35.7	203.0	30,200	41.4	210.6	28,700	49.6	219.0	26,400	56.8	223.7	24,000							110
115	15.8	169.8	23,600 *	30.9	195.4	28,500	37.3	204.5	27,100	46.1	214.5	24,900	53.6	220.2	22,600							115
120				25.4	186.1	26,800 *	32.8	197.3	25,600	42.4	209.4	23,500	50.3	216.3	21,400							120
125				18.4	173.7	24,900 *	27.6	188.7	24,300	38.4	203.5	22,200	46.8	211.9	20,200							125
130				6.2	150.8	21,500 *	21.3	177.7	23,000	34.0	196.7	21,100	43.2	206.9	19,200	50.7	212.3	17,300				130
135							12.2	161.1	21,900	29.0	188.5	20,000	39.2	201.2	18,200	47.3	208.0	16,400				135
140										23.0	178.2	19,000	34.9	194.5	17,300	43.6	203.1	15,500				140
145										15.0	163.7	18,100	30.0	186.7	16,400	39.7	197.4	14,800	47.4	202.8	13,100	145
150													24.3	176.9	15,600	35.4	191.0	14,000	43.8	197.9	12,500	150
155													16.9	163.6	14,900	30.7	183.3	13,400	39.9	192.3	11,900	155
160																25.1	173.8	12,700	35.6	185.8	11,300	160
165																18.0	161.2	12,100	30.9	178.2	10,700	165
170																4.8	136.4	11,500	25.4	168.8	10,200	170
175																			18.3	156.4	9,700	175
180																			5.9	133.1	9,200	180

Liftcrane Luffing Jib Capacities

New York City Code
Luffing Jib No. 139 on Boom No. 78
142,000 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

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

777 SERIES 2

130 Ft. Boom, 120 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
40	75.1	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	49,600 *																60
65	62.3	246.1	46,200 *	68.3	250.4	49,000 *																65
70	59.5	243.3	44,500 *	65.7	248.3	48,400 *																70
75	56.7	240.2	42,700 *	63.1	245.9	47,400 *	66.7	248.0	46,400													75
80	53.8	236.7	41,000 *	60.4	243.2	44,800 *	64.1	245.7	42,800													80
85	50.8	232.9	38,200 *	57.6	240.2	41,500 *	61.4	243.1	39,600													85
90	47.6	228.5	35,200 *	54.7	236.8	38,600	58.6	240.2	36,800													90
95	44.3	223.7	32,600 *	51.7	233.1	36,100	55.8	237.0	34,300	62.1	241.2	31,500										95
100	40.8	218.3	30,200 *	48.6	228.9	33,800	52.8	233.4	32,200	59.3	238.4	29,500										100
105	37.0	212.1	28,100 *	45.3	224.2	31,700	49.8	229.4	30,200	56.5	235.3	27,600										105
110	32.8	204.9	26,200 *	41.9	219.0	29,900	46.6	224.9	28,400	53.6	231.8	26,000										110
115	28.1	196.4	24,400 *	38.2	213.0	28,200	43.2	219.9	26,800	50.6	227.9	24,500	57.1	232.4	22,200							115
120	22.5	185.8	22,800 *	34.1	206.2	26,700	39.6	214.3	25,300	47.4	223.5	23,100	54.2	228.9	21,000							120
125	15.1	171.1	20,700 *	29.6	198.1	25,000 *	35.7	207.8	24,000	44.1	218.7	21,900	51.2	225.1	19,800							125
130				24.3	188.3	23,400 *	31.3	200.2	22,700	40.5	213.2	20,700	48.0	220.9	18,800							130
135				17.7	175.3	21,800 *	26.4	191.1	21,600	36.7	206.9	19,700	44.7	216.1	17,800	51.6	221.1	15,900				135
140				6.0	151.4	18,900 *	20.4	179.6	20,500	32.5	199.6	18,700	41.2	210.7	16,900	48.4	216.9	15,100				140
145							11.7	162.2	19,500	27.7	191.0	17,800	37.5	204.6	16,100	45.2	212.3	14,300				145
150										22.0	180.2	16,900	33.3	197.6	15,300	41.7	207.0	13,600				150
155										14.4	165.0	16,100	28.7	189.3	14,500	38.0	201.0	13,000	45.3	207.0	11,400	155
160													23.3	179.0	13,800	33.9	194.1	12,300	41.8	201.8	10,900	160
165													16.2	165.1	13,200	29.3	185.9	11,700	38.1	195.8	10,300	165
170																24.0	176.0	11,200	34.1	189.0	9,800	170
175																17.2	162.7	10,600	29.5	180.9	9,300	175
180																4.6	136.8	10,100	24.3	171.0	8,900	180
190																			5.7	133.7	8,000	190

Liftcrane Luffing Jib Capacities

777 SERIES 2

New York City Code
Luffing Jib No. 139 on Boom No. 78
142,000 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

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

130 Ft. Boom, 130 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib 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	45,700 *													65
70	62.1	254.8	41,100 *	67.7	259.2	45,100 *													70
75	59.6	252.0	39,500 *	65.3	257.0	43,000													75
80	57.0	248.9	38,000 *	62.8	254.5	39,400	66.2	256.7	36,700										80
85	54.3	245.5	36,500 *	60.3	251.8	36,300	63.7	254.4	33,700										85
90	51.5	241.7	35,100 *	57.8	248.8	33,600	61.3	251.8	31,200										90
95	48.7	237.5	32,400 *	55.1	245.5	31,200	58.7	248.9	28,900										95
100	45.7	232.9	30,100 *	52.4	241.9	29,100	56.1	245.7	26,900	61.9	249.9	23,400							100
105	42.5	227.7	28,000 *	49.5	237.8	27,100	53.4	242.2	25,100	59.4	247.1	21,700							105
110	39.1	221.9	26,100 *	46.6	233.3	25,400	50.6	238.3	23,500	56.8	244.0	20,300							110
115	35.5	215.3	24,300 *	43.5	228.3	23,800	47.7	234.0	22,000	54.1	240.5	18,900							115
120	31.5	207.8	22,800 *	40.2	222.7	22,400	44.6	229.2	20,600	51.3	236.7	17,700	57.3	241.0	14,900				120
125	27.0	198.8	21,300 *	36.6	216.4	21,100	41.4	223.8	19,400	48.4	232.5	16,600	54.6	237.7	13,900				125
130	21.6	187.8	19,900 *	32.7	209.2	19,900	38.0	217.8	18,300	45.4	227.8	15,600	51.9	233.9	13,000				130
135	14.5	172.4	18,100 *	28.4	200.7	18,700	34.2	210.9	17,200	42.2	222.6	14,700	49.0	229.8	12,200				135
140				23.4	190.4	17,700	30.1	202.9	16,200	38.9	216.8	13,800	46.0	225.2	11,400	52.2	229.9	9,000	140
145				17.0	176.8	16,700	25.3	193.4	15,300	35.2	210.1	13,000	42.9	220.1	10,700	49.4	225.9	8,400	145
150				5.7	151.9	15,800	19.6	181.3	14,500	31.2	202.5	12,200	39.5	214.4	10,000	46.4	221.3	7,800	150
155							11.3	163.2	13,600	26.6	193.4	11,500	35.9	208.0	9,400	43.3	216.3	7,300	155
160										21.2	182.1	10,800	32.0	200.5	8,800	40.0	210.7	6,800	160
165										13.8	166.3	10,200	27.6	191.8	8,200	36.4	204.3	6,300	165
170													22.3	181.1	7,700	32.5	197.1	5,800	170
175													15.5	166.5	7,200	28.2	188.5	5,400	175
180																23.1	178.1	5,000	180
190																4.4	137.2	4,100	190

Liftcrane Luffing Jib Capacities

New York City Code
Luffing Jib No. 139 on Boom No. 78
142,000 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

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

777 SERIES 2

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	41,300 *													70
75	61.9	263.4	36,200 *	67.2	267.9	39,900 *													75
80	59.6	260.6	34,700 *	64.9	265.7	38,500 *	68.0	267.6	36,200										80
85	57.2	257.5	33,300 *	62.6	263.2	35,900	65.7	265.5	33,300										85
90	54.7	254.2	31,900 *	60.3	260.5	33,200	63.5	263.1	30,700										90
95	52.2	250.5	30,600 *	57.9	257.5	30,800	61.2	260.5	28,400										95
100	49.5	246.4	29,400 *	55.5	254.2	28,600	58.8	257.6	26,400										100
105	46.8	241.9	27,800 *	53.0	250.6	26,700	56.4	254.4	24,600	61.8	258.6	21,200							105
110	43.9	237.0	25,900 *	50.3	246.7	25,000	53.9	250.9	23,000	59.4	255.7	19,800							110
115	40.9	231.5	24,100 *	47.6	242.3	23,400	51.3	247.1	21,500	57.0	252.6	18,400							115
120	37.6	225.4	22,600 *	44.8	237.5	22,000	48.6	242.9	20,200	54.5	249.2	17,200							120
125	34.2	218.5	21,100 *	41.8	232.2	20,700	45.9	238.3	19,000	52.0	245.5	16,100	57.5	249.7	13,400				125
130	30.3	210.5	19,800 *	38.6	226.3	19,500	42.9	233.2	17,800	49.3	241.4	15,100	55.0	246.4	12,500				130
135	26.0	201.2	18,600 *	35.2	219.7	18,400	39.8	227.5	16,800	46.6	236.9	14,200	52.5	242.7	11,600				135
140	20.8	189.6	17,400 *	31.5	212.1	17,300	36.5	221.1	15,800	43.7	231.9	13,300	49.9	238.7	10,900				140
145	14.0	173.7	15,800 *	27.4	203.2	16,400	32.9	213.9	14,900	40.6	226.4	12,500	47.1	234.3	10,200	52.8	238.7	7,900	145
150				22.5	192.4	15,500	29.0	205.6	14,100	37.4	220.2	11,800	44.3	229.4	9,500	50.2	234.7	7,300	150
155				16.3	178.3	14,600	24.4	195.6	13,300	33.9	213.2	11,100	41.3	224.0	8,900	47.5	230.3	6,700	155
160				5.5	152.4	13,800	18.8	183.0	12,500	30.0	205.2	10,400	38.0	217.9	8,300	44.6	225.5	6,200	160
165							10.8	164.1	11,800	25.6	195.7	9,800	34.6	211.1	7,700	41.6	220.2	5,800	165
170										20.4	184.0	9,200	30.8	203.4	7,200	38.5	214.2	5,300	170
175										13.3	167.4	8,600	26.5	194.2	6,700	35.0	207.6	4,900	175
180													21.5	183.0	6,300	31.3	199.9	4,500	180

Liftcrane Luffing Jib Capacities

777 SERIES 2

New York City Code
Luffing Jib No. 139 on Boom No. 78
142,000 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

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

130 Ft. Boom, 150 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib 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	38,000 *													70
75	64.0	274.6	33,300 *	68.8	278.7	36,700 *													75
80	61.8	272.1	31,900 *	66.7	276.6	35,400 *													80
85	59.6	269.3	30,600 *	64.6	274.4	34,000 *	67.5	276.3	33,100										85
90	57.4	266.2	29,200 *	62.5	271.9	32,700 *	65.4	274.2	30,500										90
95	55.1	262.9	28,000 *	60.3	269.2	30,600	63.3	271.8	28,300										95
100	52.7	259.2	26,700 *	58.1	266.2	28,500	61.1	269.1	26,300										100
105	50.3	255.3	25,500 *	55.8	262.9	26,600	58.9	266.2	24,500										105
110	47.7	250.9	24,400 *	53.4	259.4	24,800	56.6	263.1	22,900	61.6	267.2	19,600							110
115	45.1	246.2	23,300 *	51.0	255.5	23,300	54.3	259.6	21,400	59.5	264.4	18,300							115
120	42.3	240.9	22,300 *	48.5	251.3	21,800	51.9	255.9	20,000	57.2	261.3	17,100							120
125	39.4	235.2	21,100 *	45.9	246.6	20,500	49.5	251.8	18,800	54.9	257.9	16,000							125
130	36.3	228.7	19,800 *	43.2	241.6	19,300	46.9	247.3	17,700	52.5	254.3	15,000	57.7	258.4	12,300				130
135	33.0	221.5	18,600 *	40.3	236.0	18,200	44.2	242.4	16,700	50.1	250.3	14,000	55.4	255.1	11,500				135
140	29.3	213.2	17,500 *	37.3	229.7	17,200	41.4	237.0	15,700	47.5	245.9	13,200	53.0	251.5	10,700				140
145	25.1	203.5	16,400 *	34.0	222.8	16,300	38.4	231.0	14,800	44.9	241.1	12,400	50.6	247.5	10,000				145
150	20.1	191.4	15,400 *	30.4	214.8	15,400	35.2	224.4	14,000	42.1	235.8	11,600	48.1	243.2	9,400				150
155	13.5	174.9	14,000 *	26.4	205.6	14,500	31.8	216.8	13,200	39.2	230.0	10,900	45.4	238.5	8,700	50.9	243.6	6,600	155
160				21.7	194.4	13,800	28.0	208.1	12,500	36.1	223.5	10,300	42.7	233.4	8,200	48.4	239.3	6,100	160
165				15.8	179.7	13,000	23.6	197.8	11,800	32.7	216.2	9,700	39.8	227.7	7,600	45.8	234.7	5,600	165
170				5.3	152.8	12,300	18.2	184.6	11,100	29.0	207.9	9,100	36.7	221.3	7,100	43.1	229.6	5,200	170
175							10.5	165.1	10,500	24.7	198.0	8,600	33.4	214.2	6,600	40.2	223.9	4,800	175
180										19.7	185.7	8,000	29.7	206.1	6,200	37.1	217.7	4,400	180
190													20.8	184.9	5,300				190

Liftcrane Luffing Jib Capacities

New York City Code
Luffing Jib No. 139 on Boom No. 78
142,000 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

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

777 SERIES 2

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	32,200 *										80
85	61.7	280.8	27,700 *	66.3	285.4	30,900 *										85
90	59.6	277.9	26,400 *	64.3	283.1	29,600 *	67.0	285.1	30,100							90
95	57.5	274.9	25,100 *	62.3	280.6	28,300 *	65.0	282.9	27,800							95
100	55.4	271.6	23,900 *	60.3	277.8	27,000 *	63.1	280.4	25,800							100
105	53.2	268.0	22,800 *	58.2	274.8	25,800 *	61.0	277.8	24,000							105
110	50.9	264.1	21,700 *	56.1	271.6	24,400	59.0	274.9	22,400							110
115	48.6	259.9	20,600 *	53.9	268.1	22,900	56.8	271.8	20,900	61.5	275.9	17,800				115
120	46.1	255.3	19,600 *	51.6	264.3	21,400	54.7	268.4	19,600	59.5	273.1	16,600				120
125	43.6	250.2	18,600 *	49.3	260.2	20,100	52.5	264.7	18,400	57.4	270.0	15,500				125
130	40.9	244.7	17,700 *	46.9	255.7	18,900	50.2	260.7	17,300	55.2	266.7	14,500				130
135	38.1	238.7	16,800 *	44.4	250.8	17,800	47.8	256.3	16,200	53.0	263.0	13,600	57.8	267.1	11,000	135
140	35.1	231.9	16,000 *	41.8	245.4	16,800	45.3	251.6	15,300	50.7	259.1	12,700	55.7	263.8	10,200	140
145	31.9	224.4	15,200 *	39.0	239.6	15,900	42.7	246.4	14,400	48.4	254.9	11,900	53.5	260.2	9,500	145
150	28.3	215.8	14,500 *	36.1	233.1	15,000	40.0	240.7	13,600	46.0	250.2	11,200	51.2	256.4	8,800	150
155	24.3	205.6	13,800 *	32.9	225.8	14,200	37.2	234.5	12,800	43.4	245.2	10,500	48.9	252.2	8,200	155
160	19.5	193.2	13,200 *	29.4	217.5	13,400	34.1	227.5	12,100	40.7	239.6	9,800	46.4	247.6	7,700	160
165				25.6	207.9	12,700	30.8	219.6	11,400	37.9	233.5	9,200	43.9	242.6	7,100	165
170				21.0	196.3	12,000	27.0	210.6	10,700	34.9	226.7	8,700	41.3	237.2	6,600	170
175				15.3	181.0	11,300	22.8	199.8	10,100	31.6	219.1	8,100	38.5	231.2	6,200	175
180				5.2	153.3	10,700	17.6	186.2	9,500	28.0	210.4	7,600	35.5	224.6	5,700	180
190										19.0	187.4	6,700	28.8	208.7	4,900	190
200													20.1	186.7	4,100	200

Liftcrane Luffing Jib Capacities

777 SERIES 2

New York City Code

Luffing Jib No. 139 on Boom No. 78

142,000 Lb. Crane Counterweight

44,000 Lb. Carbody Counterweight

360 Degree Rating

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

130 Ft. Boom, 170 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib 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	27,000 *										90
95	59.7	286.6	22,900 *	64.1	291.8	25,800 *	66.6	293.8	27,300 *							95
100	57.7	283.6	21,700 *	62.2	289.2	24,600 *	64.8	291.6	25,500							100
105	55.7	280.3	20,600 *	60.3	286.5	23,500 *	62.9	289.1	23,700							105
110	53.6	276.7	19,500 *	58.3	283.5	22,300 *	61.0	286.4	22,100							110
115	51.5	272.9	18,500 *	56.3	280.3	21,200 *	59.0	283.6	20,600							115
120	49.3	268.8	17,500 *	54.2	276.8	20,100 *	57.0	280.4	19,300	61.5	284.6	16,200				120
125	47.0	264.3	16,600 *	52.1	273.1	19,000 *	55.0	277.1	18,000	59.5	281.7	15,100				125
130	44.7	259.4	15,700 *	50.0	269.0	18,000 *	52.9	273.4	16,900	57.5	278.7	14,100				130
135	42.2	254.2	14,800 *	47.7	264.7	17,100 *	50.8	269.5	15,900	55.5	275.4	13,200				135
140	39.7	248.4	14,000 *	45.4	259.9	16,100 *	48.6	265.3	14,900	53.4	271.8	12,300	57.9	275.7	9,800	140
145	36.9	242.1	13,300 *	43.0	254.8	15,300 *	46.3	260.7	14,100	51.3	267.9	11,600	55.9	272.5	9,100	145
150	34.0	235.1	12,500 *	40.5	249.2	14,400 *	43.9	255.7	13,200	49.1	263.8	10,800	53.9	269.0	8,500	150
155	30.9	227.2	11,800 *	37.8	243.0	13,600 *	41.4	250.3	12,500	46.9	259.3	10,100	51.7	265.2	7,900	155
160	27.5	218.2	11,000 *	34.9	236.3	12,900 *	38.8	244.3	11,700	44.5	254.4	9,500	49.6	261.1	7,300	160
165	23.5	207.8	10,100 *	31.9	228.7	12,100 *	36.0	237.8	11,100	42.0	249.1	8,900	47.3	256.6	6,800	165
170	18.9	194.9	9,300 *	28.5	220.1	11,300 *	33.0	230.5	10,400	39.5	243.3	8,300	45.0	251.8	6,300	170
175	12.7	177.2	8,600 *	24.8	210.1	10,500 *	29.8	222.3	9,800	36.7	236.9	7,800	42.5	246.6	5,800	175
180				20.4	198.1	9,600 *	26.2	212.9	9,300	33.8	229.8	7,300	40.0	240.9	5,400	180
190				5.0	153.7	8,200 *	17.1	187.7	8,200	27.2	212.8	6,400	34.4	227.7	4,500	190
200										18.5	189.1	5,500				200

Liftcrane Luffing Jib Capacities

New York City Code
Luffing Jib No. 139 on Boom No. 78
142,000 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

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

777 SERIES 2

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	79,500 *b																			45
50	54.6	207.0	74,700 *	66.3	212.9	75,500 *b																50
55	49.4	203.1	68,800 *	61.8	210.5	69,800 *b																55
60	43.8	198.3	61,700 *	57.0	207.5	63,100 *	63.9	210.5	62,500 b													60
65	37.5	192.5	55,100 *	52.0	203.9	57,500 *	59.3	207.8	56,600 b													65
70	30.2	185.1	49,600 *	46.6	199.6	52,800 *	54.4	204.6	51,600													70
75	20.6	174.5	43,900 *	40.6	194.4	48,700 *	49.2	200.6	47,300	61.3	206.3	43,500 b										75
80				33.9	187.8	45,200 *	43.5	195.9	43,700	56.5	203.2	40,200										80
85				25.6	179.1	42,100 *	37.2	190.0	40,500	51.4	199.6	37,200										85
90				13.3	164.9	39,300 *	29.8	182.4	37,700	46.0	195.2	34,600										90
95							20.0	171.6	35,200	40.0	189.8	32,400	53.3	197.2	29,500							95
100										33.1	183.1	30,300	48.0	193.1	27,600							100
105										24.6	174.0	28,500	42.2	188.1	26,000							105
110										11.3	158.5	26,700	35.7	181.9	24,400	49.6	189.5	22,100				110
115													28.0	173.9	23,000	44.0	184.8	20,800				115
120													17.3	161.9	21,700	37.7	179.0	19,700				120
125																30.4	171.6	18,600	45.1	180.0	16,700	125
130																20.9	161.2	17,600	39.0	174.4	15,800	130
135																			31.9	167.4	14,900	135
140																			23.1	157.8	14,100	140
145																			7.5	139.5	13,400	145

Liftcrane Luffing Jib Capacities

777 SERIES 2

New York City Code

Luffing Jib No. 139 on Boom No. 78

142,000 Lb. Crane Counterweight

44,000 Lb. Carbody Counterweight

360 Degree Rating

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

140 Ft. Boom, 80 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Oper. Rad. Feet
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	71,600 *	69.4	223.7	72,000 *b																50
55	55.3	215.7	67,600 *	65.5	221.6	68,100 *b																55
60	50.8	211.9	62,100 *	61.5	219.1	62,900 *	67.4	221.5	62,100 b													60
65	46.1	207.5	55,600 *	57.4	216.2	57,300 *	63.4	219.2	56,200													65
70	40.9	202.2	50,100 *	53.0	212.7	52,500 *	59.4	216.5	51,200													70
75	35.0	195.8	45,500 *	48.4	208.6	48,400 *	55.1	213.3	47,000													75
80	28.2	187.7	41,400 *	43.4	203.8	44,800 *	50.6	209.5	43,300	61.1	214.9	39,700										80
85	19.3	176.3	37,000 *	37.9	197.9	41,700 *	45.8	205.0	40,200	56.9	211.9	36,800										85
90				31.6	190.7	38,900 *	40.6	199.7	37,400	52.5	208.4	34,200										90
95				23.9	181.2	36,400 *	34.7	193.2	34,900	47.9	204.2	32,000										95
100				12.4	166.0	34,300 *	27.8	185.0	32,700	42.8	199.3	29,900	54.2	205.9	27,200							100
105							18.7	173.3	30,700	37.3	193.3	28,100	49.6	202.0	25,500							105
110										30.9	185.9	26,500	44.7	197.4	24,000							110
115										23.0	176.1	24,900	39.4	191.8	22,600	51.0	198.4	20,400				115
120										10.5	159.5	23,500	33.3	185.0	21,400	46.2	193.9	19,200				120
125													26.1	176.3	20,200	41.0	188.7	18,200				125
130													16.2	163.4	19,100	35.2	182.3	17,200	47.1	189.1	15,300	130
135																28.4	174.2	16,300	42.0	184.0	14,500	135
140																19.6	163.0	15,500	36.4	177.9	13,700	140
145																			29.8	170.2	13,000	145
150																			21.6	159.8	12,300	150
155																			7.0	140.1	11,700	155

Liftcrane Luffing Jib Capacities

New York City Code
Luffing Jib No. 139 on Boom No. 78
142,000 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

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

777 SERIES 2

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	69,500 *																			50
55	59.6	227.5	65,900 *	68.4	232.5	66,300 *b																55
60	55.9	224.4	61,700 *	64.9	230.3	62,500 *																60
65	51.9	220.7	55,700 *	61.4	227.8	56,900 *	66.6	230.2	55,900													65
70	47.8	216.5	50,300 *	57.7	224.9	52,100 *	63.1	227.9	50,900													70
75	43.3	211.6	45,600 *	53.8	221.5	48,000 *	59.4	225.2	46,700													75
80	38.4	205.8	41,700 *	49.8	217.5	44,500 *	55.7	222.0	43,100													80
85	33.0	198.8	38,200 *	45.5	213.0	41,300 *	51.7	218.3	39,900	61.0	223.6	36,500										85
90	26.5	190.1	35,100 *	40.8	207.6	38,600 *	47.5	214.0	37,200	57.3	220.6	34,000										90
95	18.2	177.9	31,600 *	35.7	201.3	36,100 *	43.1	209.1	34,700	53.4	217.1	31,700										95
100				29.8	193.5	33,900 *	38.2	203.3	32,500	49.3	213.1	29,700										100
105				22.5	183.3	31,900 *	32.7	196.2	30,500	45.0	208.5	27,900	54.8	214.6	25,300							105
110				11.7	167.1	30,000 *	26.2	187.4	28,800	40.3	203.1	26,200	50.8	210.8	23,800							110
115							17.6	174.9	27,100	35.1	196.6	24,800	46.6	206.5	22,400							115
120										29.1	188.6	23,400	42.0	201.3	21,100	52.0	207.2	18,900				120
125										21.6	178.1	22,100	37.0	195.3	20,000	47.9	203.0	17,900				125
130										9.9	160.4	20,900	31.4	187.9	18,900	43.4	198.1	16,900				130
135													24.6	178.5	18,000	38.5	192.3	16,100				135
140													15.2	164.7	17,000	33.1	185.4	15,200	44.3	193.3	13,500	140
145																26.7	176.7	14,500	39.5	187.7	12,800	145
150																18.4	164.7	13,700	34.2	181.0	12,100	150
155																			28.1	172.8	11,500	155
160																			20.3	161.6	10,900	160
165																			6.6	140.7	10,300	165



Liftcrane Luffing Jib Capacities

777 SERIES 2

New York City Code

Luffing Jib No. 139 on Boom No. 78

142,000 Lb. Crane Counterweight

44,000 Lb. Carbody Counterweight

360 Degree Rating

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

140 Ft. Boom, 100 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
35	75.2	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	62,500 *	70.7	243.2	63,900 *																55
60	59.7	236.2	60,200 *	67.6	241.3	60,900 *																60
65	56.3	233.1	55,600 *	64.4	239.0	56,400 *																65
70	52.8	229.5	50,200 *	61.2	236.5	51,600 *	65.9	239.0	50,500													70
75	49.1	225.4	45,600 *	57.9	233.5	47,500 *	62.8	236.6	46,300													75
80	45.2	220.8	41,600 *	54.5	230.2	43,900 *	59.5	233.8	42,700													80
85	41.0	215.4	38,200 *	50.9	226.4	40,800 *	56.1	230.7	39,600													85
90	36.4	209.2	35,200 *	47.1	222.0	38,000 *	52.6	227.1	36,800	60.9	232.2	33,600										90
95	31.2	201.7	32,500 *	43.0	217.0	35,600 *	48.9	223.0	34,400	57.6	229.3	31,300										95
100	25.2	192.4	30,000 *	38.6	211.2	33,400 *	45.0	218.3	32,200	54.1	225.9	29,300										100
105	17.2	179.5	27,200 *	33.8	204.4	31,400 *	40.7	212.9	30,200	50.5	222.0	27,500										105
110				28.2	196.1	29,600 *	36.1	206.6	28,400	46.6	217.6	25,900	55.4	223.3	23,300							110
115				21.4	185.2	28,000 *	30.9	199.1	26,800	42.6	212.5	24,400	51.8	219.7	22,000							115
120				11.1	168.1	25,900 *	24.8	189.6	25,400	38.1	206.6	23,000	48.1	215.4	20,700							120
125							16.7	176.5	24,000	33.2	199.7	21,800	44.1	210.6	19,600	52.9	215.9	17,400				125
130										27.6	191.1	20,600	39.8	205.1	18,600	49.2	211.9	16,500				130
135										20.5	179.9	19,600	35.1	198.5	17,600	45.3	207.3	15,600				135
140										9.4	161.2	18,600	29.7	190.7	16,700	41.1	201.9	14,800				140
145													23.3	180.6	15,900	36.5	195.7	14,100	46.0	202.4	12,300	145
150													14.5	166.0	15,100	31.4	188.3	13,400	41.9	197.2	11,700	150
155																25.3	179.0	12,700	37.4	191.2	11,100	155
160																17.5	166.2	12,100	32.4	184.0	10,500	160
165																			26.6	175.2	10,000	165
170																			19.3	163.4	9,500	170
175																			6.2	141.3	8,900	175

Liftcrane Luffing Jib Capacities

New York City Code
Luffing Jib No. 139 on Boom No. 78
142,000 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

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

777 SERIES 2

140 Ft. Boom, 110 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
40	73.9	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	55,800 *	69.7	252.0	58,900 *																60
65	59.7	244.8	53,900 *	66.9	250.0	56,200 *																65
70	56.6	241.7	50,300 *	64.1	247.7	51,500 *																70
75	53.4	238.2	45,700 *	61.1	245.1	47,400 *	65.4	247.7	46,200													75
80	50.1	234.3	41,800 *	58.1	242.2	43,800 *	62.5	245.2	42,600													80
85	46.7	229.9	38,400 *	55.0	238.9	40,700 *	59.5	242.5	39,500													85
90	43.0	224.8	35,400 *	51.7	235.2	37,900 *	56.5	239.3	36,700													90
95	39.0	219.1	32,700 *	48.3	231.0	35,500 *	53.3	235.8	34,300	60.8	240.9	31,200										95
100	34.6	212.4	30,300 *	44.7	226.2	33,300 *	50.0	231.9	32,100	57.8	237.9	29,200										100
105	29.7	204.4	28,200 *	40.9	220.8	31,300 *	46.5	227.4	30,200	54.6	234.6	27,400										105
110	24.0	194.6	26,200 *	36.8	214.6	29,500 *	42.8	222.3	28,400	51.4	230.8	25,800										110
115	16.4	181.0	23,800 *	32.2	207.3	27,900 *	38.8	216.5	26,800	48.0	226.6	24,300	55.8	232.0	21,900							115
120				26.9	198.5	26,400 *	34.4	209.8	25,300	44.4	221.8	23,000	52.6	228.4	20,700							120
125				20.4	187.1	25,000 *	29.5	201.8	24,000	40.5	216.3	21,800	49.2	224.4	19,500							125
130				10.6	169.0	22,800 *	23.6	191.8	22,800	36.3	210.0	20,600	45.7	219.8	18,500							130
135							16.0	177.9	21,600	31.6	202.6	19,600	41.9	214.6	17,500	50.2	220.8	15,600				135
140										26.3	193.5	18,600	37.9	208.6	16,700	46.7	216.3	14,700				140
145										19.6	181.7	17,700	33.4	201.6	15,800	43.0	211.3	14,000				145
150										9.0	162.0	16,800	28.3	193.2	15,100	39.1	205.6	13,300	47.4	211.4	11,600	150
155													22.2	182.7	14,300	34.7	198.9	12,700	43.8	206.5	11,000	155
160													13.8	167.3	13,600	29.9	191.0	12,000	39.9	200.9	10,500	160
165																24.1	181.2	11,500	35.6	194.5	9,900	165
170																16.7	167.7	10,900	30.9	186.9	9,400	170
175																			25.4	177.5	9,000	175
180																			18.3	165.0	8,500	180

Liftcrane Luffing Jib Capacities

777 SERIES 2

New York City Code

Luffing Jib No. 139 on Boom No. 78

142,000 Lb. Crane Counterweight

44,000 Lb. Carbody Counterweight

360 Degree Rating

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

140 Ft. Boom, 120 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib 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	48,300 *													65
70	59.7	253.5	44,400 *	66.4	258.7	47,000													70
75	56.9	250.4	42,800 *	63.7	256.4	42,900	67.6	258.6	39,600										75
80	54.0	247.0	41,100 *	61.0	253.8	39,300	65.0	256.4	36,300										80
85	51.0	243.1	38,500 *	58.3	250.9	36,300	62.3	253.9	33,500										85
90	47.9	238.9	35,500 *	55.4	247.6	33,600	59.6	251.1	30,900										90
95	44.6	234.1	32,800 *	52.5	244.0	31,200	56.8	248.0	28,700										95
100	41.0	228.7	30,400 *	49.4	239.9	29,100	53.9	244.6	26,700	60.7	249.6	22,900							100
105	37.3	222.5	28,300 *	46.2	235.4	27,100	50.8	240.7	24,900	58.0	246.6	21,300							105
110	33.1	215.4	26,300 *	42.7	230.3	25,400	47.7	236.4	23,300	55.1	243.3	19,800							110
115	28.4	207.0	24,600 *	39.1	224.5	23,900	44.4	231.6	21,900	52.1	239.6	18,500							115
120	22.9	196.6	22,900 *	35.1	217.9	22,400	40.9	226.2	20,500	49.0	235.5	17,400	56.2	240.7	14,300				120
125	15.7	182.4	20,800 *	30.7	210.2	21,100	37.1	220.0	19,300	45.8	230.9	16,300	53.2	237.2	13,300				125
130				25.7	200.8	19,900	32.9	212.8	18,200	42.4	225.8	15,300	50.2	233.2	12,400				130
135				19.5	188.8	18,800	28.2	204.3	17,100	38.7	219.9	14,400	47.0	228.8	11,600				135
140				10.1	169.9	17,700	22.6	193.8	16,100	34.7	213.2	13,500	43.6	223.9	10,900	51.1	229.6	8,400	140
145							15.3	179.3	15,200	30.3	205.3	12,700	40.1	218.3	10,200	47.9	225.3	7,800	145
150										25.1	195.8	12,000	36.2	211.9	9,600	44.6	220.5	7,200	150
155										18.7	183.4	11,300	31.9	204.5	9,000	41.1	215.2	6,700	155
160										8.6	162.8	10,600	27.1	195.7	8,400	37.4	209.0	6,200	160
165													21.3	184.6	7,800	33.2	202.0	5,700	165
170													13.2	168.5	7,300	28.6	193.6	5,300	170
175																23.1	183.3	4,900	175
180																15.9	169.2	4,500	180

Liftcrane Luffing Jib Capacities

New York City Code
Luffing Jib No. 139 on Boom No. 78
142,000 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

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

777 SERIES 2

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	45,000 *													65
70	62.3	264.9	41,000 *	68.3	269.6	44,500 *													70
75	59.7	262.2	39,500 *	65.9	267.5	42,500													75
80	57.2	259.1	38,000 *	63.4	265.1	39,000	67.0	267.3	36,000										80
85	54.5	255.7	36,600 *	60.9	262.5	35,900	64.6	265.1	33,100										85
90	51.7	251.9	35,200 *	58.4	259.5	33,200	62.1	262.6	30,600										90
95	48.9	247.8	32,700 *	55.8	256.3	30,900	59.6	259.8	28,400										95
100	45.9	243.2	30,300 *	53.1	252.7	28,700	57.0	256.7	26,400										100
105	42.7	238.1	28,200 *	50.2	248.8	26,800	54.4	253.3	24,600	60.7	258.2	20,900							105
110	39.4	232.3	26,200 *	47.3	244.4	25,100	51.6	249.5	23,000	58.1	255.3	19,500							110
115	35.7	225.8	24,500 *	44.2	239.5	23,600	48.7	245.4	21,500	55.5	252.0	18,200							115
120	31.8	218.3	22,900 *	41.0	234.1	22,100	45.7	240.7	20,200	52.8	248.4	17,000							120
125	27.3	209.5	21,400 *	37.5	228.0	20,800	42.6	235.6	19,000	49.9	244.4	15,900	56.5	249.4	12,900				125
130	22.0	198.6	20,000 *	33.7	221.0	19,600	39.2	229.8	17,900	47.0	240.0	14,900	53.8	245.9	12,100				130
135	15.1	183.7	18,200 *	29.5	212.9	18,500	35.6	223.2	16,800	43.9	235.0	14,000	51.0	242.1	11,300				135
140				24.7	203.1	17,500	31.6	215.7	15,900	40.6	229.5	13,200	48.1	237.8	10,500				140
145				18.7	190.5	16,500	27.1	206.8	15,000	37.1	223.3	12,400	45.1	233.1	9,800	51.8	238.4	7,400	145
150				9.7	170.8	15,600	21.7	195.8	14,100	33.3	216.3	11,700	41.9	227.8	9,200	48.9	234.2	6,800	150
155							14.7	180.6	13,300	29.0	208.0	11,000	38.4	221.9	8,600	46.0	229.7	6,300	155
160										24.1	198.0	10,300	34.7	215.1	8,000	42.8	224.5	5,800	160
165										18.0	185.0	9,700	30.7	207.3	7,500	39.4	218.8	5,400	165
170										8.3	163.5	9,100	26.0	198.1	7,000	35.8	212.3	4,900	170
175													20.4	186.4	6,500	31.9	204.9	4,500	175
180													12.7	169.6	6,100	27.4	196.1	4,200	180

Liftcrane Luffing Jib Capacities

777 SERIES 2

New York City Code

Luffing Jib No. 139 on Boom No. 78

142,000 Lb. Crane Counterweight

44,000 Lb. Carbody Counterweight

360 Degree Rating

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

140 Ft. Boom, 140 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib 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	41,300 *													70
75	62.1	273.6	36,100 *	67.7	278.3	40,000 *													75
80	59.8	270.8	34,700 *	65.5	276.2	38,500													80
85	57.4	267.8	33,300 *	63.2	273.8	35,500	66.5	276.1	32,600										85
90	54.9	264.4	32,000 *	60.9	271.1	32,800	64.3	273.8	30,100										90
95	52.4	260.7	30,700 *	58.5	268.2	30,400	62.0	271.2	27,900										95
100	49.7	256.7	29,500 *	56.1	265.0	28,300	59.6	268.5	25,900										100
105	47.0	252.2	27,900 *	53.6	261.5	26,400	57.2	265.4	24,100	63.0	269.6	20,400							105
110	44.1	247.3	26,000 *	51.0	257.6	24,700	54.8	262.0	22,500	60.6	266.9	18,900							110
115	41.1	241.9	24,300 *	48.3	253.3	23,100	52.2	258.3	21,100	58.3	263.9	17,700							115
120	37.9	235.8	22,700 *	45.5	248.7	21,700	49.6	254.2	19,700	55.8	260.7	16,500							120
125	34.4	229.0	21,300 *	42.6	243.5	20,400	46.8	249.8	18,500	53.3	257.1	15,400							125
130	30.6	221.1	19,900 *	39.4	237.7	19,200	44.0	244.8	17,400	50.7	253.2	14,400	56.7	258.1	11,500				130
135	26.3	211.9	18,700 *	36.1	231.3	18,100	40.9	239.4	16,400	48.0	248.9	13,500	54.2	254.7	10,700				135
140	21.2	200.5	17,500 *	32.5	223.9	17,100	37.7	233.3	15,400	45.2	244.2	12,700	51.7	250.9	10,000				140
145	14.6	185.0	15,900 *	28.4	215.4	16,200	34.2	226.4	14,600	42.2	239.0	11,900	49.0	246.7	9,300				145
150				23.8	205.2	15,300	30.4	218.5	13,700	39.1	233.2	11,200	46.2	242.2	8,700	52.4	247.2	6,200	150
155				18.0	192.1	14,400	26.1	209.2	13,000	35.7	226.6	10,500	43.3	237.1	8,100	49.8	243.1	5,700	155
160				9.4	171.6	13,600	20.9	197.7	12,200	32.1	219.2	9,900	40.3	231.5	7,500	47.1	238.7	5,300	160
165							14.1	181.8	11,500	28.0	210.5	9,300	37.0	225.3	7,000	44.2	233.8	4,800	165
170										23.2	200.1	8,700	33.4	218.2	6,500	41.2	228.4	4,400	170
175										17.3	186.6	8,100	29.5	210.0	6,100	38.0	222.3	4,000	175
180										8.0	164.2	7,600	25.1	200.3	5,600				180
190													12.2	170.7	4,800				190

Liftcrane Luffing Jib Capacities

New York City Code
Luffing Jib No. 139 on Boom No. 78
142,000 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

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

777 SERIES 2

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	36,700 *										75
80	62.0	282.3	31,900 *	67.2	287.1	35,500 *										80
85	59.8	279.5	30,600 *	65.1	284.9	34,200 *										85
90	57.5	276.4	29,300 *	63.0	282.4	32,600	66.1	284.8	29,900							90
95	55.2	273.1	28,000 *	60.8	279.8	30,300	64.0	282.5	27,700							95
100	52.9	269.5	26,800 *	58.6	276.9	28,100	61.9	279.9	25,700							100
105	50.5	265.5	25,700 *	56.3	273.7	26,200	59.7	277.1	24,000							105
110	47.9	261.2	24,500 *	54.0	270.2	24,500	57.4	274.1	22,400	62.8	278.2	18,800				110
115	45.3	256.5	23,500 *	51.6	266.4	23,000	55.1	270.7	20,900	60.6	275.6	17,500				115
120	42.5	251.3	22,400 *	49.1	262.3	21,600	52.8	267.1	19,600	58.4	272.6	16,300				120
125	39.6	245.6	21,300 *	46.6	257.7	20,300	50.3	263.1	18,400	56.1	269.4	15,300				125
130	36.5	239.2	19,900 *	43.9	252.8	19,100	47.8	258.8	17,300	53.8	265.9	14,300				130
135	33.2	232.0	18,700 *	41.0	247.3	18,000	45.2	254.0	16,300	51.4	262.0	13,400	56.9	266.8	10,600	135
140	29.5	223.8	17,600 *	38.0	241.3	17,000	42.4	248.8	15,300	48.9	257.9	12,600	54.6	263.4	9,800	140
145	25.4	214.2	16,500 *	34.8	234.5	16,000	39.5	243.0	14,400	46.3	253.3	11,800	52.3	259.7	9,200	145
150	20.5	202.4	15,500 *	31.3	226.8	15,200	36.4	236.6	13,600	43.6	248.3	11,100	49.8	255.6	8,500	150
155	14.1	186.3	14,100 *	27.4	217.9	14,300	33.0	229.4	12,800	40.7	242.8	10,400	47.2	251.2	8,000	155
160				22.9	207.3	13,600	29.3	221.1	12,100	37.7	236.6	9,700	44.6	246.4	7,400	160
165				17.4	193.7	12,800	25.2	211.4	11,500	34.5	229.8	9,200	41.8	241.0	6,900	165
170				9.1	172.4	12,100	20.2	199.5	10,800	30.9	222.0	8,600	38.8	235.1	6,400	170
175							13.6	183.0	10,200	27.0	213.0	8,100	35.7	228.6	5,900	175
180										22.4	202.1	7,600	32.3	221.1	5,500	180
190										7.7	164.9	6,600	24.2	202.5	4,700	190

Liftcrane Luffing Jib Capacities

777 SERIES 2

New York City Code

Luffing Jib No. 139 on Boom No. 78

142,000 Lb. Crane Counterweight

44,000 Lb. Carbody Counterweight

360 Degree Rating

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

140 Ft. Boom, 160 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	75.3	304.7	36,000 *													50
55	73.5	303.3	35,300 *													55
60	71.6	301.7	34,300 *													60
65	69.7	299.9	32,900 *													65
70	67.8	298.0	31,600 *													70
75	65.8	295.8	30,300 *	70.6	299.7	33,500 *										75
80	63.9	293.5	29,000 *	68.7	297.9	32,300 *										80
85	61.8	290.9	27,700 *	66.8	295.8	31,100 *										85
90	59.8	288.1	26,400 *	64.8	293.6	29,800 *	67.7	295.7	29,400							90
95	57.7	285.1	25,200 *	62.8	291.1	28,600 *	65.7	293.5	27,200							95
100	55.6	281.8	24,000 *	60.8	288.4	27,300 *	63.8	291.2	25,300							100
105	53.3	278.2	22,900 *	58.7	285.5	25,800	61.7	288.6	23,500							105
110	51.1	274.4	21,800 *	56.6	282.4	24,100	59.7	285.8	21,900							110
115	48.7	270.2	20,700 *	54.4	278.9	22,600	57.6	282.7	20,500	62.6	286.9	17,000				115
120	46.3	265.6	19,700 *	52.2	275.2	21,200	55.4	279.4	19,100	60.6	284.2	15,800				120
125	43.8	260.6	18,700 *	49.9	271.1	19,900	53.2	275.8	17,900	58.5	281.3	14,800				125
130	41.1	255.1	17,800 *	47.5	266.7	18,700	51.0	271.9	16,800	56.4	278.1	13,800				130
135	38.3	249.1	16,900 *	45.0	262.0	17,600	48.6	267.7	15,800	54.2	274.6	12,900				135
140	35.3	242.4	16,100 *	42.4	256.7	16,600	46.2	263.1	14,900	51.9	270.8	12,100	57.1	275.4	9,300	140
145	32.1	234.9	15,300 *	39.7	251.0	15,600	43.7	258.1	14,000	49.6	266.8	11,300	55.0	272.1	8,600	145
150	28.6	226.4	14,600 *	36.8	244.6	14,800	41.0	252.6	13,200	47.2	262.3	10,600	52.8	268.4	8,000	150
155	24.6	216.4	13,900 *	33.7	237.6	14,000	38.2	246.6	12,400	44.7	257.5	9,900	50.5	264.5	7,400	155
160	19.8	204.2	13,300 *	30.3	229.6	13,200	35.2	239.9	11,700	42.1	252.2	9,300	48.1	260.2	6,900	160
165	13.6	187.5	12,300 *	26.5	220.3	12,500	31.9	232.3	11,100	39.4	246.4	8,700	45.7	255.5	6,400	165
170				22.2	209.3	11,800	28.4	223.7	10,400	36.5	240.0	8,100	43.1	250.4	5,900	170
175				16.9	195.2	11,100	24.4	213.6	9,800	33.3	232.8	7,600	40.4	244.8	5,500	175
180				8.8	173.2	10,500	19.6	201.2	9,300	29.9	224.7	7,100	37.6	238.6	5,000	180
190										21.7	204.1	6,200	31.2	224.0	4,200	190
200										7.4	165.6	5,300				200

Liftcrane Luffing Jib Capacities

New York City Code
Luffing Jib No. 139 on Boom No. 78
142,000 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

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

777 SERIES 2

140 Ft. Boom, 170 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
55	74.5	313.7	31,800 *													55
60	72.7	312.2	31,200 *													60
65	70.9	310.6	30,300 *													65
70	69.1	308.7	29,000 *													70
75	67.3	306.7	27,800 *													75
80	65.5	304.6	26,500 *	70.0	308.6	29,100 *										80
85	63.6	302.2	25,300 *	68.2	306.7	28,400 *										85
90	61.7	299.6	24,100 *	66.4	304.6	27,300 *										90
95	59.8	296.8	22,900 *	64.5	302.3	26,100 *	67.2	304.4	26,900							95
100	57.8	293.8	21,800 *	62.6	299.8	24,900 *	65.4	302.2	24,900							100
105	55.8	290.5	20,700 *	60.7	297.1	23,800 *	63.5	299.8	23,100							105
110	53.8	287.0	19,600 *	58.8	294.2	22,600 *	61.6	297.2	21,500							110
115	51.6	283.2	18,600 *	56.8	291.0	21,500 *	59.7	294.4	20,100							115
120	49.5	279.1	17,600 *	54.7	287.6	20,400 *	57.7	291.4	18,800	62.4	295.6	15,400				120
125	47.2	274.6	16,700 *	52.7	284.0	19,400 *	55.7	288.1	17,600	60.5	292.9	14,400				125
130	44.9	269.8	15,800 *	50.5	280.0	18,400 *	53.6	284.6	16,500	58.6	289.9	13,400				130
135	42.4	264.5	15,000 *	48.3	275.7	17,300	51.5	280.7	15,500	56.6	286.8	12,500				135
140	39.9	258.8	14,100 *	46.0	271.1	16,300	49.3	276.6	14,500	54.5	283.3	11,700				140
145	37.1	252.5	13,400 *	43.6	266.0	15,300	47.1	272.1	13,700	52.4	279.6	10,900	57.3	284.1	8,300	145
150	34.3	245.6	12,600 *	41.1	260.5	14,500	44.7	267.3	12,900	50.3	275.6	10,200	55.3	280.8	7,600	150
155	31.1	237.8	11,900 *	38.5	254.5	13,600	42.3	262.0	12,100	48.0	271.3	9,600	53.2	277.2	7,100	155
160	27.7	228.9	11,100 *	35.7	247.9	12,900	39.7	256.3	11,400	45.7	266.6	8,900	51.1	273.3	6,500	160
165	23.8	218.6	10,200 *	32.7	240.5	12,200	37.0	250.0	10,700	43.3	261.5	8,400	48.9	269.1	6,000	165
170	19.2	205.9	9,400 *	29.4	232.2	11,500	34.1	243.0	10,100	40.8	256.0	7,800	46.6	264.6	5,500	170
175	13.2	188.7	8,700 *	25.7	222.6	10,700 *	31.0	235.1	9,500	38.2	249.9	7,300	44.2	259.6	5,100	175
180				21.5	211.2	9,900 *	27.5	226.2	9,000	35.4	243.2	6,800	41.7	254.3	4,700	180
190				8.5	174.0	8,400 *	19.0	202.9	7,900	29.0	227.4	5,900				190
200										21.1	205.9	5,100				200
210										7.2	166.2	4,300				210



Liftcrane Luffing Jib Capacities

777 SERIES 2

New York City Code

Luffing Jib No. 139 on Boom No. 78

142,000 Lb. Crane Counterweight

44,000 Lb. Carbody Counterweight

360 Degree Rating

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

150 Ft. Boom, 70 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib 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	68.9	225.2	86,700 *b																			35
40	64.5	223.0	81,400 *b																			40
45	59.8	220.4	76,400 *b																			45
50	55.0	217.2	71,900 *	67.4	223.4	71,400 *b																50
55	49.8	213.4	67,700 *	62.9	221.0	67,400 *b																55
60	44.2	208.7	61,700 *	58.2	218.2	62,200 *b	65.5	221.2	61,800 b													60
65	38.0	203.0	55,900 *	53.2	214.8	56,600 *	60.9	218.7	55,900 b													65
70	30.7	195.7	50,200 *	47.9	210.7	51,900 *	56.1	215.6	51,000													70
75	21.4	185.4	44,700 *	42.1	205.7	47,900 *	51.0	211.9	46,800													75
80				35.6	199.5	44,400 *	45.5	207.5	43,200	59.0	214.5	39,300 b										80
85				27.8	191.4	41,300 *	39.5	202.0	40,000	54.1	211.2	36,500										85
90				17.1	179.3	38,600 *	32.5	195.1	37,200	48.8	207.2	33,900										90
95							23.8	185.8	34,800	43.2	202.4	31,700	56.7	209.0	28,600							95
100							9.6	169.1	32,500	36.8	196.5	29,700	51.7	205.4	26,800							100
105										29.3	188.8	27,900	46.2	201.0	25,100							105
110										19.3	177.7	26,200	40.3	195.7	23,700							110
115													33.4	189.0	22,300	48.7	197.9	19,900				115
120													25.1	180.1	21,100	43.0	193.1	18,800				120
125													12.2	165.3	19,900	36.7	187.1	17,800				125
130																29.1	179.3	16,800	45.1	188.7	14,800	130
135																19.1	168.1	15,900	39.0	183.1	14,000	135
140																			31.9	176.1	13,300	140
145																			23.1	166.5	12,600	145
150																			7.5	148.2	11,900	150

Liftcrane Luffing Jib Capacities

New York City Code
Luffing Jib No. 139 on Boom No. 78
142,000 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

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

777 SERIES 2

150 Ft. Boom, 80 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
35	71.7	235.8	80,700 *b																			35
40	67.9	234.0	78,400 *b																			40
45	63.9	231.7	73,900 *b																			45
50	59.9	229.1	69,800 *	70.3	234.1	69,000 *b																50
55	55.6	225.9	66,000 *	66.5	232.1	65,400 *b																55
60	51.2	222.2	61,200 *	62.5	229.7	61,600 *																60
65	46.4	217.8	55,700 *	58.4	226.9	56,100 *	64.8	229.9	55,500 b													65
70	41.2	212.6	50,500 *	54.1	223.5	51,400 *	60.8	227.3	50,600													70
75	35.5	206.3	45,800 *	49.5	219.6	47,300 *	56.6	224.3	46,400													75
80	28.7	198.3	41,700 *	44.7	215.0	43,800 *	52.2	220.7	42,800													80
85	20.0	187.3	37,500 *	39.3	209.4	40,800 *	47.5	216.5	39,700	59.1	223.2	36,000										85
90				33.2	202.6	38,100 *	42.5	211.5	36,900	54.8	219.9	33,500										90
95				26.0	193.8	35,600 *	36.8	205.5	34,500	50.3	216.1	31,300										95
100				16.0	180.7	33,500 *	30.4	197.9	32,300	45.5	211.6	29,300	57.1	217.7	26,300							100
105							22.3	187.8	30,300	40.2	206.2	27,500	52.8	214.1	24,700							105
110							8.9	169.9	28,500	34.3	199.7	25,900	48.1	210.0	23,200							110
115										27.3	191.3	24,400	43.1	205.1	21,900							115
120										18.0	179.3	23,000	37.6	199.2	20,700	50.2	206.8	18,300				120
125													31.2	191.9	19,500	45.4	202.3	17,300				125
130													23.4	182.2	18,500	40.1	196.9	16,400				130
135													11.4	166.3	17,500	34.2	190.3	15,500	47.1	197.7	13,500	135
140																27.2	181.8	14,700	42.0	192.6	12,800	140
145																17.8	169.8	13,900	36.4	186.5	12,200	145
150																			29.8	178.8	11,500	150
155																			21.6	168.5	10,900	155
160																			7.0	148.8	10,300	160

Liftcrane Luffing Jib Capacities

777 SERIES 2

New York City Code

Luffing Jib No. 139 on Boom No. 78

142,000 Lb. Crane Counterweight

44,000 Lb. Carbody Counterweight

360 Degree Rating

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

150 Ft. Boom, 90 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
35	73.8	246.3	73,800 *b																			35
40	70.4	244.7	73,600 *b																			40
45	67.0	242.7	71,400 *																			45
50	63.5	240.4	67,700 *																			50
55	59.9	237.7	64,200 *	69.2	242.9	63,500 *b																55
60	56.1	234.6	60,900 *	65.8	240.8	60,400 *																60
65	52.2	231.0	55,400 *	62.2	238.4	55,700 *	67.8	240.8	55,200 b													65
70	48.1	226.8	50,600 *	58.6	235.5	51,000 *	64.3	238.6	50,300													70
75	43.6	221.9	46,000 *	54.8	232.3	47,000 *	60.7	236.0	46,100													75
80	38.8	216.2	41,900 *	50.8	228.5	43,500 *	57.0	233.0	42,500													80
85	33.4	209.4	38,400 *	46.5	224.1	40,400 *	53.1	229.5	39,400	62.9	234.6	35,700										85
90	27.0	200.8	35,300 *	42.0	218.9	37,700 *	49.0	225.4	36,700	59.2	231.9	33,200										90
95	18.9	189.0	32,000 *	37.0	212.9	35,300 *	44.6	220.8	34,300	55.4	228.6	31,000										95
100				31.3	205.5	33,100 *	39.9	215.3	32,100	51.5	224.9	29,000										100
105				24.5	196.0	31,200 *	34.7	208.7	30,100	47.3	220.7	27,300	57.5	226.3	24,400							105
110				15.1	182.1	29,400 *	28.6	200.6	28,400	42.8	215.7	25,600	53.6	222.9	22,900							110
115							21.0	189.7	26,800	37.9	209.8	24,200	49.5	218.9	21,600							115
120							8.4	170.7	25,300	32.3	202.6	22,900	45.2	214.3	20,400							120
125										25.7	193.6	21,600	40.5	208.9	19,300	51.4	215.6	17,000				125
130										17.0	180.9	20,500	35.3	202.5	18,300	47.2	211.3	16,100				130
135													29.4	194.6	17,300	42.7	206.3	15,300				135
140													22.1	184.3	16,400	37.8	200.4	14,500				140
145													10.8	167.3	15,600	32.2	193.2	13,700	44.3	201.9	11,900	145
150																25.6	184.2	13,000	39.5	196.4	11,300	150
155																16.8	171.3	12,400	34.2	189.7	10,700	155
160																			28.1	181.4	10,100	160
165																			20.3	170.3	9,600	165
170																			6.6	149.4	9,100	170

Liftcrane Luffing Jib Capacities

New York City Code
Luffing Jib No. 139 on Boom No. 78
142,000 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

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

777 SERIES 2

150 Ft. Boom, 100 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
35	75.4	256.7	68,000 *b																			35
40	72.4	255.2	67,400 *b																			40
45	69.4	253.5	65,700 *																			45
50	66.3	251.4	63,900 *																			50
55	63.2	249.1	62,100 *																			55
60	59.9	246.4	59,100 *	68.3	251.7	58,400 *																60
65	56.5	243.3	54,900 *	65.2	249.5	55,200 *																65
70	53.0	239.7	50,200 *	62.0	247.0	50,500 *	67.0	249.6	49,900													70
75	49.3	235.7	45,900 *	58.7	244.2	46,500 *	63.9	247.3	45,700													75
80	45.4	231.1	41,900 *	55.3	241.0	43,000 *	60.6	244.7	42,200													80
85	41.3	225.8	38,400 *	51.7	237.3	39,900 *	57.3	241.7	39,100													85
90	36.7	219.7	35,400 *	48.0	233.1	37,200 *	53.8	238.2	36,300	62.6	243.3	32,800										90
95	31.6	212.3	32,700 *	44.0	228.2	34,800 *	50.2	234.3	33,900	59.3	240.5	30,600										95
100	25.6	203.1	30,200 *	39.7	222.6	32,600 *	46.3	229.9	31,700	55.9	237.3	28,600										100
105	17.9	190.6	27,500 *	35.0	216.1	30,700 *	42.2	224.7	29,800	52.4	233.7	26,800										105
110				29.6	208.2	28,900 *	37.8	218.8	28,100	48.7	229.6	25,300	57.7	235.0	22,500							110
115				23.2	198.1	27,300 *	32.8	211.7	26,500	44.7	224.9	23,800	54.3	231.6	21,200							115
120				14.3	183.4	25,800 *	27.1	203.0	25,000	40.5	219.5	22,500	50.6	227.8	20,000							120
125							19.9	191.5	23,700	35.8	213.1	21,300	46.8	223.4	18,900							125
130							8.0	171.4	22,400	30.6	205.5	20,200	42.8	218.4	17,900	52.3	224.4	15,600				130
135										24.4	195.9	19,100	38.4	212.5	16,900	48.6	220.3	14,800				135
140										16.1	182.3	18,100	33.5	205.6	16,100	44.6	215.5	14,000				140
145													27.9	197.2	15,300	40.4	210.1	13,300				145
150													20.9	186.2	14,500	35.7	203.7	12,600	46.0	211.1	10,800	150
155													10.2	168.2	13,800	30.5	196.0	12,000	41.9	205.9	10,200	155
160																24.3	186.4	11,400	37.4	199.8	9,700	160
165																15.9	172.7	10,800	32.4	192.7	9,200	165
170																			26.6	183.9	8,700	170
175																			19.3	172.0	8,300	175
180																			6.2	149.9	7,800	180

Liftcrane Luffing Jib Capacities

777 SERIES 2

New York City Code

Luffing Jib No. 139 on Boom No. 78

142,000 Lb. Crane Counterweight

44,000 Lb. Carbody Counterweight

360 Degree Rating

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

150 Ft. Boom, 110 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib 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	265.7	62,100 *b																40
45	71.4	264.1	60,500 *																45
50	68.6	262.3	59,000 *																50
55	65.8	260.2	57,200 *																55
60	62.9	257.8	54,900 *	70.4	262.4	56,400 *													60
65	59.9	255.0	52,400 *	67.6	260.4	51,600													65
70	56.8	252.0	49,800 *	64.8	258.2	46,900													70
75	53.7	248.5	46,000 *	61.8	255.7	42,800	66.4	258.3	39,400										75
80	50.4	244.6	42,000 *	58.8	252.9	39,300	63.5	256.0	36,100										80
85	46.9	240.2	38,600 *	55.7	249.7	36,200	60.6	253.3	33,300										85
90	43.2	235.2	35,600 *	52.5	246.0	33,600	57.5	250.3	30,800										90
95	39.3	229.5	32,900 *	49.2	242.0	31,200	54.4	246.9	28,600	62.3	252.0	24,200							95
100	35.0	222.9	30,500 *	45.6	237.4	29,100	51.1	243.1	26,600	59.4	249.2	22,500							100
105	30.1	215.0	28,400 *	41.9	232.2	27,200	47.7	238.9	24,800	56.3	246.0	20,900							105
110	24.4	205.3	26,400 *	37.8	226.2	25,500	44.1	234.0	23,200	53.1	242.5	19,500							110
115	17.1	192.1	24,100 *	33.3	219.2	23,900	40.2	228.5	21,800	49.8	238.5	18,300	57.9	243.7	14,800				115
120				28.2	210.8	22,500	36.0	222.1	20,500	46.3	234.0	17,100	54.8	240.3	13,800				120
125				22.1	200.1	21,200	31.3	214.6	19,300	42.5	228.9	16,100	51.5	236.6	12,900				125
130				13.6	184.6	19,900	25.8	205.4	18,100	38.5	223.0	15,100	48.1	232.4	12,100				130
135							19.0	193.3	17,100	34.1	216.2	14,200	44.5	227.6	11,300	53.0	233.2	8,500	135
140							7.6	172.1	16,100	29.2	208.1	13,300	40.7	222.2	10,600	49.7	229.2	7,900	140
145										23.3	198.0	12,600	36.5	215.9	9,900	46.2	224.7	7,300	145
150										15.4	183.7	11,800	31.9	208.5	9,300	42.5	219.5	6,800	150
155													26.5	199.6	8,700	38.4	213.7	6,300	155
160													19.9	188.0	8,100	34.0	206.8	5,800	160
165													9.8	169.1	7,600	29.1	198.7	5,400	165
170																23.1	188.5	4,900	170
175																15.2	174.1	4,500	175

Liftcrane Luffing Jib Capacities

New York City Code
Luffing Jib No. 139 on Boom No. 78
142,000 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

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

777 SERIES 2

150 Ft. Boom, 120 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
40	75.4	276.0	49,100 *b																40
45	73.0	274.6	48,200 *																45
50	70.4	272.9	47,400 *																50
55	67.9	271.0	46,600 *																55
60	65.3	268.9	45,900 *																60
65	62.6	266.4	45,200 *	69.6	271.2	47,500 *													65
70	59.9	263.7	44,300 *	67.0	269.2	46,400													70
75	57.1	260.6	42,700 *	64.4	266.9	42,300													75
80	54.2	257.2	41,100 *	61.7	264.4	38,800	65.9	267.0	35,600										80
85	51.2	253.4	38,800 *	58.9	261.5	35,800	63.2	264.7	32,800										85
90	48.1	249.2	35,700 *	56.1	258.3	33,100	60.5	262.0	30,300										90
95	44.8	244.4	33,000 *	53.2	254.8	30,800	57.8	259.0	28,100										95
100	41.3	239.1	30,600 *	50.1	250.8	28,700	54.9	255.7	26,100	62.1	260.6	21,900							100
105	37.5	233.0	28,400 *	47.0	246.4	26,800	51.9	251.9	24,400	59.4	257.8	20,400							105
110	33.4	226.0	26,500 *	43.6	241.5	25,100	48.8	247.8	22,800	56.6	254.7	19,000							110
115	28.8	217.7	24,700 *	40.0	235.9	23,500	45.6	243.2	21,300	53.7	251.2	17,800							115
120	23.4	207.5	23,000 *	36.1	229.5	22,100	42.1	238.0	20,000	50.7	247.4	16,600							120
125	16.3	193.6	21,100 *	31.9	222.1	20,800	38.4	232.1	18,800	47.5	243.0	15,600	55.2	249.0	12,300				125
130				27.0	213.2	19,600	34.4	225.3	17,700	44.2	238.2	14,600	52.3	245.4	11,500				130
135				21.2	202.0	18,500	29.9	217.3	16,700	40.6	232.7	13,700	49.2	241.3	10,700				135
140				13.0	185.8	17,400	24.7	207.6	15,700	36.8	226.5	12,900	46.0	236.7	10,000				140
145							18.2	194.9	14,800	32.6	219.2	12,100	42.5	231.6	9,400	50.6	238.0	6,700	145
150							7.3	172.7	14,000	27.9	210.7	11,400	38.9	225.8	8,800	47.4	233.7	6,200	150
155										22.2	200.0	10,700	34.9	219.1	8,200	44.1	228.8	5,700	155
160										14.7	185.0	10,000	30.5	211.3	7,600	40.6	223.3	5,300	160
165													25.4	201.9	7,100	36.7	217.1	4,800	165
170													19.1	189.7	6,600	32.5	209.8	4,400	170
175													9.3	169.9	6,100	27.8	201.2	4,000	175

Liftcrane Luffing Jib Capacities

777 SERIES 2

New York City Code

Luffing Jib No. 139 on Boom No. 78

142,000 Lb. Crane Counterweight

44,000 Lb. Carbody Counterweight

360 Degree Rating

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

150 Ft. Boom, 130 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib 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	285.0	45,300 *																45
50	72.0	283.5	44,500 *																50
55	69.7	281.8	43,800 *																55
60	67.3	279.8	43,200 *																60
65	64.9	277.6	42,300 *																65
70	62.4	275.1	40,900 *	68.8	280.0	43,800 *													70
75	59.9	272.4	39,400 *	66.5	277.9	42,000													75
80	57.3	269.3	37,900 *	64.0	275.6	38,500	67.8	277.9	35,200										80
85	54.7	265.9	36,500 *	61.6	273.0	35,400	65.4	275.7	32,400										85
90	51.9	262.2	35,200 *	59.0	270.2	32,800	63.0	273.3	29,900										90
95	49.1	258.1	32,900 *	56.4	267.0	30,400	60.5	270.6	27,700										95
100	46.1	253.5	30,500 *	53.7	263.5	28,300	57.9	267.7	25,800										100
105	42.9	248.4	28,300 *	50.9	259.7	26,500	55.3	264.4	24,000	62.0	269.3	20,000							105
110	39.6	242.7	26,400 *	48.0	255.4	24,800	52.6	260.7	22,400	59.5	266.5	18,600							110
115	36.0	236.3	24,600 *	45.0	250.7	23,200	49.7	256.7	21,000	56.9	263.4	17,400							115
120	32.1	228.9	23,000 *	41.8	245.4	21,800	46.8	252.2	19,700	54.2	260.0	16,200							120
125	27.6	220.2	21,500 *	38.4	239.4	20,500	43.7	247.3	18,500	51.4	256.2	15,200							125
130	22.4	209.5	20,100 *	34.7	232.7	19,300	40.4	241.7	17,400	48.5	252.0	14,200	55.6	257.7	11,100				130
135	15.7	195.0	18,400 *	30.6	224.9	18,200	36.8	235.5	16,400	45.5	247.3	13,400	52.9	254.1	10,400				135
140				25.9	215.6	17,200	33.0	228.3	15,500	42.4	242.1	12,500	50.1	250.2	9,700				140
145				20.3	203.9	16,300	28.7	219.9	14,600	39.0	236.3	11,800	47.1	245.8	9,000				145
150				12.5	186.9	15,300	23.7	209.8	13,800	35.3	229.7	11,100	44.1	240.9	8,400	51.4	246.8	5,800	150
155							17.4	196.5	13,000	31.3	222.1	10,400	40.8	235.4	7,800	48.5	242.6	5,300	155
160							7.0	173.4	12,200	26.8	213.1	9,800	37.3	229.2	7,300	45.5	238.0	4,900	160
165										21.4	201.9	9,200	33.5	222.2	6,800	42.3	232.8	4,500	165
170										14.1	186.3	8,600	29.3	214.0	6,300	38.9	226.9	4,100	170
175													24.4	204.1	5,900				175
180													18.3	191.3	5,400				180

Liftcrane Luffing Jib Capacities

New York City Code
Luffing Jib No. 139 on Boom No. 78
142,000 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

777 SERIES 2

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

150 Ft. Boom, 140 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib 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	295.4	42,300 *													45
50	73.3	294.0	41,600 *													50
55	71.2	292.4	40,900 *													55
60	69.0	290.6	40,300 *													60
65	66.8	288.5	38,900 *													65
70	64.6	286.3	37,500 *	70.4	290.6	40,600 *										70
75	62.3	283.8	36,000 *	68.2	288.8	40,000 *										75
80	59.9	281.0	34,700 *	66.0	286.6	38,000										80
85	57.5	278.0	33,300 *	63.8	284.3	35,000	67.3	286.7	31,900							85
90	55.1	274.6	32,000 *	61.4	281.7	32,300	65.1	284.5	29,400							90
95	52.5	271.0	30,700 *	59.1	278.9	30,000	62.8	282.0	27,200							95
100	49.9	267.0	29,500 *	56.7	275.7	27,900	60.5	279.3	25,300							100
105	47.2	262.6	28,100 *	54.2	272.3	26,000	58.1	276.3	23,500							105
110	44.3	257.7	26,200 *	51.6	268.5	24,300	55.6	273.1	22,000	61.8	278.0	18,100				110
115	41.3	252.3	24,400 *	49.0	264.3	22,800	53.1	269.5	20,500	59.5	275.2	16,800				115
120	38.1	246.3	22,800 *	46.2	259.8	21,400	50.5	265.5	19,200	57.1	272.1	15,700				120
125	34.7	239.5	21,400 *	43.3	254.7	20,100	47.8	261.2	18,100	54.6	268.7	14,700				125
130	30.9	231.7	20,000 *	40.2	249.1	18,900	45.0	256.5	17,000	52.1	265.0	13,700				130
135	26.6	222.6	18,800 *	36.9	242.9	17,800	42.0	251.2	16,000	49.4	260.9	12,800	55.9	266.4	9,800	135
140	21.6	211.4	17,600 *	33.4	235.8	16,800	38.9	245.3	15,000	46.7	256.4	12,000	53.4	262.9	9,100	140
145	15.1	196.4	16,100 *	29.4	227.6	15,900	35.5	238.7	14,200	43.8	251.4	11,300	50.8	259.0	8,500	145
150				25.0	217.8	15,000	31.8	231.2	13,300	40.7	245.9	10,600	48.1	254.7	7,900	150
155				19.6	205.6	14,200	27.6	222.4	12,600	37.5	239.8	9,900	45.3	250.0	7,300	155
160				12.1	188.0	13,400	22.8	211.8	11,900	34.0	232.8	9,300	42.4	244.8	6,800	160
165							16.8	198.0	11,200	30.1	224.8	8,700	39.3	239.0	6,300	165
170							6.8	174.0	10,500	25.8	215.4	8,200	35.9	232.5	5,800	170
175										20.6	203.8	7,600	32.2	225.1	5,400	175
180										13.6	187.5	7,100	28.2	216.6	5,000	180
190													17.6	192.9	4,200	190

Liftcrane Luffing Jib Capacities

777 SERIES 2

New York City Code

Luffing Jib No. 139 on Boom No. 78

142,000 Lb. Crane Counterweight

44,000 Lb. Carbody Counterweight

360 Degree Rating

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

150 Ft. Boom, 150 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	74.5	304.4	38,600 *													50
55	72.5	302.9	37,800 *													55
60	70.5	301.2	37,000 *													60
65	68.4	299.4	35,800 *													65
70	66.4	297.3	34,500 *													70
75	64.3	295.0	33,200 *	69.8	299.5	36,700 *										75
80	62.1	292.4	31,900 *	67.7	297.5	35,500 *										80
85	59.9	289.7	30,600 *	65.6	295.4	34,300 *										85
90	57.7	286.7	29,300 *	63.5	293.0	32,200	66.8	295.4	29,200							90
95	55.4	283.3	28,100 *	61.4	290.4	29,800	64.7	293.2	27,100							95
100	53.1	279.7	26,900 *	59.2	287.5	27,700	62.6	290.7	25,100							100
105	50.6	275.8	25,700 *	56.9	284.4	25,900	60.4	288.0	23,400							105
110	48.1	271.5	24,600 *	54.6	281.0	24,200	58.2	285.0	21,800							110
115	45.5	266.8	23,600 *	52.2	277.3	22,600	55.9	281.8	20,400	61.7	286.6	16,700				115
120	42.7	261.7	22,600 *	49.8	273.2	21,200	53.6	278.2	19,100	59.5	283.8	15,600				120
125	39.8	256.0	21,400 *	47.2	268.8	20,000	51.2	274.4	17,900	57.3	280.7	14,500				125
130	36.8	249.7	20,000 *	44.5	263.9	18,800	48.7	270.2	16,800	55.0	277.4	13,600				130
135	33.4	242.5	18,800 *	41.7	258.6	17,700	46.1	265.6	15,800	52.6	273.7	12,700				135
140	29.8	234.4	17,700 *	38.8	252.7	16,700	43.4	260.5	14,900	50.2	269.7	11,900	56.2	275.1	9,000	140
145	25.7	224.9	16,600 *	35.6	246.1	15,800	40.5	255.0	14,000	47.6	265.4	11,100	53.9	271.6	8,300	145
150	20.9	213.3	15,600 *	32.2	238.7	14,900	37.5	248.8	13,200	45.0	260.6	10,400	51.5	267.8	7,700	150
155	14.6	197.7	14,300 *	28.4	230.1	14,100	34.2	241.9	12,500	42.2	255.4	9,800	49.0	263.7	7,200	155
160				24.1	220.0	13,300	30.7	234.0	11,800	39.3	249.6	9,200	46.4	259.1	6,600	160
165				18.9	207.3	12,600	26.7	224.9	11,100	36.2	243.1	8,600	43.7	254.1	6,100	165
170				11.6	189.0	11,900	22.1	213.8	10,500	32.8	235.8	8,100	40.9	248.6	5,700	170
175							16.2	199.4	9,900	29.1	227.5	7,500	37.9	242.5	5,200	175
180							6.5	174.6	9,300	24.9	217.7	7,100	34.6	235.7	4,800	180
190										13.2	188.7	6,100	27.2	219.0	4,100	190

Liftcrane Luffing Jib Capacities

New York City Code
Luffing Jib No. 139 on Boom No. 78
142,000 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

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

777 SERIES 2

150 Ft. Boom, 160 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib 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	314.7	34,700 *													50
55	73.6	313.4	34,100 *													55
60	71.7	311.8	33,400 *													60
65	69.8	310.1	32,700 *													65
70	67.9	308.1	31,500 *													70
75	66.0	306.0	30,200 *													75
80	64.0	303.7	28,900 *	69.2	308.3	32,300 *										80
85	62.0	301.1	27,700 *	67.2	306.3	31,200 *										85
90	59.9	298.3	26,500 *	65.3	304.1	30,000 *										90
95	57.8	295.3	25,200 *	63.3	301.7	28,800 *	66.4	304.1	26,600							95
100	55.7	292.0	24,100 *	61.3	299.0	27,300	64.4	301.8	24,600							100
105	53.5	288.5	23,000 *	59.2	296.2	25,400	62.4	299.3	22,900							105
110	51.2	284.6	21,900 *	57.1	293.1	23,700	60.4	296.6	21,300							110
115	48.9	280.5	20,800 *	54.9	289.7	22,200	58.3	293.7	19,900							115
120	46.5	275.9	19,800 *	52.7	286.0	20,800	56.2	290.4	18,600	61.6	295.3	15,000				120
125	44.0	270.9	18,800 *	50.4	282.1	19,600	54.0	287.0	17,500	59.6	292.5	14,000				125
130	41.3	265.5	17,900 *	48.1	277.8	18,400	51.8	283.2	16,400	57.5	289.4	13,100				130
135	38.5	259.5	17,100 *	45.6	273.1	17,300	49.4	279.1	15,400	55.3	286.1	12,200				135
140	35.6	252.9	16,200 *	43.1	268.0	16,300	47.0	274.6	14,400	53.1	282.5	11,400				140
145	32.4	245.5	15,400 *	40.4	262.4	15,400	44.5	269.7	13,600	50.8	278.6	10,600	56.5	283.8	7,800	145
150	28.8	237.0	14,700 *	37.5	256.2	14,500	41.9	264.4	12,800	48.5	274.3	10,000	54.3	280.4	7,200	150
155	24.9	227.2	14,000 *	34.5	249.3	13,700	39.2	258.6	12,000	46.0	269.7	9,300	52.0	276.6	6,600	155
160	20.2	215.1	13,400 *	31.2	241.5	12,900	36.3	252.1	11,300	43.5	264.7	8,700	49.7	272.5	6,100	160
165	14.1	198.9	12,400 *	27.5	232.6	12,200	33.1	244.9	10,700	40.8	259.1	8,100	47.3	268.1	5,600	165
170				23.3	222.1	11,600	29.7	236.7	10,100	38.0	253.1	7,600	44.9	263.3	5,200	170
175				18.3	209.0	10,900	25.8	227.2	9,500	35.0	246.3	7,100	42.3	258.1	4,700	175
180				11.3	190.0	10,300	21.3	215.7	8,900	31.7	238.7	6,600	39.5	252.3	4,300	180
190							6.3	175.1	7,900	24.1	219.8	5,700				190
200										12.7	189.8	4,900				200

Liftcrane Luffing Jib Capacities

777 SERIES 2

New York City Code

Luffing Jib No. 139 on Boom No. 78

142,000 Lb. Crane Counterweight

44,000 Lb. Carbody Counterweight

360 Degree Rating

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

150 Ft. Boom, 170 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
55	74.6	323.8	29,600 *													55
60	72.8	322.3	28,400 *													60
65	71.1	320.7	27,200 *													65
70	69.3	318.9	26,000 *													70
75	67.5	316.9	24,900 *													75
80	65.6	314.7	23,700 *	70.4	318.9	26,800 *										80
85	63.8	312.3	22,700 *	68.6	317.1	25,800 *										85
90	61.9	309.8	21,600 *	66.8	315.0	24,700 *										90
95	59.9	307.0	20,500 *	65.0	312.8	23,600 *										95
100	58.0	304.0	19,500 *	63.1	310.3	22,500 *	66.0	312.9	24,100 *							100
105	56.0	300.7	18,600 *	61.2	307.7	21,500 *	64.2	310.5	22,600							105
110	53.9	297.2	17,600 *	59.3	304.8	20,500 *	62.3	308.0	21,100							110
115	51.8	293.4	16,800 *	57.3	301.7	19,500 *	60.4	305.3	19,700							115
120	49.6	289.3	15,900 *	55.2	298.4	18,500 *	58.4	302.3	18,400							120
125	47.4	284.9	15,100 *	53.2	294.8	17,600 *	56.4	299.1	17,200	61.5	304.0	13,700				125
130	45.0	280.1	14,300 *	51.0	290.9	16,700 *	54.4	295.7	16,100	59.6	301.1	12,800				130
135	42.6	274.9	13,500 *	48.8	286.7	15,900 *	52.3	292.0	15,100	57.6	298.1	11,900				135
140	40.0	269.2	12,800 *	46.6	282.2	15,000 *	50.1	287.9	14,200	55.6	294.8	11,100				140
145	37.3	263.0	12,100 *	44.2	277.2	14,200 *	47.9	283.6	13,300	53.5	291.2	10,300				145
150	34.5	256.1	11,500 *	41.7	271.8	13,500 *	45.6	278.9	12,500	51.4	287.4	9,700	56.7	292.5	6,800	150
155	31.4	248.3	10,700 *	39.1	266.0	12,800 *	43.1	273.8	11,800	49.2	283.2	9,000	54.6	289.1	6,300	155
160	28.0	239.6	9,900 *	36.4	259.5	12,100 *	40.6	268.2	11,100	46.9	278.8	8,400	52.5	285.4	5,800	160
165	24.1	229.3	9,200 *	33.4	252.3	11,400 *	38.0	262.1	10,400	44.6	273.9	7,800	50.4	281.4	5,300	165
170	19.6	216.9	8,500 *	30.2	244.3	10,600 *	35.1	255.3	9,800	42.1	268.6	7,300	48.2	277.1	4,900	170
175	13.7	200.1	7,900 *	26.7	235.0	9,800 *	32.1	247.8	9,200	39.6	262.8	6,800	45.9	272.4	4,400	175
180				22.6	224.1	9,100 *	28.8	239.3	8,700	36.8	256.5	6,300	43.5	267.4	4,000	180
190				10.9	191.0	7,700 *	20.7	217.6	7,700	30.8	241.5	5,500				190
200							6.1	175.7	6,700	23.4	221.9	4,700				200

Liftcrane Luffing Jib Capacities

New York City Code
Luffing Jib No. 139 on Boom No. 78
142,000 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

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

777 SERIES 2

160 Ft. Boom, 70 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
35	69.2	235.3	83,200 *b																			35
40	64.8	233.2	78,300 *b																			40
45	60.2	230.6	73,700 *b																			45
50	55.3	227.4	69,600 *	68.5	233.8	68,300 *b																50
55	50.2	223.6	65,600 *	64.0	231.6	64,600 *b																55
60	44.6	219.0	60,800 *	59.3	228.9	60,700 *b	67.1	231.8	58,900 *b													60
65	38.5	213.4	55,300 *	54.5	225.6	55,300 *	62.5	229.5	54,900 *b													65
70	31.3	206.2	50,600 *	49.3	221.7	50,700 *	57.8	226.6	50,300 *													70
75	22.2	196.3	45,200 *	43.6	216.9	46,800 *	52.8	223.1	46,200													75
80	4.2	175.0	32,600 *	37.3	211.1	43,300 *	47.5	219.0	42,600	61.4	225.7	38,500 b										80
85				29.9	203.5	40,300 *	41.7	213.9	39,500	56.7	222.7	35,700										85
90				20.2	192.8	37,700 *	35.1	207.6	36,800	51.6	219.1	33,200										90
95							27.1	199.3	34,400	46.2	214.7	31,000										95
100							16.0	186.6	32,200	40.2	209.4	29,100	55.2	217.3	25,900							100
105										33.3	202.7	27,300	50.0	213.5	24,300							105
110										24.9	193.7	25,700	44.4	208.9	22,900							110
115										12.0	178.7	24,200	38.2	203.2	21,600							115
120													31.0	195.9	20,400	47.9	206.3	17,900				120
125													21.8	185.9	19,300	42.1	201.3	16,900				125
130													0.9	161.0	18,100	35.6	195.1	16,000				130
135																27.8	187.0	15,200	45.1	197.3	13,100	135
140																17.0	174.8	14,400	39.0	191.8	12,400	140
145																			31.9	184.7	11,700	145
150																			23.1	175.1	11,100	150
155																			7.5	156.8	10,500	155

Liftcrane Luffing Jib Capacities

777 SERIES 2

New York City Code

Luffing Jib No. 139 on Boom No. 78

142,000 Lb. Crane Counterweight

44,000 Lb. Carbody Counterweight

360 Degree Rating

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

160 Ft. Boom, 80 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
35	71.9	245.9	77,700 *b																			35
40	68.1	244.1	75,400 *b																			40
45	64.2	241.9	71,300 *b																			45
50	60.2	239.3	67,500 *																			50
55	55.9	236.1	64,000 *	67.4	242.5	62,600 *b																55
60	51.5	232.5	60,300 *	63.5	240.3	59,400 *																60
65	46.8	228.1	54,800 *	59.4	237.5	54,700 *	66.2	240.5	54,200 *b													65
70	41.6	223.0	50,200 *	55.2	234.3	50,100 *	62.2	238.1	49,700 *													70
75	35.9	216.8	46,100 *	50.7	230.5	46,200 *	58.1	235.3	45,800 *													75
80	29.2	208.9	42,000 *	45.9	226.1	42,800 *	53.8	231.9	42,300													80
85	20.7	198.2	37,900 *	40.7	220.8	39,800 *	49.2	227.9	39,200	61.3	234.3	35,200										85
90	3.9	175.3	28,500 *	34.8	214.3	37,100 *	44.3	223.2	36,500	57.1	231.4	32,800										90
95				27.9	206.1	34,700 *	38.9	217.5	34,000	52.7	227.8	30,600										95
100				18.9	194.6	32,600 *	32.7	210.6	31,900	48.1	223.7	28,600										100
105							25.4	201.6	29,900	43.0	218.8	26,900	55.8	226.0	23,900							105
110							15.0	188.0	28,200	37.5	212.9	25,300	51.3	222.3	22,400							110
115										31.1	205.6	23,900	46.6	218.0	21,100							115
120										23.3	195.8	22,500	41.4	212.8	20,000							120
125										11.2	179.7	21,300	35.7	206.5	18,900	49.5	215.2	16,500				125
130													29.0	198.6	17,900	44.6	210.5	15,600				130
135													20.4	187.7	16,900	39.3	205.0	14,700				135
140													0.9	161.1	16,000	33.2	198.2	14,000	47.1	206.4	11,900	140
145																25.9	189.4	13,200	42.0	201.3	11,300	145
150																15.9	176.3	12,600	36.4	195.2	10,700	150
155																			29.8	187.5	10,100	155
160																			21.6	177.1	9,600	160
165																			7.0	157.4	9,100	165

Liftcrane Luffing Jib Capacities

New York City Code
Luffing Jib No. 139 on Boom No. 78
142,000 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

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

777 SERIES 2

160 Ft. Boom, 90 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
35	74.0	256.4	71,300 *b																			35
40	70.7	254.8	71,100 *b																			40
45	67.2	252.9	68,800 *b																			45
50	63.7	250.6	65,500 *																			50
55	60.1	247.9	62,200 *	70.1	253.3	60,700 *b																55
60	56.4	244.8	59,200 *	66.6	251.3	57,900 *																60
65	52.5	241.2	54,500 *	63.1	248.9	54,400 *																65
70	48.4	237.1	49,800 *	59.5	246.2	49,800 *	65.5	249.3	49,300 *													70
75	43.9	232.3	45,900 *	55.7	243.0	45,800 *	62.0	246.8	45,400 *													75
80	39.1	226.7	42,200 *	51.8	239.4	42,400 *	58.3	243.9	42,000													80
85	33.8	219.9	38,700 *	47.6	235.1	39,400 *	54.5	240.6	38,900													85
90	27.5	211.5	35,600 *	43.1	230.2	36,800 *	50.5	236.8	36,200	61.1	243.0	32,500										90
95	19.5	200.0	32,300 *	38.2	224.4	34,400 *	46.2	232.3	33,800	57.4	240.0	30,300										95
100	3.7	175.7	25,200 *	32.8	217.3	32,300 *	41.6	227.1	31,700	53.5	236.6	28,400										100
105				26.3	208.5	30,400 *	36.6	221.0	29,800	49.5	232.6	26,600										105
110				17.8	196.2	28,600 *	30.8	213.5	28,000	45.1	228.0	25,100	56.3	234.7	22,100							110
115							23.9	203.8	26,400	40.5	222.6	23,600	52.3	231.1	20,900							115
120							14.1	189.3	25,000	35.3	216.2	22,300	48.2	226.9	19,700							120
125										29.3	208.3	21,100	43.8	222.1	18,600							125
130										21.9	197.8	20,000	39.0	216.4	17,600	50.8	224.1	15,300				130
135										10.6	180.7	18,900	33.6	209.6	16,700	46.5	219.6	14,500				135
140													27.3	201.1	15,900	42.0	214.5	13,700				140
145													19.2	189.5	15,000	36.9	208.4	13,000				145
150													0.8	161.1	14,200	31.3	201.0	12,300	44.3	210.6	10,400	150
155																24.4	191.6	11,700	39.5	205.0	9,900	155
160																15.0	177.6	11,100	34.2	198.4	9,400	160
165																			28.1	190.1	8,900	165
170																			20.3	179.0	8,400	170
175																			6.6	158.0	7,900	175

Liftcrane Luffing Jib Capacities

777 SERIES 2

New York City Code

Luffing Jib No. 139 on Boom No. 78

142,000 Lb. Crane Counterweight

44,000 Lb. Carbody Counterweight

360 Degree Rating

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

160 Ft. Boom, 100 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
35	75.6	266.7	65,800 *b																35
40	72.7	265.3	65,500 *b																40
45	69.6	263.6	63,800 *																45
50	66.5	261.6	61,200 *																50
55	63.4	259.3	58,600 *																55
60	60.1	256.6	55,800 *	69.1	262.1	55,800 *													60
65	56.8	253.5	52,900 *	66.0	260.0	51,200													65
70	53.3	250.0	49,400 *	62.8	257.6	46,400													70
75	49.6	246.0	45,400 *	59.5	254.9	42,400	65.0	258.0	38,700										75
80	45.7	241.5	42,000 *	56.2	251.7	38,900	61.8	255.5	35,500										80
85	41.6	236.2	38,700 *	52.6	248.1	35,900	58.5	252.6	32,700										85
90	37.0	230.1	35,600 *	48.9	244.1	33,200	55.0	249.3	30,200										90
95	32.0	222.8	32,900 *	45.0	239.4	30,900	51.5	245.6	28,100	61.0	251.7	23,400							95
100	26.1	213.8	30,400 *	40.8	234.0	28,800	47.7	241.3	26,100	57.7	248.7	21,700							100
105	18.5	201.7	27,700 *	36.2	227.7	26,900	43.7	236.4	24,400	54.2	245.3	20,200							105
110	3.5	176.0	21,900 *	31.0	220.2	25,200	39.4	230.8	22,800	50.6	241.5	18,800							110
115				24.9	210.8	23,600	34.6	224.2	21,400	46.8	237.1	17,600	56.6	243.4	13,900				115
120				16.9	197.7	22,200	29.2	216.1	20,100	42.7	232.0	16,500	53.1	239.9	13,000				120
125							22.6	205.9	18,800	38.3	226.2	15,400	49.5	235.9	12,100				125
130							13.4	190.5	17,700	33.4	219.3	14,500	45.6	231.3	11,300				130
135										27.8	210.8	13,600	41.4	226.0	10,500	51.7	232.9	7,500	135
140										20.8	199.7	12,800	36.9	219.9	9,800	48.0	228.6	6,900	140
145										10.0	181.6	11,900	31.8	212.5	9,200	44.0	223.8	6,400	145
150													25.9	203.5	8,600	39.7	218.2	5,900	150
155													18.2	191.1	8,000	35.0	211.7	5,400	155
160													0.8	161.2	7,300	29.6	203.8	5,000	160
165																23.2	193.7	4,600	165
170																14.2	178.9	4,100	170

Liftcrane Luffing Jib Capacities

New York City Code
Luffing Jib No. 139 on Boom No. 78
142,000 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

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

777 SERIES 2

160 Ft. Boom, 110 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
40	74.3	275.7	51,200 *b																40
45	71.6	274.2	50,200 *																45
50	68.8	272.4	49,400 *																50
55	66.0	270.3	48,500 *																55
60	63.1	267.9	47,700 *																60
65	60.1	265.2	46,900 *	68.3	270.9	49,900 *													65
70	57.1	262.2	45,800 *	65.5	268.7	46,300													70
75	53.9	258.7	43,500 *	62.6	266.3	42,300	67.4	268.9	38,600										75
80	50.6	254.9	41,200 *	59.6	263.5	38,800	64.5	266.7	35,400										80
85	47.1	250.5	39,000 *	56.5	260.4	35,800	61.6	264.1	32,600										85
90	43.5	245.6	36,100 *	53.3	256.9	33,100	58.6	261.3	30,100										90
95	39.6	239.9	33,400 *	50.0	252.9	30,800	55.5	258.0	28,000										95
100	35.3	233.4	30,900 *	46.5	248.5	28,700	52.3	254.4	26,000	60.9	260.3	21,600							100
105	30.5	225.6	28,700 *	42.8	243.4	26,800	48.9	250.3	24,300	57.9	257.4	20,100							105
110	24.9	216.1	26,700 *	38.8	237.6	25,100	45.4	245.6	22,700	54.8	254.0	18,700							110
115	17.7	203.2	24,400 *	34.5	230.9	23,600	41.6	240.3	21,300	51.5	250.3	17,500							115
120	3.4	176.3	19,400 *	29.5	222.9	22,200	37.5	234.3	20,000	48.1	246.1	16,400	56.9	252.1	12,800				120
125				23.7	212.9	20,900	33.0	227.2	18,800	44.5	241.3	15,400	53.8	248.6	12,000				125
130				16.1	199.1	19,700	27.8	218.7	17,700	40.6	235.8	14,400	50.5	244.7	11,200				130
135							21.6	207.8	16,700	36.5	229.6	13,500	47.0	240.3	10,400				135
140							12.7	191.6	15,700	31.8	222.2	12,700	43.3	235.4	9,700	52.5	241.6	6,800	140
145										26.5	213.2	12,000	39.4	229.7	9,100	49.2	237.6	6,300	145
150										19.8	201.5	11,200	35.1	223.1	8,500	45.6	233.0	5,800	150
155										9.5	182.4	10,500	30.3	215.3	7,900	41.9	227.7	5,300	155
160													24.6	205.7	7,400	37.8	221.7	4,900	160
165													17.4	192.7	6,900	33.3	214.7	4,500	165
170													0.7	161.3	6,300	28.2	206.3	4,100	170

Liftcrane Luffing Jib Capacities

777 SERIES 2

New York City Code

Luffing Jib No. 139 on Boom No. 78

142,000 Lb. Crane Counterweight

44,000 Lb. Carbody Counterweight

360 Degree Rating

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

160 Ft. Boom, 120 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib 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	286.1	48,100 *b													40
45	73.1	284.7	47,300 *													45
50	70.6	283.1	46,600 *													50
55	68.1	281.2	45,800 *													55
60	65.5	279.0	45,100 *													60
65	62.8	276.6	44,400 *	70.2	281.6	46,700 *										65
70	60.1	273.9	42,800 *	67.6	279.6	45,800										70
75	57.3	270.9	40,900 *	65.0	277.4	41,800										75
80	54.4	267.5	39,000 *	62.3	275.0	38,300	66.8	277.6	34,800							80
85	51.4	263.7	37,100 *	59.6	272.2	35,300	64.2	275.4	32,100							85
90	48.3	259.5	35,200 *	56.8	269.1	32,700	61.5	272.8	29,600							90
95	45.0	254.8	33,200 *	53.9	265.6	30,400	58.7	269.9	27,500							95
100	41.5	249.4	30,800 *	50.9	261.8	28,300	55.9	266.7	25,500							100
105	37.8	243.4	28,600 *	47.7	257.5	26,400	53.0	263.1	23,800	60.8	269.0	19,500				105
110	33.7	236.5	26,600 *	44.4	252.7	24,700	49.9	259.1	22,300	58.1	266.0	18,200				110
115	29.1	228.3	24,800 *	40.9	247.2	23,200	46.7	254.7	20,800	55.2	262.7	17,000				115
120	23.8	218.2	23,200 *	37.1	241.1	21,800	43.3	249.7	19,600	52.2	259.1	15,900				120
125	16.9	204.8	21,200 *	33.0	233.9	20,500	39.7	244.0	18,400	49.2	255.0	14,800	57.2	260.7	11,400	125
130	3.2	176.6	16,900 *	28.3	225.5	19,300	35.8	237.6	17,300	45.9	250.4	13,900	54.3	257.3	10,600	130
135				22.7	215.0	18,200	31.5	230.1	16,300	42.5	245.3	13,000	51.3	253.5	9,900	135
140				15.4	200.5	17,200	26.6	221.1	15,300	38.8	239.4	12,200	48.2	249.3	9,200	140
145							20.6	209.7	14,500	34.9	232.8	11,500	44.9	244.6	8,600	145
150							12.2	192.7	13,600	30.4	225.0	10,800	41.4	239.2	8,000	150
155										25.3	215.5	10,100	37.7	233.2	7,400	155
160										19.0	203.2	9,500	33.6	226.2	6,900	160
165										9.1	183.3	8,900	29.0	218.0	6,400	165
170													23.6	207.8	6,000	170
175													16.6	194.2	5,500	175
180													0.7	161.3	5,000	180

Liftcrane Luffing Jib Capacities

New York City Code
Luffing Jib No. 139 on Boom No. 78
142,000 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

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

777 SERIES 2

160 Ft. Boom, 130 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	74.5	295.1	44,400 *													45
50	72.2	293.6	43,700 *													50
55	69.8	291.9	43,000 *													55
60	67.5	289.9	42,400 *													60
65	65.1	287.7	41,200 *													65
70	62.6	285.3	39,700 *	69.4	290.4	43,100 *										70
75	60.1	282.6	38,200 *	67.0	288.4	41,400										75
80	57.5	279.5	36,600 *	64.6	286.1	38,000										80
85	54.9	276.2	35,000 *	62.2	283.6	35,000	66.3	286.4	31,700							85
90	52.1	272.5	33,500 *	59.6	280.8	32,300	63.9	284.0	29,200							90
95	49.3	268.4	31,900 *	57.1	277.8	30,000	61.4	281.5	27,100							95
100	46.3	263.9	30,400 *	54.4	274.4	27,900	58.8	278.6	25,200							100
105	43.2	258.8	28,500 *	51.6	270.6	26,100	56.2	275.4	23,500							105
110	39.8	253.2	26,500 *	48.8	266.4	24,400	53.5	271.9	21,900	60.8	277.6	17,800				110
115	36.3	246.8	24,800 *	45.8	261.8	22,900	50.7	268.0	20,500	58.2	274.7	16,600				115
120	32.4	239.4	23,200 *	42.6	256.7	21,500	47.8	263.7	19,200	55.6	271.4	15,500				120
125	28.0	230.8	21,700 *	39.2	250.9	20,200	44.8	258.9	18,000	52.9	267.8	14,500				125
130	22.8	220.3	20,300 *	35.6	244.4	19,000	41.5	253.6	17,000	50.0	263.9	13,500	57.4	269.4	10,200	130
135	16.2	206.2	18,600 *	31.6	236.8	18,000	38.1	247.6	16,000	47.1	259.4	12,700	54.8	266.0	9,500	135
140	3.1	176.9	14,800 *	27.1	227.9	16,900	34.4	240.8	15,000	44.0	254.5	11,900	52.0	262.3	8,800	140
145				21.8	217.0	16,000	30.3	232.9	14,200	40.8	249.1	11,200	49.2	258.2	8,200	145
150				14.8	201.8	15,100	25.5	223.4	13,400	37.3	242.9	10,500	46.2	253.7	7,600	150
155							19.8	211.5	12,600	33.4	235.8	9,800	43.1	248.6	7,100	155
160							11.7	193.8	11,900	29.2	227.6	9,200	39.7	242.9	6,600	160
165										24.3	217.7	8,600	36.1	236.5	6,100	165
170										18.2	204.9	8,100	32.2	229.1	5,600	170
175										8.8	184.0	7,500	27.8	220.5	5,200	175
180													22.6	209.9	4,800	180

Liftcrane Luffing Jib Capacities

777 SERIES 2

New York City Code

Luffing Jib No. 139 on Boom No. 78

142,000 Lb. Crane Counterweight

44,000 Lb. Carbody Counterweight

360 Degree Rating

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

160 Ft. Boom, 140 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib 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	305.5	41,500 *													45
50	73.5	304.1	40,800 *													50
55	71.3	302.5	39,900 *													55
60	69.2	300.7	38,900 *													60
65	67.0	298.7	37,800 *													65
70	64.7	296.4	36,600 *	71.0	301.0	39,900 *										70
75	62.4	294.0	35,400 *	68.8	299.2	39,500 *										75
80	60.1	291.2	34,100 *	66.6	297.1	37,500										80
85	57.7	288.2	32,800 *	64.3	294.8	34,500										85
90	55.2	284.9	31,500 *	62.0	292.3	31,900	65.8	295.1	28,700							90
95	52.7	281.2	30,200 *	59.7	289.5	29,600	63.6	292.7	26,600							95
100	50.1	277.3	28,900 *	57.3	286.4	27,500	61.3	290.1	24,700							100
105	47.4	272.9	27,700 *	54.8	283.1	25,600	58.9	287.2	23,000							105
110	44.5	268.0	26,300 *	52.3	279.4	24,000	56.5	284.1	21,400	63.0	289.0	17,200				110
115	41.5	262.7	24,600 *	49.6	275.3	22,400	54.0	280.6	20,000	60.7	286.3	16,000				115
120	38.3	256.7	23,000 *	46.9	270.9	21,100	51.4	276.8	18,800	58.3	283.4	14,900				120
125	34.9	250.0	21,500 *	44.0	265.9	19,800	48.8	272.6	17,600	55.9	280.1	13,900				125
130	31.2	242.3	20,100 *	41.0	260.5	18,600	46.0	268.0	16,500	53.4	276.6	13,000				130
135	26.9	233.3	18,900 *	37.8	254.4	17,500	43.1	262.9	15,500	50.8	272.7	12,200	57.6	278.1	8,900	135
140	22.0	222.3	17,700 *	34.3	247.5	16,500	40.0	257.3	14,600	48.1	268.4	11,400	55.2	274.7	8,200	140
145	15.6	207.6	16,200 *	30.4	239.6	15,600	36.7	251.0	13,800	45.3	263.7	10,700	52.6	271.1	7,600	145
150	3.0	177.1	12,900 *	26.1	230.3	14,800	33.1	243.8	13,000	42.3	258.5	10,000	50.0	267.1	7,000	150
155				21.0	218.9	13,900	29.1	235.5	12,200	39.2	252.7	9,300	47.3	262.7	6,500	155
160				14.2	203.1	13,200	24.6	225.6	11,500	35.8	246.2	8,700	44.4	257.8	6,000	160
165							19.1	213.2	10,800	32.2	238.8	8,200	41.4	252.5	5,500	165
170							11.3	194.8	10,200	28.1	230.2	7,600	38.2	246.5	5,100	170
175										23.4	219.8	7,100	34.8	239.7	4,700	175
180										17.6	206.4	6,700	31.0	232.0	4,300	180

Liftcrane Luffing Jib Capacities

New York City Code
Luffing Jib No. 139 on Boom No. 78
142,000 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

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

777 SERIES 2

160 Ft. Boom, 150 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib 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	314.5	37,000 *													50
55	72.6	313.0	36,300 *													55
60	70.6	311.3	35,500 *													60
65	68.6	309.5	34,600 *													65
70	66.5	307.4	33,700 *													70
75	64.4	305.1	32,700 *	70.2	309.8	36,400 *										75
80	62.3	302.6	31,700 *	68.2	307.9	35,500 *										80
85	60.1	299.9	30,600 *	66.1	305.8	34,400 *										85
90	57.9	296.9	29,300 *	64.0	303.5	31,700	67.5	306.0	28,600							90
95	55.6	293.6	28,100 *	61.9	301.0	29,400	65.5	303.8	26,400							95
100	53.2	290.0	26,900 *	59.7	298.2	27,300	63.3	301.4	24,500							100
105	50.8	286.1	25,800 *	57.5	295.1	25,500	61.2	298.8	22,800							105
110	48.3	281.8	24,700 *	55.2	291.8	23,800	59.0	295.9	21,300							110
115	45.7	277.2	23,700 *	52.8	288.1	22,300	56.7	292.8	19,900	62.8	297.7	15,900				115
120	42.9	272.0	22,700 *	50.4	284.2	20,900	54.4	289.3	18,600	60.7	295.0	14,800				120
125	40.1	266.4	21,500 *	47.8	279.8	19,700	52.0	285.6	17,400	58.5	292.0	13,800				125
130	37.0	260.1	20,200 *	45.2	275.1	18,500	49.6	281.5	16,400	56.2	288.8	12,900				130
135	33.7	253.1	18,900 *	42.4	269.9	17,400	47.0	277.1	15,400	53.9	285.3	12,000				135
140	30.1	245.0	17,800 *	39.5	264.1	16,400	44.3	272.2	14,500	51.5	281.5	11,200	57.8	286.7	8,100	140
145	26.0	235.6	16,700 *	36.4	257.7	15,500	41.5	266.8	13,600	49.0	277.3	10,500	55.5	283.5	7,500	145
150	21.2	224.2	15,700 *	33.1	250.5	14,600	38.6	260.9	12,800	46.4	272.8	9,800	53.1	279.9	6,900	150
155	15.1	209.0	14,400 *	29.4	242.3	13,800	35.4	254.2	12,100	43.7	267.8	9,200	50.7	275.9	6,400	155
160	2.9	177.4	11,400 *	25.2	232.6	13,100	31.9	246.7	11,400	40.8	262.3	8,600	48.2	271.7	5,900	160
165				20.3	220.7	12,400	28.1	238.1	10,800	37.8	256.2	8,100	45.6	267.0	5,400	165
170				13.8	204.3	11,700	23.8	227.8	10,100	34.6	249.4	7,500	42.8	261.8	5,000	170
175							18.4	214.8	9,500	31.1	241.6	7,000	39.9	256.2	4,600	175
180							10.9	195.7	9,000	27.1	232.6	6,600	36.9	249.9	4,200	180
190										17.0	207.9	5,700				190

Liftcrane Luffing Jib Capacities

777 SERIES 2

New York City Code

Luffing Jib No. 139 on Boom No. 78

142,000 Lb. Crane Counterweight

44,000 Lb. Carbody Counterweight

360 Degree Rating

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

160 Ft. Boom, 160 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib 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	324.8	33,400 *													50
55	73.7	323.5	32,800 *													55
60	71.9	321.9	32,100 *													60
65	70.0	320.2	31,400 *													65
70	68.0	318.3	30,700 *													70
75	66.1	316.1	29,900 *													75
80	64.1	313.8	28,900 *	69.6	318.7	31,700 *										80
85	62.1	311.3	27,700 *	67.7	316.7	31,200 *										85
90	60.1	308.5	26,500 *	65.8	314.6	30,100 *										90
95	58.0	305.5	25,300 *	63.8	312.2	29,000 *	67.1	314.7	25,900							95
100	55.9	302.3	24,200 *	61.8	309.6	26,900	65.1	312.5	24,000							100
105	53.7	298.7	23,000 *	59.7	306.8	25,100	63.1	310.1	22,300							105
110	51.4	294.9	22,000 *	57.6	303.8	23,400	61.1	307.4	20,800							110
115	49.1	290.8	20,900 *	55.5	300.5	21,900	59.0	304.6	19,400							115
120	46.7	286.2	19,900 *	53.3	296.9	20,500	56.9	301.4	18,100	62.7	306.3	14,300				120
125	44.1	281.3	19,000 *	51.0	293.0	19,200	54.8	298.1	17,000	60.6	303.6	13,300				125
130	41.5	275.9	18,000 *	48.7	288.8	18,100	52.5	294.4	15,900	58.6	300.7	12,300				130
135	38.7	270.0	17,200 *	46.2	284.2	17,000	50.3	290.4	14,900	56.4	297.5	11,500				135
140	35.8	263.4	16,400 *	43.7	279.2	16,000	47.9	286.0	14,000	54.3	294.1	10,700				140
145	32.6	256.0	15,600 *	41.0	273.7	15,100	45.4	281.3	13,200	52.0	290.3	10,000	57.9	295.4	6,900	145
150	29.1	247.7	14,800 *	38.2	267.7	14,200	42.9	276.2	12,400	49.7	286.2	9,300	55.8	292.1	6,300	150
155	25.2	237.9	14,100 *	35.2	261.0	13,500	40.2	270.5	11,700	47.3	281.8	8,700	53.6	288.6	5,800	155
160	20.6	226.0	13,500 *	32.0	253.4	12,700	37.3	264.3	11,000	44.8	277.0	8,100	51.3	284.8	5,300	160
165	14.6	210.3	12,500 *	28.4	244.9	12,000	34.2	257.3	10,300	42.2	271.7	7,600	49.0	280.6	4,900	165
170	2.8	177.6	9,800 *	24.4	234.8	11,300	30.9	249.5	9,700	39.5	265.9	7,100	46.6	276.0	4,400	170
175				19.6	222.4	10,700	27.2	240.5	9,200	36.6	259.6	6,600	44.1	271.1	4,000	175
180				13.3	205.5	10,100	23.0	229.8	8,600	33.5	252.4	6,100				180
190							10.6	196.7	7,600	26.3	235.0	5,300				190
200										16.4	209.4	4,500				200

Liftcrane Luffing Jib Capacities

New York City Code
Luffing Jib No. 139 on Boom No. 78
142,000 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

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

777 SERIES 2

160 Ft. Boom, 170 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
55	74.7	333.8	29,400 *										55
60	73.0	332.4	28,300 *										60
65	71.2	330.8	27,100 *										65
70	69.4	329.0	26,000 *										70
75	67.6	327.0	24,900 *										75
80	65.8	324.9	23,800 *										80
85	63.9	322.5	22,700 *	69.1	327.5	25,900 *							85
90	62.0	320.0	21,600 *	67.3	325.5	24,900 *							90
95	60.1	317.2	20,600 *	65.4	323.3	23,800 *							95
100	58.1	314.2	19,600 *	63.6	320.9	22,800 *	66.7	323.5	23,700				100
105	56.1	311.0	18,700 *	61.7	318.3	21,800 *	64.8	321.2	22,000				105
110	54.0	307.5	17,700 *	59.7	315.5	20,800 *	63.0	318.8	20,500				110
115	51.9	303.7	16,900 *	57.8	312.4	19,800 *	61.0	316.1	19,100				115
120	49.8	299.6	16,000 *	55.7	309.2	18,800 *	59.1	313.2	17,900				120
125	47.5	295.2	15,200 *	53.7	305.6	17,900 *	57.1	310.1	16,700	62.5	315.0	12,900	125
130	45.2	290.5	14,400 *	51.6	301.8	17,000 *	55.1	306.8	15,600	60.6	312.3	12,000	130
135	42.8	285.3	13,600 *	49.4	297.7	16,100 *	53.0	303.1	14,700	58.6	309.4	11,200	135
140	40.2	279.6	12,900 *	47.1	293.2	15,300 *	50.9	299.2	13,700	56.6	306.2	10,400	140
145	37.5	273.4	12,200 *	44.8	288.4	14,500 *	48.7	295.0	12,900	54.6	302.8	9,700	145
150	34.7	266.6	11,600 *	42.3	283.1	13,800 *	46.4	290.4	12,100	52.5	299.1	9,000	150
155	31.6	258.9	10,800 *	39.8	277.4	13,000 *	44.0	285.4	11,400	50.3	295.1	8,400	155
160	28.2	250.2	10,100 *	37.0	271.1	12,300 *	41.5	280.0	10,700	48.1	290.8	7,800	160
165	24.4	240.1	9,300 *	34.1	264.1	11,700 *	38.9	274.1	10,100	45.8	286.1	7,300	165
170	19.9	227.8	8,600 *	31.0	256.3	10,900 *	36.1	267.6	9,500	43.4	281.0	6,800	170
175	14.2	211.5	7,900 *	27.6	247.3	10,100 *	33.2	260.4	8,900	40.9	275.5	6,300	175
180	2.7	177.9	7,400 *	23.7	236.9	9,300 *	30.0	252.2	8,400	38.3	269.5	5,800	180
190				12.9	206.7	7,900 *	22.3	231.8	7,400	32.4	255.4	5,000	190
200							10.2	197.6	6,400	25.5	237.3	4,200	200

Liftcrane Luffing Jib Capacities

777 SERIES 2

New York City Code

Luffing Jib No. 139 on Boom No. 78

142,000 Lb. Crane Counterweight

44,000 Lb. Carbody Counterweight

360 Degree Rating

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

170 Ft. Boom, 70 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Oper. Rad. Feet
35	69.5	245.4	80,200 *b																			35
40	65.1	243.4	75,700 *b																			40
45	60.5	240.8	71,400 *b																			45
50	55.7	237.7	67,400 *																			50
55	50.6	233.9	63,700 *	65.1	242.1	61,400 *b																55
60	45.0	229.4	60,000 *	60.5	239.5	58,200 *b																60
65	38.9	223.8	54,600 *	55.7	236.4	54,100 *	64.1	240.2	52,500 *b													65
70	31.8	216.8	50,100 *	50.6	232.6	49,600 *	59.5	237.5	49,000 *b													70
75	22.9	207.1	45,800 *	45.0	228.1	45,700 *	54.6	234.3	45,100 *													75
80	7.1	188.5	34,600 *	38.9	222.5	42,400 *	49.4	230.3	41,800 *													80
85				31.8	215.5	39,400 *	43.8	225.6	38,900 *	59.2	234.0	34,900 b										85
90				22.9	205.8	36,800 *	37.5	219.8	36,300	54.3	230.7	32,400										90
95				7.0	187.1	34,500 *	30.1	212.3	33,900	49.0	226.7	30,300										95
100							20.5	201.7	31,700	43.4	221.9	28,400										100
105										37.0	216.0	26,600	53.6	225.6	23,400							105
110										29.6	208.4	25,100	48.3	221.5	22,100							110
115										19.7	197.5	23,600	42.5	216.6	20,800							115
120													36.1	210.5	19,600	52.4	218.9	17,000				120
125													28.4	202.6	18,500	47.0	214.6	16,000				125
130													18.0	190.9	17,500	41.2	209.5	15,100				130
135																34.5	203.0	14,300				135
140																26.4	194.5	13,600	45.1	206.0	11,400	140
145																14.7	181.2	12,900	39.0	200.4	10,800	145
150																			31.9	193.4	10,300	150
155																			23.1	183.8	9,700	155
160																			7.5	165.5	9,100	160

Liftcrane Luffing Jib Capacities

New York City Code
Luffing Jib No. 139 on Boom No. 78
142,000 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

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

777 SERIES 2

170 Ft. Boom, 80 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib 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	72.2	256.0	74,800 *b																			35
40	68.4	254.2	72,700 *b																			40
45	64.5	252.1	68,900 *b																			45
50	60.4	249.4	65,300 *																			50
55	56.2	246.4	61,900 *	68.4	253.0	59,400 *b																55
60	51.8	242.7	58,700 *	64.5	250.8	56,500 *b																60
65	47.1	238.5	54,100 *	60.4	248.2	53,500 *	67.5	251.1	51,000 *b													65
70	42.0	233.4	49,600 *	56.2	245.1	49,000 *	63.6	248.9	48,300 *b													70
75	36.3	227.2	45,600 *	51.8	241.5	45,200 *	59.5	246.2	44,500 *													75
80	29.7	219.5	42,200 *	47.1	237.2	41,800 *	55.3	243.0	41,200 *													80
85	21.4	209.1	38,400 *	42.0	232.1	38,900 *	50.8	239.2	38,300 *													85
90	6.6	189.1	30,200 *	36.3	225.9	36,300 *	46.0	234.8	35,800 *	59.3	242.6	32,000										90
95				29.7	218.3	33,900 *	40.8	229.5	33,500 *	55.0	239.4	29,900										95
100				21.4	207.8	31,900 *	35.0	223.1	31,400 *	50.5	235.6	27,900										100
105				6.6	187.7	30,000 *	28.1	214.9	29,500	45.7	231.1	26,200										105
110							19.2	203.5	27,800	40.4	225.7	24,700	54.4	234.3	21,600							110
115										34.6	219.2	23,300	49.9	230.4	20,300							115
120										27.6	210.9	22,000	45.0	225.8	19,200							120
125										18.4	199.2	20,800	39.7	220.3	18,100							125
130													33.7	213.6	17,200	48.8	223.6	14,700				130
135													26.5	205.0	16,300	43.8	218.8	13,900				135
140													16.8	192.4	15,400	38.4	213.1	13,200				140
145																32.2	206.0	12,500	47.1	215.0	10,300	145
150																24.7	196.8	11,800	42.0	210.0	9,800	150
155																13.7	182.4	11,200	36.4	203.8	9,300	155
160																			29.8	196.2	8,800	160
165																			21.6	185.8	8,300	165
170																			7.0	166.1	7,800	170

Liftcrane Luffing Jib Capacities

777 SERIES 2

New York City Code
Luffing Jib No. 139 on Boom No. 78
142,000 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

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

170 Ft. Boom, 90 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib 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	266.5	68,800 *b																35
40	70.9	264.9	68,300 *b																40
45	67.5	263.0	65,700 *b																45
50	64.0	260.7	62,700 *																50
55	60.4	258.1	59,600 *	70.9	263.6	57,500 *b													55
60	56.7	255.0	56,400 *	67.5	261.7	54,900 *b													60
65	52.8	251.5	53,200 *	64.0	259.5	51,000													65
70	48.6	247.4	49,200 *	60.4	256.8	46,300	66.7	259.9	42,100										70
75	44.3	242.7	45,300 *	56.7	253.8	42,300	63.2	257.5	38,400										75
80	39.5	237.1	41,900 *	52.8	250.2	38,800	59.6	254.8	35,200										80
85	34.2	230.4	38,900 *	48.6	246.1	35,800	55.8	251.7	32,500										85
90	28.0	222.1	35,800 *	44.2	241.4	33,200	51.9	248.0	30,000	63.0	254.0	24,800							90
95	20.2	210.9	32,700 *	39.5	235.8	30,900	47.7	243.8	27,900	59.3	251.3	23,000							95
100	6.3	189.7	26,200 *	34.2	229.1	28,800	43.2	238.9	26,000	55.6	248.1	21,300							100
105				28.0	220.8	26,900	38.4	233.1	24,300	51.6	244.4	19,900							105
110				20.2	209.6	25,200	32.9	226.1	22,700	47.4	240.1	18,500							110
115				6.2	188.3	23,500	26.5	217.3	21,300	42.9	235.2	17,300	55.0	243.0	13,400				115
120							18.1	205.1	20,000	38.0	229.3	16,200	51.1	239.2	12,500				120
125										32.5	222.2	15,200	46.8	234.9	11,700				125
130										26.0	213.3	14,300	42.3	229.8	10,900				130
135										17.4	200.7	13,400	37.3	223.8	10,200	50.1	232.5	7,000	135
140													31.7	216.5	9,500	45.8	228.0	6,400	140
145													25.0	207.3	8,800	41.2	222.7	5,900	145
150													15.9	193.9	8,200	36.1	216.5	5,500	150
155																30.3	208.8	5,000	155
160																23.2	198.9	4,600	160
165																13.0	183.6	4,100	165

Liftcrane Luffing Jib Capacities

New York City Code
Luffing Jib No. 139 on Boom No. 78
142,000 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

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

777 SERIES 2

170 Ft. Boom, 100 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib 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	276.8	63,600 *b																35
40	72.9	275.4	62,100 *b																40
45	69.8	273.7	60,000 *																45
50	66.8	271.7	57,800 *																50
55	63.6	269.4	55,300 *																55
60	60.4	266.8	52,700 *	69.8	272.5	52,900 *													60
65	57.0	263.7	50,000 *	66.7	270.5	50,500													65
70	53.5	260.3	47,400 *	63.6	268.2	45,800													70
75	49.9	256.3	44,700 *	60.3	265.5	41,800	66.1	268.6	37,800										75
80	46.0	251.8	41,400 *	57.0	262.4	38,400	62.9	266.2	34,700										80
85	41.9	246.6	38,400 *	53.5	259.0	35,400	59.6	263.5	31,900										85
90	37.4	240.6	35,800 *	49.9	255.0	32,800	56.3	260.3	29,500										90
95	32.4	233.4	33,100 *	46.0	250.5	30,400	52.7	256.8	27,400	62.7	262.7	22,400							95
100	26.5	224.5	30,600 *	41.9	245.3	28,400	49.0	252.7	25,500	59.4	259.9	20,700							100
105	19.2	212.7	28,100 *	37.4	239.3	26,500	45.1	248.1	23,800	56.0	256.8	19,300							105
110	5.9	190.2	22,700 *	32.4	232.1	24,800	40.9	242.7	22,200	52.5	253.2	18,000							110
115				26.5	223.2	23,300	36.3	236.5	20,800	48.8	249.1	16,800							115
120				19.1	211.4	21,800	31.2	229.0	19,500	44.9	244.4	15,700	55.5	251.7	11,900				120
125				5.9	188.8	20,500	25.1	219.6	18,400	40.6	239.0	14,700	52.0	248.0	11,100				125
130							17.1	206.7	17,200	36.0	232.7	13,800	48.3	243.9	10,300				130
135										30.8	225.1	12,900	44.3	239.1	9,600				135
140										24.6	215.6	12,100	40.0	233.6	8,900	51.2	241.3	5,800	140
145										16.5	202.2	11,300	35.3	227.1	8,300	47.4	237.0	5,300	145
150													30.0	219.3	7,700	43.4	232.1	4,900	150
155													23.7	209.4	7,200	39.0	226.4	4,400	155
160													15.0	195.2	6,600	34.2	219.6	4,000	160

Liftcrane Luffing Jib Capacities

777 SERIES 2

New York City Code

Luffing Jib No. 139 on Boom No. 78

142,000 Lb. Crane Counterweight

44,000 Lb. Carbody Counterweight

360 Degree Rating

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

170 Ft. Boom, 110 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
40	74.5	285.8	50,100 *													40
45	71.7	284.3	49,200 *													45
50	69.0	282.5	48,400 *													50
55	66.2	280.5	47,500 *													55
60	63.3	278.1	46,800 *													60
65	60.3	275.4	45,800 *	69.0	281.3	47,400 *										65
70	57.3	272.4	43,600 *	66.2	279.2	45,600 *										70
75	54.1	269.0	41,500 *	63.3	276.8	41,700										75
80	50.8	265.1	39,400 *	60.3	274.2	38,300	65.5	277.3	34,600							80
85	47.4	260.8	37,400 *	57.3	271.1	35,300	62.6	274.9	31,800							85
90	43.7	255.9	35,200 *	54.1	267.7	32,700	59.7	272.1	29,400							90
95	39.8	250.3	33,200 *	50.8	263.9	30,400	56.6	269.0	27,300							95
100	35.6	243.9	31,100 *	47.4	259.5	28,300	53.4	265.5	25,400	62.4	271.4	20,600				100
105	30.8	236.2	28,900 *	43.7	254.6	26,400	50.1	261.6	23,700	59.5	268.6	19,200				105
110	25.3	226.8	26,800 *	39.8	249.0	24,800	46.6	257.1	22,200	56.4	265.5	17,900				110
115	18.3	214.3	24,700 *	35.6	242.6	23,200	42.9	252.1	20,800	53.2	261.9	16,700				115
120	5.7	190.7	20,100 *	30.8	234.9	21,900	38.9	246.3	19,500	49.9	258.0	15,600				120
125				25.3	225.5	20,600	34.6	239.6	18,300	46.4	253.5	14,600	56.0	260.4	10,900	125
130				18.2	213.0	19,400	29.7	231.7	17,300	42.7	248.4	13,700	52.8	256.8	10,200	130
135				5.6	189.3	18,200	23.9	221.8	16,300	38.7	242.6	12,900	49.4	252.8	9,500	135
140							16.3	208.2	15,300	34.3	235.8	12,100	45.9	248.2	8,800	140
145										29.3	227.8	11,300	42.1	243.0	8,200	145
150										23.5	217.7	10,600	38.1	237.1	7,700	150
155										15.7	203.6	10,000	33.6	230.2	7,100	155
160													28.6	221.9	6,600	160
165													22.6	211.5	6,200	165
170													14.3	196.5	5,700	170

Liftcrane Luffing Jib Capacities

New York City Code
Luffing Jib No. 139 on Boom No. 78
142,000 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

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

777 SERIES 2

170 Ft. Boom, 120 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib 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	296.2	47,100 *b													40
45	73.3	294.8	46,300 *													45
50	70.8	293.2	45,600 *													50
55	68.3	291.3	44,900 *													55
60	65.7	289.2	44,000 *													60
65	63.0	286.8	42,400 *	70.8	291.9	45,500 *										65
70	60.3	284.1	40,800 *	68.2	290.0	43,800 *										70
75	57.5	281.1	39,000 *	65.7	287.9	41,200										75
80	54.6	277.7	37,300 *	63.0	285.5	37,800	67.7	288.2	34,000							80
85	51.6	274.0	35,500 *	60.3	282.8	34,800	65.1	286.0	31,300							85
90	48.5	269.8	33,800 *	57.5	279.8	32,200	62.4	283.6	28,900							90
95	45.3	265.1	31,900 *	54.6	276.4	29,900	59.7	280.8	26,800							95
100	41.8	259.8	30,300 *	51.6	272.7	27,900	56.9	277.7	24,900							100
105	38.1	253.9	28,800 *	48.5	268.5	26,000	54.0	274.3	23,200	62.2	280.0	18,600				105
110	34.0	247.0	26,800 *	45.3	263.8	24,300	51.0	270.4	21,700	59.5	277.3	17,300				110
115	29.5	238.9	25,000 *	41.8	258.6	22,800	47.8	266.1	20,300	56.7	274.1	16,100				115
120	24.2	229.0	23,300 *	38.1	252.6	21,400	44.5	261.3	19,000	53.8	270.7	15,100				120
125	17.5	215.9	21,500 *	34.0	245.7	20,200	41.0	255.9	17,900	50.8	266.8	14,100				125
130	5.4	191.2	17,500 *	29.5	237.6	19,000	37.2	249.8	16,800	47.6	262.5	13,200	56.3	269.1	9,600	130
135				24.2	227.7	17,900	33.1	242.7	15,800	44.3	257.7	12,300	53.4	265.6	8,900	135
140				17.5	214.6	16,900	28.4	234.3	14,900	40.8	252.2	11,600	50.4	261.6	8,300	140
145				5.4	189.8	15,900	22.9	223.9	14,000	37.0	246.0	10,800	47.2	257.3	7,700	145
150							15.6	209.6	13,200	32.8	238.8	10,200	43.8	252.3	7,100	150
155										28.1	230.3	9,500	40.3	246.8	6,600	155
160										22.5	219.7	8,900	36.4	240.5	6,100	160
165										15.0	205.0	8,400	32.2	233.2	5,700	165
170													27.4	224.4	5,200	170
175													21.6	213.4	4,800	175
180													13.7	197.7	4,400	180

Liftcrane Luffing Jib Capacities

777 SERIES 2

New York City Code

Luffing Jib No. 139 on Boom No. 78

142,000 Lb. Crane Counterweight

44,000 Lb. Carbody Counterweight

360 Degree Rating

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

170 Ft. Boom, 130 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib 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	305.2	43,500 *													45
50	72.3	303.7	42,800 *													50
55	70.0	302.0	41,800 *													55
60	67.6	300.1	40,600 *													60
65	65.2	297.9	39,300 *													65
70	62.8	295.5	37,900 *	70.0	300.7	42,200 *										70
75	60.3	292.7	36,400 *	67.6	298.8	40,800 *										75
80	57.7	289.7	35,000 *	65.2	296.6	37,400										80
85	55.1	286.4	33,600 *	62.8	294.2	34,500	67.1	297.0	30,900							85
90	52.3	282.7	32,100 *	60.3	291.5	31,900	64.7	294.7	28,500							90
95	49.5	278.7	30,500 *	57.7	288.5	29,600	62.2	292.2	26,400							95
100	46.5	274.2	29,100 *	55.0	285.1	27,500	59.7	289.5	24,500							100
105	43.4	269.2	27,700 *	52.3	281.5	25,700	57.1	286.4	22,900							105
110	40.1	263.6	26,400 *	49.5	277.4	24,000	54.5	283.0	21,300	62.1	288.7	16,900				110
115	36.5	257.2	24,900 *	46.5	272.9	22,500	51.7	279.2	20,000	59.5	285.9	15,700				115
120	32.6	250.0	23,300 *	43.4	267.9	21,100	48.8	275.1	18,700	57.0	282.8	14,700				120
125	28.3	241.5	21,800 *	40.1	262.3	19,900	45.8	270.5	17,500	54.3	279.4	13,700				125
130	23.2	231.1	20,400 *	36.5	255.9	18,700	42.7	265.3	16,500	51.5	275.6	12,800				130
135	16.8	217.4	18,800 *	32.6	248.7	17,700	39.3	259.6	15,500	48.6	271.4	12,000	56.6	277.8	8,500	135
140	5.2	191.7	15,300 *	28.3	240.2	16,700	35.7	253.1	14,600	45.6	266.8	11,200	53.9	274.3	7,900	140
145				23.2	229.8	15,700	31.7	245.6	13,800	42.5	261.6	10,500	51.1	270.5	7,300	145
150				16.8	216.1	14,800	27.3	236.8	13,000	39.1	255.8	9,800	48.2	266.2	6,700	150
155				5.2	190.3	14,000	22.0	225.8	12,200	35.5	249.3	9,200	45.2	261.5	6,200	155
160							15.0	210.9	11,500	31.5	241.7	8,600	42.0	256.3	5,700	160
165										26.9	232.8	8,100	38.6	250.4	5,300	165
170										21.6	221.7	7,500	34.9	243.7	4,900	170
175										14.4	206.3	7,000	30.9	236.0	4,500	175
180													26.3	226.8	4,100	180

Liftcrane Luffing Jib Capacities

New York City Code
Luffing Jib No. 139 on Boom No. 78
142,000 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

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

777 SERIES 2

170 Ft. Boom, 140 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	75.7	315.5	39,800 *													45
50	73.6	314.2	39,000 *													50
55	71.5	312.6	38,100 *													55
60	69.3	310.8	37,100 *													60
65	67.1	308.8	36,100 *													65
70	64.9	306.6	35,000 *													70
75	62.6	304.1	33,800 *	69.3	309.6	38,800 *										75
80	60.3	301.4	32,600 *	67.1	307.6	37,000										80
85	57.9	298.4	31,400 *	64.9	305.3	34,000										85
90	55.4	295.1	30,300 *	62.6	302.9	31,400	66.6	305.7	28,000							90
95	52.9	291.5	29,100 *	60.2	300.1	29,100	64.4	303.4	25,900							95
100	50.3	287.5	27,800 *	57.9	297.1	27,100	62.1	300.9	24,000							100
105	47.6	283.2	26,500 *	55.4	293.8	25,200	59.7	298.1	22,400							105
110	44.7	278.4	25,400 *	52.9	290.2	23,600	57.3	295.1	20,800							110
115	41.7	273.1	24,200 *	50.3	286.3	22,100	54.9	291.7	19,500	61.9	297.4	15,200				115
120	38.6	267.1	23,100 *	47.6	281.9	20,700	52.3	288.0	18,200	59.6	294.6	14,100				120
125	35.2	260.5	21,600 *	44.7	277.1	19,500	49.7	284.0	17,100	57.2	291.5	13,100				125
130	31.4	252.9	20,200 *	41.7	271.8	18,300	47.0	279.5	16,000	54.7	288.1	12,300				130
135	27.2	244.0	19,000 *	38.6	265.9	17,200	44.1	274.6	15,100	52.2	284.4	11,400				135
140	22.4	233.1	17,800 *	35.1	259.2	16,200	41.1	269.2	14,200	49.5	280.3	10,700	56.8	286.5	7,300	140
145	16.2	218.8	16,400 *	31.4	251.6	15,300	37.8	263.1	13,300	46.8	275.9	10,000	54.4	283.0	6,700	145
150	5.0	192.1	13,300 *	27.2	242.7	14,500	34.4	256.2	12,500	43.9	270.9	9,300	51.8	279.3	6,200	150
155				22.4	231.8	13,700	30.6	248.4	11,800	40.9	265.4	8,700	49.2	275.1	5,700	155
160				16.2	217.5	12,900	26.3	239.1	11,100	37.6	259.3	8,100	46.4	270.6	5,200	160
165				5.0	190.7	12,100	21.2	227.8	10,500	34.1	252.4	7,600	43.5	265.6	4,800	165
170							14.5	212.2	9,800	30.3	244.5	7,100	40.4	260.0	4,300	170
175										25.9	235.1	6,600				175
180										20.8	223.5	6,100				180

Liftcrane Luffing Jib Capacities

777 SERIES 2

New York City Code

Luffing Jib No. 139 on Boom No. 78

142,000 Lb. Crane Counterweight

44,000 Lb. Carbody Counterweight

360 Degree Rating

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

170 Ft. Boom, 150 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib 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	324.6	35,500 *													50
55	72.8	323.1	34,800 *													55
60	70.7	321.5	34,000 *													60
65	68.7	319.6	33,100 *													65
70	66.6	317.6	32,300 *													70
75	64.5	315.3	31,300 *	70.7	320.2	35,300 *										75
80	62.4	312.8	30,400 *	68.7	318.3	35,100 *										80
85	60.2	310.1	29,400 *	66.6	316.3	33,800										85
90	58.0	307.1	28,400 *	64.5	314.0	31,200										90
95	55.7	303.8	27,400 *	62.4	311.5	28,900	66.2	314.4	25,700							95
100	53.4	300.3	26,400 *	60.2	308.8	26,900	64.1	312.1	23,900							100
105	51.0	296.4	25,400 *	58.0	305.8	25,100	61.9	309.6	22,200							105
110	48.5	292.1	24,300 *	55.7	302.5	23,400	59.8	306.8	20,700							110
115	45.9	287.5	23,300 *	53.4	299.0	21,900	57.5	303.7	19,300							115
120	43.1	282.4	22,300 *	51.0	295.1	20,600	55.2	300.4	18,100	61.8	306.0	14,000				120
125	40.3	276.8	21,400 *	48.5	290.9	19,300	52.9	296.8	16,900	59.6	303.2	13,000				125
130	37.2	270.6	20,300 *	45.9	286.2	18,200	50.4	292.8	15,900	57.4	300.2	12,100				130
135	33.9	263.6	19,000 *	43.1	281.1	17,100	47.9	288.5	14,900	55.1	296.8	11,300				135
140	30.3	255.6	17,900 *	40.3	275.5	16,100	45.3	283.8	14,000	52.7	293.2	10,500				140
145	26.3	246.3	16,800 *	37.2	269.3	15,200	42.5	278.6	13,200	50.3	289.2	9,800	57.1	295.1	6,500	145
150	21.6	235.1	15,700 *	33.9	262.3	14,400	39.6	272.8	12,400	47.7	284.9	9,200	54.8	291.7	6,000	150
155	15.6	220.2	14,500 *	30.3	254.3	13,600	36.5	266.5	11,700	45.1	280.1	8,600	52.4	288.1	5,500	155
160	4.9	192.5	11,800 *	26.3	245.0	12,800	33.2	259.3	11,000	42.3	274.9	8,000	49.9	284.0	5,100	160
165				21.6	233.8	12,100	29.5	251.1	10,400	39.4	269.1	7,500	47.4	279.6	4,600	165
170				15.6	218.9	11,500	25.4	241.4	9,800	36.3	262.7	7,000	44.7	274.8	4,200	170
175				4.8	191.1	10,800	20.4	229.6	9,200	32.9	255.4	6,500				175
180							14.0	213.4	8,600	29.2	247.1	6,000				180
190										20.1	225.3	5,200				190

Liftcrane Luffing Jib Capacities

New York City Code
Luffing Jib No. 139 on Boom No. 78
142,000 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

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

777 SERIES 2

170 Ft. Boom, 160 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib 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	334.9	32,100 *										50
55	73.9	333.6	31,500 *										55
60	72.0	332.0	30,900 *										60
65	70.1	330.3	30,200 *										65
70	68.2	328.4	29,500 *										70
75	66.2	326.3	28,800 *										75
80	64.3	324.0	28,000 *	70.1	329.0	30,800 *							80
85	62.3	321.5	27,200 *	68.2	327.1	30,600 *							85
90	60.2	318.7	26,400 *	66.2	325.0	30,200 *							90
95	58.1	315.7	25,300 *	64.3	322.7	28,500	67.8	325.3	25,200				95
100	56.0	312.5	24,200 *	62.3	320.2	26,500	65.8	323.2	23,400				100
105	53.8	309.0	23,100 *	60.2	317.5	24,600	63.8	320.8	21,700				105
110	51.6	305.2	22,000 *	58.1	314.5	23,000	61.8	318.2	20,200				110
115	49.2	301.0	21,000 *	56.0	311.2	21,500	59.8	315.4	18,800				115
120	46.8	296.6	20,000 *	53.8	307.7	20,100	57.7	312.4	17,600				120
125	44.3	291.7	19,100 *	51.6	303.9	18,900	55.5	309.1	16,500	61.7	314.7	12,500	125
130	41.7	286.3	18,200 *	49.2	299.8	17,700	53.3	305.5	15,400	59.6	311.9	11,600	130
135	38.9	280.4	17,300 *	46.8	295.3	16,700	51.1	301.7	14,500	57.5	308.8	10,800	135
140	36.0	273.9	16,500 *	44.3	290.4	15,700	48.7	297.4	13,600	55.4	305.5	10,000	140
145	32.8	266.6	15,700 *	41.7	285.0	14,800	46.3	292.9	12,700	53.2	301.9	9,300	145
150	29.4	258.3	14,900 *	38.9	279.1	14,000	43.8	287.9	12,000	50.9	298.0	8,700	150
155	25.5	248.6	14,200 *	36.0	272.6	13,200	41.1	282.4	11,300	48.6	293.8	8,100	155
160	20.9	237.0	13,600 *	32.8	265.3	12,400	38.3	276.4	10,600	46.1	289.2	7,500	160
165	15.1	221.6	12,600 *	29.3	257.0	11,700	35.3	269.7	9,900	43.6	284.2	7,000	165
170	4.7	193.0	10,200 *	25.4	247.3	11,100	32.1	262.2	9,400	40.9	278.7	6,500	170
175				20.9	235.7	10,500	28.5	253.6	8,800	38.1	272.6	6,000	175
180				15.1	220.3	9,900	24.5	243.6	8,300	35.1	265.9	5,600	180
190							13.5	214.7	7,300	28.3	249.7	4,700	190
200										19.4	227.1	4,000	200

Liftcrane Luffing Jib Capacities

777 SERIES 2

New York City Code
Luffing Jib No. 139 on Boom No. 78
142,000 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

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

170 Ft. Boom, 170 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
55	74.8	343.9	28,300 *										55
60	73.1	342.5	27,800 *										60
65	71.3	340.9	27,000 *										65
70	69.5	339.1	25,900 *										70
75	67.7	337.2	24,800 *										75
80	65.9	335.0	23,800 *										80
85	64.0	332.7	22,700 *	69.5	337.8	26,000 *							85
90	62.1	330.1	21,700 *	67.7	335.9	25,000 *							90
95	60.2	327.4	20,700 *	65.9	333.7	24,000 *							95
100	58.2	324.4	19,700 *	64.0	331.4	23,000 *	67.3	334.1	23,100				100
105	56.2	321.2	18,700 *	62.1	328.9	22,000 *	65.5	331.9	21,400				105
110	54.2	317.7	17,800 *	60.2	326.1	21,000 *	63.6	329.5	19,900				110
115	52.1	314.0	16,900 *	58.2	323.1	20,100 *	61.7	326.9	18,500				115
120	49.9	309.9	16,100 *	56.2	319.9	19,100 *	59.8	324.1	17,300				120
125	47.7	305.5	15,300 *	54.2	316.4	18,200 *	57.8	321.1	16,200				125
130	45.4	300.8	14,500 *	52.1	312.7	17,300 *	55.8	317.8	15,100	61.6	323.4	11,300	130
135	42.9	295.7	13,700 *	49.9	308.6	16,400 *	53.7	314.3	14,200	59.7	320.6	10,400	135
140	40.4	290.0	13,000 *	47.7	304.3	15,500	51.6	310.5	13,300	57.7	317.5	9,700	140
145	37.7	283.9	12,300 *	45.3	299.5	14,500	49.4	306.3	12,500	55.7	314.2	9,000	145
150	34.9	277.1	11,700 *	42.9	294.4	13,700	47.2	301.9	11,700	53.6	310.7	8,400	150
155	31.8	269.5	11,000 *	40.4	288.8	12,900	44.8	297.1	11,000	51.5	306.9	7,800	155
160	28.5	260.9	10,200 *	37.7	282.6	12,200	42.4	291.8	10,300	49.3	302.7	7,200	160
165	24.7	250.9	9,400 *	34.9	275.8	11,500	39.8	286.1	9,700	47.0	298.2	6,700	165
170	20.3	238.8	8,700 *	31.8	268.2	10,800	37.1	279.8	9,100	44.7	293.4	6,200	170
175	14.7	222.9	8,000 *	28.4	259.6	10,200	34.2	272.8	8,500	42.2	288.1	5,700	175
180	4.6	193.4	7,400 *	24.7	249.6	9,600 *	31.1	265.0	8,000	39.7	282.3	5,300	180
190				14.6	221.6	8,200 *	23.8	245.8	7,000	34.0	269.0	4,500	190
200							13.1	215.8	6,100				200

Liftcrane Luffing Jib Capacities

New York City Code
Luffing Jib No. 139 on Boom No. 78
142,000 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

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

777 SERIES 2

180 Ft. Boom, 70 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			60 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib 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	65.4	253.5	71,400 *b																			40
45	60.8	251.0	67,500 *b																			45
50	56.0	247.9	63,900 *																			50
55	50.9	244.2	60,500 *	66.2	252.6	58,200 *b																55
60	45.4	239.7	57,400 *	61.6	250.1	55,300 *b																60
65	39.4	234.3	53,900 *	56.9	247.1	52,400 *b	65.7	250.8	49,200 *b													65
70	32.4	227.3	49,400 *	51.8	243.5	48,400 *	61.1	248.3	46,900 *b													70
75	23.7	217.9	45,500 *	46.4	239.2	44,600 *	56.3	245.3	43,700 *													75
80	9.1	201.0	35,800 *	40.5	233.9	41,300 *	51.2	241.6	40,500 *													80
85				33.7	227.3	38,400 *	45.8	237.2	37,700 *	61.6	245.1	34,000 b										85
90				25.4	218.5	35,900 *	39.8	231.8	35,200 *	56.8	242.1	31,600										90
95				12.8	204.0	33,600 *	32.8	225.0	32,900 *	51.8	238.5	29,500										95
100							24.3	215.8	30,900 *	46.4	234.2	27,700										100
105							10.5	199.9	29,100 *	40.4	228.9	26,000	57.0	237.3	22,500							105
110										33.6	222.3	24,400	51.9	233.8	21,200							110
115										25.3	213.4	23,000	46.5	229.5	19,900							115
120										12.6	198.8	21,700	40.6	224.2	18,800							120
125													33.8	217.6	17,800	51.6	227.3	15,000				125
130													25.6	208.8	16,800	46.2	223.0	14,200				130
135													13.2	194.6	15,900	40.2	217.6	13,400				135
140																33.3	210.9	12,700				140
145																24.9	202.0	12,100	45.1	214.6	9,800	145
150																12.0	187.0	11,400	39.0	209.1	9,300	150
155																			31.9	202.1	8,800	155
160																			23.1	192.5	8,300	160
165																			7.5	174.1	7,800	165

Liftcrane Luffing Jib Capacities

777 SERIES 2

New York City Code

Luffing Jib No. 139 on Boom No. 78

142,000 Lb. Crane Counterweight

44,000 Lb. Carbody Counterweight

360 Degree Rating

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

180 Ft. Boom, 80 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
40	68.7	264.4	68,600 *b																40
45	64.8	262.2	65,200 *b																45
50	60.7	259.6	61,800 *																50
55	56.5	256.6	58,700 *	69.3	263.4	56,300 *b													55
60	52.1	253.0	55,800 *	65.4	261.3	53,600 *b													60
65	47.4	248.8	52,600 *	61.4	258.8	50,700													65
70	42.4	243.8	48,800 *	57.3	255.8	46,100	65.0	259.5	41,600 b										70
75	36.7	237.7	45,000 *	52.9	252.3	42,100	61.0	257.0	37,900										75
80	30.2	230.1	41,600 *	48.3	248.2	38,700	56.8	254.0	34,800										80
85	22.1	220.0	38,700 *	43.3	243.3	35,700	52.4	250.4	32,100										85
90	8.5	201.7	31,200 *	37.7	237.5	33,100	47.7	246.2	29,700	61.4	253.8	24,100							90
95				31.4	230.2	30,700	42.7	241.3	27,600	57.2	250.8	22,300							95
100				23.7	220.7	28,600	37.1	235.3	25,700	52.9	247.3	20,700							100
105				12.0	205.1	26,700	30.7	227.8	24,000	48.2	243.2	19,300							105
110							22.7	217.9	22,400	43.2	238.3	18,000	57.4	246.0	13,600				110
115							9.9	200.7	20,900	37.7	232.4	16,800	53.0	242.5	12,700				115
120										31.4	225.2	15,700	48.4	238.4	11,800				120
125										23.6	215.6	14,700	43.4	233.6	11,000				125
130										11.8	199.9	13,700	37.9	227.8	10,200	52.7	236.1	6,700	130
135													31.6	220.5	9,500	48.0	232.0	6,100	135
140													23.9	211.0	8,900	43.0	227.1	5,600	140
145													12.3	195.7	8,200	37.5	221.2	5,200	145
150																31.1	213.8	4,700	150
155																23.3	204.1	4,300	155

Liftcrane Luffing Jib Capacities

New York City Code
Luffing Jib No. 139 on Boom No. 78
142,000 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

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

777 SERIES 2

180 Ft. Boom, 90 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
40	71.1	275.0	63,900 *b													40
45	67.7	273.1	61,300 *b													45
50	64.2	270.9	58,600 *													50
55	60.6	268.3	55,700 *													55
60	56.9	265.3	52,800 *	68.3	272.1	52,100 *b										60
65	53.0	261.8	49,900 *	64.8	270.0	49,700 *										65
70	48.9	257.7	47,000 *	61.3	267.4	45,700	67.9	270.5	41,200 b							70
75	44.6	253.0	44,200 *	57.6	264.5	41,800	64.4	268.2	37,600							75
80	39.8	247.5	41,100 *	53.7	261.1	38,400	60.9	265.7	34,500							80
85	34.6	240.9	38,300 *	49.7	257.1	35,400	57.2	262.7	31,700							85
90	28.5	232.8	35,700 *	45.3	252.5	32,800	53.3	259.2	29,400							90
95	20.8	221.9	33,000 *	40.7	247.2	30,500	49.2	255.2	27,300	61.2	262.4	21,900				95
100	8.0	202.4	26,900 *	35.5	240.8	28,400	44.8	250.5	25,400	57.5	259.5	20,300				100
105				29.6	233.0	26,600	40.1	245.0	23,700	53.7	256.0	18,900				105
110				22.3	222.7	24,900	34.9	238.5	22,200	49.6	252.1	17,600				110
115				11.3	206.1	23,300	28.9	230.5	20,800	45.3	247.5	16,500	57.7	254.7	12,200	115
120							21.4	219.8	19,500	40.6	242.1	15,400	53.8	251.3	11,400	120
125							9.3	201.6	18,200	35.5	235.7	14,400	49.8	247.3	10,600	125
130										29.5	227.9	13,500	45.4	242.8	9,900	130
135										22.2	217.6	12,700	40.8	237.4	9,200	135
140										11.2	200.9	11,800	35.6	231.1	8,500	140
145													29.7	223.3	7,900	145
150													22.5	213.1	7,400	150
155													11.6	196.8	6,800	155

Liftcrane Luffing Jib Capacities

777 SERIES 2

New York City Code

Luffing Jib No. 139 on Boom No. 78

142,000 Lb. Crane Counterweight

44,000 Lb. Carbody Counterweight

360 Degree Rating

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

180 Ft. Boom, 100 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
40	73.1	285.5	51,700 *b													40
45	70.1	283.9	50,700 *b													45
50	67.0	281.9	49,800 *													50
55	63.8	279.6	49,000 *													55
60	60.6	277.0	48,100 *	70.6	282.8	48,500 *b										60
65	57.2	273.9	45,900 *	67.5	280.9	46,500 *										65
70	53.8	270.5	43,600 *	64.4	278.7	44,500 *										70
75	50.1	266.6	41,300 *	61.1	276.1	41,300	67.2	279.2	37,000							75
80	46.3	262.1	39,000 *	57.8	273.2	37,900	64.0	276.9	33,900							80
85	42.2	257.0	36,600 *	54.4	269.8	34,900	60.8	274.3	31,200							85
90	37.7	251.0	34,500 *	50.8	266.0	32,300	57.4	271.3	28,800							90
95	32.7	243.9	32,500 *	47.0	261.6	30,000	54.0	267.9	26,700							95
100	27.0	235.2	30,700 *	42.9	256.6	28,000	50.3	264.0	24,900	61.1	271.1	19,700				100
105	19.8	223.7	28,400 *	38.5	250.8	26,100	46.5	259.6	23,200	57.8	268.1	18,300				105
110	7.6	203.1	23,300 *	33.6	243.9	24,500	42.4	254.5	21,700	54.3	264.8	17,100				110
115				28.0	235.5	23,000	38.0	248.6	20,300	50.7	260.9	15,900				115
120				21.2	224.6	21,500	33.1	241.6	19,100	46.9	256.6	14,900	57.9	263.4	10,700	120
125				10.7	207.1	20,200	27.4	233.0	17,900	42.9	251.5	13,900	54.4	260.0	10,000	125
130							20.3	221.7	16,800	38.5	245.7	13,000	50.8	256.2	9,200	130
135							8.8	202.4	15,800	33.6	238.8	12,200	47.0	251.8	8,600	135
140										28.0	230.5	11,400	43.0	246.8	8,000	140
145										21.1	219.5	10,700	38.6	241.0	7,400	145
150										10.6	201.9	10,000	33.7	234.2	6,800	150
155													28.2	225.9	6,300	155
160													21.3	215.0	5,800	160
165													11.0	197.8	5,300	165

Liftcrane Luffing Jib Capacities

New York City Code
Luffing Jib No. 139 on Boom No. 78
142,000 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

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

777 SERIES 2

180 Ft. Boom, 110 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
40	74.7	295.9	48,900 *													40
45	71.9	294.4	48,100 *													45
50	69.2	292.7	47,300 *													50
55	66.4	290.6	46,600 *													55
60	63.5	288.3	45,000 *													60
65	60.5	285.6	43,100 *	69.6	291.6	45,000 *										65
70	57.5	282.6	41,100 *	66.8	289.7	43,200 *										70
75	54.3	279.2	39,200 *	64.0	287.4	41,200										75
80	51.1	275.4	37,200 *	61.0	284.8	37,800	66.5	287.9	33,800							80
85	47.6	271.1	35,300 *	58.0	281.8	34,800	63.7	285.6	31,100							85
90	44.0	266.3	33,200 *	54.9	278.5	32,200	60.7	283.0	28,700							90
95	40.1	260.7	31,400 *	51.6	274.8	30,000	57.7	280.0	26,600							95
100	35.9	254.3	29,700 *	48.2	270.6	27,900	54.5	276.6	24,800							100
105	31.2	246.8	28,100 *	44.6	265.8	26,100	51.3	272.9	23,100	61.0	279.7	18,200				105
110	25.7	237.6	26,700 *	40.8	260.4	24,400	47.8	268.6	21,600	58.0	276.8	17,000				110
115	18.8	225.4	24,900 *	36.6	254.2	22,900	44.2	263.8	20,200	54.9	273.5	15,800				115
120	7.3	203.8	20,500 *	32.0	246.9	21,500	40.4	258.3	19,000	51.6	269.7	14,800				120
125				26.7	238.0	20,300	36.2	251.9	17,900	48.2	265.5	13,800				125
130				20.2	226.4	19,100	31.5	244.5	16,800	44.6	260.8	12,900	55.0	268.7	9,100	130
135				10.2	208.0	18,000	26.1	235.4	15,800	40.8	255.4	12,100	51.7	265.0	8,500	135
140							19.3	223.4	14,900	36.6	249.1	11,400	48.3	260.8	7,900	140
145							8.4	203.1	14,000	32.0	241.8	10,700	44.7	256.1	7,300	145
150										26.7	232.9	10,000	40.9	250.7	6,800	150
155										20.1	221.3	9,400	36.7	244.4	6,300	155
160										10.1	202.8	8,700	32.1	237.2	5,800	160
165													26.8	228.3	5,400	165
170													20.3	216.9	4,900	170
175													10.5	198.7	4,500	175

Liftcrane Luffing Jib Capacities

777 SERIES 2

New York City Code

Luffing Jib No. 139 on Boom No. 78

142,000 Lb. Crane Counterweight

44,000 Lb. Carbody Counterweight

360 Degree Rating

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

180 Ft. Boom, 120 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib 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	306.3	46,000 *b													40
45	73.5	304.9	45,300 *													45
50	71.0	303.3	44,500 *													50
55	68.4	301.4	43,100 *													55
60	65.8	299.3	41,600 *													60
65	63.2	297.0	40,100 *													65
70	60.5	294.3	38,500 *	68.9	300.4	41,600 *										70
75	57.7	291.3	36,900 *	66.3	298.4	40,100 *										75
80	54.8	287.9	35,200 *	63.7	296.0	37,300										80
85	51.9	284.2	33,600 *	61.0	293.4	34,400	66.0	296.7	30,500							85
90	48.8	280.1	32,000 *	58.2	290.5	31,800	63.4	294.3	28,200							90
95	45.5	275.4	30,400 *	55.3	287.2	29,500	60.6	291.6	26,100							95
100	42.0	270.2	28,700 *	52.4	283.6	27,500	57.9	288.7	24,300							100
105	38.3	264.3	27,200 *	49.3	279.5	25,600	55.0	285.4	22,600							105
110	34.3	257.5	25,800 *	46.1	274.9	24,000	52.0	281.7	21,100	60.9	288.4	16,400				110
115	29.8	249.5	24,500 *	42.7	269.8	22,500	48.9	277.5	19,800	58.2	285.5	15,200				115
120	24.6	239.8	23,300 *	39.0	264.0	21,100	45.7	272.9	18,500	55.3	282.2	14,200				120
125	18.0	227.0	21,600 *	35.0	257.4	19,900	42.3	267.7	17,400	52.3	278.5	13,300				125
130	7.0	204.4	17,900 *	30.6	249.7	18,700	38.6	261.9	16,300	49.3	274.4	12,400				130
135				25.6	240.3	17,700	34.6	255.1	15,400	46.0	269.9	11,600	55.4	277.4	7,900	135
140				19.3	228.2	16,600	30.1	247.2	14,500	42.6	264.8	10,800	52.4	273.8	7,300	140
145				9.8	208.9	15,700	24.9	237.6	13,600	39.0	259.0	10,200	49.4	269.7	6,700	145
150							18.5	225.1	12,800	35.0	252.3	9,500	46.1	265.2	6,200	150
155							8.0	203.8	12,100	30.6	244.6	8,900	42.7	260.1	5,700	155
160										25.5	235.2	8,300	39.1	254.3	5,300	160
165										19.2	223.0	7,800	35.1	247.7	4,800	165
170										9.7	203.6	7,200	30.7	240.0	4,400	170
175													25.7	230.6	4,000	175

Liftcrane Luffing Jib Capacities

New York City Code
Luffing Jib No. 139 on Boom No. 78
142,000 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

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

777 SERIES 2

180 Ft. Boom, 130 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	74.8	315.3	41,700 *													45
50	72.5	313.8	40,700 *													50
55	70.2	312.1	39,700 *													55
60	67.8	310.2	38,500 *													60
65	65.4	308.1	37,200 *													65
70	63.0	305.6	35,900 *	70.6	311.1	40,000 *										70
75	60.5	302.9	34,600 *	68.2	309.2	38,700 *										75
80	57.9	300.0	33,200 *	65.8	307.1	36,900										80
85	55.2	296.7	31,800 *	63.4	304.7	34,000	67.9	307.5	30,100							85
90	52.5	293.0	30,400 *	60.9	302.1	31,400	65.5	305.4	27,800							90
95	49.7	289.0	29,100 *	58.3	299.2	29,200	63.1	303.0	25,700							95
100	46.7	284.5	27,700 *	55.7	295.9	27,100	60.6	300.3	23,900							100
105	43.6	279.5	26,300 *	53.0	292.3	25,300	58.0	297.3	22,200							105
110	40.3	274.0	25,000 *	50.2	288.4	23,700	55.4	294.1	20,800							110
115	36.8	267.7	23,800 *	47.2	284.0	22,200	52.7	290.4	19,400	60.9	297.1	14,800				115
120	32.9	260.5	22,700 *	44.2	279.1	20,800	49.9	286.4	18,200	58.3	294.1	13,800				120
125	28.6	252.1	21,600 *	40.9	273.6	19,600	46.9	282.0	17,000	55.7	290.9	12,900				125
130	23.6	241.9	20,500 *	37.4	267.5	18,400	43.8	277.0	16,000	53.0	287.3	12,000				130
135	17.3	228.5	18,900 *	33.6	260.5	17,400	40.5	271.5	15,100	50.2	283.3	11,200				135
140	6.7	205.0	15,700 *	29.4	252.3	16,400	37.0	265.3	14,200	47.2	278.9	10,500	55.8	286.1	6,900	140
145				24.5	242.5	15,500	33.2	258.2	13,300	44.1	274.0	9,800	53.0	282.5	6,300	145
150				18.5	229.8	14,600	28.9	249.9	12,600	40.9	268.6	9,200	50.2	278.6	5,800	150
155				9.4	209.7	13,800	23.9	239.8	11,800	37.4	262.4	8,600	47.3	274.2	5,300	155
160							17.7	226.7	11,100	33.6	255.4	8,000	44.2	269.3	4,900	160
165							7.7	204.5	10,500	29.4	247.3	7,500	41.0	263.9	4,500	165
170										24.5	237.4	7,000	37.5	257.8	4,100	170
175										18.5	224.7	6,500				175
180										9.3	204.5	6,000				180

Liftcrane Luffing Jib Capacities

777 SERIES 2

New York City Code
Luffing Jib No. 139 on Boom No. 78
142,000 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

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

180 Ft. Boom, 140 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib 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	325.6	37,900 *										45
50	73.8	324.3	37,100 *										50
55	71.6	322.7	36,200 *										55
60	69.5	321.0	35,300 *										60
65	67.3	319.0	34,300 *										65
70	65.0	316.8	33,200 *										70
75	62.7	314.3	32,100 *	69.8	319.9	36,900 *							75
80	60.4	311.6	31,000 *	67.6	318.0	35,800 *							80
85	58.0	308.6	29,900 *	65.4	315.8	33,500							85
90	55.6	305.4	28,700 *	63.1	313.4	31,000	67.4	316.3	27,300				90
95	53.1	301.8	27,600 *	60.8	310.7	28,700	65.2	314.1	25,200				95
100	50.5	297.8	26,400 *	58.4	307.8	26,700	62.9	311.7	23,400				100
105	47.8	293.5	25,300 *	56.0	304.6	24,800	60.6	309.0	21,700				105
110	44.9	288.7	24,200 *	53.5	301.1	23,200	58.2	306.0	20,300				110
115	42.0	283.4	23,000 *	50.9	297.2	21,700	55.7	302.8	18,900				115
120	38.8	277.6	21,900 *	48.2	292.9	20,400	53.2	299.2	17,700	60.8	305.7	13,300	120
125	35.4	271.0	20,900 *	45.4	288.2	19,100	50.6	295.3	16,600	58.4	302.8	12,300	125
130	31.7	263.4	20,000 *	42.5	283.1	18,000	47.9	291.0	15,500	56.0	299.6	11,500	130
135	27.6	254.6	19,100 *	39.4	277.3	16,900	45.1	286.2	14,600	53.5	296.0	10,700	135
140	22.7	244.0	17,900 *	36.0	270.8	16,000	42.1	281.0	13,700	50.9	292.2	10,000	140
145	16.7	230.0	16,500 *	32.4	263.4	15,100	39.0	275.1	12,900	48.2	287.9	9,300	145
150	6.5	205.6	13,600 *	28.3	254.9	14,200	35.6	268.6	12,100	45.4	283.2	8,600	150
155				23.6	244.6	13,400	31.9	261.1	11,400	42.5	278.0	8,100	155
160				17.9	231.4	12,700	27.8	252.4	10,700	39.3	272.2	7,500	160
165				9.1	210.5	11,900	23.1	241.9	10,100	36.0	265.8	7,000	165
170							17.1	228.2	9,500	32.3	258.4	6,500	170
175							7.4	205.2	8,900	28.3	249.8	6,000	175
180										23.6	239.5	5,600	180
190										8.9	205.3	4,700	190

Liftcrane Luffing Jib Capacities

New York City Code
Luffing Jib No. 139 on Boom No. 78
142,000 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

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

777 SERIES 2

180 Ft. Boom, 150 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib 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	334.7	33,900 *										50
55	72.9	333.2	33,200 *										55
60	70.9	331.6	32,400 *										60
65	68.9	329.7	31,600 *										65
70	66.8	327.7	30,700 *										70
75	64.7	325.5	29,800 *										75
80	62.6	323.0	28,900 *	69.2	328.7	33,800 *							80
85	60.4	320.3	28,000 *	67.1	326.7	33,300 *							85
90	58.2	317.3	27,000 *	65.1	324.5	30,800							90
95	55.9	314.0	26,100 *	62.9	322.1	28,500	66.9	325.0	25,000				95
100	53.6	310.5	25,100 *	60.8	319.4	26,500	64.8	322.8	23,200				100
105	51.1	306.7	24,100 *	58.6	316.5	24,700	62.7	320.3	21,600				105
110	48.6	302.4	23,200 *	56.3	313.3	23,100	60.5	317.6	20,100				110
115	46.0	297.8	22,200 *	54.0	309.8	21,600	58.3	314.7	18,800				115
120	43.3	292.8	21,200 *	51.6	306.0	20,200	56.0	311.4	17,500	62.9	317.1	13,100	120
125	40.5	287.2	20,300 *	49.1	301.9	19,000	53.7	307.9	16,400	60.7	314.4	12,200	125
130	37.4	281.0	19,400 *	46.5	297.3	17,900	51.3	304.1	15,400	58.5	311.5	11,300	130
135	34.2	274.1	18,600 *	43.8	292.3	16,800	48.8	299.9	14,400	56.3	308.3	10,500	135
140	30.6	266.2	17,800 *	41.0	286.9	15,800	46.2	295.3	13,600	53.9	304.8	9,800	140
145	26.6	257.0	16,900 *	38.0	280.8	15,000	43.5	290.3	12,800	51.5	301.0	9,100	145
150	22.0	246.0	15,800 *	34.7	274.0	14,100	40.6	284.7	12,000	49.1	296.8	8,500	150
155	16.1	231.5	14,600 *	31.2	266.3	13,300	37.6	278.6	11,300	46.5	292.3	7,900	155
160	6.2	206.1	12,100 *	27.3	257.4	12,600	34.4	271.7	10,600	43.8	287.3	7,400	160
165				22.8	246.7	11,900	30.8	263.9	10,000	40.9	281.8	6,900	165
170				17.2	233.0	11,200	26.9	254.8	9,400	37.9	275.7	6,400	170
175				8.7	211.3	10,600	22.3	243.9	8,800	34.7	268.9	5,900	175
180							16.5	229.7	8,300	31.2	261.2	5,500	180
190										22.8	241.6	4,700	190

Liftcrane Luffing Jib Capacities

777 SERIES 2

New York City Code
Luffing Jib No. 139 on Boom No. 78
142,000 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

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

180 Ft. Boom, 160 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib 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	345.0	30,700 *										50
55	74.0	343.6	30,100 *										55
60	72.1	342.1	29,500 *										60
65	70.2	340.4	28,900 *										65
70	68.3	338.5	28,200 *										70
75	66.4	336.4	27,500 *										75
80	64.4	334.2	26,700 *	70.6	339.4	29,800 *							80
85	62.4	331.6	26,000 *	68.6	337.5	29,600 *							85
90	60.4	328.9	25,200 *	66.7	335.5	29,400 *							90
95	58.3	326.0	24,400 *	64.7	333.2	28,100							95
100	56.2	322.7	23,600 *	62.8	330.8	26,100	66.5	333.8	22,700				100
105	54.0	319.2	22,800 *	60.7	328.1	24,200	64.5	331.5	21,100				105
110	51.7	315.5	22,000 *	58.6	325.1	22,600	62.5	329.0	19,600				110
115	49.4	311.3	21,100 *	56.5	322.0	21,100	60.5	326.3	18,300				115
120	47.0	306.9	20,100 *	54.3	318.5	19,800	58.4	323.3	17,100				120
125	44.5	302.0	19,200 *	52.1	314.8	18,600	56.3	320.1	15,900	62.7	325.7	11,600	125
130	41.9	296.7	18,300 *	49.8	310.7	17,400	54.1	316.7	14,900	60.7	323.0	10,800	130
135	39.1	290.8	17,400 *	47.4	306.3	16,400	51.9	312.9	14,000	58.6	320.1	10,000	135
140	36.2	284.3	16,600 *	44.9	301.5	15,400	49.5	308.8	13,100	56.5	316.9	9,300	140
145	33.0	277.1	15,800 *	42.3	296.3	14,500	47.1	304.3	12,300	54.3	313.5	8,600	145
150	29.6	268.9	15,000 *	39.6	290.5	13,700	44.7	299.5	11,500	52.1	309.8	8,000	150
155	25.7	259.4	14,300 *	36.7	284.2	12,900	42.0	294.2	10,800	49.8	305.7	7,400	155
160	21.3	247.9	13,700 *	33.6	277.1	12,200	39.3	288.4	10,200	47.4	301.3	6,900	160
165	15.6	232.8	12,700 *	30.2	269.0	11,500	36.4	281.9	9,600	44.9	296.5	6,400	165
170	6.0	206.7	10,400 *	26.4	259.8	10,900	33.2	274.8	9,000	42.3	291.2	5,900	170
175				22.1	248.7	10,200	29.8	266.6	8,400	39.6	285.5	5,400	175
180				16.7	234.5	9,700	26.0	257.2	7,900	36.7	279.1	5,000	180
190							16.0	231.1	6,900	30.2	264.0	4,200	190

Liftcrane Luffing Jib Capacities

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777 SERIES 2

180 Ft. Boom, 170 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
55	75.0	354.0	27,200 *										55
60	73.2	352.6	26,700 *										60
65	71.4	351.0	26,200 *										65
70	69.7	349.2	25,600 *										70
75	67.8	347.3	24,800 *										75
80	66.0	345.2	23,700 *										80
85	64.2	342.8	22,700 *	70.0	348.2	25,500 *							85
90	62.3	340.3	21,700 *	68.2	346.3	25,200 *							90
95	60.3	337.6	20,700 *	66.3	344.2	24,200 *							95
100	58.4	334.6	19,800 *	64.5	341.9	23,200 *							100
105	56.4	331.4	18,800 *	62.6	339.4	22,300 *	66.1	342.5	20,800				105
110	54.3	328.0	17,900 *	60.7	336.7	21,300 *	64.3	340.2	19,300				110
115	52.2	324.2	17,000 *	58.7	333.8	20,400 *	62.4	337.7	18,000				115
120	50.1	320.2	16,200 *	56.7	330.7	19,400 *	60.5	334.9	16,800				120
125	47.8	315.9	15,400 *	54.7	327.2	18,300	58.5	332.0	15,700				125
130	45.5	311.1	14,600 *	52.6	323.6	17,200	56.5	328.8	14,600	62.6	334.4	10,400	130
135	43.1	306.0	13,800 *	50.4	319.6	16,100	54.5	325.4	13,700	60.7	331.7	9,700	135
140	40.6	300.4	13,100 *	48.2	315.3	15,200	52.4	321.7	12,800	58.7	328.8	9,000	140
145	37.9	294.3	12,400 *	45.9	310.6	14,300	50.2	317.7	12,000	56.7	325.6	8,300	145
150	35.1	287.6	11,800 *	43.5	305.6	13,400	48.0	313.3	11,300	54.7	322.2	7,700	150
155	32.0	280.0	11,100 *	41.0	300.1	12,700	45.7	308.6	10,600	52.6	318.5	7,100	155
160	28.7	271.5	10,300 *	38.4	294.1	11,900	43.3	303.5	9,900	50.4	314.6	6,600	160
165	25.0	261.6	9,500 *	35.6	287.4	11,300	40.7	298.0	9,300	48.2	310.3	6,000	165
170	20.6	249.7	8,800 *	32.6	280.0	10,600	38.1	291.9	8,700	45.9	305.6	5,600	170
175	15.1	234.2	8,200 *	29.3	271.7	10,000	35.3	285.2	8,200	43.5	300.5	5,100	175
180	5.9	207.2	7,500 *	25.6	262.1	9,400	32.2	277.7	7,700	41.0	295.0	4,700	180
190				16.2	235.9	8,400 *	25.2	259.4	6,700				190
200							15.5	232.5	5,800				200