

Liftcrane Jib Capacities

New York City Code
Jib No. 134 with 12 Ft. 6 in. Strut on
Boom No. 78
105,000 Lb. Counterweight
360 Degree Rating

Meets
ANSI B30.5
Requirements

777 SERIES 1

LIFTING CAPACITIES: Chart supplements boom capacity chart **No. 8057-A**. Lifting capacities for various boom lengths, jib lengths and jib operating radii are for freely suspended loads and do not exceed 75% of a static tipping load for boom and jib length combinations thru 250 Ft. and New York City criteria of 1.4 factor applied to total machine moment for boom and jib length combinations 260 Ft. on up. Capacities based on structural competence are denoted by an asterisk (*).

Weight of all load blocks, hooks, weight ball, slings, hoist lines, etc., beneath boom and jib point sheaves, is considered part of the jib load. Boom and 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 in a level position on a firm uniformly supporting surface. Refer to boom rigging **No. 178288**, jib assembly **No. 179331**, and Wire Rope Specification chart **No. 7940-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 and boom within the boom angle range shown in capacity chart. Refer to Maximum Allowable Travel Specification chart **No. 7957-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, and is an indication of operating radius. In all cases, operating radius shall govern capacity.

JIB POINT ELEVATION: Jib point elevation is vertical distance from ground level to centerline of 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, and 105,000 Lb. counterweight.

Maximum capacity on 26 mm or 1 in. wire rope is 29,500 Lbs. per line (20,000 Lbs. when auxiliary drum is used).

Deduct

Deduct 1,050 Lbs. from Jib Capacities when
Boom Butt is Equipped with Auxiliary Drum

Maximum Boom and Jib Lengths Lifted Unassisted

Over Front of Blocked Crawlers		Over Rear of Blocked Crawlers		Over Side of Crawlers	
Boom Length	Jib No. 134	Boom Length	Jib No. 134	Boom Length	Jib No. 134
210 Ft.	---	210 Ft.	---	190 Ft.	---
200 Ft.	---	200 Ft.	---	180 Ft.	---
190 Ft.	50 Ft.	190 Ft.	40 Ft.	170 Ft.	50 Ft.
180 Ft.	80 Ft.	180 Ft.	70 Ft.	160 Ft.	70 Ft.
		170 Ft.	80 Ft.	150 Ft.	80 Ft.
Load Block, Hook and Weight Ball on Ground at Start.					



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30 Ft. JIB

Jib Oper. Rad. Feet	5 Degree Offset			15 Degree Offset			25 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	
80 Ft. BOOM										
25	80.3	117.8	59,000*							25
30	77.7	116.7	59,000*	80.4	115.9	59,000*				30
35	75.0	115.3	59,000*	77.7	114.6	59,000*	80.5	112.9	47,700*	35
40	72.4	113.7	59,000*	75.0	113.0	57,700*	77.7	111.2	44,800*	40
45	69.6	111.9	59,000*	72.3	111.1	56,500*	75.0	109.3	42,400*	45
50	66.9	109.7	58,200*	69.5	109.0	55,400*	72.1	107.1	40,200*	50
55	64.0	107.3	51,700	66.6	106.5	52,500	69.2	104.7	38,300*	55
60	61.1	104.6	45,700	63.7	103.7	46,400	66.2	101.8	36,600*	60
65	58.1	101.5	40,800	60.7	100.6	41,400	63.1	98.7	35,000*	65
70	55.0	98.0	36,600	57.5	97.1	37,200	59.9	95.1	33,700*	70
75	51.8	94.1	33,100	54.2	93.2	33,600	56.6	91.0	32,500*	75
80	48.4	89.7	30,100	50.8	88.7	30,500	53.0	86.5	30,900	80
85	44.8	84.8	27,400	47.2	83.7	27,800	49.3	81.3	28,100	85
90	40.9	79.1	25,100	43.3	78.0	25,400	45.2	75.4	25,700	90
100	32.1	64.9	21,100	34.2	63.5	21,400				100
90 Ft. BOOM										
30	78.7	126.9	59,000*							30
35	76.3	125.7	59,000*	78.8	124.9	59,000*				35
40	73.9	124.3	59,000*	76.3	123.5	58,100*	78.8	121.7	45,800*	40
45	71.4	122.6	59,000*	73.8	121.8	56,900*	76.3	120.0	43,400*	45
50	68.9	120.6	58,900	71.3	119.8	55,900*	73.7	118.0	41,300*	50
55	66.3	118.4	51,400	68.7	117.6	52,300	71.1	115.8	39,400*	55
60	63.7	116.0	45,400	66.1	115.2	46,200	68.4	113.2	37,700*	60
65	61.0	113.2	40,500	63.4	112.4	41,200	65.7	110.4	36,200*	65
70	58.3	110.2	36,400	60.6	109.3	37,000	62.8	107.3	34,800*	70
75	55.4	106.7	32,800	57.7	105.8	33,400	59.9	103.7	33,600*	75
80	52.5	102.9	29,800	54.8	102.0	30,300	56.9	99.8	30,800	80
85	49.4	98.7	27,200	51.7	97.7	27,600	53.7	95.4	28,000	85
90	46.2	94.0	24,800	48.4	92.9	25,200	50.3	90.5	25,600	90
100	39.1	82.6	20,900	41.2	81.4	21,200	42.9	78.6	21,500	100
110	30.6	67.6	17,800	32.6	66.1	18,000				110



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Requirements

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30 Ft. JIB

Jib Oper. Rad. Feet	5 Degree Offset			15 Degree Offset			25 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	
100 Ft. BOOM										
30	79.6	137.1	59,000 *							30
35	77.4	136.0	59,000 *	79.6	135.2	59,000*				35
40	75.1	134.7	59,000 *	77.4	133.9	58,400*	79.7	132.1	46,600*	40
45	72.8	133.1	59,000 *	75.1	132.3	57,300*	77.4	130.5	44,300*	45
50	70.5	131.4	58,600	72.8	130.6	56,300*	75.0	128.7	42,200*	50
55	68.2	129.4	51,100	70.4	128.6	52,100	72.7	126.7	40,400*	55
60	65.8	127.1	45,100	68.0	126.3	46,000	70.2	124.4	38,800*	60
65	63.4	124.7	40,200	65.6	123.8	40,900	67.8	121.8	37,300*	65
70	60.9	121.9	36,000	63.1	121.0	36,700	65.2	119.0	35,900*	70
75	58.4	118.8	32,500	60.6	117.9	33,100	62.6	115.9	33,700	75
80	55.8	115.5	29,500	57.9	114.5	30,000	59.9	112.4	30,500	80
85	53.1	111.7	26,800	55.2	110.8	27,300	57.1	108.6	27,800	85
90	50.3	107.6	24,500	52.4	106.6	25,000	54.2	104.3	25,400	90
100	44.3	98.0	20,600	46.3	96.9	21,000	48.0	94.3	21,300	100
110	37.5	86.0	17,500	39.4	84.7	17,700				110
120	29.4	70.2	14,900	31.1	68.5	15,000				120
110 Ft. BOOM										
30	80.3	147.3	59,000 *							30
35	78.3	146.3	59,000 *	80.4	145.5	59,000*				35
40	76.2	145.1	59,000 *	78.3	144.3	58,500*	80.5	142.4	47,300*	40
45	74.1	143.6	59,000 *	76.2	142.8	57,500*	78.3	141.0	45,100*	45
50	72.0	142.0	58,400	74.1	141.2	56,500*	76.2	139.3	43,100*	50
55	69.8	140.2	50,900	71.9	139.3	51,900	74.0	137.5	41,300*	55
60	67.6	138.1	44,900	69.7	137.3	45,800	71.8	135.4	39,700*	60
65	65.4	135.8	40,000	67.5	135.0	40,800	69.5	133.0	38,200*	65
70	63.2	133.3	35,800	65.2	132.4	36,500	67.2	130.4	36,900*	70
75	60.9	130.5	32,300	62.9	129.7	32,900	64.8	127.6	33,600	75
80	58.5	127.5	29,200	60.5	126.6	29,800	62.4	124.5	30,400	80
85	56.1	124.2	26,600	58.1	123.2	27,100	59.9	121.1	27,600	85
90	53.6	120.5	24,300	55.6	119.5	24,800	57.4	117.3	25,200	90
100	48.3	112.1	20,400	50.2	111.0	20,800	51.9	108.6	21,100	100
110	42.6	101.9	17,300	44.4	100.7	17,600	45.9	98.0	17,800	110
120	36.1	89.2	14,700	37.8	87.8	14,900				120
130	28.3	72.6	12,500							130



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Jib Oper. Rad. Feet	5 Degree Offset			15 Degree Offset			25 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	
120 Ft. BOOM										
30	81.0	157.5	59,000 *							30
35	79.0	156.5	59,000 *	81.0	155.7	59,000*				35
40	77.1	155.4	59,000 *	79.1	154.6	58,600*				40
45	75.2	154.1	59,000 *	77.1	153.2	57,600*	79.1	151.4	45,900*	45
50	73.2	152.5	58,200	75.2	151.7	56,700*	77.1	149.8	43,900*	50
55	71.2	150.8	50,800	73.2	150.0	51,800	75.1	148.1	42,200*	55
60	69.2	148.9	44,700	71.1	148.1	45,700	73.1	146.2	40,600*	60
65	67.2	146.8	39,800	69.1	146.0	40,600	71.0	144.0	39,100*	65
70	65.1	144.5	35,600	67.0	143.7	36,400	68.9	141.7	37,100	70
75	63.0	142.0	32,100	64.9	141.1	32,800	66.7	139.1	33,400	75
80	60.8	139.2	29,000	62.7	138.3	29,700	64.5	136.2	30,300	80
85	58.6	136.2	26,400	60.5	135.2	27,000	62.2	133.1	27,500	85
90	56.4	132.9	24,100	58.2	131.9	24,600	59.9	129.7	25,100	90
100	51.6	125.3	20,200	53.5	124.3	20,600	55.1	122.0	21,000	100
110	46.6	116.4	17,100	48.4	115.3	17,400	49.9	112.7	17,700	110
120	41.1	105.6	14,500	42.8	104.4	14,700	44.1	101.5	15,000	120
130	34.8	92.3	12,300	36.4	90.9	12,500				130
140	27.3	75.0	10,400							140
130 Ft. BOOM										
35	79.7	166.7	59,000 *							35
40	77.9	165.7	59,000 *	79.8	164.8	58,600*				40
45	76.1	164.4	59,000 *	78.0	163.6	57,700*	79.8	161.7	46,500*	45
50	74.3	163.0	58,000	76.1	162.2	56,800*	78.0	160.3	44,700*	50
55	72.4	161.4	50,500	74.2	160.6	51,600	76.1	158.7	42,900*	55
60	70.5	159.7	44,500	72.4	158.8	45,400	74.2	156.9	41,400*	60
65	68.6	157.7	39,500	70.5	156.8	40,400	72.3	154.9	40,000*	65
70	66.7	155.6	35,300	68.5	154.7	36,100	70.3	152.7	36,900	70
75	64.8	153.2	31,800	66.6	152.3	32,500	68.3	150.3	33,200	75
80	62.8	150.7	28,800	64.6	149.7	29,400	66.3	147.7	30,100	80
85	60.8	147.9	26,100	62.5	146.9	26,700	64.2	144.8	27,300	85
90	58.7	144.8	23,800	60.4	143.9	24,300	62.1	141.7	24,900	90
100	54.4	138.0	19,900	56.1	137.0	20,400	57.7	134.7	20,800	100
110	49.9	130.0	16,800	51.6	128.9	17,200	53.1	126.5	17,500	110
120	45.0	120.5	14,200	46.7	119.3	14,500	48.0	116.7	14,800	120
130	39.7	109.2	12,000	41.3	107.9	12,300	42.5	104.9	12,500	130
140	33.6	95.3	10,200	35.1	93.8	10,400				140
150	26.4	77.3	8,600							150



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	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	
140 Ft. BOOM										
35	80.3	176.9	59,000 *							35
40	78.6	175.9	59,000 *	80.4	175.1	58,600*				40
45	76.9	174.7	59,000 *	78.7	173.9	57,700*	80.5	172.0	47,100*	45
50	75.2	173.4	57,700	76.9	172.6	56,800*	78.7	170.7	45,300*	50
55	73.5	171.9	50,200	75.2	171.1	51,400	76.9	169.2	43,700*	55
60	71.7	170.3	44,200	73.4	169.4	45,200	75.2	167.5	42,100*	60
65	69.9	168.5	39,200	71.7	167.6	40,100	73.4	165.6	40,700*	65
70	68.2	166.5	35,000	69.9	165.6	35,800	71.5	163.6	36,700	70
75	66.3	164.3	31,500	68.0	163.4	32,200	69.7	161.4	33,000	75
80	64.5	161.9	28,400	66.2	161.0	29,100	67.8	158.9	29,800	80
85	62.6	159.3	25,800	64.3	158.4	26,400	65.9	156.3	27,000	85
90	60.7	156.5	23,400	62.4	155.6	24,000	64.0	153.5	24,600	90
100	56.8	150.2	19,500	58.4	149.3	20,000	59.9	147.0	20,500	100
110	52.7	142.9	16,400	54.3	141.9	16,800	55.7	139.6	17,200	110
120	48.3	134.4	13,800	49.9	133.3	14,200	51.2	130.8	14,500	120
130	43.6	124.5	11,600	45.1	123.3	11,900	46.4	120.5	12,200	130
140	38.4	112.6	9,800	39.9	111.3	10,000				140
150	32.6	98.2	8,200	34.0	96.6	8,400				150
160	25.6	79.5	6,800							160
150 Ft. BOOM										
35	80.9	187.1	59,000 *							35
40	79.3	186.1	59,000 *	80.9	185.3	58,400*				40
45	77.7	185.0	59,000 *	79.3	184.2	57,600*	81.0	182.3	47,700*	45
50	76.0	183.8	57,500	77.7	182.9	56,800*	79.4	181.0	45,900*	50
55	74.4	182.4	49,900	76.0	181.5	51,100	77.7	179.6	44,300*	55
60	72.8	180.8	43,900	74.4	180.0	44,900	76.0	178.0	42,800*	60
65	71.1	179.1	38,900	72.7	178.3	39,900	74.3	176.3	40,800	65
70	69.4	177.3	34,700	71.0	176.4	35,600	72.6	174.4	36,500	70
75	67.7	175.2	31,200	69.3	174.3	32,000	70.9	172.3	32,700	75
80	66.0	173.0	28,100	67.6	172.1	28,800	69.1	170.0	29,500	80
85	64.3	170.6	25,500	65.8	169.7	26,100	67.4	167.6	26,800	85
90	62.5	168.0	23,100	64.1	167.0	23,700	65.6	164.9	24,300	90
100	58.8	162.2	19,200	60.4	161.2	19,700	61.9	159.0	20,200	100
110	55.1	155.5	16,100	56.6	154.4	16,500	58.0	152.1	16,900	110
120	51.1	147.7	13,500	52.6	146.7	13,900	53.9	144.2	14,200	120
130	46.9	138.8	11,300	48.3	137.6	11,700	49.6	135.0	11,900	130
140	42.3	128.3	9,500	43.7	127.1	9,800	44.9	124.2	10,000	140
150	37.3	116.0	7,900	38.7	114.6	8,100				150
160	31.6	101.0	6,500	32.9	99.3	6,700				160
170	24.8	81.7	5,300							170



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	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	
160 Ft. BOOM										
40	79.8	196.3	59,000 *							40
45	78.3	195.3	59,000 *	79.9	194.4	57,400*				45
50	76.8	194.1	57,200	78.3	193.3	56,700*	79.9	191.3	46,500*	50
55	75.2	192.8	49,700	76.8	191.9	51,000	78.4	190.0	44,900*	55
60	73.7	191.3	43,600	75.2	190.5	44,800	76.8	188.5	43,500*	60
65	72.1	189.7	38,600	73.7	188.8	39,600	75.2	186.9	40,700	65
70	70.5	187.9	34,500	72.1	187.1	35,400	73.6	185.1	36,300	70
75	68.9	186.0	30,900	70.5	185.1	31,700	72.0	183.1	32,600	75
80	67.3	183.9	27,900	68.8	183.0	28,600	70.3	181.0	29,400	80
85	65.7	181.7	25,200	67.2	180.8	25,900	68.7	178.7	26,600	85
90	64.0	179.3	22,900	65.5	178.3	23,500	67.0	176.2	24,100	90
100	60.6	173.8	19,000	62.1	172.9	19,500	63.5	170.7	20,000	100
110	57.1	167.6	15,800	58.6	166.6	16,300	59.9	164.4	16,700	110
120	53.5	160.5	13,200	54.9	159.5	13,700	56.2	157.1	14,000	120
130	49.6	152.3	11,100	51.0	151.2	11,400	52.3	148.7	11,700	130
140	45.5	142.9	9,200	46.9	141.8	9,500	48.1	139.1	9,800	140
150	41.1	132.0	7,700	42.5	130.8	7,900	43.5	127.8	8,100	150
160	36.3	119.2	6,300	37.6	117.8	6,500				160
170	30.8	103.7	5,000	32.0	102.0	5,200				170
170 Ft. BOOM										
40	80.3	206.5	59,000 *							40
45	78.9	205.5	59,000 *	80.4	204.7	57,200*				45
50	77.4	204.4	57,000	78.9	203.5	56,400*	80.4	201.6	47,000*	50
55	76.0	203.1	49,400	77.5	202.3	50,700	79.0	200.3	45,500*	55
60	74.5	201.8	43,300	76.0	200.9	44,500	77.5	198.9	44,100*	60
65	73.0	200.2	38,300	74.5	199.4	39,400	76.0	197.4	40,400	65
70	71.5	198.6	34,200	73.0	197.7	35,100	74.5	195.7	36,000	70
75	70.0	196.8	30,600	71.5	195.9	31,500	72.9	193.8	32,300	75
80	68.5	194.8	27,500	70.0	193.9	28,300	71.4	191.8	29,100	80
85	67.0	192.7	24,900	68.4	191.8	25,600	69.8	189.7	26,300	85
90	65.4	190.4	22,500	66.8	189.5	23,200	68.2	187.4	23,900	90
100	62.2	185.3	18,600	63.7	184.4	19,200	65.0	182.2	19,800	100
110	59.0	179.5	15,500	60.4	178.5	16,000	61.7	176.3	16,500	110
120	55.6	172.9	12,900	56.9	171.9	13,400	58.2	169.5	13,700	120
130	52.0	165.4	10,800	53.4	164.3	11,100	54.6	161.9	11,500	130
140	48.3	156.8	8,900	49.6	155.7	9,200	50.8	153.1	9,500	140
150	44.3	147.0	7,300	45.6	145.8	7,600	46.7	143.0	7,800	150
160	40.0	135.7	5,900	41.3	134.3	6,200	42.3	131.3	6,400	160
170	35.3	122.4	4,700	36.5	120.9	4,900				170



Liftcrane Jib Capacities

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Jib No. 134 with 12 Ft. 6 in. Strut on
Boom No. 78
105,000 Lb. Counterweight
360 Degree Rating

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Requirements

777 SERIES 1

30 Ft. JIB

Jib Oper. Rad. Feet	5 Degree Offset			15 Degree Offset			25 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	
180 Ft. BOOM										
40	80.8	216.7	59,000 *							40
45	79.4	215.7	59,000 *	80.9	214.9	56,900*				45
50	78.0	214.7	56,700	79.5	213.8	56,200*	80.9	211.8	47,500*	50
55	76.7	213.5	49,100	78.1	212.6	50,500	79.5	210.6	46,000*	55
60	75.3	212.2	43,000	76.7	211.3	44,200	78.1	209.3	44,600*	60
65	73.9	210.7	38,000	75.3	209.8	39,100	76.7	207.8	40,200	65
70	72.4	209.1	33,800	73.8	208.2	34,800	75.2	206.2	35,800	70
75	71.0	207.4	30,200	72.4	206.5	31,200	73.8	204.5	32,100	75
80	69.6	205.5	27,200	71.0	204.6	28,000	72.3	202.6	28,800	80
85	68.1	203.5	24,500	69.5	202.6	25,300	70.8	200.6	26,000	85
90	66.7	201.4	22,200	68.0	200.5	22,900	69.4	198.4	23,600	90
100	63.7	196.6	18,300	65.0	195.7	18,900	66.3	193.5	19,500	100
110	60.6	191.2	15,100	61.9	190.2	15,600	63.2	188.0	16,100	110
120	57.4	185.0	12,500	58.7	184.0	13,000	60.0	181.7	13,400	120
130	54.1	178.0	10,400	55.4	176.9	10,800	56.6	174.6	11,100	130
140	50.7	170.1	8,500	52.0	169.0	8,900	53.1	166.5	9,200	140
150	47.1	161.1	6,900	48.3	160.0	7,200	49.4	157.3	7,500	150
160	43.2	150.9	5,500	44.4	149.7	5,800	45.4	146.8	6,000	160
170	39.0	139.2	4,300	40.2	137.8	4,500				170
190 Ft. BOOM										
45	79.9	225.9	59,000 *							45
50	78.6	224.9	56,300	80.0	224.0	55,800*				50
55	77.3	223.8	48,700	78.6	222.9	50,100	80.0	220.9	46,500*	55
60	75.9	222.5	42,600	77.3	221.6	43,800	78.7	219.6	45,100*	60
65	74.6	221.1	37,500	75.9	220.3	38,700	77.3	218.3	39,800	65
70	73.3	219.6	33,300	74.6	218.7	34,400	75.9	216.7	35,400	70
75	71.9	218.0	29,700	73.2	217.1	30,700	74.6	215.1	31,700	75
80	70.5	216.2	26,700	71.9	215.3	27,600	73.2	213.3	28,400	80
85	69.2	214.3	24,000	70.5	213.4	24,800	71.8	211.4	25,600	85
90	67.8	212.3	21,600	69.1	211.4	22,400	70.4	209.3	23,100	90
100	64.9	207.8	17,700	66.2	206.8	18,400	67.5	204.7	19,000	100
110	62.0	202.6	14,600	63.3	201.7	15,100	64.5	199.5	15,700	110
120	59.1	196.8	12,000	60.3	195.8	12,500	61.5	193.6	12,900	120
130	56.0	190.3	9,800	57.2	189.3	10,200	58.4	186.9	10,600	130
140	52.8	183.0	8,000	54.0	181.9	8,300	55.1	179.4	8,700	140
150	49.4	174.7	6,400	50.6	173.6	6,700	51.7	171.0	7,000	150
160	45.9	165.4	5,000	47.1	164.2	5,300	48.1	161.4	5,500	160
170				43.3	153.5	4,000	44.2	150.6	4,200	170



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Boom No. 78
105,000 Lb. Counterweight
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Requirements

777 SERIES 1

40 Ft. JIB

Jib Oper. Rad. Feet	5 Degree Offset			15 Degree Offset			25 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	
80 Ft. BOOM										
30	79.4	126.9	52,400 *							30
35	77.0	125.6	50,700 *	80.3	124.6	46,300*				35
40	74.6	124.2	49,200 *	77.9	123.2	45,100*				40
45	72.1	122.5	47,800 *	75.4	121.5	44,000*	78.7	119.2	36,300*	45
50	69.6	120.6	46,500 *	72.8	119.5	42,900*	76.1	117.2	34,400*	50
55	67.0	118.4	45,200 *	70.2	117.3	42,000*	73.5	115.0	32,700*	55
60	64.4	115.9	44,100 *	67.6	114.8	41,100*	70.8	112.4	31,200*	60
65	61.7	113.2	41,400	64.9	112.0	40,300*	68.0	109.6	29,900*	65
70	59.0	110.1	37,300	62.1	108.9	38,000	65.2	106.4	28,700*	70
75	56.1	106.7	33,700	59.2	105.5	34,400	62.2	102.9	27,600*	75
80	53.2	102.9	30,700	56.2	101.6	31,300	59.1	98.9	26,600*	80
85	50.1	98.6	28,000	53.1	97.3	28,600	55.9	94.5	25,700*	85
90	46.9	93.9	25,700	49.9	92.5	26,200	52.5	89.5	25,000*	90
100	39.8	82.5	21,800	42.6	80.9	22,100	45.0	77.4	22,400	100
110	31.3	67.5	18,600	33.9	65.5	18,800				110
90 Ft. BOOM										
30	80.2	137.1	53,000 *							30
35	78.0	136.0	51,400 *							35
40	75.8	134.6	49,900 *	78.8	133.6	45,500*				40
45	73.5	133.1	48,600 *	76.5	132.0	44,500*	79.6	129.7	36,900*	45
50	71.2	131.3	47,300 *	74.2	130.2	43,500*	77.3	127.9	35,100*	50
55	68.9	129.3	46,100 *	71.9	128.2	42,600*	74.9	125.9	33,500*	55
60	66.5	127.1	45,000 *	69.5	126.0	41,700*	72.4	123.5	32,000*	60
65	64.1	124.6	41,100	67.0	123.4	40,900*	69.9	121.0	30,700*	65
70	61.6	121.8	37,000	64.5	120.7	37,800	67.4	118.1	29,500*	70
75	59.1	118.8	33,400	61.9	117.6	34,200	64.7	115.0	28,400*	75
80	56.4	115.4	30,400	59.3	114.1	31,100	62.0	111.5	27,500*	80
85	53.7	111.6	27,700	56.6	110.4	28,300	59.2	107.6	26,600*	85
90	50.9	107.5	25,400	53.7	106.2	26,000	56.3	103.3	25,800*	90
100	44.9	97.9	21,500	47.6	96.4	21,900	50.0	93.2	22,300	100
110	38.1	85.9	18,300	40.7	84.2	18,700				110
120	30.0	70.0	15,700	32.3	67.9	15,900				120



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Boom No. 78
105,000 Lb. Counterweight
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Requirements

777 SERIES 1

40 Ft. JIB

Jib Oper. Rad. Feet	5 Degree Offset			15 Degree Offset			25 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	
100 Ft. BOOM										
30	80.9	147.3	53,600 *							30
35	78.9	146.2	52,100 *							35
40	76.8	145.0	50,600 *	79.6	143.9	45,900*				40
45	74.7	143.6	49,300 *	77.5	142.5	44,900*	80.4	140.1	37,500*	45
50	72.6	141.9	48,100 *	75.4	140.8	43,900*	78.2	138.5	35,800*	50
55	70.4	140.1	46,900 *	73.2	139.0	43,100*	76.0	136.6	34,200*	55
60	68.3	138.0	45,800 *	71.0	136.9	42,200*	73.8	134.5	32,800*	60
65	66.1	135.8	40,800	68.8	134.6	41,500*	71.5	132.1	31,500*	65
70	63.8	133.2	36,700	66.5	132.1	37,500	69.2	129.5	30,300*	70
75	61.5	130.5	33,100	64.2	129.3	33,900	66.8	126.7	29,200*	75
80	59.1	127.4	30,100	61.8	126.2	30,800	64.4	123.5	28,300*	80
85	56.7	124.1	27,400	59.3	122.8	28,100	61.9	120.1	27,400*	85
90	54.2	120.4	25,100	56.8	119.1	25,700	59.3	116.3	26,200	90
100	48.9	112.0	21,200	51.5	110.6	21,600	53.8	107.5	22,100	100
110	43.2	101.8	18,000	45.6	100.2	18,400	47.7	96.8	18,700	110
120	36.7	89.1	15,400	39.0	87.3	15,700				120
130	28.8	72.5	13,200							130
110 Ft. BOOM										
35	79.6	156.5	52,600 *							35
40	77.7	155.3	51,200 *	80.3	154.2	46,300*				40
45	75.7	154.0	49,900 *	78.4	152.9	45,300*				45
50	73.8	152.5	48,700 *	76.4	151.4	44,400*	79.1	148.9	36,400*	50
55	71.8	150.8	47,600 *	74.4	149.6	43,500*	77.0	147.2	34,800*	55
60	69.8	148.9	45,500	72.4	147.7	42,700*	75.0	145.3	33,400*	60
65	67.7	146.8	40,600	70.3	145.6	41,600	72.9	143.1	32,200*	65
70	65.7	144.5	36,400	68.2	143.3	37,300	70.7	140.7	31,000*	70
75	63.5	141.9	32,800	66.1	140.7	33,700	68.6	138.1	30,000*	75
80	61.4	139.1	29,800	63.9	137.9	30,600	66.3	135.2	29,000*	80
85	59.2	136.1	27,100	61.7	134.8	27,800	64.1	132.1	28,100*	85
90	56.9	132.8	24,800	59.4	131.5	25,400	61.7	128.7	26,100	90
100	52.2	125.2	20,900	54.6	123.9	21,400	56.8	120.9	21,900	100
110	47.2	116.3	17,700	49.5	114.8	18,200	51.6	111.5	18,600	110
120	41.6	105.5	15,100	43.9	103.8	15,500	45.8	100.2	15,800	120
130	35.3	92.2	13,000	37.5	90.2	13,200				130
140	27.8	74.8	11,100							140



Liftcrane Jib Capacities

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Boom No. 78
105,000 Lb. Counterweight
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Requirements

777 SERIES 1

40 Ft. JIB

Jib Oper. Rad. Feet	5 Degree Offset			15 Degree Offset			25 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	
120 Ft. BOOM										
35	80.3	166.7	53,100 *							35
40	78.5	165.6	51,800 *	80.9	164.5	46,600*				40
45	76.7	164.3	50,500 *	79.1	163.2	45,600*				45
50	74.8	162.9	49,400 *	77.3	161.8	44,800*	79.8	159.4	36,900*	50
55	73.0	161.4	48,300 *	75.4	160.2	43,900*	77.9	157.7	35,400*	55
60	71.1	159.6	45,400	73.5	158.4	43,200*	76.0	155.9	34,100*	60
65	69.2	157.6	40,400	71.6	156.5	41,400	74.0	153.9	32,800*	65
70	67.3	155.5	36,200	69.7	154.3	37,200	72.0	151.7	31,700*	70
75	65.3	153.1	32,600	67.7	151.9	33,500	70.0	149.3	30,700*	75
80	63.3	150.6	29,600	65.7	149.3	30,400	68.0	146.7	29,700*	80
85	61.3	147.8	26,900	63.7	146.5	27,700	65.9	143.8	28,400	85
90	59.2	144.8	24,600	61.6	143.5	25,300	63.8	140.7	25,900	90
100	55.0	137.9	20,700	57.2	136.6	21,200	59.4	133.6	21,800	100
110	50.4	129.9	17,500	52.7	128.4	18,000	54.7	125.3	18,400	110
120	45.6	120.4	14,900	47.7	118.8	15,300	49.6	115.4	15,700	120
130	40.2	109.0	12,700	42.3	107.3	13,100	44.0	103.5	13,300	130
140	34.2	95.1	10,900	36.1	93.1	11,100				140
150	26.9	77.1	9,200							150
130 Ft. BOOM										
35	80.8	176.8	53,500 *							35
40	79.2	175.8	52,300 *							40
45	77.4	174.7	51,000 *	79.8	173.5	46,000*				45
50	75.7	173.3	49,900 *	78.0	172.2	45,100*	80.4	169.7	37,400*	50
55	74.0	171.9	48,900 *	76.3	170.7	44,300*	78.6	168.2	35,900*	55
60	72.2	170.2	45,100	74.5	169.0	43,600*	76.8	166.5	34,600*	60
65	70.5	168.4	40,100	72.7	167.2	41,200	75.0	164.6	33,400*	65
70	68.7	166.4	35,900	70.9	165.2	36,900	73.2	162.6	32,300*	70
75	66.9	164.2	32,300	69.1	163.0	33,300	71.3	160.3	31,300*	75
80	65.0	161.8	29,300	67.2	160.6	30,100	69.4	157.9	30,300*	80
85	63.1	159.2	26,600	65.4	158.0	27,400	67.5	155.3	28,200	85
90	61.2	156.4	24,300	63.4	155.2	25,000	65.6	152.4	25,700	90
100	57.3	150.2	20,400	59.5	148.8	21,000	61.5	145.9	21,600	100
110	53.2	142.9	17,200	55.3	141.4	17,700	57.3	138.4	18,200	110
120	48.8	134.3	14,600	50.9	132.8	15,100	52.7	129.6	15,400	120
130	44.1	124.4	12,500	46.1	122.7	12,800	47.8	119.2	13,100	130
140	38.9	112.5	10,600	40.9	110.7	10,900				140
150	33.1	98.0	9,000	34.9	95.9	9,200				150
160	26.0	79.3	7,600							160



Liftcrane Jib Capacities

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Boom No. 78
105,000 Lb. Counterweight
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Meets
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Requirements

777 SERIES 1

40 Ft. JIB

Jib Oper. Rad. Feet	5 Degree Offset			15 Degree Offset			25 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	
140 Ft. BOOM										
40	79.8	186.0	52,700 *							40
45	78.1	185.0	51,500 *	80.3	183.8	46,200*				45
50	76.5	183.7	50,400 *	78.7	182.5	45,400*	81.0	180.0	37,800*	50
55	74.9	182.3	49,400 *	77.1	181.1	44,700*	79.3	178.6	36,400*	55
60	73.2	180.8	44,800	75.4	179.6	43,900*	77.6	177.0	35,200*	60
65	71.6	179.0	39,800	73.7	177.9	41,000	75.9	175.3	34,000*	65
70	69.9	177.2	35,600	72.0	176.0	36,700	74.2	173.4	32,900*	70
75	68.2	175.1	32,000	70.3	173.9	33,000	72.5	171.3	31,900*	75
80	66.5	172.9	28,900	68.6	171.7	29,800	70.7	169.0	30,700	80
85	64.7	170.5	26,300	66.8	169.2	27,100	68.9	166.5	27,900	85
90	63.0	167.9	23,900	65.1	166.6	24,700	67.1	163.9	25,400	90
100	59.3	162.1	20,000	61.4	160.8	20,600	63.4	157.9	21,300	100
110	55.5	155.4	16,800	57.6	154.0	17,400	59.5	151.0	17,900	110
120	51.6	147.6	14,200	53.5	146.2	14,700	55.3	143.0	15,100	120
130	47.3	138.7	12,100	49.3	137.1	12,500	51.0	133.7	12,800	130
140	42.8	128.2	10,200	44.7	126.5	10,500	46.2	122.8	10,800	140
150	37.8	115.8	8,600	39.6	113.9	8,900				150
160	32.1	100.8	7,200	33.8	98.6	7,400				160
170	25.2	81.5	5,900							170
150 Ft. BOOM										
40	80.3	196.2	52,500 *							40
45	78.8	195.2	51,600 *	80.9	194.0	46,500*				45
50	77.2	194.0	50,700 *	79.3	192.9	45,700*				50
55	75.7	192.7	49,900 *	77.8	191.5	45,000*	79.9	189.0	36,900*	55
60	74.1	191.2	44,500	76.2	190.1	44,300*	78.3	187.5	35,600*	60
65	72.6	189.6	39,500	74.6	188.4	40,700	76.7	185.8	34,500*	65
70	71.0	187.9	35,300	73.0	186.7	36,400	75.1	184.0	33,400*	70
75	69.4	185.9	31,700	71.4	184.7	32,700	73.5	182.1	32,400*	75
80	67.8	183.9	28,600	69.8	182.6	29,600	71.8	179.9	30,500	80
85	66.2	181.6	25,900	68.2	180.3	26,800	70.1	177.6	27,700	85
90	64.5	179.2	23,600	66.5	177.9	24,400	68.4	175.1	25,200	90
100	61.1	173.8	19,700	63.1	172.4	20,400	65.0	169.6	21,000	100
110	57.6	167.5	16,500	59.5	166.2	17,100	61.3	163.2	17,700	110
120	53.9	160.4	13,900	55.8	159.0	14,400	57.6	155.8	14,900	120
130	50.1	152.2	11,700	51.9	150.7	12,200	53.6	147.4	12,600	130
140	46.0	142.8	9,900	47.8	141.2	10,300	49.4	137.7	10,600	140
150	41.6	131.9	8,300	43.3	130.2	8,600	44.8	126.3	8,900	150
160	36.7	119.1	6,900	38.4	117.1	7,100				160
170	31.2	103.5	5,600	32.8	101.2	5,800				170
180	24.5	83.6	4,500							180



Liftcrane Jib Capacities

New York City Code
Jib No. 134 with 12 Ft. 6 in. Strut on
Boom No. 78
105,000 Lb. Counterweight
360 Degree Rating

Meets
ANSI B30.5
Requirements

777 SERIES 1

40 Ft. JIB

Jib Oper. Rad. Feet	5 Degree Offset			15 Degree Offset			25 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	
160 Ft. BOOM										
40	80.8	206.4	52,300 *							40
45	79.3	205.4	51,400 *							45
50	77.9	204.3	50,600 *	79.9	203.1	46,000*				50
55	76.4	203.1	49,900 *	78.4	201.9	45,300*	80.4	199.3	37,300*	55
60	75.0	201.7	44,300	76.9	200.5	44,600*	78.9	197.9	36,100*	60
65	73.5	200.2	39,200	75.4	198.9	40,500	77.4	196.3	35,000*	65
70	72.0	198.5	35,000	73.9	197.3	36,200	75.9	194.6	33,900*	70
75	70.5	196.7	31,400	72.4	195.4	32,500	74.3	192.8	32,900*	75
80	68.9	194.7	28,400	70.9	193.5	29,300	72.8	190.8	30,300	80
85	67.4	192.6	25,700	69.3	191.3	26,600	71.2	188.6	27,500	85
90	65.9	190.3	23,300	67.8	189.0	24,200	69.6	186.3	25,000	90
100	62.7	185.2	19,400	64.5	183.9	20,100	66.4	181.1	20,800	100
110	59.4	179.4	16,200	61.2	178.1	16,900	63.0	175.1	17,500	110
120	56.0	172.8	13,600	57.8	171.4	14,200	59.5	168.3	14,700	120
130	52.4	165.3	11,500	54.2	163.8	11,900	55.9	160.6	12,400	130
140	48.7	156.7	9,600	50.5	155.1	10,000	52.0	151.7	10,400	140
150	44.7	146.9	8,000	46.5	145.2	8,400	47.9	141.5	8,700	150
160	40.5	135.5	6,600	42.1	133.7	6,900	43.4	129.7	7,100	160
170	35.7	122.2	5,400	37.3	120.2	5,600				170
180	30.4	106.1	4,300	31.8	103.8	4,500				180
170 Ft. BOOM										
45	79.8	215.6	51,200 *							45
50	78.5	214.6	50,500 *	80.4	213.4	46,200*				50
55	77.1	213.4	49,700 *	79.0	212.2	45,500*	80.9	209.6	37,700*	55
60	75.7	212.1	44,000	77.6	210.9	44,900*	79.5	208.2	36,500*	60
65	74.3	210.6	38,900	76.1	209.4	40,300	78.0	206.8	35,400*	65
70	72.9	209.0	34,700	74.7	207.8	35,900	76.6	205.2	34,400*	70
75	71.4	207.3	31,100	73.3	206.1	32,200	75.1	203.4	33,400*	75
80	70.0	205.5	28,000	71.8	204.2	29,100	73.7	201.5	30,100	80
85	68.5	203.5	25,400	70.4	202.2	26,300	72.2	199.5	27,300	85
90	67.1	201.3	23,000	68.9	200.0	23,900	70.7	197.3	24,800	90
100	64.1	196.5	19,100	65.9	195.2	19,800	67.6	192.4	20,600	100
110	61.0	191.1	15,900	62.8	189.7	16,600	64.5	186.8	17,200	110
120	57.8	184.9	13,300	59.6	183.5	13,900	61.2	180.5	14,400	120
130	54.5	177.9	11,100	56.2	176.4	11,600	57.8	173.3	12,100	130
140	51.1	170.0	9,300	52.8	168.5	9,700	54.3	165.1	10,100	140
150	47.5	161.0	7,700	49.1	159.4	8,100	50.5	155.9	8,400	150
160	43.6	150.8	6,300	45.2	149.1	6,600	46.5	145.3	6,900	160
170	39.4	139.1	5,100	41.0	137.2	5,300				170
180	34.8	125.3	4,000	36.3	123.2	4,200				180



Liftcrane Jib Capacities

New York City Code
Jib No. 134 with 12 Ft. 6 in. Strut on
Boom No. 78
105,000 Lb. Counterweight
360 Degree Rating

Meets
ANSI B30.5
Requirements

777 SERIES 1

40 Ft. JIB

Jib Oper. Rad. Feet	5 Degree Offset			15 Degree Offset			25 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	
180 Ft. BOOM										
45	80.3	225.8	50,900 *							45
50	79.0	224.8	50,200 *	80.8	223.6	46,400*				50
55	77.7	223.7	49,500 *	79.5	222.5	45,800*				55
60	76.3	222.4	43,700	78.1	221.2	45,100*	80.0	218.6	36,900*	60
65	75.0	221.1	38,600	76.8	219.8	40,000	78.6	217.2	35,800*	65
70	73.7	219.5	34,400	75.4	218.3	35,700	77.2	215.6	34,800*	70
75	72.3	217.9	30,800	74.1	216.7	32,000	75.8	214.0	33,100	75
80	70.9	216.1	27,700	72.7	214.9	28,800	74.4	212.2	29,900	80
85	69.6	214.2	25,000	71.3	213.0	26,000	73.0	210.2	27,000	85
90	68.2	212.2	22,600	69.9	210.9	23,600	71.6	208.2	24,500	90
100	65.3	207.7	18,700	67.1	206.4	19,500	68.7	203.5	20,300	100
110	62.4	202.5	15,500	64.1	201.2	16,200	65.8	198.3	16,900	110
120	59.4	196.7	12,900	61.1	195.4	13,500	62.7	192.4	14,100	120
130	56.4	190.2	10,700	58.0	188.8	11,300	59.6	185.7	11,800	130
140	53.2	182.9	8,900	54.8	181.4	9,300	56.3	178.1	9,800	140
150	49.8	174.6	7,300	51.4	173.0	7,700	52.8	169.6	8,100	150
160	46.3	165.2	5,900	47.9	163.6	6,200	49.2	160.0	6,500	160
170	42.5	154.7	4,700	44.1	152.9	5,000	45.3	149.0	5,200	170
190 Ft. BOOM										
45	80.7	236.0	50,500 *							45
50	79.5	235.0	49,800 *							50
55	78.2	233.9	49,200 *	79.9	232.7	46,000*				55
60	76.9	232.8	43,200	78.7	231.5	44,900	80.4	228.9	37,300*	60
65	75.7	231.4	38,100	77.4	230.2	39,600	79.1	227.5	36,200*	65
70	74.4	230.0	33,900	76.1	228.8	35,300	77.8	226.1	35,200*	70
75	73.1	228.4	30,300	74.8	227.2	31,500	76.5	224.5	32,800	75
80	71.8	226.8	27,200	73.5	225.5	28,300	75.2	222.8	29,500	80
85	70.5	225.0	24,500	72.2	223.7	25,600	73.8	220.9	26,600	85
90	69.2	223.0	22,100	70.8	221.7	23,100	72.5	219.0	24,100	90
100	66.5	218.7	18,200	68.1	217.4	19,000	69.7	214.6	19,900	100
110	63.7	213.9	15,000	65.4	212.5	15,700	66.9	209.6	16,500	110
120	60.9	208.4	12,400	62.5	207.0	13,000	64.1	204.0	13,700	120
130	58.0	202.2	10,200	59.6	200.8	10,800	61.1	197.7	11,300	130
140	55.0	195.4	8,300	56.6	193.9	8,800	58.0	190.7	9,300	140
150	51.9	187.7	6,700	53.5	186.1	7,200	54.8	182.8	7,600	150
160	48.6	179.0	5,300	50.2	177.4	5,700	51.5	173.9	6,100	160
170	45.2	169.4	4,100	46.7	167.7	4,500	47.9	163.9	4,700	170



Liftcrane Jib Capacities

New York City Code
Jib No. 134 with 12 Ft. 6 in. Strut on
Boom No. 78
105,000 Lb. Counterweight
360 Degree Rating

Meets
ANSI B30.5
Requirements

777 SERIES 1

50 Ft. JIB

Jib Oper. Rad. Feet	5 Degree Offset			15 Degree Offset			25 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	
80 Ft. BOOM										
30	80.6	137.1	43,300 *							30
35	78.4	135.9	42,000 *							35
40	76.2	134.6	40,700 *	80.0	133.5	37,300*				40
45	73.9	133.1	39,500 *	77.7	131.9	36,400*				45
50	71.6	131.3	38,400 *	75.4	130.1	35,500*	79.3	127.5	30,900*	50
55	69.3	129.3	37,400 *	73.0	128.1	34,700*	76.9	125.5	29,200*	55
60	66.9	127.1	36,500 *	70.6	125.9	33,900*	74.4	123.2	27,700*	60
65	64.5	124.6	35,600 *	68.2	123.3	33,200*	71.9	120.6	26,300*	65
70	62.0	121.8	34,800 *	65.7	120.5	32,500*	69.4	117.7	25,100*	70
75	59.4	118.7	34,000 *	63.1	117.4	31,500*	66.7	114.6	24,000*	75
80	56.8	115.4	31,100	60.4	114.0	29,900*	64.0	111.0	23,000*	80
85	54.1	111.6	28,500	57.7	110.2	28,400*	61.2	107.1	22,100*	85
90	51.3	107.5	26,100	54.9	106.1	26,800	58.2	102.8	21,300*	90
100	45.3	97.9	22,200	48.7	96.3	22,700	51.9	92.7	19,900*	100
110	38.5	85.9	19,100	41.8	84.0	19,400	44.6	79.8	18,900*	110
120	30.4	70.0	16,400	33.4	67.7	16,700				120
90 Ft. BOOM										
35	79.2	146.2	42,400 *							35
40	77.2	145.0	41,300 *	80.7	143.8	37,600*				40
45	75.1	143.6	40,100 *	78.6	142.4	36,700*				45
50	72.9	141.9	39,100 *	76.5	140.7	35,900*	80.1	138.1	31,600*	50
55	70.8	140.1	38,100 *	74.3	138.9	35,100*	77.9	136.2	29,900*	55
60	68.6	138.0	37,200 *	72.1	136.8	34,400*	75.7	134.0	28,400*	60
65	66.4	135.8	36,300 *	69.9	134.5	33,700*	73.4	131.7	27,000*	65
70	64.1	133.2	35,500 *	67.6	131.9	33,000*	71.0	129.1	25,800*	70
75	61.8	130.5	33,900	65.2	129.1	32,400*	68.6	126.2	24,800*	75
80	59.5	127.4	30,800	62.9	126.1	31,400*	66.2	123.0	23,800*	80
85	57.1	124.1	28,200	60.4	122.7	28,900	63.7	119.6	22,900*	85
90	54.6	120.4	25,800	57.9	119.0	26,500	61.1	115.8	22,100*	90
100	49.3	112.0	21,900	52.5	110.4	22,500	55.6	106.9	20,700*	100
110	43.5	101.8	18,800	46.7	100.0	19,200	49.5	96.1	19,500*	110
120	37.0	89.1	16,200	40.0	87.0	16,500				120
130	29.2	72.5	13,900	31.9	69.9	14,200				130



Liftcrane Jib Capacities

New York City Code
Jib No. 134 with 12 Ft. 6 in. Strut on
Boom No. 78
105,000 Lb. Counterweight
360 Degree Rating

Meets
ANSI B30.5
Requirements

777 SERIES 1

50 Ft. JIB

Jib Oper. Rad. Feet	5 Degree Offset			15 Degree Offset			25 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	
100 Ft. BOOM										
35	80.0	156.4	42,900 *							35
40	78.0	155.3	41,800 *							40
45	76.1	154.0	40,700 *	79.4	152.7	37,100*				45
50	74.1	152.5	39,600 *	77.4	151.2	36,300*	80.8	148.5	32,100*	50
55	72.1	150.8	38,700 *	75.4	149.5	35,500*	78.8	146.7	30,500*	55
60	70.1	148.9	37,800 *	73.4	147.6	34,800*	76.7	144.8	29,000*	60
65	68.1	146.8	36,900 *	71.3	145.5	34,100*	74.6	142.6	27,700*	65
70	66.0	144.4	36,100 *	69.2	143.1	33,500*	72.4	140.2	26,500*	70
75	63.9	141.9	33,500	67.1	140.6	32,900*	70.3	137.6	25,500*	75
80	61.7	139.1	30,500	64.9	137.7	31,400	68.0	134.7	24,500*	80
85	59.5	136.1	27,800	62.7	134.7	28,600	65.8	131.6	23,600*	85
90	57.3	132.8	25,500	60.4	131.3	26,200	63.4	128.1	22,800*	90
100	52.5	125.2	21,600	55.6	123.7	22,200	58.5	120.3	21,400*	100
110	47.5	116.3	18,400	50.5	114.6	18,900	53.2	110.9	19,400	110
120	41.9	105.5	15,800	44.8	103.6	16,200	47.3	99.5	16,600	120
130	35.7	92.1	13,600	38.4	90.0	13,900				130
140	28.1	74.8	11,700							140
110 Ft. BOOM										
35	80.6	166.6	43,300 *							35
40	78.8	165.6	42,200 *							40
45	77.0	164.3	41,200 *	80.1	163.1	37,300*				45
50	75.1	162.9	40,200 *	78.2	161.7	36,600*				50
55	73.3	161.3	39,200 *	76.3	160.1	35,800*	79.5	157.2	31,100*	55
60	71.4	159.6	38,400 *	74.4	158.3	35,200*	77.6	155.4	29,600*	60
65	69.5	157.6	37,500 *	72.5	156.3	34,500*	75.6	153.4	28,400*	65
70	67.6	155.5	36,700 *	70.6	154.1	33,900*	73.7	151.2	27,200*	70
75	65.6	153.1	33,200	68.6	151.8	33,300*	71.6	148.8	26,100*	75
80	63.6	150.6	30,200	66.6	149.2	31,100	69.6	146.1	25,200*	80
85	61.6	147.8	27,500	64.6	146.4	28,400	67.5	143.2	24,300*	85
90	59.5	144.7	25,200	62.5	143.3	26,000	65.4	140.1	23,500*	90
100	55.3	137.9	21,300	58.2	136.4	21,900	60.9	133.0	22,000*	100
110	50.7	129.9	18,100	53.6	128.2	18,700	56.2	124.6	19,200	110
120	45.9	120.4	15,500	48.6	118.6	16,000	51.1	114.7	16,400	120
130	40.5	109.0	13,300	43.2	107.1	13,700	45.4	102.7	14,000	130
140	34.5	95.1	11,500	37.0	92.8	11,700				140
150	27.2	77.1	9,800							150



Liftcrane Jib Capacities

New York City Code
Jib No. 134 with 12 Ft. 6 in. Strut on
Boom No. 78
105,000 Lb. Counterweight
360 Degree Rating

Meets
ANSI B30.5
Requirements

777 SERIES 1

50 Ft. JIB

Jib Oper. Rad. Feet	5 Degree Offset			15 Degree Offset			25 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	
120 Ft. BOOM										
40	79.4	175.8	42,600 *							40
45	77.7	174.7	41,600 *	80.7	173.4	37,600*				45
50	76.0	173.3	40,600 *	78.9	172.0	36,900*				50
55	74.3	171.8	39,700 *	77.2	170.5	36,200*	80.2	167.7	31,600*	55
60	72.5	170.2	38,900 *	75.4	168.9	35,500*	78.4	166.0	30,200*	60
65	70.8	168.4	38,100 *	73.6	167.0	34,900*	76.5	164.1	28,900*	65
70	69.0	166.4	36,600	71.8	165.0	34,300*	74.7	162.0	27,800*	70
75	67.1	164.2	33,000	70.0	162.8	33,700*	72.8	159.8	26,700*	75
80	65.3	161.8	29,900	68.1	160.4	30,900	70.9	157.3	25,800*	80
85	63.4	159.2	27,300	66.2	157.8	28,200	69.0	154.7	24,900*	85
90	61.5	156.4	24,900	64.3	155.0	25,800	67.0	151.8	24,100*	90
100	57.6	150.1	21,000	60.3	148.6	21,700	63.0	145.3	22,400	100
110	53.5	142.8	17,900	56.2	141.2	18,500	58.7	137.7	19,000	110
120	49.1	134.3	15,300	51.7	132.6	15,800	54.1	128.8	16,300	120
130	44.4	124.3	13,100	47.0	122.5	13,500	49.2	118.4	13,900	130
140	39.2	112.5	11,200	41.7	110.4	11,600	43.7	105.8	11,900	140
150	33.4	98.0	9,600	35.7	95.6	9,900				150
160	26.3	79.3	8,200							160
130 Ft. BOOM										
40	80.0	186.0	43,000 *							40
45	78.4	184.9	42,000 *							45
50	76.8	183.7	41,100 *	79.6	182.4	37,100*				50
55	75.2	182.3	40,200 *	77.9	181.0	36,400*	80.7	178.0	32,100*	55
60	73.5	180.7	39,400 *	76.2	179.4	35,800*	79.1	176.4	30,700*	60
65	71.9	179.0	38,600 *	74.6	177.7	35,200*	77.3	174.7	29,500*	65
70	70.2	177.2	36,300	72.9	175.8	34,600*	75.6	172.8	28,300*	70
75	68.5	175.1	32,700	71.2	173.7	33,900	73.9	170.7	27,300*	75
80	66.8	172.9	29,600	69.4	171.5	30,700	72.1	168.4	26,400*	80
85	65.0	170.5	27,000	67.7	169.0	27,900	70.3	165.9	25,500*	85
90	63.2	167.9	24,600	65.9	166.4	25,500	68.5	163.2	24,700*	90
100	59.6	162.1	20,700	62.2	160.6	21,500	64.7	157.2	22,200	100
110	55.8	155.3	17,600	58.4	153.8	18,200	60.8	150.3	18,800	110
120	51.8	147.6	15,000	54.4	145.9	15,500	56.7	142.2	16,000	120
130	47.6	138.6	12,800	50.1	136.9	13,200	52.3	132.9	13,700	130
140	43.1	128.2	10,900	45.5	126.2	11,300	47.5	121.9	11,700	140
150	38.0	115.8	9,300	40.4	113.7	9,600				150
160	32.4	100.8	7,900	34.5	98.3	8,100				160
170	25.5	81.4	6,600							170



Liftcrane Jib Capacities

777 SERIES 1

New York City Code
Jib No. 134 with 12 Ft. 6 in. Strut on
Boom No. 78
105,000 Lb. Counterweight
360 Degree Rating

Meets
ANSI B30.5
Requirements

50 Ft. JIB

Jib Oper. Rad. Feet	5 Degree Offset			15 Degree Offset			25 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	
140 Ft. BOOM										
40	80.6	196.2	43,300 *							40
45	79.0	195.2	42,400 *							45
50	77.5	194.0	41,500 *	80.1	192.7	37,300*				50
55	76.0	192.7	40,600 *	78.6	191.3	36,700*				55
60	74.4	191.2	39,800 *	77.0	189.9	36,100*	79.7	186.9	31,200*	60
65	72.8	189.6	39,000 *	75.4	188.2	35,500*	78.1	185.2	30,000*	65
70	71.3	187.8	35,900	73.8	186.5	34,900*	76.4	183.4	28,900*	70
75	69.7	185.9	32,400	72.2	184.5	33,600	74.8	181.4	27,800*	75
80	68.0	183.8	29,300	70.6	182.4	30,400	73.1	179.3	26,900*	80
85	66.4	181.6	26,600	68.9	180.1	27,600	71.5	177.0	26,000*	85
90	64.8	179.2	24,300	67.3	177.7	25,200	69.8	174.5	25,200*	90
100	61.4	173.7	20,300	63.8	172.2	21,100	66.3	168.9	21,900	100
110	57.8	167.5	17,200	60.3	165.9	17,900	62.6	162.5	18,500	110
120	54.2	160.4	14,600	56.6	158.7	15,200	58.9	155.1	15,700	120
130	50.3	152.2	12,400	52.7	150.5	12,900	54.9	146.6	13,400	130
140	46.2	142.8	10,500	48.6	140.9	11,000	50.6	136.8	11,400	140
150	41.8	131.9	8,900	44.1	129.9	9,300	46.0	125.4	9,600	150
160	37.0	119.1	7,500	39.1	116.8	7,800				160
170	31.4	103.5	6,300	33.5	100.8	6,500				170
180	24.8	83.5	5,100							180
150 Ft. BOOM										
40	81.0	206.4	43,600 *							40
45	79.6	205.4	42,700 *							45
50	78.1	204.3	41,800 *	80.6	202.9	37,600*				50
55	76.7	203.0	41,000 *	79.1	201.7	36,900*				55
60	75.2	201.7	40,200 *	77.7	200.3	36,300*	80.2	197.3	31,600*	60
65	73.7	200.1	39,500 *	76.2	198.7	35,700*	78.7	195.7	30,400*	65
70	72.2	198.5	35,600	74.7	197.1	35,200*	77.2	194.0	29,300*	70
75	70.7	196.7	32,100	73.1	195.2	33,300	75.6	192.1	28,300*	75
80	69.2	194.7	29,000	71.6	193.3	30,100	74.0	190.1	27,400*	80
85	67.7	192.6	26,300	70.1	191.1	27,400	72.5	187.9	26,500*	85
90	66.1	190.3	23,900	68.5	188.8	24,900	70.9	185.6	25,700*	90
100	62.9	185.2	20,000	65.3	183.7	20,900	67.6	180.4	21,700	100
110	59.6	179.4	16,800	62.0	177.8	17,600	64.2	174.4	18,300	110
120	56.2	172.8	14,200	58.5	171.1	14,900	60.7	167.6	15,500	120
130	52.7	165.2	12,000	55.0	163.5	12,600	57.1	159.8	13,100	130
140	49.0	156.7	10,200	51.2	154.9	10,700	53.2	150.9	11,100	140
150	45.0	146.9	8,600	47.2	144.9	9,000	49.0	140.6	9,400	150
160	40.7	135.5	7,200	42.8	133.4	7,500	44.5	128.7	7,800	160
170	36.0	122.2	5,900	38.0	119.8	6,200				170
180	30.6	106.1	4,800	32.5	103.4	5,100				180



Liftcrane Jib Capacities

New York City Code
Jib No. 134 with 12 Ft. 6 in. Strut on
Boom No. 78
105,000 Lb. Counterweight
360 Degree Rating

Meets
ANSI B30.5
Requirements

777 SERIES 1

50 Ft. JIB

Jib Oper. Rad. Feet	5 Degree Offset			15 Degree Offset			25 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	
160 Ft. BOOM										
45	80.1	215.6	43,000 *							45
50	78.7	214.6	42,200 *							50
55	77.3	213.4	41,400 *	79.7	212.0	37,100*				55
60	75.9	212.1	40,600 *	78.3	210.7	36,600*	80.7	207.6	32,000*	60
65	74.5	210.6	39,600	76.9	209.2	36,000*	79.3	206.1	30,800*	65
70	73.1	209.0	35,400	75.4	207.6	35,500*	77.8	204.5	29,800*	70
75	71.7	207.3	31,800	74.0	205.9	33,100	76.3	202.7	28,800*	75
80	70.2	205.4	28,700	72.5	204.0	29,900	74.9	200.8	27,900*	80
85	68.8	203.4	26,000	71.1	202.0	27,100	73.4	198.8	27,000*	85
90	67.3	201.3	23,700	69.6	199.8	24,700	71.9	196.6	25,700	90
100	64.3	196.5	19,700	66.6	195.0	20,600	68.8	191.7	21,500	100
110	61.2	191.0	16,500	63.5	189.5	17,300	65.6	186.1	18,100	110
120	58.1	184.9	13,900	60.3	183.3	14,600	62.4	179.7	15,300	120
130	54.8	177.9	11,800	56.9	176.2	12,400	59.0	172.5	12,900	130
140	51.3	170.0	9,900	53.5	168.2	10,400	55.4	164.3	10,900	140
150	47.7	161.0	8,300	49.8	159.1	8,800	51.6	155.0	9,200	150
160	43.8	150.8	6,900	45.9	148.8	7,300	47.6	144.4	7,600	160
170	39.7	139.0	5,700	41.6	136.8	6,000	43.2	132.0	6,300	170
180	35.1	125.3	4,600	37.0	122.8	4,800				180
170 Ft. BOOM										
45	80.5	225.8	43,300 *							45
50	79.2	224.8	42,500 *							50
55	77.9	223.7	41,700 *	80.2	222.3	37,300*				55
60	76.6	222.4	41,000 *	78.8	221.0	36,800*				60
65	75.2	221.0	39,300	77.5	219.6	36,200*	79.8	216.5	31,200*	65
70	73.9	219.5	35,100	76.1	218.1	35,700*	78.4	215.0	30,200*	70
75	72.5	217.9	31,500	74.7	216.5	32,900	77.0	213.3	29,200*	75
80	71.2	216.1	28,400	73.4	214.7	29,700	75.6	211.5	28,300*	80
85	69.8	214.2	25,700	72.0	212.8	26,900	74.2	209.5	27,500*	85
90	68.4	212.2	23,300	70.6	210.7	24,400	72.8	207.4	25,500	90
100	65.6	207.7	19,400	67.7	206.1	20,300	69.9	202.8	21,300	100
110	62.7	202.5	16,200	64.8	201.0	17,000	66.9	197.5	17,800	110
120	59.7	196.7	13,600	61.8	195.1	14,300	63.8	191.6	15,000	120
130	56.6	190.2	11,400	58.7	188.5	12,000	60.7	184.9	12,700	130
140	53.4	182.8	9,600	55.5	181.1	10,100	57.4	177.3	10,600	140
150	50.0	174.6	8,000	52.1	172.7	8,400	53.9	168.7	8,900	150
160	46.5	165.2	6,600	48.5	163.3	7,000	50.2	159.0	7,400	160
170	42.8	154.6	5,300	44.7	152.6	5,700	46.3	148.0	6,000	170
180	38.7	142.5	4,200	40.6	140.2	4,600				180



Liftcrane Jib Capacities

777 SERIES 1

New York City Code
Jib No. 134 with 12 Ft. 6 in. Strut on
Boom No. 78
105,000 Lb. Counterweight
360 Degree Rating

Meets
ANSI B30.5
Requirements

50 Ft. JIB

Jib Oper. Rad. Feet	5 Degree Offset			15 Degree Offset			25 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	
180 Ft. BOOM										
45	80.9	236.0	43,000 *							45
50	79.7	235.0	42,400 *							50
55	78.4	233.9	41,800 *	80.6	232.5	37,500*				55
60	77.2	232.7	41,200 *	79.3	231.3	37,000*				60
65	75.9	231.4	39,000	78.0	230.0	36,500*	80.2	226.8	31,600*	65
70	74.6	230.0	34,700	76.7	228.5	35,900*	78.9	225.4	30,600*	70
75	73.3	228.4	31,100	75.4	227.0	32,600	77.6	223.8	29,600*	75
80	72.0	226.7	28,000	74.1	225.3	29,400	76.3	222.1	28,700*	80
85	70.7	224.9	25,300	72.8	223.5	26,600	74.9	220.2	27,800	85
90	69.4	223.0	23,000	71.5	221.5	24,100	73.6	218.2	25,300	90
100	66.7	218.7	19,000	68.8	217.2	20,000	70.8	213.8	21,000	100
110	63.9	213.8	15,800	66.0	212.3	16,700	68.0	208.9	17,500	110
120	61.1	208.4	13,200	63.2	206.8	14,000	65.1	203.3	14,700	120
130	58.2	202.2	11,000	60.2	200.6	11,700	62.2	196.9	12,300	130
140	55.2	195.3	9,100	57.2	193.6	9,700	59.1	189.9	10,300	140
150	52.1	187.6	7,500	54.1	185.9	8,100	55.9	181.9	8,600	150
160	48.9	179.0	6,200	50.8	177.1	6,600	52.5	173.0	7,000	160
170	45.4	169.3	4,900	47.3	167.3	5,300	48.9	162.9	5,700	170
180				43.6	156.2	4,200	45.1	151.5	4,500	180
190 Ft. BOOM										
50	80.1	245.2	42,100 *							50
55	78.9	244.2	41,500 *	81.0	242.7	37,700*				55
60	77.7	243.0	40,900 *	79.8	241.6	37,200*				60
65	76.5	241.8	38,500	78.5	240.3	36,600*	80.7	237.2	32,000*	65
70	75.3	240.4	34,300	77.3	238.9	36,000	79.4	235.8	31,000*	70
75	74.0	238.9	30,700	76.1	237.4	32,200	78.1	234.2	30,000*	75
80	72.8	237.3	27,500	74.8	235.8	29,000	76.9	232.6	29,100*	80
85	71.5	235.6	24,800	73.6	234.1	26,100	75.6	230.8	27,500	85
90	70.3	233.7	22,500	72.3	232.2	23,700	74.3	229.0	24,900	90
100	67.7	229.6	18,500	69.7	228.1	19,500	71.7	224.8	20,600	100
110	65.1	225.0	15,300	67.1	223.5	16,200	69.0	220.1	17,100	110
120	62.4	219.8	12,700	64.4	218.2	13,500	66.3	214.7	14,300	120
130	59.7	214.0	10,500	61.6	212.4	11,200	63.5	208.8	11,900	130
140	56.9	207.6	8,600	58.8	205.9	9,300	60.6	202.1	9,900	140
150	54.0	200.4	7,000	55.9	198.6	7,600	57.6	194.7	8,100	150
160	50.9	192.3	5,600	52.8	190.5	6,100	54.5	186.5	6,600	160
170	47.8	183.4	4,400	49.6	181.4	4,800	51.2	177.2	5,200	170
180							47.7	166.8	4,000	180



Liftcrane Jib Capacities

New York City Code
Jib No. 134 with 12 Ft. 6 in. Strut on
Boom No. 78
105,000 Lb. Counterweight
360 Degree Rating

Meets
ANSI B30.5
Requirements

777 SERIES 1

60 Ft. JIB

Jib Oper. Rad. Feet	5 Degree Offset			15 Degree Offset			25 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	
80 Ft. BOOM										
35	79.3	146.2	35,300 *							35
40	77.2	145.0	34,300 *							40
45	75.1	143.6	33,400 *	79.8	142.7	28,800*				45
50	73.0	142.0	32,500 *	77.7	141.1	28,100*				50
55	70.9	140.1	31,700 *	75.5	139.3	27,400*	80.0	136.5	25,400*	55
60	68.7	138.1	30,900 *	73.3	137.2	26,800*	77.7	134.4	24,900*	60
65	66.5	135.8	30,100 *	71.1	135.0	26,200*	75.4	132.1	24,000*	65
70	64.2	133.3	29,300 *	68.8	132.5	25,600*	73.1	129.5	22,700*	70
75	61.9	130.5	28,600 *	66.5	129.7	25,100*	70.7	126.7	21,600*	75
80	59.6	127.4	27,900 *	64.1	126.7	24,600*	68.3	123.6	20,700*	80
85	57.1	124.1	27,200 *	61.7	123.4	24,100*	65.8	120.2	19,800*	85
90	54.6	120.4	26,500	59.2	119.7	23,600*	63.2	116.4	19,000*	90
100	49.4	112.0	22,500	53.9	111.3	22,400*	57.7	107.8	17,600*	100
110	43.6	101.8	19,400	48.1	101.1	20,000	51.7	97.2	16,400*	110
120	37.1	89.1	16,800	41.5	88.5	17,300	44.8	83.8	15,500*	120
130	29.3	72.5	14,600	33.6	71.8	14,900				130
90 Ft. BOOM										
35	80.0	156.5	35,700 *							35
40	78.1	155.3	34,700 *							40
45	76.1	154.0	33,800 *	80.5	153.0	29,000*				45
50	74.2	152.5	33,000 *	78.5	151.5	28,400*				50
55	72.2	150.8	32,200 *	76.5	149.9	27,700*	80.7	147.0	25,600*	55
60	70.2	148.9	31,400 *	74.5	148.0	27,100*	78.6	145.1	25,100*	60
65	68.1	146.8	30,700 *	72.4	145.9	26,500*	76.5	142.9	24,600*	65
70	66.1	144.5	29,900 *	70.4	143.6	26,000*	74.4	140.6	23,400*	70
75	63.9	141.9	29,200 *	68.2	141.1	25,400*	72.2	138.0	22,300*	75
80	61.8	139.2	28,500 *	66.1	138.3	25,000*	70.0	135.2	21,300*	80
85	59.6	136.1	27,900 *	63.8	135.3	24,500*	67.7	132.1	20,400*	85
90	57.3	132.8	26,100	61.6	132.0	24,100*	65.4	128.7	19,600*	90
100	52.6	125.3	22,200	56.8	124.5	23,000	60.5	121.0	18,200*	100
110	47.6	116.3	19,100	51.7	115.5	19,700	55.2	111.7	17,000*	110
120	42.0	105.5	16,500	46.2	104.8	17,000	49.4	100.5	16,100*	120
130	35.7	92.2	14,300	39.8	91.4	14,700	42.7	86.4	15,100	130
140	28.2	74.9	12,400	32.2	74.1	12,700				140



Liftcrane Jib Capacities

New York City Code
Jib No. 134 with 12 Ft. 6 in. Strut on
Boom No. 78
105,000 Lb. Counterweight
360 Degree Rating

Meets
ANSI B30.5
Requirements

777 SERIES 1

60 Ft. JIB

Jib Oper. Rad. Feet	5 Degree Offset			15 Degree Offset			25 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	
100 Ft. BOOM										
35	80.6	166.7	36,000 *							35
40	78.8	165.6	35,100 *							40
45	77.0	164.4	34,200 *							45
50	75.2	163.0	33,400 *	79.3	161.9	28,600*				50
55	73.3	161.4	32,600 *	77.4	160.4	28,000*				55
60	71.5	159.6	31,900 *	75.5	158.6	27,400*	79.4	155.6	25,200*	60
65	69.6	157.7	31,200 *	73.6	156.7	26,800*	77.4	153.6	24,800*	65
70	67.6	155.5	30,500 *	71.7	154.6	26,300*	75.5	151.5	24,000*	70
75	65.7	153.2	29,800 *	69.7	152.2	25,800*	73.4	149.1	22,900*	75
80	63.7	150.6	29,100 *	67.7	149.7	25,300*	71.4	146.5	21,900*	80
85	61.7	147.8	28,100	65.7	146.9	24,900*	69.3	143.6	21,000*	85
90	59.6	144.8	25,700	63.6	143.9	24,400*	67.2	140.5	20,200*	90
100	55.3	137.9	21,800	59.3	137.1	22,700	62.8	133.5	18,800*	100
110	50.8	129.9	18,700	54.7	129.1	19,400	58.1	125.3	17,600*	110
120	45.9	120.4	16,100	49.8	119.6	16,700	53.0	115.5	16,600*	120
130	40.6	109.1	13,900	44.4	108.2	14,400	47.4	103.7	14,800	130
140	34.5	95.2	12,000	38.3	94.3	12,500				140
150	27.3	77.2	10,400	31.0	76.2	10,700				150
110 Ft. BOOM										
40	79.5	175.9	35,400 *							40
45	77.8	174.7	34,600 *							45
50	76.1	173.4	33,800 *	79.9	172.3	28,800*				50
55	74.3	171.9	33,100 *	78.2	170.8	28,200*				55
60	72.6	170.2	32,300 *	76.4	169.2	27,700*	80.0	166.1	25,400*	60
65	70.8	168.4	31,700 *	74.6	167.4	27,100*	78.2	164.3	25,000*	65
70	69.0	166.4	31,000 *	72.8	165.4	26,600*	76.4	162.2	24,500*	70
75	67.2	164.2	30,300 *	71.0	163.2	26,100*	74.5	160.0	23,400*	75
80	65.4	161.8	29,700 *	69.1	160.9	25,700*	72.6	157.6	22,500*	80
85	63.5	159.3	27,800	67.3	158.3	25,200*	70.7	155.0	21,600*	85
90	61.6	156.5	25,400	65.3	155.5	24,800*	68.7	152.1	20,800*	90
100	57.7	150.2	21,500	61.4	149.3	22,400	64.7	145.7	19,400*	100
110	53.5	142.9	18,400	57.2	142.0	19,200	60.4	138.2	18,200*	110
120	49.2	134.4	15,800	52.8	133.5	16,500	55.9	129.5	17,000	120
130	44.5	124.4	13,600	48.1	123.5	14,200	51.0	119.1	14,600	130
140	39.3	112.5	11,700	42.9	111.6	12,200	45.5	106.8	12,600	140
150	33.4	98.1	10,100	37.0	97.1	10,500				150
160	26.4	79.4	8,700							160



Liftcrane Jib Capacities

New York City Code
Jib No. 134 with 12 Ft. 6 in. Strut on
Boom No. 78
105,000 Lb. Counterweight
360 Degree Rating

Meets
ANSI B30.5
Requirements

777 SERIES 1

60 Ft. JIB

Jib Oper. Rad. Feet	5 Degree Offset			15 Degree Offset			25 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	
120 Ft. BOOM										
40	80.1	186.1	35,700 *							40
45	78.5	185.0	34,900 *							45
50	76.9	183.7	34,200 *	80.5	182.6	29,000*				50
55	75.2	182.3	33,400 *	78.8	181.2	28,500*				55
60	73.6	180.8	32,700 *	77.2	179.7	27,900*	80.6	176.5	25,500*	60
65	71.9	179.1	32,100 *	75.5	178.0	27,400*	78.9	174.8	25,100*	65
70	70.2	177.2	31,500 *	73.8	176.1	26,900*	77.2	172.9	24,700*	70
75	68.5	175.1	30,900 *	72.1	174.1	26,400*	75.5	170.8	23,900*	75
80	66.8	172.9	30,200 *	70.4	171.9	26,000*	73.7	168.6	23,000*	80
85	65.1	170.5	27,500	68.6	169.5	25,500*	71.9	166.1	22,100*	85
90	63.3	167.9	25,200	66.8	166.9	25,100*	70.1	163.5	21,300*	90
100	59.7	162.1	21,300	63.2	161.1	22,200	66.3	157.6	19,900*	100
110	55.9	155.4	18,100	59.4	154.4	18,900	62.4	150.7	18,700*	110
120	51.9	147.6	15,500	55.4	146.7	16,200	58.3	142.8	16,900	120
130	47.7	138.7	13,300	51.1	137.7	14,000	53.9	133.5	14,500	130
140	43.1	128.2	11,500	46.5	127.3	12,000	49.2	122.7	12,400	140
150	38.1	115.9	9,900	41.5	114.9	10,300	43.9	109.8	10,700	150
160	32.4	100.8	8,500	35.7	99.8	8,800				160
170	25.6	81.5	7,200							170
130 Ft. BOOM										
40	80.6	196.3	36,000 *							40
45	79.1	195.2	35,200 *							45
50	77.6	194.0	34,500 *	81.0	192.9	29,200*				50
55	76.0	192.7	33,800 *	79.4	191.6	28,700*				55
60	74.5	191.3	33,100 *	77.9	190.1	28,100*				60
65	72.9	189.6	32,500 *	76.3	188.5	27,600*	79.5	185.3	25,200*	65
70	71.3	187.9	31,900 *	74.7	186.8	27,100*	77.9	183.5	24,900*	70
75	69.7	186.0	31,300 *	73.1	184.9	26,700*	76.3	181.6	24,400*	75
80	68.1	183.9	29,900	71.5	182.8	26,200*	74.6	179.4	23,500*	80
85	66.5	181.6	27,200	69.8	180.6	25,800*	73.0	177.2	22,600*	85
90	64.8	179.2	24,900	68.2	178.1	25,400*	71.3	174.7	21,800*	90
100	61.4	173.8	20,900	64.8	172.7	22,000	67.8	169.2	20,400*	100
110	57.9	167.5	17,800	61.2	166.5	18,700	64.2	162.8	19,200*	110
120	54.2	160.4	15,200	57.5	159.4	16,000	60.4	155.5	16,600	120
130	50.4	152.2	13,000	53.7	151.3	13,700	56.4	147.1	14,200	130
140	46.3	142.9	11,200	49.5	141.9	11,700	52.1	137.4	12,200	140
150	41.9	132.0	9,600	45.1	130.9	10,100	47.5	126.1	10,400	150
160	37.0	119.1	8,200	40.2	118.1	8,600	42.4	112.7	8,900	160
170	31.5	103.5	6,900	34.6	102.4	7,300				170
180	24.9	83.6	5,800							180



Liftcrane Jib Capacities

777 SERIES 1

New York City Code
Jib No. 134 with 12 Ft. 6 in. Strut on
Boom No. 78
105,000 Lb. Counterweight
360 Degree Rating

Meets
ANSI B30.5
Requirements

60 Ft. JIB

Jib Oper. Rad. Feet	5 Degree Offset			15 Degree Offset			25 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	
140 Ft. BOOM										
45	79.6	205.4	35,500 *							45
50	78.2	204.3	34,800 *							50
55	76.7	203.1	34,100 *	80.0	201.9	28,800*				55
60	75.3	201.7	33,500 *	78.5	200.5	28,300*				60
65	73.8	200.2	32,800 *	77.0	199.0	27,800*	80.1	195.7	25,400*	65
70	72.3	198.5	32,200 *	75.5	197.4	27,400*	78.6	194.0	25,000*	70
75	70.8	196.7	31,700 *	74.0	195.6	26,900*	77.0	192.2	24,700*	75
80	69.2	194.7	29,500	72.5	193.6	26,500*	75.5	190.2	23,900*	80
85	67.7	192.6	26,800	70.9	191.5	26,100*	73.9	188.1	23,100*	85
90	66.2	190.3	24,500	69.4	189.2	25,700*	72.3	185.7	22,300*	90
100	63.0	185.2	20,500	66.2	184.2	21,600	69.0	180.6	20,900*	100
110	59.7	179.4	17,400	62.9	178.4	18,300	65.7	174.7	19,200	110
120	56.3	172.8	14,800	59.4	171.8	15,600	62.2	167.9	16,300	120
130	52.7	165.3	12,600	55.9	164.3	13,300	58.5	160.2	14,000	130
140	49.0	156.7	10,700	52.1	155.7	11,400	54.6	151.4	11,900	140
150	45.0	146.9	9,100	48.1	145.9	9,700	50.5	141.3	10,100	150
160	40.8	135.6	7,700	43.8	134.5	8,200	46.0	129.5	8,600	160
170	36.0	122.3	6,500	39.0	121.2	6,900				170
180	30.7	106.2	5,400	33.6	105.0	5,700				180
190	24.2	85.6	4,400							190
150 Ft. BOOM										
45	80.1	215.7	35,800 *							45
50	78.8	214.6	35,100 *							50
55	77.4	213.4	34,400 *	80.5	212.2	29,000*				55
60	76.0	212.1	33,800 *	79.1	210.9	28,500*				60
65	74.6	210.6	33,200 *	77.7	209.4	28,000*	80.6	206.1	25,500*	65
70	73.1	209.1	32,600 *	76.2	207.9	27,600*	79.1	204.5	25,100*	70
75	71.7	207.3	32,000 *	74.8	206.2	27,200*	77.7	202.8	24,800*	75
80	70.3	205.5	29,200	73.3	204.3	26,700*	76.2	200.9	24,400*	80
85	68.8	203.5	26,500	71.9	202.3	26,300*	74.7	198.9	23,500*	85
90	67.4	201.3	24,100	70.4	200.2	25,500	73.2	196.7	22,800*	90
100	64.4	196.5	20,200	67.4	195.4	21,400	70.1	191.8	21,400*	100
110	61.3	191.1	17,000	64.3	190.0	18,000	67.0	186.3	18,900	110
120	58.1	184.9	14,400	61.1	183.8	15,300	63.7	180.0	16,100	120
130	54.8	177.9	12,300	57.8	176.8	13,000	60.3	172.8	13,700	130
140	51.4	170.0	10,400	54.3	168.9	11,100	56.8	164.7	11,700	140
150	47.7	161.1	8,800	50.7	160.0	9,400	53.0	155.5	9,900	150
160	43.9	150.8	7,400	46.8	149.8	7,900	49.0	145.0	8,300	160
170	39.7	139.1	6,200	42.6	138.0	6,600	44.6	132.7	7,000	170
180	35.1	125.3	5,100	37.9	124.2	5,500				180
190	29.9	108.7	4,100	32.7	107.5	4,400				190



Liftcrane Jib Capacities

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Boom No. 78
105,000 Lb. Counterweight
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Requirements

777 SERIES 1

60 Ft. JIB

Jib Oper. Rad. Feet	5 Degree Offset			15 Degree Offset			25 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	
160 Ft. BOOM										
45	80.6	225.8	36,000 *							45
50	79.3	224.8	35,300 *							50
55	77.9	223.7	34,700 *	80.9	222.4	29,200*				55
60	76.6	222.4	34,100 *	79.6	221.2	28,700*				60
65	75.3	221.1	33,500 *	78.2	219.8	28,200*				65
70	73.9	219.6	32,900 *	76.9	218.3	27,800*	79.7	214.9	25,200*	70
75	72.6	217.9	32,000	75.5	216.7	27,400*	78.3	213.3	24,900*	75
80	71.2	216.2	28,900	74.1	215.0	27,000*	76.9	211.5	24,600*	80
85	69.8	214.3	26,200	72.8	213.1	26,600*	75.5	209.6	23,900*	85
90	68.4	212.2	23,900	71.4	211.0	25,200	74.0	207.5	23,200*	90
100	65.6	207.7	19,900	68.5	206.5	21,100	71.1	202.9	21,800*	100
110	62.7	202.6	16,700	65.6	201.4	17,800	68.2	197.7	18,700	110
120	59.7	196.8	14,100	62.6	195.6	15,100	65.1	191.8	15,900	120
130	56.6	190.2	12,000	59.5	189.1	12,800	61.9	185.1	13,500	130
140	53.4	182.9	10,100	56.3	181.8	10,800	58.7	177.6	11,400	140
150	50.1	174.6	8,500	52.9	173.5	9,100	55.2	169.1	9,700	150
160	46.6	165.3	7,100	49.3	164.2	7,700	51.5	159.5	8,100	160
170	42.8	154.7	5,900	45.6	153.5	6,400	47.6	148.6	6,800	170
180	38.7	142.5	4,800	41.5	141.3	5,200	43.4	135.9	5,500	180
190				36.9	127.1	4,200				190
170 Ft. BOOM										
45	81.0	236.0	36,300 *							45
50	79.7	235.0	35,600 *							50
55	78.5	234.0	35,000 *							55
60	77.2	232.8	34,400 *	80.0	231.5	28,900*				60
65	75.9	231.4	33,800 *	78.8	230.2	28,400*				65
70	74.6	230.0	33,200 *	77.5	228.8	28,000*	80.1	225.3	25,400*	70
75	73.4	228.5	31,700	76.2	227.2	27,600*	78.8	223.7	25,100*	75
80	72.1	226.8	28,600	74.9	225.6	27,200*	77.5	222.0	24,800*	80
85	70.7	225.0	25,900	73.5	223.8	26,800*	76.1	220.2	24,300*	85
90	69.4	223.0	23,500	72.2	221.8	25,000	74.8	218.3	23,600*	90
100	66.7	218.7	19,600	69.5	217.6	20,800	72.0	213.9	22,000	100
110	64.0	213.9	16,400	66.8	212.7	17,500	69.2	209.0	18,500	110
120	61.2	208.4	13,800	63.9	207.2	14,800	66.4	203.4	15,600	120
130	58.3	202.3	11,600	61.0	201.1	12,500	63.4	197.2	13,200	130
140	55.3	195.4	9,700	58.0	194.2	10,500	60.3	190.1	11,200	140
150	52.2	187.7	8,100	54.9	186.6	8,800	57.1	182.3	9,400	150
160	48.9	179.1	6,800	51.6	177.9	7,400	53.7	173.4	7,900	160
170	45.5	169.4	5,500	48.1	168.2	6,100	50.2	163.4	6,500	170
180	41.8	158.4	4,400	44.4	157.2	4,900	46.4	152.1	5,300	180
190							42.2	139.0	4,200	190

Liftcrane Jib Capacities

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Jib No. 134 with 12 Ft. 6 in. Strut on
Boom No. 78
105,000 Lb. Counterweight
360 Degree Rating

Meets
ANSI B30.5
Requirements

777 SERIES 1

60 Ft. JIB

Jib Oper. Rad. Feet	5 Degree Offset			15 Degree Offset			25 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	
180 Ft. BOOM										
50	80.2	245.2	35,800 *							50
55	79.0	244.2	35,200 *							55
60	77.7	243.1	34,600 *	80.5	241.8	29,000*				60
65	76.5	241.8	34,000 *	79.2	240.5	28,600*				65
70	75.3	240.4	33,500 *	78.0	239.2	28,200*	80.6	235.7	25,500*	70
75	74.1	238.9	31,300	76.8	237.7	27,800*	79.3	234.2	25,200*	75
80	72.8	237.3	28,200	75.5	236.1	27,400*	78.0	232.5	24,900*	80
85	71.6	235.6	25,500	74.3	234.4	27,000*	76.8	230.8	24,600*	85
90	70.3	233.8	23,200	73.0	232.5	24,700	75.5	228.9	23,900*	90
100	67.8	229.7	19,200	70.4	228.5	20,500	72.9	224.8	21,700	100
110	65.1	225.1	16,000	67.8	223.9	17,200	70.2	220.1	18,200	110
120	62.5	219.9	13,400	65.1	218.7	14,400	67.5	214.9	15,300	120
130	59.7	214.1	11,200	62.4	212.9	12,100	64.7	209.0	12,900	130
140	56.9	207.6	9,300	59.5	206.4	10,200	61.8	202.4	10,900	140
150	54.0	200.4	7,700	56.6	199.2	8,500	58.8	195.0	9,100	150
160	51.0	192.4	6,300	53.5	191.2	7,000	55.7	186.8	7,500	160
170	47.8	183.4	5,100	50.4	182.3	5,700	52.4	177.6	6,200	170
180	44.4	173.4	4,000	47.0	172.2	4,500	48.9	167.2	5,000	180



Liftcrane Jib Capacities

New York City Code
Jib No. 134 with 12 Ft. 6 in. Strut on
Boom No. 78
105,000 Lb. Counterweight
360 Degree Rating

Meets
ANSI B30.5
Requirements

777 SERIES 1

70 Ft. JIB

Jib Oper. Rad. Feet	5 Degree Offset			15 Degree Offset			25 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	
80 Ft. BOOM										
35	80.2	156.7	27,200 *							35
40	78.2	155.6	26,700 *							40
45	76.3	154.3	26,000 *	81.0	153.2	24,100*				45
50	74.3	152.8	25,300 *	79.0	151.7	23,500*				50
55	72.3	151.2	24,700 *	77.0	150.0	23,000*				55
60	70.3	149.3	24,000 *	75.0	148.1	22,500*	79.9	145.3	20,900*	60
65	68.3	147.3	23,500 *	72.9	146.1	21,900*	77.8	143.1	20,400*	65
70	66.2	145.0	22,900 *	70.9	143.8	21,400*	75.7	140.8	20,000*	70
75	64.1	142.5	22,400 *	68.7	141.2	21,000*	73.5	138.2	19,400*	75
80	62.0	139.7	21,800 *	66.6	138.5	20,500*	71.3	135.4	18,400*	80
85	59.8	136.8	21,300 *	64.4	135.5	20,100*	69.0	132.3	17,600*	85
90	57.5	133.5	20,800 *	62.1	132.2	19,600*	66.7	128.9	16,800*	90
100	52.9	126.1	19,900 *	57.3	124.7	18,800*	61.8	121.2	15,500*	100
110	47.8	117.3	19,000 *	52.3	115.7	18,100*	56.6	112.0	14,300*	110
120	42.4	106.7	17,100	46.7	105.0	16,800*	50.8	100.8	13,400*	120
130	36.2	93.7	14,900	40.4	91.7	15,300	44.1	86.8	12,600*	130
140	28.8	76.8	13,000	32.8	74.4	13,300				140
90 Ft. BOOM										
35	80.8	166.9	27,300 *							35
40	79.0	165.9	27,000 *							40
45	77.2	164.7	26,300 *							45
50	75.3	163.3	25,700 *	79.7	162.1	23,700*				50
55	73.5	161.7	25,000 *	77.9	160.5	23,200*				55
60	71.6	160.0	24,400 *	76.0	158.8	22,700*	80.6	155.8	21,000*	60
65	69.7	158.1	23,900 *	74.1	156.8	22,200*	78.6	153.8	20,600*	65
70	67.8	156.0	23,300 *	72.1	154.7	21,700*	76.7	151.6	20,200*	70
75	65.9	153.7	22,800 *	70.2	152.4	21,300*	74.7	149.3	19,800*	75
80	63.9	151.1	22,300 *	68.2	149.8	20,800*	72.6	146.7	19,000*	80
85	61.9	148.4	21,800 *	66.1	147.1	20,400*	70.5	143.8	18,100*	85
90	59.8	145.4	21,300 *	64.1	144.1	20,000*	68.4	140.7	17,400*	90
100	55.5	138.7	20,400 *	59.8	137.3	19,200*	64.0	133.7	16,000*	100
110	51.0	130.8	19,300	55.2	129.3	18,500*	59.3	125.5	14,900*	110
120	46.2	121.4	16,800	50.3	119.8	17,300	54.2	115.7	13,900*	120
130	40.9	110.3	14,600	44.9	108.5	15,100	48.6	103.9	13,100*	130
140	35.0	96.7	12,700	38.8	94.6	13,100	42.2	89.3	12,500*	140
150	27.8	79.2	11,100	31.5	76.6	11,400				150



Liftcrane Jib Capacities

777 SERIES 1

New York City Code
Jib No. 134 with 12 Ft. 6 in. Strut on
Boom No. 78
105,000 Lb. Counterweight
360 Degree Rating

Meets
ANSI B30.5
Requirements

70 Ft. JIB

Jib Oper. Rad. Feet	5 Degree Offset			15 Degree Offset			25 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	
100 Ft. BOOM										
40	79.6	176.1	27,100 *							40
45	77.9	175.0	26,600 *							45
50	76.2	173.7	26,000 *	80.3	172.4	23,900*				50
55	74.5	172.2	25,400 *	78.6	171.0	23,400*				55
60	72.7	170.6	24,800 *	76.8	169.3	22,900*				60
65	71.0	168.8	24,200 *	75.1	167.5	22,500*	79.4	164.4	20,700*	65
70	69.2	166.8	23,700 *	73.3	165.5	22,000*	77.5	162.4	20,300*	70
75	67.4	164.7	23,200 *	71.4	163.4	21,600*	75.7	160.2	20,000*	75
80	65.5	162.4	22,700 *	69.6	161.0	21,100*	73.8	157.7	19,500*	80
85	63.6	159.8	22,200 *	67.7	158.4	20,700*	71.8	155.1	18,600*	85
90	61.8	157.1	21,800 *	65.8	155.7	20,300*	69.9	152.3	17,900*	90
100	57.8	150.9	20,900 *	61.8	149.4	19,600*	65.8	145.9	16,500*	100
110	53.7	143.7	18,900	57.7	142.1	18,900*	61.6	138.4	15,400*	110
120	49.4	135.3	16,300	53.3	133.7	17,000	57.0	129.6	14,400*	120
130	44.7	125.5	14,200	48.6	123.7	14,700	52.1	119.3	13,600*	130
140	39.6	113.8	12,300	43.4	111.8	12,800	46.7	107.0	12,900*	140
150	33.8	99.6	10,700	37.5	97.4	11,100				150
160	27.0	81.5	9,300	30.3	78.6	9,600				160
110 Ft. BOOM										
40	80.2	186.3	27,200 *							40
45	78.6	185.2	26,900 *							45
50	77.0	184.0	26,300 *	80.9	182.7	24,100*				50
55	75.3	182.7	25,700 *	79.3	181.4	23,600*				55
60	73.7	181.1	25,100 *	77.6	179.8	23,100*				60
65	72.0	179.5	24,600 *	75.9	178.1	22,700*	80.0	174.9	20,900*	65
70	70.4	177.6	24,100 *	74.2	176.3	22,300*	78.3	173.0	20,500*	70
75	68.7	175.6	23,600 *	72.5	174.2	21,800*	76.5	170.9	20,100*	75
80	67.0	173.4	23,100 *	70.8	172.0	21,400*	74.8	168.7	19,800*	80
85	65.2	171.0	22,600 *	69.0	169.6	21,000*	73.0	166.2	19,100*	85
90	63.4	168.5	22,200 *	67.3	167.1	20,600*	71.1	163.6	18,300*	90
100	59.8	162.7	21,300 *	63.6	161.3	19,900*	67.4	157.7	17,000*	100
110	56.1	156.1	18,600	59.8	154.6	19,200*	63.5	150.8	15,900*	110
120	52.1	148.5	16,000	55.8	146.9	16,700	59.4	142.9	14,900*	120
130	47.9	139.6	13,900	51.5	137.9	14,500	55.0	133.7	14,000*	130
140	43.4	129.4	12,000	47.0	127.5	12,500	50.3	122.8	13,000	140
150	38.4	117.2	10,400	41.9	115.1	10,800	45.0	109.9	11,200	150
160	32.8	102.5	9,000	36.2	100.1	9,300				160
170	26.1	83.7	7,700							170



Liftcrane Jib Capacities

New York City Code
Jib No. 134 with 12 Ft. 6 in. Strut on
Boom No. 78
105,000 Lb. Counterweight
360 Degree Rating

Meets
ANSI B30.5
Requirements

777 SERIES 1

70 Ft. JIB

Jib Oper. Rad. Feet	5 Degree Offset			15 Degree Offset			25 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	
120 Ft. BOOM										
40	80.7	196.5	27,300 *							40
45	79.2	195.5	27,100 *							45
50	77.7	194.3	26,500 *							50
55	76.1	193.0	26,000 *	79.8	191.7	23,800*				55
60	74.6	191.6	25,400 *	78.3	190.3	23,300*				60
65	73.0	190.0	24,900 *	76.7	188.7	22,900*	80.6	185.3	21,000*	65
70	71.4	188.3	24,400 *	75.1	186.9	22,500*	78.9	183.6	20,600*	70
75	69.8	186.4	23,900 *	73.5	185.0	22,100*	77.3	181.6	20,300*	75
80	68.2	184.3	23,500 *	71.9	182.9	21,700*	75.6	179.5	20,000*	80
85	66.6	182.1	23,000 *	70.2	180.7	21,300*	74.0	177.2	19,500*	85
90	64.9	179.7	22,600 *	68.6	178.3	20,900*	72.3	174.8	18,800*	90
100	61.6	174.4	21,500	65.2	172.9	20,200*	68.8	169.2	17,500*	100
110	58.1	168.2	18,300	61.6	166.7	19,200	65.2	162.9	16,300*	110
120	54.4	161.2	15,700	57.9	159.6	16,500	61.4	155.6	15,300*	120
130	50.6	153.1	13,600	54.1	151.4	14,200	57.4	147.2	14,500*	130
140	46.5	143.9	11,700	50.0	142.0	12,300	53.2	137.5	12,800	140
150	42.2	133.1	10,100	45.5	131.1	10,600	48.5	126.2	11,100	150
160	37.4	120.5	8,700	40.6	118.3	9,100	43.4	112.8	9,500	160
170	31.9	105.2	7,500	35.1	102.7	7,800				170
180	25.4	85.8	6,400							180
130 Ft. BOOM										
45	79.7	205.7	27,200 *							45
50	78.3	204.6	26,800 *							50
55	76.8	203.4	26,200 *	80.4	202.0	23,900*				55
60	75.4	202.0	25,700 *	78.9	200.6	23,500*				60
65	73.9	200.5	25,200 *	77.4	199.1	23,100*				65
70	72.4	198.9	24,700 *	75.9	197.5	22,700*	79.5	194.1	20,800*	70
75	70.9	197.1	24,200 *	74.4	195.7	22,300*	78.0	192.2	20,400*	75
80	69.4	195.2	23,800 *	72.8	193.7	21,900*	76.4	190.2	20,100*	80
85	67.8	193.1	23,300 *	71.3	191.6	21,500*	74.8	188.1	19,800*	85
90	66.3	190.8	22,900 *	69.7	189.3	21,200*	73.2	185.8	19,200*	90
100	63.1	185.8	21,200	66.5	184.3	20,500*	70.0	180.6	17,900*	100
110	59.8	180.1	18,000	63.2	178.5	18,900	66.6	174.7	16,800*	110
120	56.5	173.5	15,400	59.8	171.9	16,200	63.1	167.9	15,800*	120
130	52.9	166.1	13,200	56.2	164.4	13,900	59.5	160.2	14,600	130
140	49.2	157.6	11,400	52.5	155.8	12,000	55.6	151.4	12,600	140
150	45.3	147.9	9,800	48.5	146.0	10,300	51.5	141.3	10,800	150
160	41.0	136.8	8,400	44.2	134.7	8,800	47.0	129.5	9,300	160
170	36.4	123.7	7,200	39.4	121.4	7,500	42.0	115.6	7,900	170
180	31.1	107.9	6,100	34.0	105.2	6,400				180
190	24.7	87.9	5,100							190



Liftcrane Jib Capacities

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New York City Code
Jib No. 134 with 12 Ft. 6 in. Strut on
Boom No. 78
105,000 Lb. Counterweight
360 Degree Rating

Meets
ANSI B30.5
Requirements

70 Ft. JIB

Jib Oper. Rad. Feet	5 Degree Offset			15 Degree Offset			25 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	
140 Ft. BOOM										
45	80.2	215.9	27,200 *							45
50	78.9	214.9	27,000 *							50
55	77.5	213.7	26,500 *	80.8	212.3	24,100*				55
60	76.1	212.4	26,000 *	79.4	211.0	23,700*				60
65	74.7	211.0	25,500 *	78.0	209.6	23,300*				65
70	73.3	209.4	25,000 *	76.6	208.0	22,900*	80.1	204.5	20,900*	70
75	71.8	207.7	24,500 *	75.1	206.3	22,500*	78.6	202.8	20,600*	75
80	70.4	205.9	24,100 *	73.7	204.4	22,100*	77.1	200.9	20,200*	80
85	68.9	203.9	23,700 *	72.2	202.4	21,800*	75.6	198.9	19,900*	85
90	67.5	201.8	23,200 *	70.8	200.3	21,400*	74.1	196.7	19,600*	90
100	64.5	197.1	20,800	67.7	195.5	20,700*	71.1	191.8	18,300*	100
110	61.4	191.7	17,600	64.7	190.1	18,600	67.9	186.3	17,200*	110
120	58.3	185.6	15,000	61.5	184.0	15,900	64.6	180.0	16,200*	120
130	55.0	178.7	12,800	58.2	177.0	13,600	61.2	172.8	14,300	130
140	51.5	170.9	11,000	54.7	169.1	11,600	57.7	164.7	12,300	140
150	47.9	162.0	9,400	51.0	160.1	10,000	53.9	155.5	10,500	150
160	44.1	151.9	8,000	47.2	149.9	8,500	49.9	145.0	9,000	160
170	40.0	140.3	6,700	43.0	138.2	7,200	45.6	132.7	7,600	170
180	35.4	126.8	5,700	38.3	124.4	6,000				180
190	30.3	110.5	4,700	33.1	107.7	5,000				190
150 Ft. BOOM										
45	80.7	226.1	27,300 *							45
50	79.4	225.1	27,100 *							50
55	78.0	224.0	26,700 *							55
60	76.7	222.7	26,200 *	79.9	221.3	23,800*				60
65	75.4	221.4	25,700 *	78.6	219.9	23,400*				65
70	74.0	219.9	25,300 *	77.2	218.5	23,000*	80.5	214.9	21,000*	70
75	72.7	218.3	24,800 *	75.9	216.8	22,700*	79.1	213.3	20,700*	75
80	71.3	216.6	24,400 *	74.5	215.1	22,300*	77.7	211.5	20,400*	80
85	69.9	214.7	24,000 *	73.1	213.2	22,000*	76.3	209.6	20,100*	85
90	68.5	212.7	23,600 *	71.7	211.2	21,600*	74.9	207.5	19,800*	90
100	65.7	208.2	20,400	68.8	206.7	21,000*	72.0	202.9	18,700*	100
110	62.8	203.1	17,300	65.9	201.5	18,300	69.0	197.7	17,600*	110
120	59.9	197.4	14,600	62.9	195.8	15,600	66.0	191.8	16,500	120
130	56.8	190.9	12,500	59.8	189.2	13,300	62.8	185.1	14,100	130
140	53.6	183.7	10,600	56.6	181.9	11,300	59.5	177.6	12,000	140
150	50.3	175.5	9,000	53.3	173.6	9,700	56.1	169.1	10,300	150
160	46.8	166.3	7,600	49.7	164.3	8,200	52.4	159.5	8,700	160
170	43.0	155.8	6,400	45.9	153.7	6,900	48.5	148.5	7,300	170
180	39.0	143.8	5,300	41.8	141.5	5,700	44.2	135.9	6,100	180
190	34.6	129.8	4,300	37.3	127.3	4,700				190



Liftcrane Jib Capacities

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Boom No. 78
105,000 Lb. Counterweight
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Requirements

777 SERIES 1

70 Ft. JIB

Jib Oper. Rad. Feet	5 Degree Offset			15 Degree Offset			25 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	
160 Ft. BOOM										
50	79.8	235.3	27,200 *							50
55	78.6	234.2	26,900 *							55
60	77.3	233.1	26,400 *	80.4	231.6	23,900*				60
65	76.0	231.8	26,000 *	79.1	230.3	23,600*				65
70	74.7	230.4	25,500 *	77.8	228.9	23,200*	81.0	225.3	21,100*	70
75	73.5	228.8	25,100 *	76.5	227.3	22,800*	79.6	223.7	20,800*	75
80	72.2	227.2	24,700 *	75.2	225.7	22,500*	78.3	222.0	20,500*	80
85	70.8	225.4	24,200 *	73.9	223.9	22,200*	77.0	220.2	20,200*	85
90	69.5	223.5	23,800 *	72.5	221.9	21,800*	75.6	218.2	19,900*	90
100	66.8	219.2	20,100	69.8	217.7	21,200*	72.9	213.9	19,000*	100
110	64.1	214.4	16,900	67.1	212.8	18,100	70.1	208.9	17,900*	110
120	61.3	209.0	14,300	64.2	207.4	15,300	67.2	203.4	16,300	120
130	58.4	202.9	12,200	61.3	201.2	13,000	64.2	197.1	13,900	130
140	55.4	196.1	10,300	58.3	194.4	11,100	61.1	190.1	11,800	140
150	52.3	188.5	8,700	55.2	186.7	9,400	57.9	182.2	10,000	150
160	49.1	180.0	7,300	51.9	178.1	7,900	54.5	173.4	8,500	160
170	45.7	170.4	6,100	48.5	168.4	6,600	51.0	163.4	7,100	170
180	42.0	159.6	5,000	44.8	157.4	5,500	47.2	152.0	5,900	180
190	38.1	147.2	4,000	40.8	144.8	4,400	43.0	138.9	4,800	190
170 Ft. BOOM										
50	80.3	245.5	27,200 *							50
55	79.0	244.5	27,100 *							55
60	77.8	243.3	26,600 *	80.8	241.9	24,100*				60
65	76.6	242.1	26,200 *	79.5	240.6	23,700*				65
70	75.4	240.8	25,700 *	78.3	239.3	23,300*				70
75	74.2	239.3	25,300 *	77.1	237.8	23,000*	80.1	234.1	20,900*	75
80	72.9	237.7	24,900 *	75.8	236.2	22,700*	78.8	232.5	20,600*	80
85	71.7	236.0	24,500 *	74.6	234.5	22,300*	77.6	230.8	20,300*	85
90	70.4	234.2	23,700	73.3	232.6	22,000*	76.3	228.9	20,100*	90
100	67.9	230.1	19,800	70.7	228.6	21,100	73.6	224.8	19,400*	100
110	65.3	225.6	16,600	68.1	224.0	17,800	71.0	220.1	18,300*	110
120	62.6	220.4	14,000	65.4	218.8	15,000	68.3	214.8	16,000	120
130	59.9	214.7	11,800	62.7	213.0	12,700	65.4	208.9	13,600	130
140	57.1	208.3	9,900	59.8	206.6	10,800	62.6	202.3	11,600	140
150	54.2	201.2	8,300	56.9	199.4	9,100	59.6	195.0	9,800	150
160	51.1	193.2	7,000	53.9	191.4	7,600	56.4	186.7	8,200	160
170	48.0	184.4	5,700	50.7	182.4	6,300	53.2	177.5	6,800	170
180	44.6	174.4	4,600	47.3	172.3	5,200	49.7	167.2	5,600	180
190				43.7	161.0	4,100	45.9	155.4	4,500	190



Liftcrane Jib Capacities

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Boom No. 78
105,000 Lb. Counterweight
360 Degree Rating

Meets
ANSI B30.5
Requirements

777 SERIES 1

70 Ft. JIB

Jib Oper. Rad. Feet	5 Degree Offset			15 Degree Offset			25 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg	Jib Point Elev. Feet	Jib Capacity Pounds	
180 Ft. BOOM										
50	80.6	255.6	27,300 *							50
55	79.5	254.7	27,100 *							55
60	78.3	253.6	26,800 *							60
65	77.2	252.4	26,400 *	80.0	250.9	23,800*				65
70	76.0	251.1	26,000 *	78.8	249.6	23,500*				70
75	74.8	249.7	25,500 *	77.6	248.2	23,100*	80.5	244.5	20,900*	75
80	73.6	248.2	25,100 *	76.4	246.7	22,800*	79.3	242.9	20,700*	80
85	72.4	246.6	24,800 *	75.2	245.0	22,500*	78.1	241.3	20,400*	85
90	71.2	244.8	23,400	74.0	243.3	22,200*	76.8	239.5	20,200*	90
100	68.8	241.0	19,400	71.5	239.4	20,800	74.4	235.6	19,700*	100
110	66.3	236.6	16,200	69.1	235.0	17,400	71.8	231.1	18,600*	110
120	63.8	231.8	13,600	66.5	230.1	14,700	69.2	226.1	15,800	120
130	61.2	226.3	11,400	63.9	224.6	12,400	66.6	220.5	13,300	130
140	58.5	220.3	9,500	61.2	218.5	10,400	63.8	214.3	11,300	140
150	55.8	213.5	7,900	58.5	211.8	8,700	61.0	207.4	9,500	150
160	53.0	206.1	6,500	55.6	204.2	7,200	58.1	199.7	7,900	160
170	50.0	197.8	5,300	52.6	195.9	5,900	55.1	191.1	6,500	170
180	46.9	188.7	4,200	49.5	186.6	4,800	51.8	181.6	5,300	180
190							48.5	170.9	4,200	190



Liftcrane Jib Capacities

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Jib No. 134 with 12 Ft. 6 in. Strut on
Boom No. 78
105,000 Lb. Counterweight
360 Degree Rating

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Requirements

777 SERIES 1

80 Ft. JIB

Jib Oper. Rad. Feet	5 Degree Offset			15 Degree Offset			25 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	
80 Ft. BOOM										
35	80.3	167.0	20,600 *							35
40	78.5	165.9	20,400 *							40
45	76.7	164.7	20,300 *							45
50	74.9	163.3	20,100 *	79.9	162.3	19,700*				50
55	73.0	161.8	19,900 *	78.1	160.7	19,500*				55
60	71.2	160.1	19,800 *	76.2	159.0	19,000*				60
65	69.3	158.1	19,600 *	74.3	157.1	18,500*	79.6	154.2	17,200*	65
70	67.3	156.0	19,400 *	72.4	155.0	18,100*	77.7	152.0	16,800*	70
75	65.4	153.7	18,900 *	70.4	152.6	17,600*	75.7	149.7	16,400*	75
80	63.4	151.2	18,400 *	68.4	150.1	17,200*	73.6	147.1	16,000*	80
85	61.4	148.5	17,900 *	66.4	147.3	16,800*	71.5	144.2	15,700*	85
90	59.4	145.5	17,500 *	64.3	144.3	16,400*	69.4	141.2	15,200*	90
100	55.1	138.7	16,600 *	60.0	137.5	15,600*	65.0	134.2	13,900*	100
110	50.6	130.8	15,800 *	55.5	129.5	14,900*	60.3	126.0	12,800*	110
120	45.8	121.5	15,000 *	50.6	120.1	14,300*	55.3	116.2	11,900*	120
130	40.5	110.4	14,300 *	45.2	108.8	13,700*	49.7	104.5	11,100*	130
140	34.5	96.8	13,200	39.2	95.0	13,000*	43.3	89.9	10,500*	140
150	27.4	79.3	11,600	31.9	77.0	11,900				150
160	17.7	53.8	10,100							160
90 Ft. BOOM										
35	80.9	177.1	20,700 *							35
40	79.2	176.2	20,500 *							40
45	77.5	175.0	20,300 *							45
50	75.8	173.7	20,200 *	80.5	172.6	19,700*				50
55	74.0	172.3	20,000 *	78.8	171.2	19,600*				55
60	72.3	170.7	19,900 *	77.0	169.6	19,200*				60
65	70.5	168.9	19,700 *	75.3	167.8	18,800*	80.3	164.7	17,300*	65
70	68.7	166.9	19,600 *	73.5	165.8	18,300*	78.4	162.7	16,900*	70
75	66.9	164.8	19,300 *	71.6	163.6	17,900*	76.6	160.5	16,600*	75
80	65.1	162.4	18,800 *	69.8	161.2	17,500*	74.7	158.1	16,200*	80
85	63.2	159.9	18,300 *	67.9	158.7	17,100*	72.8	155.5	15,900*	85
90	61.3	157.1	17,900 *	66.0	155.9	16,700*	70.8	152.6	15,500*	90
100	57.4	150.9	17,000 *	62.1	149.7	16,000*	66.8	146.3	14,400*	100
110	53.3	143.7	16,200 *	57.9	142.4	15,300*	62.5	138.8	13,300*	110
120	49.0	135.4	15,500 *	53.5	133.9	14,700*	58.0	130.1	12,400*	120
130	44.3	125.5	14,700	48.8	124.0	14,100*	53.1	119.8	11,600*	130
140	39.2	113.9	12,900	43.6	112.2	13,300	47.8	107.5	10,900*	140
150	33.4	99.7	11,300	37.8	97.8	11,700	41.6	92.3	10,300*	150
160	26.6	81.6	9,900	30.7	79.1	10,200				160



Liftcrane Jib Capacities

New York City Code
Jib No. 134 with 12 Ft. 6 in. Strut on
Boom No. 78
105,000 Lb. Counterweight
360 Degree Rating

Meets
ANSI B30.5
Requirements

777 SERIES 1

80 Ft. JIB

Jib Oper. Rad. Feet	5 Degree Offset			15 Degree Offset			25 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	
100 Ft. BOOM										
40	79.8	186.4	20,600 *							40
45	78.2	185.3	20,400 *							45
50	76.6	184.1	20,300 *							50
55	74.9	182.7	20,100 *	79.4	181.6	19,600*				55
60	73.3	181.2	20,000 *	77.8	180.0	19,400*				60
65	71.6	179.5	19,800 *	76.1	178.3	19,000*	80.9	175.2	17,400*	65
70	70.0	177.7	19,700 *	74.4	176.5	18,600*	79.1	173.3	17,100*	70
75	68.3	175.7	19,600 *	72.7	174.5	18,100*	77.4	171.3	16,700*	75
80	66.6	173.5	19,200 *	71.0	172.3	17,700*	75.6	169.0	16,400*	80
85	64.8	171.1	18,700 *	69.3	169.9	17,400*	73.8	166.6	16,000*	85
90	63.1	168.5	18,300 *	67.5	167.3	17,000*	72.0	163.9	15,700*	90
100	59.4	162.8	17,500 *	63.8	161.5	16,300*	68.3	158.0	14,900*	100
110	55.7	156.2	16,700 *	60.0	154.8	15,600*	64.4	151.2	13,800*	110
120	51.7	148.5	16,000 *	56.0	147.1	15,000*	60.3	143.3	12,800*	120
130	47.5	139.7	14,300	51.8	138.2	14,400*	55.9	134.1	12,000*	130
140	43.0	129.4	12,400	47.2	127.8	13,000	51.2	123.3	11,300*	140
150	38.1	117.3	10,900	42.2	115.5	11,300	46.0	110.4	10,700*	150
160	32.5	102.6	9,500	36.5	100.5	9,800	39.9	94.6	10,200*	160
170	25.8	83.8	8,200	29.6	81.2	8,500				170
110 Ft. BOOM										
40	80.3	196.6	20,600 *							40
45	78.8	195.5	20,500 *							45
50	77.3	194.4	20,300 *							50
55	75.7	193.1	20,200 *	80.0	191.9	19,700*				55
60	74.2	191.7	20,000 *	78.5	190.5	19,600*				60
65	72.6	190.1	19,900 *	76.9	188.9	19,200*				65
70	71.1	188.3	19,800 *	75.3	187.1	18,800*	79.8	183.9	17,200*	70
75	69.5	186.4	19,600 *	73.7	185.2	18,400*	78.1	181.9	16,900*	75
80	67.9	184.4	19,500 *	72.1	183.2	18,000*	76.5	179.8	16,500*	80
85	66.2	182.2	19,100 *	70.4	180.9	17,600*	74.8	177.5	16,200*	85
90	64.6	179.8	18,700 *	68.8	178.5	17,300*	73.1	175.1	15,900*	90
100	61.2	174.4	17,900 *	65.4	173.1	16,600*	69.6	169.6	15,300*	100
110	57.7	168.3	17,100 *	61.8	166.9	15,900*	66.0	163.2	14,200*	110
120	54.1	161.3	16,100	58.2	159.8	15,300*	62.2	156.0	13,200*	120
130	50.2	153.2	13,900	54.3	151.7	14,700	58.3	147.6	12,400*	130
140	46.2	143.9	12,100	50.2	142.3	12,700	54.0	137.9	11,700*	140
150	41.8	133.2	10,500	45.8	131.5	11,100	49.4	126.7	11,100*	150
160	37.0	120.6	9,100	40.9	118.6	9,600	44.3	113.3	10,000	160
170	31.6	105.3	7,900	35.3	103.1	8,300				170
180	25.1	86.0	6,800	28.6	83.1	7,100				180



Liftcrane Jib Capacities

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Boom No. 78
105,000 Lb. Counterweight
360 Degree Rating

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Requirements

777 SERIES 1

80 Ft. JIB

Jib Oper. Rad. Feet	5 Degree Offset			15 Degree Offset			25 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	
120 Ft. BOOM										
40	80.8	206.7	20,700 *							40
45	79.4	205.8	20,500 *							45
50	77.9	204.7	20,400 *							50
55	76.5	203.4	20,300 *	80.5	202.2	19,700*				55
60	75.0	202.1	20,100 *	79.1	200.9	19,600*				60
65	73.5	200.6	20,000 *	77.6	199.3	19,400*				65
70	72.0	198.9	19,800 *	76.1	197.7	19,000*	80.3	194.3	17,300*	70
75	70.5	197.2	19,700 *	74.5	195.9	18,600*	78.8	192.5	17,000*	75
80	69.0	195.2	19,600 *	73.0	193.9	18,200*	77.2	190.5	16,700*	80
85	67.5	193.1	19,400 *	71.5	191.8	17,800*	75.6	188.4	16,400*	85
90	65.9	190.9	19,000 *	69.9	189.6	17,500*	74.0	186.1	16,100*	90
100	62.8	185.9	18,200 *	66.7	184.5	16,800*	70.8	180.9	15,500*	100
110	59.5	180.1	17,500 *	63.4	178.7	16,200*	67.4	175.0	14,600*	110
120	56.1	173.6	15,800	60.0	172.2	15,600*	63.9	168.3	13,600*	120
130	52.6	166.2	13,600	56.5	164.7	14,400	60.3	160.6	12,800*	130
140	48.9	157.7	11,800	52.7	156.1	12,500	56.4	151.8	12,100*	140
150	44.9	148.0	10,200	48.7	146.3	10,800	52.3	141.7	11,400*	150
160	40.7	136.9	8,800	44.4	135.0	9,300	47.8	129.9	9,800	160
170	36.0	123.8	7,600	39.7	121.7	8,000	42.9	116.0	8,400	170
180	30.7	108.0	6,500	34.3	105.6	6,900				180
190	24.4	88.1	5,500							190



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777 SERIES 1

80 Ft. JIB

Jib Oper. Rad. Feet	5 Degree Offset			15 Degree Offset			25 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	
130 Ft. BOOM										
45	79.9	216.0	20,600 *							45
50	78.5	214.9	20,500 *							50
55	77.1	213.8	20,300 *	81.0	212.5	19,700*				55
60	75.7	212.5	20,200 *	79.6	211.2	19,600*				60
65	74.3	211.0	20,100 *	78.2	209.8	19,500*				65
70	72.9	209.5	19,900 *	76.8	208.2	19,100*	80.8	204.8	17,400*	70
75	71.5	207.8	19,800 *	75.3	206.5	18,800*	79.3	203.0	17,100*	75
80	70.0	206.0	19,700 *	73.9	204.7	18,400*	77.9	201.1	16,800*	80
85	68.6	204.0	19,600 *	72.4	202.7	18,100*	76.4	199.1	16,500*	85
90	67.1	201.9	19,300 *	70.9	200.5	17,700*	74.9	196.9	16,200*	90
100	64.1	197.1	18,600 *	67.9	195.8	17,100*	71.8	192.1	15,700*	100
110	61.1	191.8	17,800 *	64.8	190.3	16,500*	68.6	186.6	15,000*	110
120	57.9	185.6	15,500	61.7	184.2	15,900*	65.4	180.3	14,000*	120
130	54.6	178.7	13,300	58.3	177.2	14,100	62.0	173.1	13,200*	130
140	51.2	170.9	11,500	54.9	169.3	12,200	58.5	165.0	12,400*	140
150	47.6	162.1	9,900	51.2	160.4	10,500	54.7	155.9	11,100	150
160	43.8	152.0	8,500	47.4	150.2	9,000	50.7	145.3	9,600	160
170	39.6	140.4	7,300	43.2	138.5	7,800	46.4	133.1	8,200	170
180	35.1	126.9	6,200	38.6	124.7	6,600	41.5	118.7	7,000	180
190	30.0	110.7	5,200	33.3	108.1	5,500				190
200	23.8	90.1	4,300							200



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Boom No. 78
105,000 Lb. Counterweight
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Requirements

777 SERIES 1

80 Ft. JIB

Jib Oper. Rad. Feet	5 Degree Offset			15 Degree Offset			25 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg	Jib Point Elev. Feet	Jib Capacity Pounds	
140 Ft. BOOM										
45	80.3	226.1	20,600 *							45
50	79.0	225.1	20,500 *							50
55	77.7	224.0	20,400 *							55
60	76.4	222.8	20,200 *	80.1	221.5	19,700*				60
65	75.0	221.5	20,100 *	78.7	220.2	19,600*				65
70	73.7	220.0	20,000 *	77.4	218.7	19,300*				70
75	72.4	218.4	19,900 *	76.0	217.0	19,000*	79.8	213.5	17,200*	75
80	71.0	216.6	19,800 *	74.6	215.3	18,600*	78.4	211.7	16,900*	80
85	69.6	214.7	19,700 *	73.3	213.4	18,300*	77.0	209.8	16,600*	85
90	68.2	212.7	19,600 *	71.9	211.4	17,900*	75.6	207.7	16,400*	90
100	65.4	208.3	18,900 *	69.0	206.9	17,300*	72.7	203.1	15,800*	100
110	62.5	203.2	17,600	66.1	201.8	16,700*	69.8	197.9	15,300*	110
120	59.5	197.5	15,000	63.1	196.0	16,000	66.7	192.0	14,400*	120
130	56.5	191.0	12,900	60.0	189.5	13,800	63.5	185.4	13,500*	130
140	53.3	183.7	11,000	56.8	182.1	11,800	60.2	177.9	12,600	140
150	49.9	175.6	9,400	53.4	173.9	10,100	56.8	169.4	10,800	150
160	46.4	166.3	8,100	49.9	164.6	8,700	53.1	159.8	9,300	160
170	42.7	155.9	6,800	46.1	154.0	7,400	49.2	148.9	7,900	170
180	38.7	143.9	5,800	42.0	141.8	6,200	45.0	136.2	6,700	180
190	34.3	129.9	4,800	37.5	127.6	5,200	40.3	121.3	5,500	190
200				32.4	110.6	4,200				200



Liftcrane Jib Capacities

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Boom No. 78
105,000 Lb. Counterweight
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Requirements

777 SERIES 1

80 Ft. JIB

Jib Oper. Rad. Feet	5 Degree Offset			15 Degree Offset			25 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	
150 Ft. BOOM										
45	80.8	236.3	20,700 *							45
50	79.5	235.4	20,600 *							50
55	78.2	234.3	20,400 *							55
60	77.0	233.1	20,300 *	80.5	231.8	19,700*				60
65	75.7	231.8	20,200 *	79.2	230.5	19,600*				65
70	74.4	230.4	20,100 *	77.9	229.1	19,500*				70
75	73.1	228.9	20,000 *	76.6	227.5	19,100*	80.3	223.9	17,300*	75
80	71.8	227.2	19,800 *	75.3	225.9	18,800*	79.0	222.2	17,000*	80
85	70.5	225.4	19,700 *	74.0	224.1	18,400*	77.6	220.4	16,700*	85
90	69.2	223.5	19,600 *	72.7	222.1	18,100*	76.3	218.4	16,500*	90
100	66.5	219.3	19,200 *	70.0	217.9	17,500*	73.5	214.1	16,000*	100
110	63.8	214.5	17,300	67.2	213.0	17,000*	70.7	209.2	15,500*	110
120	61.0	209.1	14,700	64.4	207.6	15,700	67.9	203.6	14,700*	120
130	58.1	203.0	12,500	61.5	201.5	13,400	64.9	197.4	13,900*	130
140	55.1	196.2	10,700	58.5	194.6	11,500	61.8	190.3	12,300	140
150	52.0	188.6	9,100	55.4	186.9	9,800	58.6	182.5	10,600	150
160	48.8	180.1	7,700	52.1	178.3	8,400	55.2	173.6	9,000	160
170	45.4	170.5	6,500	48.6	168.7	7,100	51.7	163.7	7,600	170
180	41.7	159.7	5,400	45.0	157.7	5,900	47.9	152.3	6,400	180
190	37.8	147.3	4,400	41.0	145.1	4,900	43.7	139.3	5,300	190
160 Ft. BOOM										
50	79.9	245.5	20,600 *							50
55	78.7	244.5	20,500 *							55
60	77.5	243.4	20,400 *	80.9	242.1	19,700*				60
65	76.3	242.2	20,200 *	79.7	240.8	19,600*				65
70	75.1	240.8	20,100 *	78.5	239.5	19,600*				70
75	73.9	239.4	20,000 *	77.2	238.0	19,300*	80.7	234.3	17,400*	75
80	72.6	237.8	19,900 *	76.0	236.4	18,900*	79.5	232.7	17,100*	80
85	71.4	236.1	19,800 *	74.7	234.7	18,600*	78.2	230.9	16,900*	85
90	70.1	234.2	19,700 *	73.4	232.8	18,300*	76.9	229.1	16,600*	90
100	67.6	230.2	19,500 *	70.9	228.8	17,700*	74.3	225.0	16,100*	100
110	65.0	225.7	17,000	68.3	224.2	17,200*	71.6	220.3	15,600*	110
120	62.3	220.5	14,400	65.6	219.0	15,500	68.9	215.0	15,000*	120
130	59.6	214.8	12,200	62.8	213.2	13,200	66.1	209.1	14,200*	130
140	56.8	208.4	10,300	60.0	206.8	11,200	63.2	202.5	12,100	140
150	53.9	201.3	8,800	57.1	199.6	9,500	60.2	195.2	10,300	150
160	50.8	193.3	7,400	54.0	191.6	8,100	57.1	187.0	8,800	160
170	47.7	184.5	6,200	50.8	182.7	6,800	53.8	177.8	7,400	170
180	44.3	174.5	5,100	47.5	172.6	5,600	50.3	167.4	6,200	180
190	40.8	163.3	4,100	43.9	161.3	4,600	46.6	155.7	5,100	190
200							42.6	142.2	4,100	200



Liftcrane Jib Capacities

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Boom No. 78
105,000 Lb. Counterweight
360 Degree Rating

Meets
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Requirements

777 SERIES 1

80 Ft. JIB

Jib Oper. Rad. Feet	5 Degree Offset			15 Degree Offset			25 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	
170 Ft. BOOM										
50	80.4	255.7	20,600 *							50
55	79.2	254.7	20,500 *							55
60	78.0	253.7	20,400 *							60
65	76.9	252.5	20,300 *	80.1	251.1	19,700*				65
70	75.7	251.2	20,200 *	78.9	249.8	19,600*				70
75	74.5	249.8	20,100 *	77.7	248.4	19,400*				75
80	73.3	248.3	20,000 *	76.6	246.9	19,100*	79.9	243.1	17,200*	80
85	72.1	246.6	19,900 *	75.4	245.2	18,800*	78.7	241.5	17,000*	85
90	70.9	244.9	19,800 *	74.1	243.5	18,500*	77.5	239.7	16,700*	90
100	68.5	241.1	19,600 *	71.7	239.6	17,900*	75.0	235.7	16,200*	100
110	66.0	236.7	16,600	69.2	235.2	17,400*	72.4	231.3	15,800*	110
120	63.5	231.8	14,000	66.7	230.3	15,200	69.9	226.3	15,300*	120
130	60.9	226.4	11,800	64.1	224.8	12,900	67.2	220.7	13,900	130
140	58.3	220.3	10,000	61.4	218.8	10,900	64.5	214.5	11,900	140
150	55.5	213.6	8,400	58.6	212.0	9,200	61.7	207.6	10,100	150
160	52.7	206.2	7,000	55.8	204.5	7,800	58.7	199.9	8,500	160
170	49.7	197.9	5,800	52.8	196.1	6,500	55.7	191.4	7,100	170
180	46.7	188.7	4,700	49.7	186.9	5,300	52.5	181.8	5,900	180
190				46.4	176.5	4,300	49.1	171.1	4,800	190
180 Ft. BOOM										
50	80.7	265.9	20,700 *							50
55	79.6	264.9	20,600 *							55
60	78.5	263.9	20,500 *							60
65	77.4	262.8	20,400 *	80.5	261.4	19,700*				65
70	76.3	261.5	20,200 *	79.4	260.1	19,600*				70
75	75.1	260.2	20,100 *	78.2	258.8	19,500*				75
80	74.0	258.7	20,000 *	77.1	257.3	19,200*	80.3	253.5	17,300*	80
85	72.8	257.2	19,900 *	75.9	255.8	18,900*	79.2	251.9	17,000*	85
90	71.7	255.5	18,100	74.8	254.1	18,600*	78.0	250.2	16,800*	90
100	69.4	251.8	14,300	72.4	250.4	16,300	75.6	246.4	16,300*	100
110	67.0	247.7	11,200	70.1	246.2	13,000	73.2	242.2	14,900	110
120	64.6	243.0	8,700	67.6	241.5	10,300	70.7	237.4	12,000	120
130	62.1	237.8	6,600	65.2	236.3	8,000	68.2	232.1	9,500	130
140	59.6	232.1	4,800	62.6	230.5	6,100	65.6	226.2	7,400	140
150				60.0	224.1	4,400	62.9	219.7	5,600	150
160							60.2	212.5	4,000	160