

Liftcrane Luffing Jib Capacities

**New York City Code
Luffing Jib No. 139 on Boom No. 78
105,000 Lb. Counterweight
360 Degree Rating**

777 SERIES 1

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

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

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

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

MACHINE TRAVEL: Machine to travel on a firm, level and uniformly supporting surface with boom and luffing jib within angle range shown in capacity chart. Refer to Maximum Allowable Travel Specification chart No. 7987-A.

OPERATING RADIUS: Operating radius is horizontal distance from axis of rotation to center of vertical hoist line or load block. Boom angle is angle between horizontal and centerline of boom butt and inserts. Luffing jib angle is angle between horizontal and centerline of luffing jib butt and inserts, and is an indication of operating radius. In all cases, operating radius shall govern capacity.

LUFFING JIB POINT ELEVATION: Luffing jib point elevation is vertical distance from ground level to centerline of luffing jib point shaft.

MACHINE EQUIPMENT: Machine equipped with 24 Ft. 9 in. crawlers, 38 in. or 48 in. treads, two 12 in. boom hoist cylinders, 26 Ft. mast, four 1-1/4 in. boom pendants, 7 part luffing jib hoist reeving, two 1-1/2 in. luffing jib pendants, two 1-3/8 in. luffing jib backstays, and 105,000 Lb. counterweight.

Consult chart **No. 8069-A** for lifting off lower boom point with luffing jib attached.



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70 Ft. Boom, 70 Ft. Jib

| Jib Oper. Rad. Feet | 88 Degree Boom Angle | | | 83 Degree Boom Angle | | | 80 Degree Boom Angle | | | 75 Degree Boom Angle | | | 70 Degree Boom Angle | | | 65 Degree Boom Angle | | | 60 Degree Boom Angle | | | Jib Oper. Rad. Feet |
|------------------------------|-------------------------|-------------------------------|-----------------------------------|-------------------------|-------------------------------|-----------------------------------|-------------------------|-------------------------------|-----------------------------------|-------------------------|-------------------------------|-----------------------------------|-------------------------|-------------------------------|-----------------------------------|-------------------------|-------------------------------|-----------------------------------|-------------------------|-------------------------------|-----------------------------------|------------------------------|
| | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | |
| 30 | 70.9 | 146.0 | 104,600 *b | | | | | | | | | | | | | | | | | | | 30 |
| 35 | 66.5 | 144.1 | 100,100 *b | | | | | | | | | | | | | | | | | | | 35 |
| 40 | 61.9 | 141.7 | 89,600 b | 67.6 | 144.1 | 85,700 b | | | | | | | | | | | | | | | | 40 |
| 45 | 57.2 | 138.7 | 76,700 | 63.1 | 141.8 | 73,300 b | 66.5 | 142.9 | 71,300 b | | | | | | | | | | | | | 45 |
| 50 | 52.1 | 135.2 | 66,800 | 58.4 | 139.0 | 63,900 | 61.9 | 140.5 | 62,200 b | | | | | | | | | | | | | 50 |
| 55 | 46.8 | 130.9 | 59,100 | 53.5 | 135.6 | 56,500 | 57.2 | 137.6 | 55,000 | 63.0 | 139.6 | 52,400 b | | | | | | | | | | 55 |
| 60 | 40.8 | 125.7 | 52,900 | 48.2 | 131.5 | 50,600 | 52.2 | 134.0 | 49,200 | 58.3 | 136.8 | 46,800 | | | | | | | | | | 60 |
| 65 | 34.1 | 119.2 | 47,800 | 42.4 | 126.6 | 45,700 | 46.8 | 129.7 | 44,400 | 53.4 | 133.4 | 42,300 | | | | | | | | | | 65 |
| 70 | 25.9 | 110.5 | 43,400 | 36.0 | 120.4 | 41,500 | 40.9 | 124.5 | 40,400 | 48.1 | 129.3 | 38,500 | 54.4 | 132.2 | 36,500 | | | | | | | 70 |
| 75 | 13.9 | 96.7 | 39,700 | 28.3 | 112.5 | 38,000 | 34.2 | 118.0 | 37,000 | 42.3 | 124.4 | 35,200 | 49.2 | 128.2 | 33,400 | | | | | | | 75 |
| 80 | | | | 17.8 | 100.7 | 35,000 | 26.0 | 109.4 | 34,000 | 35.8 | 118.2 | 32,400 | 43.5 | 123.5 | 30,800 | 50.0 | 126.4 | 29,200 | | | | 80 |
| 85 | | | | | | | 14.0 | 95.7 | 31,400 | 28.1 | 110.2 | 29,900 | 37.2 | 117.6 | 28,400 | 44.5 | 121.8 | 27,000 | | | | 85 |
| 90 | | | | | | | | | | 17.5 | 98.3 | 27,700 | 29.8 | 110.0 | 26,400 | 38.3 | 116.1 | 25,000 | 45.1 | 119.4 | 23,700 | 90 |
| 95 | | | | | | | | | | | | | 20.0 | 99.2 | 24,500 | 31.1 | 108.9 | 23,300 | 39.0 | 113.8 | 22,000 | 95 |
| 100 | | | | | | | | | | | | | | | | 21.9 | 98.8 | 21,700 | 31.9 | 106.8 | 20,500 | 100 |
| 105 | | | | | | | | | | | | | | | | 1.7 | 74.8 | 20,200 | 23.1 | 97.2 | 19,200 | 105 |
| 110 | | | | | | | | | | | | | | | | | | | 7.5 | 78.9 | 17,900 | 110 |



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777 SERIES 1

70 Ft. Boom, 80 Ft. Jib

| Jib Oper. Rad. Feet | 88 Degree Boom Angle | | | 83 Degree Boom Angle | | | 80 Degree Boom Angle | | | 75 Degree Boom Angle | | | 70 Degree Boom Angle | | | 65 Degree Boom Angle | | | 60 Degree Boom Angle | | | Jib Oper. Rad. Feet |
|------------------------------|-------------------------|-------------------------------|-----------------------------------|-------------------------|-------------------------------|-----------------------------------|-------------------------|-------------------------------|-----------------------------------|-------------------------|-------------------------------|-----------------------------------|-------------------------|-------------------------------|-----------------------------------|-------------------------|-------------------------------|-----------------------------------|-------------------------|-------------------------------|-----------------------------------|------------------------------|
| | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | |
| 30 | 73.3 | 156.6 | 95,900 *b | | | | | | | | | | | | | | | | | | | 30 |
| 35 | 69.5 | 154.9 | 91,800 *b | | | | | | | | | | | | | | | | | | | 35 |
| 40 | 65.7 | 152.8 | 88,000 * | 70.5 | 154.8 | 85,400 b | | | | | | | | | | | | | | | | 40 |
| 45 | 61.7 | 150.3 | 76,400 | 66.7 | 152.8 | 73,000 | | | | | | | | | | | | | | | | 45 |
| 50 | 57.5 | 147.4 | 66,600 | 62.7 | 150.4 | 63,600 | 65.7 | 151.6 | 61,800 | | | | | | | | | | | | | 50 |
| 55 | 53.2 | 144.0 | 58,900 | 58.6 | 147.6 | 56,200 | 61.7 | 149.2 | 54,700 | | | | | | | | | | | | | 55 |
| 60 | 48.6 | 139.9 | 52,700 | 54.3 | 144.3 | 50,300 | 57.6 | 146.2 | 48,900 | 62.6 | 148.3 | 46,500 | | | | | | | | | | 60 |
| 65 | 43.6 | 135.1 | 47,600 | 49.8 | 140.4 | 45,400 | 53.2 | 142.8 | 44,100 | 58.5 | 145.5 | 41,900 | | | | | | | | | | 65 |
| 70 | 38.1 | 129.3 | 43,300 | 44.9 | 135.8 | 41,300 | 48.6 | 138.7 | 40,100 | 54.2 | 142.2 | 38,100 | | | | | | | | | | 70 |
| 75 | 31.9 | 122.1 | 39,600 | 39.6 | 130.3 | 37,800 | 43.6 | 133.9 | 36,700 | 49.7 | 138.3 | 34,900 | 55.1 | 140.9 | 33,100 | | | | | | | 75 |
| 80 | 24.2 | 112.7 | 36,400 | 33.6 | 123.6 | 34,800 | 38.1 | 128.1 | 33,800 | 44.8 | 133.6 | 32,100 | 50.6 | 137.1 | 30,400 | | | | | | | 80 |
| 85 | 13.0 | 97.9 | 33,600 * | 26.4 | 114.9 | 32,100 | 31.9 | 121.0 | 31,200 | 39.5 | 128.1 | 29,600 | 45.8 | 132.6 | 28,100 | 51.3 | 135.3 | 26,600 | | | | 85 |
| 90 | | | | 16.6 | 102.2 | 29,800 | 24.3 | 111.6 | 28,900 | 33.4 | 121.3 | 27,500 | 40.6 | 127.3 | 26,100 | 46.6 | 130.9 | 24,600 | | | | 90 |
| 95 | | | | | | | 13.1 | 96.8 | 26,900 | 26.2 | 112.6 | 25,600 | 34.7 | 120.8 | 24,200 | 41.4 | 125.7 | 22,900 | 47.1 | 128.4 | 21,600 | 95 |
| 100 | | | | | | | | | | 16.3 | 99.8 | 23,900 | 27.8 | 112.6 | 22,600 | 35.7 | 119.5 | 21,400 | 42.0 | 123.4 | 20,200 | 100 |
| 105 | | | | | | | | | | | | | 18.7 | 100.9 | 21,100 | 29.0 | 111.6 | 20,000 | 36.4 | 117.2 | 18,800 | 105 |
| 110 | | | | | | | | | | | | | | | | 20.4 | 100.7 | 18,700 | 29.8 | 109.6 | 17,600 | 110 |
| 115 | | | | | | | | | | | | | | | | 1.6 | 75.0 | 17,500 | 21.6 | 99.2 | 16,500 | 115 |
| 120 | | | | | | | | | | | | | | | | | | | 7.0 | 79.5 | 15,500 | 120 |



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70 Ft. Boom, 90 Ft. Jib

| Jib Oper. Rad. Feet | 88 Degree Boom Angle | | | 83 Degree Boom Angle | | | 80 Degree Boom Angle | | | 75 Degree Boom Angle | | | 70 Degree Boom Angle | | | 65 Degree Boom Angle | | | 60 Degree Boom Angle | | | Jib Oper. Rad. Feet | |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|-----|
| | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | | |
| 30 | 75.2 | 166.9 | 86,100 *b | | | | | | | | | | | | | | | | | | | 30 | |
| 35 | 71.9 | 165.5 | 82,100 *b | | | | | | | | | | | | | | | | | | | 35 | |
| 40 | 68.5 | 163.7 | 78,100 * | | | | | | | | | | | | | | | | | | | 40 | |
| 45 | 65.1 | 161.5 | 74,500 * | 69.4 | 163.6 | 72,800 | | | | | | | | | | | | | | | | 45 | |
| 50 | 61.5 | 159.0 | 66,500 | 66.0 | 161.5 | 63,400 | | | | | | | | | | | | | | | | 50 | |
| 55 | 57.8 | 156.1 | 58,700 | 62.4 | 159.1 | 56,000 | 65.1 | 160.3 | 54,400 | | | | | | | | | | | | | 55 | |
| 60 | 54.0 | 152.7 | 52,500 | 58.8 | 156.3 | 50,100 | 61.5 | 157.8 | 48,600 | | | | | | | | | | | | | 60 | |
| 65 | 49.9 | 148.8 | 47,400 | 55.0 | 153.0 | 45,200 | 57.8 | 154.9 | 43,900 | 62.3 | 157.0 | 41,700 | | | | | | | | | | 65 | |
| 70 | 45.6 | 144.2 | 43,100 | 51.0 | 149.3 | 41,100 | 54.0 | 151.5 | 39,900 | 58.7 | 154.2 | 37,900 | | | | | | | | | | 70 | |
| 75 | 41.0 | 138.9 | 39,500 | 46.8 | 144.9 | 37,600 | 49.9 | 147.6 | 36,500 | 54.9 | 150.9 | 34,700 | | | | | | | | | | 75 | |
| 80 | 35.8 | 132.6 | 36,300 | 42.2 | 139.8 | 34,600 | 45.6 | 143.1 | 33,600 | 50.9 | 147.1 | 31,900 | 55.7 | 149.6 | 30,200 | | | | | | | | 80 |
| 85 | 30.0 | 124.9 | 33,600 | 37.2 | 133.8 | 32,000 | 41.0 | 137.8 | 31,000 | 46.7 | 142.7 | 29,400 | 51.7 | 145.9 | 27,900 | | | | | | | | 85 |
| 90 | 22.8 | 114.8 | 31,200 | 31.6 | 126.5 | 29,700 | 35.9 | 131.5 | 28,800 | 42.1 | 137.6 | 27,300 | 47.5 | 141.7 | 25,800 | 52.4 | 144.0 | 24,400 | | | | | 90 |
| 95 | 12.2 | 99.0 | 29,000 * | 24.9 | 117.2 | 27,700 | 30.0 | 123.8 | 26,800 | 37.1 | 131.6 | 25,400 | 43.0 | 136.7 | 24,000 | 48.2 | 139.9 | 22,700 | | | | | 95 |
| 100 | | | | 15.7 | 103.6 | 25,800 | 22.9 | 113.7 | 25,000 | 31.5 | 124.2 | 23,700 | 38.2 | 130.9 | 22,400 | 43.8 | 135.1 | 21,200 | | | | | 100 |
| 105 | | | | | | | 12.3 | 98.0 | 23,400 | 24.7 | 114.9 | 22,200 | 32.7 | 123.8 | 21,000 | 39.0 | 129.4 | 19,800 | 44.3 | 132.6 | 18,600 | | 105 |
| 110 | | | | | | | | | | 15.4 | 101.2 | 20,800 | 26.2 | 115.0 | 19,700 | 33.6 | 122.6 | 18,500 | 39.5 | 127.1 | 17,400 | | 110 |
| 115 | | | | | | | | | | | | | 17.6 | 102.5 | 18,500 | 27.3 | 114.1 | 17,400 | 34.2 | 120.4 | 16,300 | | 115 |
| 120 | | | | | | | | | | | | | | | | 19.2 | 102.4 | 16,300 | 28.1 | 112.1 | 15,400 | | 120 |
| 125 | | | | | | | | | | | | | | | | 1.5 | 75.1 | 15,300 | 20.3 | 101.0 | 14,400 | | 125 |
| 130 | | | | | | | | | | | | | | | | | | | 6.6 | 80.1 | 13,500 | | 130 |



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 105,000 Lb. Counterweight
 360 Degree Rating

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 The Scope of ANSI B30.5

777 SERIES 1

70 Ft. Boom, 100 Ft. Jib

| Jib Oper. Rad. Feet | 88 Degree Boom Angle | | | 83 Degree Boom Angle | | | 80 Degree Boom Angle | | | 75 Degree Boom Angle | | | 70 Degree Boom Angle | | | 65 Degree Boom Angle | | | 60 Degree Boom Angle | | | Jib Oper. Rad. Feet |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | |
| 35 | 73.8 | 175.9 | 76,300 *b | | | | | | | | | | | | | | | | | | | 35 |
| 40 | 70.8 | 174.3 | 73,000 * | | | | | | | | | | | | | | | | | | | 40 |
| 45 | 67.7 | 172.4 | 69,400 * | | | | | | | | | | | | | | | | | | | 45 |
| 50 | 64.6 | 170.2 | 66,200 * | 68.5 | 172.4 | 63,100 | | | | | | | | | | | | | | | | 50 |
| 55 | 61.3 | 167.7 | 58,500 | 65.4 | 170.2 | 55,800 | 67.7 | 171.3 | 54,100 | | | | | | | | | | | | | 55 |
| 60 | 58.0 | 164.7 | 52,300 | 62.2 | 167.8 | 49,800 | 64.6 | 169.0 | 48,300 | | | | | | | | | | | | | 60 |
| 65 | 54.6 | 161.4 | 47,200 | 58.9 | 165.0 | 44,900 | 61.4 | 166.5 | 43,600 | | | | | | | | | | | | | 65 |
| 70 | 51.0 | 157.6 | 42,900 | 55.5 | 161.7 | 40,800 | 58.0 | 163.6 | 39,600 | 62.1 | 165.7 | 37,500 | | | | | | | | | | 70 |
| 75 | 47.2 | 153.3 | 39,300 | 51.9 | 158.1 | 37,300 | 54.6 | 160.2 | 36,200 | 58.8 | 162.8 | 34,300 | | | | | | | | | | 75 |
| 80 | 43.2 | 148.3 | 36,100 | 48.2 | 153.9 | 34,400 | 51.0 | 156.4 | 33,300 | 55.4 | 159.6 | 31,500 | | | | | | | | | | 80 |
| 85 | 38.8 | 142.6 | 33,400 | 44.2 | 149.1 | 31,700 | 47.2 | 152.1 | 30,800 | 51.9 | 155.9 | 29,100 | 56.1 | 158.3 | 27,500 | | | | | | | 85 |
| 90 | 34.0 | 135.8 | 31,000 | 39.9 | 143.5 | 29,400 | 43.2 | 147.1 | 28,500 | 48.1 | 151.7 | 27,000 | 52.6 | 154.7 | 25,500 | | | | | | | 90 |
| 95 | 28.4 | 127.5 | 28,900 | 35.3 | 137.1 | 27,400 | 38.8 | 141.4 | 26,500 | 44.1 | 146.9 | 25,100 | 48.9 | 150.6 | 23,700 | | | | | | | 95 |
| 100 | 21.6 | 116.8 | 26,900 | 29.9 | 129.2 | 25,600 | 34.0 | 134.6 | 24,800 | 39.9 | 141.3 | 23,400 | 44.9 | 145.9 | 22,100 | 49.5 | 148.8 | 20,800 | | | | 100 |
| 105 | 11.6 | 100.0 | 25,000 * | 23.6 | 119.3 | 24,000 | 28.5 | 126.4 | 23,200 | 35.1 | 134.8 | 21,900 | 40.7 | 140.5 | 20,700 | 45.6 | 144.2 | 19,400 | | | | 105 |
| 110 | | | | 14.8 | 105.0 | 22,500 | 21.7 | 115.7 | 21,700 | 29.8 | 127.0 | 20,500 | 36.1 | 134.2 | 19,400 | 41.4 | 139.0 | 18,200 | 46.0 | 141.8 | 17,000 | 110 |
| 115 | | | | | | | 11.7 | 99.0 | 20,400 | 23.4 | 117.0 | 19,300 | 30.9 | 126.7 | 18,200 | 36.9 | 132.8 | 17,100 | 41.9 | 136.6 | 16,000 | 115 |
| 120 | | | | | | | | | | 14.6 | 102.5 | 18,100 | 24.8 | 117.2 | 17,100 | 31.8 | 125.5 | 16,000 | 37.4 | 130.6 | 15,000 | 120 |
| 125 | | | | | | | | | | | | | 16.7 | 104.0 | 16,100 | 25.9 | 116.4 | 15,100 | 32.4 | 123.4 | 14,100 | 125 |
| 130 | | | | | | | | | | | | | | | | 18.2 | 104.1 | 14,200 | 26.6 | 114.6 | 13,300 | 130 |
| 135 | | | | | | | | | | | | | | | | 1.4 | 75.2 | 13,300 | 19.3 | 102.8 | 12,500 | 135 |
| 140 | | | | | | | | | | | | | | | | | | | 6.2 | 80.7 | 11,700 | 140 |



Liftcrane Luffing Jib Capacities

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105,000 Lb. Counterweight
360 Degree Rating**

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70 Ft. Boom, 110 Ft. Jib

| Jib Oper. Rad. Feet | 88 Degree Boom Angle | | | 83 Degree Boom Angle | | | 80 Degree Boom Angle | | | 75 Degree Boom Angle | | | 70 Degree Boom Angle | | | 65 Degree Boom Angle | | | 60 Degree Boom Angle | | | Jib Oper. Rad. Feet |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | |
| 35 | 75.3 | 186.3 | 70,700 *b | | | | | | | | | | | | | | | | | | | 35 |
| 40 | 72.6 | 184.9 | 67,700 * | | | | | | | | | | | | | | | | | | | 40 |
| 45 | 69.8 | 183.2 | 64,800 * | | | | | | | | | | | | | | | | | | | 45 |
| 50 | 67.0 | 181.2 | 61,900 * | 70.5 | 183.0 | 63,100 | | | | | | | | | | | | | | | | 50 |
| 55 | 64.2 | 178.9 | 58,400 | 67.7 | 181.1 | 55,700 | | | | | | | | | | | | | | | | 55 |
| 60 | 61.2 | 176.3 | 52,200 | 64.9 | 178.9 | 49,700 | 67.0 | 180.0 | 48,200 | | | | | | | | | | | | | 60 |
| 65 | 58.2 | 173.4 | 47,100 | 62.0 | 176.4 | 44,900 | 64.2 | 177.7 | 43,500 | | | | | | | | | | | | | 65 |
| 70 | 55.1 | 170.1 | 42,900 | 59.0 | 173.6 | 40,800 | 61.2 | 175.2 | 39,500 | | | | | | | | | | | | | 70 |
| 75 | 51.8 | 166.4 | 39,200 | 55.9 | 170.4 | 37,300 | 58.2 | 172.2 | 36,100 | 61.9 | 174.3 | 34,200 | | | | | | | | | | 75 |
| 80 | 48.5 | 162.2 | 36,100 | 52.7 | 166.8 | 34,300 | 55.1 | 168.9 | 33,200 | 58.9 | 171.5 | 31,500 | | | | | | | | | | 80 |
| 85 | 44.9 | 157.5 | 33,400 | 49.3 | 162.8 | 31,700 | 51.9 | 165.2 | 30,700 | 55.8 | 168.3 | 29,100 | | | | | | | | | | 85 |
| 90 | 41.1 | 152.2 | 31,000 | 45.8 | 158.2 | 29,400 | 48.5 | 161.1 | 28,500 | 52.6 | 164.7 | 26,900 | 56.5 | 167.0 | 25,400 | | | | | | | 90 |
| 95 | 36.9 | 146.0 | 28,900 | 42.1 | 153.0 | 27,400 | 44.9 | 156.4 | 26,500 | 49.3 | 160.6 | 25,100 | 53.3 | 163.4 | 23,600 | | | | | | | 95 |
| 100 | 32.3 | 138.7 | 27,000 | 38.0 | 147.1 | 25,600 | 41.1 | 151.0 | 24,800 | 45.7 | 156.0 | 23,400 | 50.0 | 159.5 | 22,000 | | | | | | | 100 |
| 105 | 27.1 | 130.0 | 25,300 | 33.6 | 140.1 | 24,000 | 36.9 | 144.8 | 23,200 | 42.0 | 150.8 | 21,900 | 46.5 | 155.0 | 20,600 | 50.5 | 157.7 | 19,400 | | | | 105 |
| 110 | 20.6 | 118.7 | 23,700 | 28.5 | 131.8 | 22,500 | 32.4 | 137.6 | 21,800 | 37.9 | 144.9 | 20,500 | 42.8 | 150.0 | 19,300 | 47.0 | 153.3 | 18,100 | | | | 110 |
| 115 | 11.1 | 101.0 | 22,000 * | 22.5 | 121.3 | 21,200 | 27.1 | 128.8 | 20,500 | 33.5 | 137.9 | 19,300 | 38.8 | 144.1 | 18,100 | 43.4 | 148.3 | 17,000 | 47.4 | 150.8 | 15,900 | 115 |
| 120 | | | | 14.2 | 106.2 | 19,900 | 20.7 | 117.5 | 19,300 | 28.4 | 129.6 | 18,200 | 34.4 | 137.4 | 17,100 | 39.4 | 142.6 | 16,000 | 43.8 | 145.9 | 15,000 | 120 |
| 125 | | | | | | | 11.2 | 100.0 | 18,100 | 22.3 | 119.0 | 17,100 | 29.5 | 129.4 | 16,100 | 35.1 | 136.1 | 15,100 | 39.9 | 140.3 | 14,100 | 125 |
| 130 | | | | | | | | | | 13.9 | 103.7 | 16,100 | 23.6 | 119.4 | 15,200 | 30.3 | 128.3 | 14,200 | 35.6 | 133.9 | 13,300 | 130 |
| 135 | | | | | | | | | | | | | 15.9 | 105.5 | 14,300 | 24.7 | 118.7 | 13,400 | 30.9 | 126.2 | 12,500 | 135 |
| 140 | | | | | | | | | | | | | | | | 17.4 | 105.7 | 12,700 | 25.4 | 116.9 | 11,800 | 140 |
| 145 | | | | | | | | | | | | | | | | 1.3 | 75.3 | 11,900 | 18.3 | 104.4 | 11,100 | 145 |
| 150 | | | | | | | | | | | | | | | | | | | 5.9 | 81.2 | 10,500 | 150 |



Liftcrane Luffing Jib Capacities

New York City Code
 Luffing Jib No. 139 on Boom No. 78
 105,000 Lb. Counterweight
 360 Degree Rating

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

777 SERIES 1

70 Ft. Boom, 120 Ft. Jib

| Jib Oper. Rad. Feet | 88 Degree Boom Angle | | | 83 Degree Boom Angle | | | 80 Degree Boom Angle | | | 75 Degree Boom Angle | | | 70 Degree Boom Angle | | | 65 Degree Boom Angle | | | 60 Degree Boom Angle | | | Jib Oper. Rad. Feet |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | |
| 40 | 74.1 | 195.3 | 62,800 * | | | | | | | | | | | | | | | | | | | 40 |
| 45 | 71.6 | 193.8 | 59,900 * | | | | | | | | | | | | | | | | | | | 45 |
| 50 | 69.0 | 192.0 | 57,300 * | | | | | | | | | | | | | | | | | | | 50 |
| 55 | 66.4 | 189.9 | 54,700 * | 69.7 | 191.9 | 55,400 | | | | | | | | | | | | | | | | 55 |
| 60 | 63.8 | 187.6 | 52,000 | 67.1 | 189.9 | 49,500 | | | | | | | | | | | | | | | | 60 |
| 65 | 61.1 | 185.0 | 46,900 | 64.5 | 187.6 | 44,600 | 66.5 | 188.7 | 43,200 | | | | | | | | | | | | | 65 |
| 70 | 58.4 | 182.1 | 42,600 | 61.8 | 185.1 | 40,500 | 63.8 | 186.4 | 39,200 | | | | | | | | | | | | | 70 |
| 75 | 55.5 | 178.8 | 39,000 | 59.1 | 182.3 | 37,000 | 61.1 | 183.8 | 35,800 | | | | | | | | | | | | | 75 |
| 80 | 52.6 | 175.2 | 35,900 | 56.3 | 179.1 | 34,000 | 58.4 | 180.9 | 32,900 | 61.8 | 183.0 | 31,100 | | | | | | | | | | 80 |
| 85 | 49.5 | 171.1 | 33,100 | 53.3 | 175.6 | 31,400 | 55.5 | 177.6 | 30,400 | 59.0 | 180.1 | 28,700 | | | | | | | | | | 85 |
| 90 | 46.3 | 166.6 | 30,700 | 50.3 | 171.7 | 29,100 | 52.6 | 174.0 | 28,200 | 56.2 | 177.0 | 26,600 | | | | | | | | | | 90 |
| 95 | 42.9 | 161.6 | 28,600 | 47.1 | 167.3 | 27,100 | 49.5 | 170.0 | 26,200 | 53.3 | 173.4 | 24,700 | 56.8 | 175.6 | 23,300 | | | | | | | 95 |
| 100 | 39.2 | 155.8 | 26,700 | 43.8 | 162.3 | 25,300 | 46.3 | 165.5 | 24,500 | 50.2 | 169.5 | 23,100 | 53.9 | 172.2 | 21,700 | | | | | | | 100 |
| 105 | 35.3 | 149.2 | 25,000 | 40.2 | 156.8 | 23,700 | 42.9 | 160.4 | 22,900 | 47.0 | 165.1 | 21,600 | 50.8 | 168.3 | 20,300 | | | | | | | 105 |
| 110 | 30.9 | 141.6 | 23,500 | 36.3 | 150.4 | 22,200 | 39.3 | 154.7 | 21,500 | 43.7 | 160.2 | 20,200 | 47.7 | 164.0 | 19,000 | 51.3 | 166.5 | 17,800 | | | | 110 |
| 115 | 25.9 | 132.3 | 22,100 | 32.1 | 143.1 | 20,900 | 35.3 | 148.1 | 20,200 | 40.1 | 154.6 | 19,000 | 44.4 | 159.2 | 17,800 | 48.2 | 162.2 | 16,700 | | | | 115 |
| 120 | 19.7 | 120.4 | 20,800 | 27.3 | 134.3 | 19,700 | 30.9 | 140.4 | 19,000 | 36.3 | 148.2 | 17,900 | 40.8 | 153.8 | 16,800 | 44.9 | 157.5 | 15,700 | | | | 120 |
| 125 | 10.6 | 102.0 | 19,200 * | 21.5 | 123.3 | 18,600 | 25.9 | 131.2 | 17,900 | 32.0 | 140.8 | 16,800 | 37.1 | 147.6 | 15,800 | 41.4 | 152.2 | 14,700 | 45.3 | 155.1 | 13,700 | 125 |
| 130 | | | | 13.5 | 107.4 | 17,500 | 19.8 | 119.3 | 16,900 | 27.2 | 132.0 | 15,900 | 32.9 | 140.4 | 14,900 | 37.7 | 146.1 | 13,900 | 41.8 | 149.8 | 12,900 | 130 |
| 135 | | | | | | | 10.7 | 101.0 | 16,000 | 21.3 | 120.9 | 15,000 | 28.2 | 132.0 | 14,000 | 33.6 | 139.2 | 13,100 | 38.1 | 143.9 | 12,200 | 135 |
| 140 | | | | | | | | | | 13.3 | 104.9 | 14,200 | 22.6 | 121.4 | 13,300 | 29.0 | 130.9 | 12,400 | 34.1 | 137.0 | 11,500 | 140 |
| 145 | | | | | | | | | | | | | 15.3 | 106.8 | 12,500 | 23.6 | 120.8 | 11,700 | 29.5 | 128.9 | 10,800 | 145 |
| 150 | | | | | | | | | | | | | | | | 16.6 | 107.2 | 11,000 | 24.3 | 119.1 | 10,200 | 150 |
| 155 | | | | | | | | | | | | | | | | 17.6 | 106.0 | 10,400 | 17.6 | 106.0 | 9,600 | 155 |
| 160 | | | | | | | | | | | | | | | | 1.3 | 75.5 | 10,400 | 5.7 | 81.7 | 9,100 | 160 |



Liftcrane Luffing Jib Capacities

777 SERIES 1

**New York City Code
Luffing Jib No. 139 on Boom No. 78
105,000 Lb. Counterweight
360 Degree Rating**

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

70 Ft. Boom, 130 Ft. Jib

| Jib Oper. Rad. Feet | 88 Degree Boom Angle | | | 83 Degree Boom Angle | | | 80 Degree Boom Angle | | | 75 Degree Boom Angle | | | 70 Degree Boom Angle | | | 65 Degree Boom Angle | | | 60 Degree Boom Angle | | | Jib Oper. Rad. Feet |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | |
| 40 | 75.3 | 205.7 | 51,700 * | | | | | | | | | | | | | | | | | | | 40 |
| 45 | 73.0 | 204.3 | 50,500 * | | | | | | | | | | | | | | | | | | | 45 |
| 50 | 70.7 | 202.6 | 49,000 * | | | | | | | | | | | | | | | | | | | 50 |
| 55 | 68.4 | 200.7 | 46,900 * | | | | | | | | | | | | | | | | | | | 55 |
| 60 | 66.0 | 198.6 | 44,800 * | 69.0 | 200.7 | 47,500 * | | | | | | | | | | | | | | | | 60 |
| 65 | 63.5 | 196.3 | 42,900 * | 66.6 | 198.6 | 44,300 | | | | | | | | | | | | | | | | 65 |
| 70 | 61.0 | 193.7 | 41,000 * | 64.2 | 196.3 | 40,300 | 66.0 | 197.5 | 39,000 | | | | | | | | | | | | | 70 |
| 75 | 58.5 | 190.7 | 38,800 | 61.7 | 193.8 | 36,800 | 63.5 | 195.1 | 35,600 | | | | | | | | | | | | | 75 |
| 80 | 55.9 | 187.5 | 35,600 | 59.2 | 190.9 | 33,800 | 61.1 | 192.5 | 32,700 | | | | | | | | | | | | | 80 |
| 85 | 53.2 | 184.0 | 32,900 | 56.5 | 187.8 | 31,200 | 58.5 | 189.6 | 30,200 | 61.6 | 191.7 | 28,500 | | | | | | | | | | 85 |
| 90 | 50.4 | 180.0 | 30,500 | 53.9 | 184.3 | 28,900 | 55.9 | 186.3 | 28,000 | 59.1 | 188.8 | 26,400 | | | | | | | | | | 90 |
| 95 | 47.4 | 175.6 | 28,400 | 51.1 | 180.5 | 26,900 | 53.2 | 182.8 | 26,000 | 56.5 | 185.7 | 24,500 | | | | | | | | | | 95 |
| 100 | 44.4 | 170.8 | 26,500 | 48.2 | 176.2 | 25,100 | 50.4 | 178.8 | 24,200 | 53.8 | 182.2 | 22,800 | 57.0 | 184.3 | 21,400 | | | | | | | 100 |
| 105 | 41.1 | 165.4 | 24,800 | 45.2 | 171.5 | 23,500 | 47.4 | 174.5 | 22,700 | 51.0 | 178.3 | 21,300 | 54.3 | 180.9 | 20,000 | | | | | | | 105 |
| 110 | 37.6 | 159.3 | 23,300 | 42.0 | 166.3 | 22,000 | 44.4 | 169.6 | 21,300 | 48.1 | 174.1 | 20,000 | 51.6 | 177.1 | 18,700 | | | | | | | 110 |
| 115 | 33.9 | 152.3 | 21,900 | 38.6 | 160.4 | 20,700 | 41.1 | 164.2 | 20,000 | 45.1 | 169.3 | 18,800 | 48.7 | 173.0 | 17,600 | 52.0 | 175.3 | 16,400 | | | | 115 |
| 120 | 29.7 | 144.3 | 20,700 | 34.9 | 153.7 | 19,500 | 37.7 | 158.1 | 18,800 | 41.9 | 164.1 | 17,700 | 45.7 | 168.3 | 16,500 | 49.2 | 171.2 | 15,400 | | | | 120 |
| 125 | 24.9 | 134.6 | 19,500 | 30.8 | 145.9 | 18,400 | 33.9 | 151.2 | 17,700 | 38.5 | 158.2 | 16,600 | 42.5 | 163.2 | 15,500 | 46.2 | 166.6 | 14,500 | | | | 125 |
| 130 | 19.0 | 122.1 | 18,400 | 26.2 | 136.7 | 17,400 | 29.7 | 143.1 | 16,700 | 34.8 | 151.4 | 15,700 | 39.2 | 157.4 | 14,600 | 43.1 | 161.6 | 13,600 | 46.5 | 164.2 | 12,600 | 130 |
| 135 | 10.2 | 102.9 | 16,900 * | 20.6 | 125.1 | 16,400 | 24.9 | 133.4 | 15,800 | 30.7 | 143.7 | 14,800 | 35.5 | 150.9 | 13,800 | 39.7 | 155.9 | 12,800 | 43.4 | 159.2 | 11,900 | 135 |
| 140 | | | | 13.0 | 108.6 | 15,500 | 19.0 | 121.0 | 15,000 | 26.1 | 134.4 | 14,000 | 31.6 | 143.3 | 13,100 | 36.2 | 149.5 | 12,100 | 40.1 | 153.6 | 11,200 | 140 |
| 145 | | | | | | | 10.3 | 101.9 | 14,200 | 20.5 | 122.8 | 13,300 | 27.1 | 134.4 | 12,300 | 32.2 | 142.1 | 11,500 | 36.6 | 147.2 | 10,600 | 145 |
| 150 | | | | | | | | | | 12.8 | 106.1 | 12,500 | 21.7 | 123.4 | 11,700 | 27.8 | 133.5 | 10,800 | 32.7 | 140.0 | 10,000 | 150 |
| 155 | | | | | | | | | | | | | 14.7 | 108.2 | 11,000 | 22.7 | 122.9 | 10,200 | 28.4 | 131.5 | 9,400 | 155 |
| 160 | | | | | | | | | | | | | | | | 16.0 | 108.6 | 9,700 | 23.3 | 121.2 | 8,900 | 160 |
| 165 | | | | | | | | | | | | | | | | 1.2 | 75.6 | 9,100 | 16.9 | 107.5 | 8,400 | 165 |
| 170 | | | | | | | | | | | | | | | | | | | 5.5 | 82.2 | 7,900 | 170 |



Liftcrane Luffing Jib Capacities

New York City Code
 Luffing Jib No. 139 on Boom No. 78
 105,000 Lb. Counterweight
 360 Degree Rating

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

777 SERIES 1

70 Ft. Boom, 140 Ft. Jib

| Jib Oper. Rad. Feet | 88 Degree Boom Angle | | | 83 Degree Boom Angle | | | 80 Degree Boom Angle | | | 75 Degree Boom Angle | | | 70 Degree Boom Angle | | | 65 Degree Boom Angle | | | 60 Degree Boom Angle | | | Jib Oper. Rad. Feet |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | |
| 45 | 74.3 | 214.7 | 47,200 * | | | | | | | | | | | | | | | | | | | 45 |
| 50 | 72.1 | 213.2 | 45,300 * | | | | | | | | | | | | | | | | | | | 50 |
| 55 | 70.0 | 211.4 | 43,300 * | | | | | | | | | | | | | | | | | | | 55 |
| 60 | 67.8 | 209.5 | 41,300 * | 70.5 | 211.3 | 43,700 * | | | | | | | | | | | | | | | | 60 |
| 65 | 65.5 | 207.4 | 39,500 * | 68.3 | 209.5 | 41,900 * | | | | | | | | | | | | | | | | 65 |
| 70 | 63.3 | 205.0 | 37,700 * | 66.1 | 207.4 | 40,000 * | 67.8 | 208.3 | 38,700 | | | | | | | | | | | | | 70 |
| 75 | 61.0 | 202.3 | 36,000 * | 63.9 | 205.0 | 36,500 | 65.6 | 206.2 | 35,300 | | | | | | | | | | | | | 75 |
| 80 | 58.6 | 199.4 | 34,400 * | 61.6 | 202.4 | 33,500 | 63.3 | 203.8 | 32,400 | | | | | | | | | | | | | 80 |
| 85 | 56.2 | 196.2 | 32,700 | 59.2 | 199.6 | 30,900 | 61.0 | 201.1 | 29,900 | | | | | | | | | | | | | 85 |
| 90 | 53.7 | 192.7 | 30,300 | 56.8 | 196.5 | 28,600 | 58.6 | 198.2 | 27,700 | 61.5 | 200.3 | 26,000 | | | | | | | | | | 90 |
| 95 | 51.1 | 188.8 | 28,200 | 54.3 | 193.0 | 26,600 | 56.2 | 195.0 | 25,700 | 59.2 | 197.5 | 24,200 | | | | | | | | | | 95 |
| 100 | 48.4 | 184.6 | 26,300 | 51.8 | 189.3 | 24,800 | 53.7 | 191.5 | 24,000 | 56.7 | 194.3 | 22,500 | | | | | | | | | | 100 |
| 105 | 45.6 | 179.9 | 24,600 | 49.1 | 185.2 | 23,200 | 51.1 | 187.7 | 22,400 | 54.3 | 190.9 | 21,000 | 57.2 | 193.0 | 19,700 | | | | | | | 105 |
| 110 | 42.7 | 174.8 | 23,100 | 46.3 | 180.6 | 21,800 | 48.4 | 183.4 | 21,000 | 51.7 | 187.1 | 19,700 | 54.8 | 189.6 | 18,400 | | | | | | | 110 |
| 115 | 39.5 | 169.1 | 21,700 | 43.4 | 175.6 | 20,400 | 45.6 | 178.8 | 19,700 | 49.0 | 183.0 | 18,400 | 52.2 | 185.9 | 17,200 | | | | | | | 115 |
| 120 | 36.2 | 162.6 | 20,400 | 40.4 | 170.0 | 19,200 | 42.7 | 173.6 | 18,500 | 46.3 | 178.4 | 17,300 | 49.6 | 181.9 | 16,200 | 52.6 | 184.0 | 15,000 | | | | 120 |
| 125 | 32.6 | 155.3 | 19,300 | 37.1 | 163.8 | 18,100 | 39.6 | 167.9 | 17,500 | 43.4 | 173.4 | 16,300 | 46.8 | 177.4 | 15,200 | 50.0 | 180.0 | 14,100 | | | | 125 |
| 130 | 28.6 | 146.9 | 18,200 | 33.6 | 156.7 | 17,100 | 36.2 | 161.5 | 16,500 | 40.3 | 167.8 | 15,400 | 44.0 | 172.5 | 14,300 | 47.3 | 175.6 | 13,300 | | | | 130 |
| 135 | 23.9 | 136.7 | 17,200 | 29.7 | 148.6 | 16,200 | 32.6 | 154.2 | 15,600 | 37.0 | 161.6 | 14,500 | 40.9 | 167.0 | 13,500 | 44.4 | 170.8 | 12,500 | 47.6 | 173.2 | 11,500 | 135 |
| 140 | 18.3 | 123.8 | 16,300 | 25.2 | 139.0 | 15,300 | 28.6 | 145.7 | 14,700 | 33.5 | 154.5 | 13,700 | 37.7 | 160.9 | 12,700 | 41.4 | 165.4 | 11,800 | 44.8 | 168.4 | 10,900 | 140 |
| 145 | 9.8 | 103.8 | 14,700 * | 19.9 | 126.9 | 14,500 | 24.0 | 135.6 | 13,900 | 29.6 | 146.3 | 13,000 | 34.2 | 154.0 | 12,000 | 38.2 | 159.4 | 11,100 | 41.8 | 163.1 | 10,200 | 145 |
| 150 | | | | 12.5 | 109.7 | 13,700 | 18.3 | 122.7 | 13,200 | 25.1 | 136.7 | 12,300 | 30.4 | 146.1 | 11,400 | 34.8 | 152.7 | 10,500 | 38.6 | 157.1 | 9,600 | 150 |
| 155 | | | | | | | 9.9 | 102.8 | 12,500 | 19.7 | 124.6 | 11,600 | 26.1 | 136.8 | 10,800 | 31.0 | 144.9 | 9,900 | 35.2 | 150.5 | 9,100 | 155 |
| 160 | | | | | | | | | | 12.3 | 107.2 | 11,000 | 20.9 | 125.3 | 10,200 | 26.8 | 135.9 | 9,400 | 31.5 | 142.9 | 8,600 | 160 |
| 165 | | | | | | | | | | | | | 14.1 | 109.4 | 9,600 | 21.8 | 124.8 | 8,800 | 27.3 | 134.0 | 8,100 | 165 |
| 170 | | | | | | | | | | | | | | | | 15.4 | 110.0 | 8,300 | 22.4 | 123.2 | 7,600 | 170 |
| 175 | | | | | | | | | | | | | | | | 1.2 | 75.7 | 7,800 | 16.2 | 109.0 | 7,200 | 175 |
| 180 | | | | | | | | | | | | | | | | | | | 5.3 | 82.6 | 6,700 | 180 |



Liftcrane Luffing Jib Capacities

777 SERIES 1

**New York City Code
Luffing Jib No. 139 on Boom No. 78
105,000 Lb. Counterweight
360 Degree Rating**

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

70 Ft. Boom, 150 Ft. Jib

| Jib Oper. Rad. Feet | 88 Degree Boom Angle | | | 83 Degree Boom Angle | | | 80 Degree Boom Angle | | | 75 Degree Boom Angle | | | 70 Degree Boom Angle | | | 65 Degree Boom Angle | | | 60 Degree Boom Angle | | | Jib Oper. Rad. Feet |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | |
| 45 | 75.3 | 225.0 | 43,800 * | | | | | | | | | | | | | | | | | | | 45 |
| 50 | 73.4 | 223.6 | 41,900 * | | | | | | | | | | | | | | | | | | | 50 |
| 55 | 71.4 | 222.0 | 40,100 * | | | | | | | | | | | | | | | | | | | 55 |
| 60 | 69.3 | 220.3 | 38,200 * | | | | | | | | | | | | | | | | | | | 60 |
| 65 | 67.3 | 218.3 | 36,500 * | 69.9 | 220.2 | 38,700 * | | | | | | | | | | | | | | | | 65 |
| 70 | 65.2 | 216.1 | 34,800 * | 67.8 | 218.2 | 37,000 * | | | | | | | | | | | | | | | | 70 |
| 75 | 63.1 | 213.6 | 33,200 * | 65.7 | 216.1 | 35,300 * | 67.3 | 217.1 | 35,200 | | | | | | | | | | | | | 75 |
| 80 | 60.9 | 211.0 | 31,600 * | 63.6 | 213.7 | 33,400 | 65.2 | 214.9 | 32,300 | | | | | | | | | | | | | 80 |
| 85 | 58.7 | 208.1 | 30,200 * | 61.5 | 211.1 | 30,800 | 63.1 | 212.5 | 29,700 | | | | | | | | | | | | | 85 |
| 90 | 56.4 | 204.9 | 28,800 * | 59.3 | 208.3 | 28,500 | 60.9 | 209.8 | 27,500 | | | | | | | | | | | | | 90 |
| 95 | 54.1 | 201.4 | 27,400 * | 57.0 | 205.2 | 26,500 | 58.7 | 206.9 | 25,600 | 61.4 | 209.0 | 24,000 | | | | | | | | | | 95 |
| 100 | 51.7 | 197.6 | 26,100 * | 54.7 | 201.8 | 24,700 | 56.4 | 203.7 | 23,800 | 59.2 | 206.1 | 22,400 | | | | | | | | | | 100 |
| 105 | 49.2 | 193.5 | 24,500 | 52.3 | 198.1 | 23,100 | 54.1 | 200.3 | 22,300 | 57.0 | 203.0 | 20,900 | | | | | | | | | | 105 |
| 110 | 46.7 | 189.0 | 23,000 | 49.9 | 194.0 | 21,700 | 51.7 | 196.5 | 20,900 | 54.7 | 199.6 | 19,600 | 57.4 | 201.7 | 18,300 | | | | | | | 110 |
| 115 | 44.0 | 184.1 | 21,600 | 47.3 | 189.6 | 20,300 | 49.2 | 192.3 | 19,600 | 52.3 | 195.9 | 18,300 | 55.1 | 198.3 | 17,100 | | | | | | | 115 |
| 120 | 41.1 | 178.6 | 20,300 | 44.7 | 184.8 | 19,100 | 46.7 | 187.8 | 18,400 | 49.8 | 191.9 | 17,200 | 52.8 | 194.7 | 16,100 | | | | | | | 120 |
| 125 | 38.2 | 172.6 | 19,200 | 41.9 | 179.5 | 18,000 | 44.0 | 182.9 | 17,400 | 47.3 | 187.5 | 16,200 | 50.3 | 190.7 | 15,100 | | | | | | | 125 |
| 130 | 34.9 | 165.8 | 18,100 | 38.9 | 173.6 | 17,000 | 41.2 | 177.5 | 16,400 | 44.6 | 182.6 | 15,300 | 47.8 | 186.4 | 14,200 | 50.7 | 188.9 | 13,200 | | | | 130 |
| 135 | 31.5 | 158.2 | 17,200 | 35.8 | 167.1 | 16,100 | 38.2 | 171.4 | 15,500 | 41.8 | 177.3 | 14,400 | 45.2 | 181.6 | 13,400 | 48.2 | 184.6 | 12,400 | | | | 135 |
| 140 | 27.6 | 149.4 | 16,200 | 32.4 | 159.7 | 15,200 | 35.0 | 164.7 | 14,600 | 38.9 | 171.4 | 13,600 | 42.4 | 176.4 | 12,600 | 45.6 | 179.9 | 11,700 | | | | 140 |
| 145 | 23.1 | 138.8 | 15,400 | 28.6 | 151.2 | 14,400 | 31.5 | 157.1 | 13,900 | 35.7 | 164.9 | 12,900 | 39.5 | 170.7 | 11,900 | 42.9 | 174.8 | 11,000 | 45.9 | 177.5 | 10,100 | 145 |
| 150 | 17.6 | 125.4 | 14,600 | 24.3 | 141.2 | 13,700 | 27.6 | 148.2 | 13,100 | 32.3 | 157.4 | 12,200 | 36.4 | 164.2 | 11,300 | 40.0 | 169.1 | 10,400 | 43.2 | 172.4 | 9,500 | 150 |
| 155 | 9.5 | 104.6 | 13,000 * | 19.2 | 128.6 | 13,000 | 23.2 | 137.7 | 12,400 | 28.5 | 148.9 | 11,600 | 33.0 | 157.0 | 10,700 | 36.9 | 162.8 | 9,800 | 40.3 | 166.8 | 9,000 | 155 |
| 160 | | | | 12.1 | 110.8 | 12,300 | 17.7 | 124.3 | 11,800 | 24.2 | 138.9 | 11,000 | 29.3 | 148.8 | 10,100 | 33.6 | 155.7 | 9,300 | 37.2 | 160.6 | 8,500 | 160 |
| 165 | | | | | | | 9.6 | 103.6 | 11,200 | 19.1 | 126.3 | 10,400 | 25.2 | 139.0 | 9,600 | 29.9 | 147.7 | 8,800 | 34.0 | 153.6 | 8,000 | 165 |
| 170 | | | | | | | | | | 11.9 | 108.2 | 9,800 | 20.2 | 127.1 | 9,100 | 25.9 | 138.2 | 8,300 | 30.4 | 145.6 | 7,500 | 170 |
| 175 | | | | | | | | | | | | | 13.6 | 110.6 | 8,600 | 21.1 | 126.7 | 7,800 | 26.4 | 136.4 | 7,100 | 175 |
| 180 | | | | | | | | | | | | | | | | 14.9 | 111.3 | 7,400 | 21.7 | 125.2 | 6,700 | 180 |
| 190 | | | | | | | | | | | | | | | | | | | 5.1 | 83.1 | 5,900 | 190 |



Liftcrane Luffing Jib Capacities

New York City Code
 Luffing Jib No. 139 on Boom No. 78
 105,000 Lb. Counterweight
 360 Degree Rating

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

777 SERIES 1

70 Ft. Boom, 160 Ft. Jib

| Jib Oper. Rad. Feet | 88 Degree Boom Angle | | | 83 Degree Boom Angle | | | 80 Degree Boom Angle | | | 75 Degree Boom Angle | | | 70 Degree Boom Angle | | | 65 Degree Boom Angle | | | 60 Degree Boom Angle | | | Jib Oper. Rad. Feet |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | |
| 50 | 74.4 | 234.0 | 38,500 * | | | | | | | | | | | | | | | | | | | 50 |
| 55 | 72.6 | 232.6 | 36,700 * | | | | | | | | | | | | | | | | | | | 55 |
| 60 | 70.7 | 230.9 | 35,000 * | | | | | | | | | | | | | | | | | | | 60 |
| 65 | 68.8 | 229.1 | 33,400 * | | | | | | | | | | | | | | | | | | | 65 |
| 70 | 66.8 | 227.0 | 31,800 * | 69.3 | 229.0 | 33,800 * | | | | | | | | | | | | | | | | 70 |
| 75 | 64.9 | 224.8 | 30,200 * | 67.3 | 227.0 | 32,200 * | | | | | | | | | | | | | | | | 75 |
| 80 | 62.9 | 222.3 | 28,700 * | 65.4 | 224.8 | 30,600 * | 66.8 | 225.8 | 31,600 * | | | | | | | | | | | | | 80 |
| 85 | 60.8 | 219.6 | 27,300 * | 63.4 | 222.4 | 29,100 * | 64.9 | 223.6 | 29,500 | | | | | | | | | | | | | 85 |
| 90 | 58.8 | 216.7 | 25,900 * | 61.4 | 219.8 | 27,700 * | 62.9 | 221.1 | 27,200 | | | | | | | | | | | | | 90 |
| 95 | 56.7 | 213.6 | 24,600 * | 59.3 | 216.9 | 26,200 | 60.9 | 218.5 | 25,300 | | | | | | | | | | | | | 95 |
| 100 | 54.5 | 210.1 | 23,300 * | 57.2 | 213.8 | 24,400 | 58.8 | 215.6 | 23,500 | 61.3 | 217.6 | 22,100 | | | | | | | | | | 100 |
| 105 | 52.3 | 206.4 | 22,100 * | 55.0 | 210.5 | 22,800 | 56.7 | 212.4 | 22,000 | 59.3 | 214.8 | 20,600 | | | | | | | | | | 105 |
| 110 | 50.0 | 202.4 | 21,000 * | 52.8 | 206.8 | 21,400 | 54.5 | 209.0 | 20,600 | 57.2 | 211.7 | 19,200 | | | | | | | | | | 110 |
| 115 | 47.6 | 198.0 | 19,900 * | 50.6 | 202.9 | 20,100 | 52.3 | 205.3 | 19,300 | 55.0 | 208.3 | 18,000 | 57.6 | 210.3 | 16,800 | | | | | | | 115 |
| 120 | 45.1 | 193.2 | 18,900 * | 48.2 | 198.6 | 18,900 | 50.0 | 201.2 | 18,100 | 52.8 | 204.7 | 16,900 | 55.4 | 207.0 | 15,700 | | | | | | | 120 |
| 125 | 42.5 | 188.0 | 18,000 * | 45.7 | 193.9 | 17,800 | 47.6 | 196.8 | 17,100 | 50.5 | 200.7 | 15,900 | 53.2 | 203.4 | 14,800 | | | | | | | 125 |
| 130 | 39.8 | 182.3 | 17,100 * | 43.2 | 188.8 | 16,800 | 45.1 | 192.1 | 16,100 | 48.1 | 196.4 | 15,000 | 51.0 | 199.6 | 13,900 | | | | | | | 130 |
| 135 | 36.9 | 176.0 | 16,200 * | 40.5 | 183.2 | 15,800 | 42.5 | 186.9 | 15,200 | 45.7 | 191.8 | 14,100 | 48.6 | 195.3 | 13,100 | 51.3 | 197.7 | 12,100 | | | | 135 |
| 140 | 33.8 | 168.9 | 15,400 * | 37.7 | 177.1 | 15,000 | 39.8 | 181.1 | 14,400 | 43.1 | 186.6 | 13,300 | 46.2 | 190.7 | 12,300 | 49.0 | 193.5 | 11,300 | | | | 140 |
| 145 | 30.4 | 161.0 | 14,600 * | 34.6 | 170.2 | 14,200 | 36.9 | 174.8 | 13,600 | 40.4 | 181.1 | 12,600 | 43.6 | 185.7 | 11,600 | 46.6 | 189.0 | 10,700 | | | | 145 |
| 150 | 26.7 | 151.8 | 13,900 * | 31.3 | 162.5 | 13,400 | 33.8 | 167.8 | 12,900 | 37.6 | 174.9 | 11,900 | 41.0 | 180.2 | 11,000 | 44.1 | 184.1 | 10,100 | 46.9 | 186.5 | 9,200 | 150 |
| 155 | 22.4 | 140.8 | 13,300 * | 27.7 | 153.7 | 12,700 | 30.5 | 159.8 | 12,200 | 34.6 | 168.0 | 11,300 | 38.2 | 174.2 | 10,400 | 41.4 | 178.6 | 9,500 | 44.4 | 181.6 | 8,600 | 155 |
| 160 | 17.1 | 126.9 | 12,700 * | 23.6 | 143.3 | 12,100 | 26.7 | 150.6 | 11,600 | 31.3 | 160.3 | 10,700 | 35.2 | 167.5 | 9,800 | 38.6 | 172.7 | 9,000 | 41.7 | 176.3 | 8,100 | 160 |
| 165 | 9.2 | 105.4 | 11,300 * | 18.6 | 130.3 | 11,500 | 22.4 | 139.7 | 11,000 | 27.6 | 151.4 | 10,100 | 31.9 | 159.9 | 9,300 | 35.7 | 166.1 | 8,500 | 39.0 | 170.4 | 7,700 | 165 |
| 170 | | | | 11.7 | 111.8 | 10,900 | 17.1 | 125.8 | 10,400 | 23.5 | 141.0 | 9,600 | 28.4 | 151.3 | 8,800 | 32.5 | 158.7 | 8,000 | 36.0 | 163.9 | 7,200 | 170 |
| 175 | | | | | | | 9.2 | 104.4 | 9,800 | 18.5 | 127.9 | 9,100 | 24.3 | 141.2 | 8,300 | 29.0 | 150.3 | 7,500 | 32.9 | 156.6 | 6,800 | 175 |
| 180 | | | | | | | | | | 11.5 | 109.2 | 8,600 | 19.6 | 128.8 | 7,800 | 25.0 | 140.5 | 7,100 | 29.4 | 148.3 | 6,400 | 180 |
| 190 | | | | | | | | | | | | | | | | 14.4 | 112.6 | 6,300 | 21.0 | 127.0 | 5,600 | 190 |
| 200 | | | | | | | | | | | | | | | | | | | 4.9 | 83.5 | 4,900 | 200 |



Liftcrane Luffing Jib Capacities

777 SERIES 1

**New York City Code
Luffing Jib No. 139 on Boom No. 78
105,000 Lb. Counterweight
360 Degree Rating**

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

70 Ft. Boom, 170 Ft. Jib

| Jib Oper. Rad. Feet | 88 Degree Boom Angle | | | 83 Degree Boom Angle | | | 80 Degree Boom Angle | | | 75 Degree Boom Angle | | | 70 Degree Boom Angle | | | 65 Degree Boom Angle | | | 60 Degree Boom Angle | | | Jib Oper. Rad. Feet |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | |
| 50 | 75.4 | 244.4 | 35,600 * | | | | | | | | | | | | | | | | | | | 50 |
| 55 | 73.6 | 243.0 | 33,900 * | | | | | | | | | | | | | | | | | | | 55 |
| 60 | 71.9 | 241.5 | 32,300 * | | | | | | | | | | | | | | | | | | | 60 |
| 65 | 70.1 | 239.7 | 30,700 * | | | | | | | | | | | | | | | | | | | 65 |
| 70 | 68.3 | 237.8 | 29,200 * | 70.5 | 239.6 | 31,100 * | | | | | | | | | | | | | | | | 70 |
| 75 | 66.4 | 235.7 | 27,700 * | 68.7 | 237.8 | 29,600 * | | | | | | | | | | | | | | | | 75 |
| 80 | 64.6 | 233.5 | 26,300 * | 66.9 | 235.7 | 28,100 * | | | | | | | | | | | | | | | | 80 |
| 85 | 62.7 | 231.0 | 24,900 * | 65.1 | 233.5 | 26,700 * | 66.5 | 234.6 | 27,600 * | | | | | | | | | | | | | 85 |
| 90 | 60.8 | 228.3 | 23,600 * | 63.2 | 231.1 | 25,300 * | 64.6 | 232.3 | 26,300 * | | | | | | | | | | | | | 90 |
| 95 | 58.8 | 225.4 | 22,400 * | 61.3 | 228.4 | 24,000 * | 62.7 | 229.8 | 24,900 * | | | | | | | | | | | | | 95 |
| 100 | 56.9 | 222.3 | 21,200 * | 59.4 | 225.6 | 22,700 * | 60.8 | 227.1 | 23,300 | | | | | | | | | | | | | 100 |
| 105 | 54.8 | 218.9 | 20,000 * | 57.4 | 222.5 | 21,500 * | 58.9 | 224.2 | 21,700 | 61.2 | 226.3 | 20,300 | | | | | | | | | | 105 |
| 110 | 52.7 | 215.2 | 18,900 * | 55.3 | 219.2 | 20,400 * | 56.9 | 221.1 | 20,300 | 59.3 | 223.5 | 19,000 | | | | | | | | | | 110 |
| 115 | 50.6 | 211.2 | 17,900 * | 53.3 | 215.6 | 19,300 * | 54.8 | 217.7 | 19,100 | 57.3 | 220.4 | 17,800 | | | | | | | | | | 115 |
| 120 | 48.4 | 207.0 | 16,900 * | 51.1 | 211.7 | 18,200 * | 52.7 | 214.0 | 17,900 | 55.3 | 217.0 | 16,700 | 57.7 | 219.0 | 15,500 | | | | | | | 120 |
| 125 | 46.1 | 202.3 | 16,000 * | 48.9 | 207.5 | 17,200 * | 50.6 | 210.1 | 16,800 | 53.2 | 213.4 | 15,700 | 55.7 | 215.7 | 14,500 | | | | | | | 125 |
| 130 | 43.7 | 197.3 | 15,100 * | 46.7 | 203.0 | 16,300 * | 48.4 | 205.8 | 15,900 | 51.1 | 209.6 | 14,700 | 53.6 | 212.2 | 13,600 | | | | | | | 130 |
| 135 | 41.2 | 191.8 | 14,200 * | 44.3 | 198.1 | 15,400 * | 46.1 | 201.2 | 15,000 | 48.9 | 205.4 | 13,900 | 51.5 | 208.4 | 12,800 | | | | | | | 135 |
| 140 | 38.5 | 185.9 | 13,400 * | 41.8 | 192.7 | 14,500 * | 43.7 | 196.2 | 14,100 | 46.6 | 200.8 | 13,100 | 49.3 | 204.2 | 12,100 | 51.9 | 206.5 | 11,100 | | | | 140 |
| 145 | 35.8 | 179.3 | 12,700 * | 39.2 | 186.9 | 13,700 * | 41.2 | 190.7 | 13,400 | 44.3 | 195.9 | 12,400 | 47.1 | 199.8 | 11,400 | 49.7 | 202.4 | 10,400 | | | | 145 |
| 150 | 32.8 | 171.9 | 12,000 * | 36.5 | 180.4 | 12,900 * | 38.6 | 184.7 | 12,600 | 41.8 | 190.5 | 11,700 | 44.7 | 194.9 | 10,700 | 47.4 | 198.0 | 9,800 | | | | 150 |
| 155 | 29.5 | 163.6 | 11,200 * | 33.6 | 173.3 | 12,200 * | 35.8 | 178.1 | 12,000 | 39.2 | 184.7 | 11,000 | 42.3 | 189.7 | 10,100 | 45.1 | 193.2 | 9,200 | 47.7 | 195.5 | 8,400 | 155 |
| 160 | 25.9 | 154.1 | 10,400 * | 30.4 | 165.3 | 11,400 * | 32.8 | 170.8 | 11,300 | 36.4 | 178.2 | 10,400 | 39.7 | 183.9 | 9,600 | 42.7 | 188.0 | 8,700 | 45.4 | 190.8 | 7,900 | 160 |
| 165 | 21.7 | 142.8 | 9,600 * | 26.9 | 156.1 | 10,600 * | 29.5 | 162.5 | 10,700 | 33.5 | 171.1 | 9,900 | 37.0 | 177.6 | 9,000 | 40.1 | 182.4 | 8,200 | 43.0 | 185.6 | 7,400 | 165 |
| 170 | 16.6 | 128.4 | 8,800 * | 22.8 | 145.3 | 9,800 * | 25.9 | 153.0 | 10,200 | 30.3 | 163.0 | 9,400 | 34.1 | 170.6 | 8,500 | 37.4 | 176.1 | 7,700 | 40.4 | 180.0 | 7,000 | 170 |
| 175 | | | | 18.0 | 131.9 | 9,000 * | 21.7 | 141.7 | 9,600 * | 26.8 | 153.9 | 8,900 | 31.0 | 162.7 | 8,100 | 34.6 | 169.3 | 7,300 | 37.8 | 173.9 | 6,500 | 175 |
| 180 | 8.9 | 106.2 | 8,200 * | 11.4 | 112.9 | 8,300 * | 16.6 | 127.3 | 8,800 * | 22.8 | 143.0 | 8,400 | 27.5 | 153.8 | 7,600 | 31.5 | 161.6 | 6,900 | 34.9 | 167.1 | 6,100 | 180 |
| 190 | | | | | | | | | | 11.2 | 110.2 | 7,500 | 19.0 | 130.5 | 6,800 | 24.3 | 142.7 | 6,100 | 28.5 | 150.9 | 5,400 | 190 |
| 200 | | | | | | | | | | | | | | | | 14.0 | 113.8 | 5,400 | 20.3 | 128.9 | 4,700 | 200 |
| 210 | | | | | | | | | | | | | | | | | | | 4.8 | 84.0 | 4,100 | 210 |



Liftcrane Luffing Jib Capacities

New York City Code
 Luffing Jib No. 139 on Boom No. 78
 105,000 Lb. Counterweight
 360 Degree Rating

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

777 SERIES 1

80 Ft. Boom, 70 Ft. Jib

| Jib Oper. Rad. Feet | 88 Degree Boom Angle | | | 83 Degree Boom Angle | | | 80 Degree Boom Angle | | | 75 Degree Boom Angle | | | 70 Degree Boom Angle | | | 65 Degree Boom Angle | | | 60 Degree Boom Angle | | | Jib Oper. Rad. Feet |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | |
| 30 | 71.2 | 156.2 | 104,300 *b | | | | | | | | | | | | | | | | | | | 30 |
| 35 | 66.8 | 154.2 | 99,800 *b | | | | | | | | | | | | | | | | | | | 35 |
| 40 | 62.2 | 151.9 | 89,900 b | 68.7 | 154.5 | 85,400 b | | | | | | | | | | | | | | | | 40 |
| 45 | 57.5 | 149.0 | 76,900 | 64.2 | 152.3 | 73,100 b | 68.0 | 153.5 | 70,800 b | | | | | | | | | | | | | 45 |
| 50 | 52.5 | 145.5 | 67,100 | 59.6 | 149.6 | 63,700 | 63.5 | 151.2 | 61,700 b | | | | | | | | | | | | | 50 |
| 55 | 47.2 | 141.2 | 59,300 | 54.7 | 146.4 | 56,300 | 58.9 | 148.5 | 54,500 | | | | | | | | | | | | | 55 |
| 60 | 41.3 | 136.1 | 53,100 | 49.5 | 142.5 | 50,400 | 54.0 | 145.2 | 48,800 | 60.8 | 148.0 | 46,100 | | | | | | | | | | 60 |
| 65 | 34.6 | 129.7 | 47,900 | 43.9 | 137.8 | 45,500 | 48.7 | 141.2 | 44,000 | 56.0 | 144.9 | 41,600 | | | | | | | | | | 65 |
| 70 | 26.6 | 121.2 | 43,600 | 37.6 | 132.0 | 41,400 | 43.0 | 136.3 | 40,100 | 50.9 | 141.2 | 37,900 | 57.8 | 143.9 | 35,700 | | | | | | | 70 |
| 75 | 15.0 | 108.1 | 39,900 | 30.3 | 124.6 | 37,900 | 36.6 | 130.3 | 36,700 | 45.4 | 136.7 | 34,600 | 52.8 | 140.4 | 32,600 | | | | | | | 75 |
| 80 | | | | 20.8 | 114.1 | 34,900 | 29.1 | 122.6 | 33,700 | 39.3 | 131.2 | 31,900 | 47.4 | 136.2 | 30,000 | | | | | | | 80 |
| 85 | | | | | | | 19.0 | 111.4 | 31,200 | 32.3 | 124.3 | 29,500 | 41.6 | 131.1 | 27,700 | 49.2 | 134.8 | 26,000 | | | | 85 |
| 90 | | | | | | | | | | 23.5 | 114.9 | 27,300 | 35.0 | 124.8 | 25,700 | 43.5 | 130.1 | 24,100 | | | | 90 |
| 95 | | | | | | | | | | 8.8 | 97.6 | 25,400 | 27.0 | 116.5 | 23,900 | 37.2 | 124.2 | 22,400 | 45.1 | 128.0 | 21,000 | 95 |
| 100 | | | | | | | | | | | | | 15.8 | 103.7 | 22,300 | 29.8 | 116.6 | 20,900 | 39.0 | 122.5 | 19,600 | 100 |
| 105 | | | | | | | | | | | | | | | | 20.1 | 105.9 | 19,600 | 31.9 | 115.5 | 18,300 | 105 |
| 110 | | | | | | | | | | | | | | | | | | | 23.1 | 105.9 | 17,100 | 110 |
| 115 | | | | | | | | | | | | | | | | | | | 7.5 | 87.5 | 16,000 | 115 |



Liftcrane Luffing Jib Capacities

777 SERIES 1

New York City Code
 Luffing Jib No. 139 on Boom No. 78
 105,000 Lb. Counterweight
 360 Degree Rating

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

80 Ft. Boom, 80 Ft. Jib

| Jib Oper. Rad. Feet | 88 Degree Boom Angle | | | 83 Degree Boom Angle | | | 80 Degree Boom Angle | | | 75 Degree Boom Angle | | | 70 Degree Boom Angle | | | 65 Degree Boom Angle | | | 60 Degree Boom Angle | | | Jib Oper. Rad. Feet |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | |
| 30 | 73.6 | 166.7 | 95,400 *b | | | | | | | | | | | | | | | | | | | 30 |
| 35 | 69.8 | 165.0 | 91,500 *b | | | | | | | | | | | | | | | | | | | 35 |
| 40 | 65.9 | 163.0 | 87,800 * | | | | | | | | | | | | | | | | | | | 40 |
| 45 | 62.0 | 160.5 | 76,700 | 67.6 | 163.2 | 72,800 b | | | | | | | | | | | | | | | | 45 |
| 50 | 57.8 | 157.6 | 66,800 | 63.7 | 161.0 | 63,400 | 67.1 | 162.2 | 61,300 b | | | | | | | | | | | | | 50 |
| 55 | 53.5 | 154.2 | 59,100 | 59.6 | 158.3 | 56,000 | 63.1 | 159.9 | 54,200 | | | | | | | | | | | | | 55 |
| 60 | 48.9 | 150.2 | 52,900 | 55.4 | 155.1 | 50,100 | 59.0 | 157.2 | 48,500 | | | | | | | | | | | | | 60 |
| 65 | 43.9 | 145.4 | 47,700 | 50.9 | 151.4 | 45,200 | 54.7 | 153.9 | 43,700 | 60.7 | 156.7 | 41,300 | | | | | | | | | | 65 |
| 70 | 38.5 | 139.7 | 43,400 | 46.1 | 146.9 | 41,100 | 50.2 | 150.1 | 39,800 | 56.5 | 153.6 | 37,500 | | | | | | | | | | 70 |
| 75 | 32.3 | 132.7 | 39,800 | 40.9 | 141.7 | 37,700 | 45.4 | 145.5 | 36,400 | 52.1 | 150.0 | 34,300 | 58.0 | 152.5 | 32,200 | | | | | | | 75 |
| 80 | 24.8 | 123.5 | 36,600 | 35.1 | 135.3 | 34,700 | 40.1 | 140.1 | 33,500 | 47.4 | 145.8 | 31,500 | 53.7 | 149.2 | 29,600 | | | | | | | 80 |
| 85 | 14.1 | 109.3 | 33,800 | 28.3 | 127.2 | 32,000 | 34.2 | 133.5 | 31,000 | 42.3 | 140.8 | 29,200 | 49.1 | 145.2 | 27,400 | | | | | | | 85 |
| 90 | | | | 19.4 | 115.9 | 29,700 | 27.2 | 125.1 | 28,700 | 36.7 | 134.7 | 27,000 | 44.2 | 140.5 | 25,400 | 50.6 | 143.7 | 23,700 | | | | 90 |
| 95 | | | | | | | 17.8 | 113.0 | 26,700 | 30.1 | 127.1 | 25,200 | 38.8 | 134.8 | 23,600 | 45.8 | 139.2 | 22,100 | | | | 95 |
| 100 | | | | | | | | | | 22.0 | 116.9 | 23,500 | 32.7 | 127.8 | 22,000 | 40.6 | 133.9 | 20,600 | 47.1 | 137.1 | 19,200 | 100 |
| 105 | | | | | | | | | | 8.2 | 98.3 | 21,900 | 25.3 | 118.8 | 20,600 | 34.7 | 127.4 | 19,200 | 42.0 | 132.0 | 17,900 | 105 |
| 110 | | | | | | | | | | | | | 14.8 | 105.1 | 19,300 | 27.8 | 119.2 | 18,000 | 36.4 | 125.9 | 16,800 | 110 |
| 115 | | | | | | | | | | | | | | | | 18.8 | 107.6 | 16,900 | 29.8 | 118.2 | 15,700 | 115 |
| 120 | | | | | | | | | | | | | | | | | | | 21.6 | 107.8 | 14,800 | 120 |
| 125 | | | | | | | | | | | | | | | | | | | 7.0 | 88.2 | 13,800 | 125 |



Liftcrane Luffing Jib Capacities

New York City Code
 Luffing Jib No. 139 on Boom No. 78
 105,000 Lb. Counterweight
 360 Degree Rating

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

777 SERIES 1

80 Ft. Boom, 90 Ft. Jib

| Jib Oper. Rad. Feet | 88 Degree Boom Angle | | | 83 Degree Boom Angle | | | 80 Degree Boom Angle | | | 75 Degree Boom Angle | | | 70 Degree Boom Angle | | | 65 Degree Boom Angle | | | 60 Degree Boom Angle | | | Jib Oper. Rad. Feet |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | |
| 30 | 75.5 | 177.0 | 85,600 *b | | | | | | | | | | | | | | | | | | | 30 |
| 35 | 72.1 | 175.6 | 82,000 *b | | | | | | | | | | | | | | | | | | | 35 |
| 40 | 68.8 | 173.8 | 78,100 * | | | | | | | | | | | | | | | | | | | 40 |
| 45 | 65.3 | 171.7 | 74,500 * | 70.2 | 174.0 | 72,600 b | | | | | | | | | | | | | | | | 45 |
| 50 | 61.7 | 169.2 | 66,700 | 66.8 | 172.0 | 63,200 | | | | | | | | | | | | | | | | 50 |
| 55 | 58.1 | 166.3 | 58,900 | 63.3 | 169.7 | 55,800 | 66.3 | 171.0 | 54,000 | | | | | | | | | | | | | 55 |
| 60 | 54.2 | 162.9 | 52,700 | 59.7 | 166.9 | 49,900 | 62.8 | 168.6 | 48,200 | | | | | | | | | | | | | 60 |
| 65 | 50.2 | 159.1 | 47,600 | 55.9 | 163.8 | 45,000 | 59.1 | 165.8 | 43,500 | | | | | | | | | | | | | 65 |
| 70 | 45.9 | 154.6 | 43,300 | 52.0 | 160.2 | 41,000 | 55.3 | 162.6 | 39,600 | 60.6 | 165.3 | 37,300 | | | | | | | | | | 70 |
| 75 | 41.3 | 149.3 | 39,600 | 47.8 | 155.9 | 37,500 | 51.4 | 158.9 | 36,200 | 56.9 | 162.3 | 34,100 | | | | | | | | | | 75 |
| 80 | 36.2 | 143.1 | 36,500 | 43.4 | 151.0 | 34,500 | 47.2 | 154.6 | 33,300 | 53.0 | 158.8 | 31,300 | | | | | | | | | | 80 |
| 85 | 30.4 | 135.5 | 33,700 | 38.5 | 145.3 | 31,900 | 42.7 | 149.6 | 30,800 | 48.9 | 154.7 | 28,900 | 54.4 | 157.9 | 27,100 | | | | | | | 85 |
| 90 | 23.4 | 125.6 | 31,300 | 33.0 | 138.3 | 29,600 | 37.7 | 143.6 | 28,600 | 44.5 | 150.0 | 26,800 | 50.4 | 154.0 | 25,100 | | | | | | | 90 |
| 95 | 13.3 | 110.5 | 29,100 | 26.6 | 129.6 | 27,600 | 32.2 | 136.5 | 26,600 | 39.8 | 144.5 | 25,000 | 46.1 | 149.6 | 23,400 | 51.7 | 152.5 | 21,800 | | | | 95 |
| 100 | | | | 18.3 | 117.5 | 25,700 | 25.6 | 127.4 | 24,800 | 34.5 | 137.9 | 23,300 | 41.6 | 144.4 | 21,800 | 47.6 | 148.3 | 20,300 | | | | 100 |
| 105 | | | | | | | 16.7 | 114.5 | 23,200 | 28.4 | 129.7 | 21,800 | 36.5 | 138.2 | 20,400 | 43.1 | 143.3 | 19,000 | | | | 105 |
| 110 | | | | | | | | | | 20.7 | 118.8 | 20,400 | 30.7 | 130.7 | 19,100 | 38.2 | 137.5 | 17,800 | 44.3 | 141.3 | 16,500 | 110 |
| 115 | | | | | | | | | | 7.7 | 99.0 | 19,200 | 23.8 | 121.0 | 18,000 | 32.7 | 130.5 | 16,700 | 39.5 | 135.7 | 15,500 | 115 |
| 120 | | | | | | | | | | | | | 13.9 | 106.3 | 16,900 | 26.2 | 121.6 | 15,700 | 34.2 | 129.1 | 14,600 | 120 |
| 125 | | | | | | | | | | | | | | | | 17.7 | 109.2 | 14,800 | 28.1 | 120.8 | 13,700 | 125 |
| 130 | | | | | | | | | | | | | | | | | | | 20.3 | 109.7 | 12,900 | 130 |
| 135 | | | | | | | | | | | | | | | | | | | 6.6 | 88.8 | 12,100 | 135 |



Liftcrane Luffing Jib Capacities

777 SERIES 1

**New York City Code
Luffing Jib No. 139 on Boom No. 78
105,000 Lb. Counterweight
360 Degree Rating**

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

80 Ft. Boom, 100 Ft. Jib

| Jib Oper. Rad. Feet | 88 Degree Boom Angle | | | 83 Degree Boom Angle | | | 80 Degree Boom Angle | | | 75 Degree Boom Angle | | | 70 Degree Boom Angle | | | 65 Degree Boom Angle | | | 60 Degree Boom Angle | | | Jib Oper. Rad. Feet |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | |
| 35 | 74.0 | 186.0 | 75,800 *b | | | | | | | | | | | | | | | | | | | 35 |
| 40 | 71.0 | 184.4 | 72,900 * | | | | | | | | | | | | | | | | | | | 40 |
| 45 | 67.9 | 182.6 | 69,400 * | | | | | | | | | | | | | | | | | | | 45 |
| 50 | 64.8 | 180.4 | 66,200 * | 69.2 | 182.8 | 62,900 | | | | | | | | | | | | | | | | 50 |
| 55 | 61.6 | 177.9 | 58,700 | 66.1 | 180.7 | 55,500 | | | | | | | | | | | | | | | | 55 |
| 60 | 58.3 | 175.0 | 52,500 | 63.0 | 178.3 | 49,600 | 65.7 | 179.7 | 47,900 | | | | | | | | | | | | | 60 |
| 65 | 54.8 | 171.7 | 47,300 | 59.7 | 175.6 | 44,700 | 62.5 | 177.3 | 43,200 | | | | | | | | | | | | | 65 |
| 70 | 51.2 | 167.9 | 43,000 | 56.3 | 172.5 | 40,700 | 59.2 | 174.5 | 39,200 | | | | | | | | | | | | | 70 |
| 75 | 47.5 | 163.6 | 39,400 | 52.8 | 168.9 | 37,200 | 55.8 | 171.3 | 35,900 | 60.5 | 174.0 | 33,700 | | | | | | | | | | 75 |
| 80 | 43.4 | 158.7 | 36,200 | 49.1 | 164.9 | 34,200 | 52.3 | 167.7 | 33,000 | 57.2 | 171.0 | 31,000 | | | | | | | | | | 80 |
| 85 | 39.1 | 153.0 | 33,500 | 45.2 | 160.2 | 31,600 | 48.6 | 163.5 | 30,500 | 53.7 | 167.5 | 28,600 | | | | | | | | | | 85 |
| 90 | 34.3 | 146.3 | 31,100 | 41.0 | 154.9 | 29,300 | 44.6 | 158.8 | 28,300 | 50.1 | 163.6 | 26,500 | 55.0 | 166.6 | 24,800 | | | | | | | 90 |
| 95 | 28.8 | 138.1 | 29,000 | 36.4 | 148.7 | 27,300 | 40.4 | 153.3 | 26,300 | 46.2 | 159.1 | 24,700 | 51.4 | 162.9 | 23,000 | | | | | | | 95 |
| 100 | 22.2 | 127.7 | 27,000 | 31.3 | 141.2 | 25,500 | 35.7 | 147.0 | 24,600 | 42.1 | 154.0 | 23,000 | 47.7 | 158.6 | 21,500 | 52.6 | 161.3 | 20,000 | | | | 100 |
| 105 | 12.6 | 111.7 | 25,200 * | 25.3 | 131.9 | 23,900 | 30.5 | 139.3 | 23,000 | 37.6 | 148.0 | 21,500 | 43.7 | 153.7 | 20,100 | 48.9 | 157.2 | 18,600 | | | | 105 |
| 110 | | | | 17.4 | 119.1 | 22,400 | 24.2 | 129.6 | 21,600 | 32.7 | 140.9 | 20,200 | 39.3 | 148.1 | 18,800 | 45.0 | 152.5 | 17,400 | | | | 110 |
| 115 | | | | | | | 15.9 | 115.9 | 20,200 | 26.9 | 132.2 | 18,900 | 34.6 | 141.4 | 17,600 | 40.8 | 147.1 | 16,400 | 46.0 | 150.4 | 15,100 | 115 |
| 120 | | | | | | | | | | 19.6 | 120.5 | 17,800 | 29.1 | 133.4 | 16,600 | 36.2 | 140.8 | 15,400 | 41.9 | 145.3 | 14,200 | 120 |
| 125 | | | | | | | | | | 7.3 | 99.7 | 16,700 | 22.6 | 123.0 | 15,600 | 31.0 | 133.3 | 14,500 | 37.4 | 139.2 | 13,300 | 125 |
| 130 | | | | | | | | | | | | | 13.2 | 107.5 | 14,700 | 24.8 | 123.9 | 13,600 | 32.4 | 132.1 | 12,500 | 130 |
| 135 | | | | | | | | | | | | | | | | 16.8 | 110.7 | 12,800 | 26.6 | 123.2 | 11,800 | 135 |
| 140 | | | | | | | | | | | | | | | | | | | 19.3 | 111.4 | 11,100 | 140 |
| 145 | | | | | | | | | | | | | | | | | | | 6.2 | 89.3 | 10,400 | 145 |



Liftcrane Luffing Jib Capacities

New York City Code
 Luffing Jib No. 139 on Boom No. 78
 105,000 Lb. Counterweight
 360 Degree Rating

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

777 SERIES 1

80 Ft. Boom, 110 Ft. Jib

| Jib Oper. Rad. Feet | 88 Degree Boom Angle | | | 83 Degree Boom Angle | | | 80 Degree Boom Angle | | | 75 Degree Boom Angle | | | 70 Degree Boom Angle | | | 65 Degree Boom Angle | | | 60 Degree Boom Angle | | | Jib Oper. Rad. Feet |
|------------------------------|-------------------------|-------------------------------|-----------------------------------|-------------------------|-------------------------------|-----------------------------------|-------------------------|-------------------------------|-----------------------------------|-------------------------|-------------------------------|-----------------------------------|-------------------------|-------------------------------|-----------------------------------|-------------------------|-------------------------------|-----------------------------------|-------------------------|-------------------------------|-----------------------------------|------------------------------|
| | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | |
| 35 | 75.5 | 196.4 | 70,200 *b | | | | | | | | | | | | | | | | | | | 35 |
| 40 | 72.8 | 195.0 | 67,500 * | | | | | | | | | | | | | | | | | | | 40 |
| 45 | 70.0 | 193.3 | 64,600 * | | | | | | | | | | | | | | | | | | | 45 |
| 50 | 67.2 | 191.3 | 61,900 * | | | | | | | | | | | | | | | | | | | 50 |
| 55 | 64.4 | 189.1 | 58,600 | 68.4 | 191.6 | 55,500 | | | | | | | | | | | | | | | | 55 |
| 60 | 61.4 | 186.5 | 52,400 | 65.6 | 189.4 | 49,500 | 68.0 | 190.6 | 47,800 | | | | | | | | | | | | | 60 |
| 65 | 58.4 | 183.6 | 47,300 | 62.7 | 187.0 | 44,700 | 65.2 | 188.4 | 43,100 | | | | | | | | | | | | | 65 |
| 70 | 55.3 | 180.4 | 43,000 | 59.7 | 184.3 | 40,600 | 62.3 | 185.9 | 39,200 | | | | | | | | | | | | | 70 |
| 75 | 52.1 | 176.7 | 39,400 | 56.7 | 181.2 | 37,100 | 59.3 | 183.1 | 35,800 | | | | | | | | | | | | | 75 |
| 80 | 48.7 | 172.5 | 36,200 | 53.5 | 177.7 | 34,200 | 56.2 | 180.0 | 32,900 | 60.5 | 182.7 | 30,900 | | | | | | | | | | 80 |
| 85 | 45.1 | 167.9 | 33,500 | 50.2 | 173.7 | 31,600 | 53.0 | 176.4 | 30,400 | 57.5 | 179.6 | 28,500 | | | | | | | | | | 85 |
| 90 | 41.3 | 162.6 | 31,100 | 46.7 | 169.3 | 29,300 | 49.7 | 172.4 | 28,200 | 54.3 | 176.3 | 26,400 | | | | | | | | | | 90 |
| 95 | 37.2 | 156.4 | 29,000 | 43.0 | 164.3 | 27,300 | 46.2 | 167.9 | 26,300 | 51.0 | 172.4 | 24,600 | 55.5 | 175.3 | 22,900 | | | | | | | 95 |
| 100 | 32.7 | 149.3 | 27,100 | 39.0 | 158.5 | 25,500 | 42.4 | 162.8 | 24,500 | 47.6 | 168.1 | 22,900 | 52.2 | 171.6 | 21,400 | | | | | | | 100 |
| 105 | 27.5 | 140.6 | 25,400 | 34.7 | 151.9 | 23,900 | 38.4 | 156.9 | 23,000 | 44.0 | 163.3 | 21,500 | 48.9 | 167.5 | 20,000 | | | | | | | 105 |
| 110 | 21.1 | 129.6 | 23,800 | 29.8 | 143.9 | 22,400 | 34.0 | 150.1 | 21,500 | 40.1 | 157.7 | 20,100 | 45.3 | 162.9 | 18,700 | 50.0 | 166.1 | 17,400 | | | | 110 |
| 115 | 12.0 | 112.7 | 22,200 * | 24.1 | 134.1 | 21,100 | 29.0 | 141.9 | 20,300 | 35.8 | 151.3 | 18,900 | 41.5 | 157.6 | 17,600 | 46.5 | 161.6 | 16,300 | | | | 115 |
| 120 | | | | 16.6 | 120.6 | 19,800 | 23.1 | 131.7 | 19,100 | 31.1 | 143.8 | 17,800 | 37.4 | 151.5 | 16,600 | 42.8 | 156.5 | 15,300 | 47.4 | 159.5 | 14,100 | 120 |
| 125 | | | | | | | 15.1 | 117.3 | 18,000 | 25.6 | 134.5 | 16,800 | 32.9 | 144.4 | 15,600 | 38.8 | 150.7 | 14,400 | 43.8 | 154.6 | 13,300 | 125 |
| 130 | | | | | | | | | | 18.7 | 122.2 | 15,800 | 27.7 | 135.9 | 14,700 | 34.4 | 144.0 | 13,600 | 39.9 | 149.0 | 12,500 | 130 |
| 135 | | | | | | | | | | 7.0 | 100.3 | 14,900 | 21.5 | 125.0 | 13,900 | 29.5 | 136.0 | 12,800 | 35.6 | 142.5 | 11,800 | 135 |
| 140 | | | | | | | | | | | | | 12.6 | 108.7 | 13,100 | 23.7 | 126.0 | 12,100 | 30.9 | 134.9 | 11,100 | 140 |
| 145 | | | | | | | | | | | | | | | | 16.0 | 112.1 | 11,400 | 25.4 | 125.5 | 10,500 | 145 |
| 150 | | | | | | | | | | | | | | | | | | | 18.3 | 113.1 | 9,900 | 150 |
| 155 | | | | | | | | | | | | | | | | | | | 5.9 | 89.8 | 9,300 | 155 |



Liftcrane Luffing Jib Capacities

777 SERIES 1

**New York City Code
Luffing Jib No. 139 on Boom No. 78
105,000 Lb. Counterweight
360 Degree Rating**

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

80 Ft. Boom, 120 Ft. Jib

| Jib Oper. Rad. Feet | 88 Degree Boom Angle | | | 83 Degree Boom Angle | | | 80 Degree Boom Angle | | | 75 Degree Boom Angle | | | 70 Degree Boom Angle | | | 65 Degree Boom Angle | | | 60 Degree Boom Angle | | | Jib Oper. Rad. Feet |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | |
| 40 | 74.2 | 205.4 | 62,400 * | | | | | | | | | | | | | | | | | | | 40 |
| 45 | 71.7 | 203.9 | 59,800 * | | | | | | | | | | | | | | | | | | | 45 |
| 50 | 69.2 | 202.1 | 57,200 * | | | | | | | | | | | | | | | | | | | 50 |
| 55 | 66.6 | 200.1 | 54,700 * | 70.3 | 202.2 | 55,200 | | | | | | | | | | | | | | | | 55 |
| 60 | 64.0 | 197.8 | 52,200 | 67.7 | 200.3 | 49,300 | | | | | | | | | | | | | | | | 60 |
| 65 | 61.3 | 195.2 | 47,100 | 65.1 | 198.1 | 44,400 | 67.4 | 199.3 | 42,800 | | | | | | | | | | | | | 65 |
| 70 | 58.6 | 192.3 | 42,800 | 62.5 | 195.7 | 40,300 | 64.8 | 197.1 | 38,900 | | | | | | | | | | | | | 70 |
| 75 | 55.7 | 189.1 | 39,100 | 59.8 | 192.9 | 36,900 | 62.1 | 194.6 | 35,500 | | | | | | | | | | | | | 75 |
| 80 | 52.8 | 185.5 | 36,000 | 57.0 | 189.8 | 33,900 | 59.3 | 191.8 | 32,600 | | | | | | | | | | | | | 80 |
| 85 | 49.7 | 181.4 | 33,200 | 54.1 | 186.4 | 31,300 | 56.5 | 188.7 | 30,100 | 60.4 | 191.3 | 28,200 | | | | | | | | | | 85 |
| 90 | 46.5 | 177.0 | 30,800 | 51.0 | 182.6 | 29,000 | 53.6 | 185.2 | 27,900 | 57.7 | 188.3 | 26,100 | | | | | | | | | | 90 |
| 95 | 43.1 | 171.9 | 28,700 | 47.9 | 178.3 | 27,000 | 50.6 | 181.3 | 26,000 | 54.8 | 185.0 | 24,300 | | | | | | | | | | 95 |
| 100 | 39.5 | 166.2 | 26,800 | 44.6 | 173.5 | 25,200 | 47.4 | 176.9 | 24,200 | 51.8 | 181.2 | 22,600 | 55.9 | 184.0 | 21,000 | | | | | | | 100 |
| 105 | 35.6 | 159.7 | 25,100 | 41.1 | 168.1 | 23,600 | 44.1 | 172.1 | 22,700 | 48.7 | 177.1 | 21,100 | 52.9 | 180.4 | 19,600 | | | | | | | 105 |
| 110 | 31.2 | 152.1 | 23,600 | 37.3 | 162.0 | 22,100 | 40.5 | 166.6 | 21,300 | 45.5 | 172.4 | 19,800 | 49.9 | 176.4 | 18,400 | | | | | | | 110 |
| 115 | 26.3 | 143.0 | 22,200 | 33.2 | 154.9 | 20,800 | 36.7 | 160.3 | 20,000 | 42.0 | 167.2 | 18,600 | 46.7 | 172.0 | 17,300 | 50.9 | 174.9 | 15,900 | | | | 115 |
| 120 | 20.2 | 131.4 | 20,900 | 28.5 | 146.5 | 19,600 | 32.5 | 153.1 | 18,800 | 38.3 | 161.3 | 17,500 | 43.3 | 167.0 | 16,200 | 47.7 | 170.6 | 15,000 | | | | 120 |
| 125 | 11.5 | 113.8 | 19,300 * | 23.0 | 136.2 | 18,500 | 27.8 | 144.5 | 17,700 | 34.3 | 154.5 | 16,500 | 39.7 | 161.3 | 15,300 | 44.4 | 165.8 | 14,100 | | | | 125 |
| 130 | | | | 15.8 | 122.0 | 17,500 | 22.1 | 133.7 | 16,800 | 29.8 | 146.5 | 15,600 | 35.8 | 154.8 | 14,400 | 40.9 | 160.4 | 13,200 | 45.3 | 163.7 | 12,100 | 130 |
| 135 | | | | | | | 14.5 | 118.6 | 15,800 | 24.5 | 136.7 | 14,700 | 31.5 | 147.3 | 13,600 | 37.1 | 154.2 | 12,500 | 41.8 | 158.5 | 11,400 | 135 |
| 140 | | | | | | | | | | 17.9 | 123.8 | 13,900 | 26.5 | 138.3 | 12,800 | 32.9 | 147.0 | 11,800 | 38.1 | 152.5 | 10,700 | 140 |
| 145 | | | | | | | | | | 6.7 | 100.9 | 13,100 | 20.6 | 126.8 | 12,100 | 28.2 | 138.6 | 11,100 | 34.1 | 145.7 | 10,100 | 145 |
| 150 | | | | | | | | | | | | | 12.1 | 109.7 | 11,400 | 22.7 | 128.1 | 10,500 | 29.5 | 137.6 | 9,600 | 150 |
| 155 | | | | | | | | | | | | | | | | 15.3 | 113.5 | 9,900 | 24.3 | 127.7 | 9,000 | 155 |
| 160 | | | | | | | | | | | | | | | | | | | 17.6 | 114.7 | 8,500 | 160 |
| 165 | | | | | | | | | | | | | | | | | | | 5.7 | 90.4 | 8,000 | 165 |



Liftcrane Luffing Jib Capacities

777 SERIES 1

New York City Code
 Luffing Jib No. 139 on Boom No. 78
 105,000 Lb. Counterweight
 360 Degree Rating

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

80 Ft. Boom, 130 Ft. Jib

| Jib Oper. Rad. Feet | 88 Degree Boom Angle | | | 83 Degree Boom Angle | | | 80 Degree Boom Angle | | | 75 Degree Boom Angle | | | 70 Degree Boom Angle | | | 65 Degree Boom Angle | | | 60 Degree Boom Angle | | | Jib Oper. Rad. Feet |
|------------------------------|-------------------------|-------------------------------|-----------------------------------|-------------------------|-------------------------------|-----------------------------------|-------------------------|-------------------------------|-----------------------------------|-------------------------|-------------------------------|-----------------------------------|-------------------------|-------------------------------|-----------------------------------|-------------------------|-------------------------------|-----------------------------------|-------------------------|-------------------------------|-----------------------------------|------------------------------|
| | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | |
| 40 | 75.5 | 215.8 | 51,100 * | | | | | | | | | | | | | | | | | | | 40 |
| 45 | 73.2 | 214.4 | 50,000 * | | | | | | | | | | | | | | | | | | | 45 |
| 50 | 70.9 | 212.7 | 48,900 * | | | | | | | | | | | | | | | | | | | 50 |
| 55 | 68.5 | 210.9 | 46,900 * | | | | | | | | | | | | | | | | | | | 55 |
| 60 | 66.1 | 208.8 | 44,900 * | 69.5 | 211.1 | 47,800 * | | | | | | | | | | | | | | | | 60 |
| 65 | 63.7 | 206.5 | 43,000 * | 67.2 | 209.1 | 44,200 | | | | | | | | | | | | | | | | 65 |
| 70 | 61.2 | 203.8 | 41,100 * | 64.8 | 206.8 | 40,100 | 66.8 | 208.1 | 38,600 | | | | | | | | | | | | | 70 |
| 75 | 58.7 | 200.9 | 38,900 | 62.3 | 204.4 | 36,600 | 64.4 | 205.8 | 35,300 | | | | | | | | | | | | | 75 |
| 80 | 56.0 | 197.7 | 35,800 | 59.8 | 201.6 | 33,600 | 61.9 | 203.3 | 32,400 | | | | | | | | | | | | | 80 |
| 85 | 53.3 | 194.2 | 33,000 | 57.2 | 198.5 | 31,100 | 59.4 | 200.5 | 29,900 | 62.9 | 202.7 | 27,900 | | | | | | | | | | 85 |
| 90 | 50.5 | 190.3 | 30,600 | 54.5 | 195.1 | 28,800 | 56.8 | 197.3 | 27,700 | 60.4 | 200.0 | 25,800 | | | | | | | | | | 90 |
| 95 | 47.6 | 186.0 | 28,500 | 51.8 | 191.4 | 26,800 | 54.1 | 193.9 | 25,700 | 57.8 | 197.0 | 24,000 | | | | | | | | | | 95 |
| 100 | 44.6 | 181.1 | 26,600 | 48.9 | 187.2 | 25,000 | 51.4 | 190.1 | 24,000 | 55.2 | 193.7 | 22,400 | | | | | | | | | | 100 |
| 105 | 41.3 | 175.8 | 24,900 | 45.9 | 182.6 | 23,400 | 48.5 | 185.9 | 22,400 | 52.5 | 190.0 | 20,900 | 56.2 | 192.7 | 19,400 | | | | | | | 105 |
| 110 | 37.9 | 169.7 | 23,400 | 42.8 | 177.5 | 21,900 | 45.5 | 181.2 | 21,000 | 49.6 | 186.0 | 19,600 | 53.5 | 189.2 | 18,100 | | | | | | | 110 |
| 115 | 34.1 | 162.9 | 22,000 | 39.4 | 171.8 | 20,600 | 42.3 | 176.0 | 19,800 | 46.7 | 181.5 | 18,400 | 50.7 | 185.3 | 17,000 | | | | | | | 115 |
| 120 | 30.0 | 154.9 | 20,700 | 35.8 | 165.3 | 19,400 | 38.9 | 170.2 | 18,600 | 43.6 | 176.5 | 17,300 | 47.8 | 181.0 | 16,000 | 51.6 | 183.7 | 14,700 | | | | 120 |
| 125 | 25.2 | 145.3 | 19,600 | 31.8 | 157.8 | 18,300 | 35.2 | 163.6 | 17,500 | 40.3 | 171.0 | 16,300 | 44.7 | 176.2 | 15,000 | 48.7 | 179.6 | 13,800 | | | | 125 |
| 130 | 19.4 | 133.1 | 18,500 | 27.4 | 149.0 | 17,300 | 31.2 | 155.9 | 16,600 | 36.7 | 164.7 | 15,400 | 41.5 | 170.8 | 14,200 | 45.7 | 174.9 | 13,000 | | | | 130 |
| 135 | 11.0 | 114.8 | 17,000 * | 22.1 | 138.2 | 16,400 | 26.7 | 146.9 | 15,700 | 32.9 | 157.5 | 14,500 | 38.1 | 164.8 | 13,400 | 42.6 | 169.8 | 12,200 | 46.5 | 172.8 | 11,100 | 135 |
| 140 | | | | 15.2 | 123.4 | 15,500 | 21.2 | 135.6 | 14,800 | 28.6 | 149.1 | 13,700 | 34.3 | 158.0 | 12,600 | 39.2 | 164.0 | 11,500 | 43.4 | 167.8 | 10,500 | 140 |
| 145 | | | | | | | 13.9 | 119.8 | 14,000 | 23.5 | 138.8 | 13,000 | 30.2 | 150.1 | 11,900 | 35.6 | 157.5 | 10,900 | 40.1 | 162.2 | 9,900 | 145 |
| 150 | | | | | | | | | | 17.2 | 125.4 | 12,300 | 25.5 | 140.6 | 11,300 | 31.6 | 149.9 | 10,300 | 36.6 | 155.9 | 9,300 | 150 |
| 155 | | | | | | | | | | 6.4 | 101.5 | 11,600 | 19.8 | 128.6 | 10,600 | 27.1 | 141.0 | 9,700 | 32.7 | 148.7 | 8,800 | 155 |
| 160 | | | | | | | | | | | | | 11.6 | 110.8 | 10,100 | 21.8 | 130.0 | 9,200 | 28.4 | 140.2 | 8,300 | 160 |
| 165 | | | | | | | | | | | | | | | | 14.7 | 114.8 | 8,600 | 23.3 | 129.8 | 7,800 | 165 |
| 170 | | | | | | | | | | | | | | | | | | | 16.9 | 116.2 | 7,300 | 170 |
| 175 | | | | | | | | | | | | | | | | | | | 5.5 | 90.8 | 6,900 | 175 |



Liftcrane Luffing Jib Capacities

777 SERIES 1

**New York City Code
Luffing Jib No. 139 on Boom No. 78
105,000 Lb. Counterweight
360 Degree Rating**

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

80 Ft. Boom, 140 Ft. Jib

| Jib Oper. Rad. Feet | 88 Degree Boom Angle | | | 83 Degree Boom Angle | | | 80 Degree Boom Angle | | | 75 Degree Boom Angle | | | 70 Degree Boom Angle | | | 65 Degree Boom Angle | | | 60 Degree Boom Angle | | | Jib Oper. Rad. Feet |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | |
| 45 | 74.4 | 224.8 | 46,700 * | | | | | | | | | | | | | | | | | | | 45 |
| 50 | 72.3 | 223.3 | 45,200 * | | | | | | | | | | | | | | | | | | | 50 |
| 55 | 70.1 | 221.6 | 43,200 * | | | | | | | | | | | | | | | | | | | 55 |
| 60 | 67.9 | 219.7 | 41,300 * | | | | | | | | | | | | | | | | | | | 60 |
| 65 | 65.7 | 217.5 | 39,500 * | 68.9 | 219.9 | 42,200 * | | | | | | | | | | | | | | | | 65 |
| 70 | 63.4 | 215.1 | 37,800 * | 66.7 | 217.8 | 39,800 | | | | | | | | | | | | | | | | 70 |
| 75 | 61.1 | 212.5 | 36,100 * | 64.4 | 215.5 | 36,300 | 66.3 | 216.8 | 34,900 | | | | | | | | | | | | | 75 |
| 80 | 58.8 | 209.6 | 34,500 * | 62.1 | 213.0 | 33,400 | 64.1 | 214.5 | 32,100 | | | | | | | | | | | | | 80 |
| 85 | 56.3 | 206.4 | 32,800 | 59.8 | 210.2 | 30,800 | 61.8 | 211.9 | 29,600 | | | | | | | | | | | | | 85 |
| 90 | 53.8 | 202.9 | 30,400 | 57.4 | 207.2 | 28,500 | 59.4 | 209.1 | 27,400 | 62.7 | 211.3 | 25,500 | | | | | | | | | | 90 |
| 95 | 51.3 | 199.1 | 28,300 | 54.9 | 203.8 | 26,500 | 57.0 | 206.0 | 25,400 | 60.4 | 208.6 | 23,700 | | | | | | | | | | 95 |
| 100 | 48.6 | 194.9 | 26,400 | 52.4 | 200.2 | 24,700 | 54.6 | 202.6 | 23,700 | 58.0 | 205.7 | 22,000 | | | | | | | | | | 100 |
| 105 | 45.8 | 190.3 | 24,700 | 49.8 | 196.1 | 23,100 | 52.0 | 198.9 | 22,100 | 55.6 | 202.4 | 20,600 | | | | | | | | | | 105 |
| 110 | 42.9 | 185.2 | 23,200 | 47.0 | 191.7 | 21,600 | 49.4 | 194.8 | 20,700 | 53.0 | 198.8 | 19,200 | 56.5 | 201.4 | 17,800 | | | | | | | 110 |
| 115 | 39.8 | 179.5 | 21,800 | 44.2 | 186.8 | 20,300 | 46.6 | 190.3 | 19,500 | 50.4 | 194.8 | 18,000 | 54.0 | 197.9 | 16,600 | | | | | | | 115 |
| 120 | 36.5 | 173.1 | 20,500 | 41.1 | 181.4 | 19,100 | 43.7 | 185.3 | 18,300 | 47.7 | 190.5 | 17,000 | 51.4 | 194.1 | 15,600 | | | | | | | 120 |
| 125 | 32.9 | 165.9 | 19,300 | 37.9 | 175.3 | 18,000 | 40.7 | 179.8 | 17,300 | 44.9 | 185.7 | 16,000 | 48.7 | 189.9 | 14,700 | 52.2 | 192.5 | 13,400 | | | | 125 |
| 130 | 28.9 | 157.5 | 18,300 | 34.5 | 168.5 | 17,000 | 37.4 | 173.6 | 16,300 | 41.9 | 180.4 | 15,000 | 45.9 | 185.3 | 13,800 | 49.6 | 188.5 | 12,600 | | | | 130 |
| 135 | 24.3 | 147.5 | 17,300 | 30.6 | 160.6 | 16,100 | 33.9 | 166.7 | 15,400 | 38.8 | 174.6 | 14,200 | 43.0 | 180.2 | 13,000 | 46.9 | 184.0 | 11,900 | | | | 135 |
| 140 | 18.7 | 134.8 | 16,400 | 26.4 | 151.4 | 15,200 | 30.0 | 158.7 | 14,500 | 35.4 | 167.9 | 13,400 | 39.9 | 174.5 | 12,300 | 44.0 | 179.1 | 11,200 | 47.6 | 181.8 | 10,100 | 140 |
| 145 | 10.6 | 115.7 | 14,800 * | 21.3 | 140.1 | 14,400 | 25.7 | 149.2 | 13,800 | 31.6 | 160.4 | 12,700 | 36.6 | 168.2 | 11,600 | 40.9 | 173.6 | 10,500 | 44.8 | 177.0 | 9,500 | 145 |
| 150 | | | | 14.7 | 124.7 | 13,700 | 20.4 | 137.5 | 13,000 | 27.5 | 151.6 | 12,000 | 33.0 | 161.0 | 10,900 | 37.7 | 167.5 | 9,900 | 41.8 | 171.7 | 8,900 | 150 |
| 155 | | | | | | | 13.4 | 121.0 | 12,300 | 22.7 | 140.9 | 11,300 | 29.1 | 152.7 | 10,300 | 34.2 | 160.6 | 9,400 | 38.6 | 165.8 | 8,400 | 155 |
| 160 | | | | | | | | | | 16.6 | 126.9 | 10,700 | 24.5 | 142.8 | 9,800 | 30.4 | 152.7 | 8,800 | 35.2 | 159.1 | 7,900 | 160 |
| 165 | | | | | | | | | | 6.2 | 102.0 | 10,100 | 19.0 | 130.3 | 9,200 | 26.1 | 143.4 | 8,300 | 31.5 | 151.5 | 7,500 | 165 |
| 170 | | | | | | | | | | | | | 11.2 | 111.8 | 8,700 | 21.0 | 131.9 | 7,900 | 27.3 | 142.7 | 7,000 | 170 |
| 175 | | | | | | | | | | | | | | | | 14.2 | 116.1 | 7,400 | 22.4 | 131.9 | 6,600 | 175 |
| 180 | | | | | | | | | | | | | | | | | | | 16.2 | 117.6 | 6,200 | 180 |



Liftcrane Luffing Jib Capacities

777 SERIES 1

New York City Code
Luffing Jib No. 139 on Boom No. 78
105,000 Lb. Counterweight
360 Degree Rating

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

80 Ft. Boom, 150 Ft. Jib

| Jib Oper. Rad. Feet | 88 Degree Boom Angle | | | 83 Degree Boom Angle | | | 80 Degree Boom Angle | | | 75 Degree Boom Angle | | | 70 Degree Boom Angle | | | 65 Degree Boom Angle | | | 60 Degree Boom Angle | | | Jib Oper. Rad. Feet |
|------------------------------|-------------------------|-------------------------------|-----------------------------------|-------------------------|-------------------------------|-----------------------------------|-------------------------|-------------------------------|-----------------------------------|-------------------------|-------------------------------|-----------------------------------|-------------------------|-------------------------------|-----------------------------------|-------------------------|-------------------------------|-----------------------------------|-------------------------|-------------------------------|-----------------------------------|------------------------------|
| | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | |
| 45 | 75.5 | 235.1 | 43,600 * | | | | | | | | | | | | | | | | | | | 45 |
| 50 | 73.5 | 233.7 | 41,800 * | | | | | | | | | | | | | | | | | | | 50 |
| 55 | 71.5 | 232.2 | 40,000 * | | | | | | | | | | | | | | | | | | | 55 |
| 60 | 69.5 | 230.4 | 38,200 * | | | | | | | | | | | | | | | | | | | 60 |
| 65 | 67.4 | 228.4 | 36,500 * | 70.3 | 230.5 | 38,900 * | | | | | | | | | | | | | | | | 65 |
| 70 | 65.3 | 226.2 | 34,900 * | 68.3 | 228.6 | 37,300 * | | | | | | | | | | | | | | | | 70 |
| 75 | 63.2 | 223.8 | 33,300 * | 66.2 | 226.5 | 35,600 * | 68.0 | 227.6 | 34,800 | | | | | | | | | | | | | 75 |
| 80 | 61.1 | 221.2 | 31,700 * | 64.1 | 224.2 | 33,200 | 65.9 | 225.5 | 31,900 | | | | | | | | | | | | | 80 |
| 85 | 58.8 | 218.3 | 30,300 * | 62.0 | 221.7 | 30,600 | 63.8 | 223.2 | 29,400 | | | | | | | | | | | | | 85 |
| 90 | 56.6 | 215.1 | 28,900 * | 59.8 | 218.9 | 28,400 | 61.7 | 220.6 | 27,200 | | | | | | | | | | | | | 90 |
| 95 | 54.3 | 211.7 | 27,500 * | 57.6 | 215.9 | 26,400 | 59.5 | 217.8 | 25,300 | 62.5 | 220.0 | 23,500 | | | | | | | | | | 95 |
| 100 | 51.9 | 207.9 | 26,200 * | 55.3 | 212.5 | 24,600 | 57.2 | 214.7 | 23,600 | 60.4 | 217.3 | 21,900 | | | | | | | | | | 100 |
| 105 | 49.4 | 203.8 | 24,600 | 52.9 | 208.9 | 23,000 | 54.9 | 211.3 | 22,000 | 58.1 | 214.3 | 20,500 | | | | | | | | | | 105 |
| 110 | 46.8 | 199.3 | 23,100 | 50.5 | 205.0 | 21,500 | 52.6 | 207.7 | 20,600 | 55.9 | 211.1 | 19,100 | | | | | | | | | | 110 |
| 115 | 44.2 | 194.4 | 21,700 | 48.0 | 200.7 | 20,200 | 50.1 | 203.7 | 19,400 | 53.5 | 207.5 | 17,900 | 56.7 | 210.0 | 16,500 | | | | | | | 115 |
| 120 | 41.3 | 189.0 | 20,400 | 45.3 | 195.9 | 19,000 | 47.6 | 199.3 | 18,200 | 51.1 | 203.7 | 16,800 | 54.4 | 206.6 | 15,500 | | | | | | | 120 |
| 125 | 38.4 | 183.0 | 19,300 | 42.6 | 190.8 | 17,900 | 44.9 | 194.5 | 17,200 | 48.6 | 199.5 | 15,900 | 52.0 | 202.9 | 14,600 | | | | | | | 125 |
| 130 | 35.2 | 176.3 | 18,200 | 39.7 | 185.0 | 16,900 | 42.2 | 189.3 | 16,200 | 46.0 | 194.8 | 14,900 | 49.5 | 198.8 | 13,700 | 52.8 | 201.3 | 12,500 | | | | 130 |
| 135 | 31.7 | 168.8 | 17,200 | 36.6 | 178.7 | 16,000 | 39.2 | 183.4 | 15,300 | 43.3 | 189.8 | 14,100 | 47.0 | 194.3 | 12,900 | 50.3 | 197.3 | 11,800 | | | | 135 |
| 140 | 27.9 | 160.0 | 16,300 | 33.3 | 171.5 | 15,200 | 36.1 | 177.0 | 14,500 | 40.4 | 184.2 | 13,300 | 44.3 | 189.4 | 12,200 | 47.8 | 193.0 | 11,100 | | | | 140 |
| 145 | 23.5 | 149.6 | 15,500 | 29.6 | 163.3 | 14,400 | 32.7 | 169.7 | 13,700 | 37.4 | 178.0 | 12,600 | 41.5 | 184.1 | 11,500 | 45.2 | 188.2 | 10,400 | | | | 145 |
| 150 | 18.1 | 136.4 | 14,700 | 25.5 | 153.7 | 13,600 | 29.0 | 161.3 | 13,000 | 34.1 | 171.1 | 11,900 | 38.5 | 178.1 | 10,900 | 42.4 | 183.0 | 9,800 | 45.9 | 186.1 | 8,800 | 150 |
| 155 | 10.3 | 116.6 | 13,100 * | 20.6 | 141.9 | 12,900 | 24.8 | 151.4 | 12,300 | 30.5 | 163.2 | 11,300 | 35.3 | 171.5 | 10,300 | 39.5 | 177.3 | 9,300 | 43.2 | 181.1 | 8,300 | 155 |
| 160 | | | | 14.2 | 126.0 | 12,200 | 19.7 | 139.2 | 11,700 | 26.5 | 154.0 | 10,700 | 31.9 | 163.9 | 9,700 | 36.4 | 170.8 | 8,800 | 40.3 | 175.5 | 7,800 | 160 |
| 165 | | | | | | | 13.0 | 122.2 | 11,000 | 21.9 | 142.9 | 10,100 | 28.1 | 155.3 | 9,200 | 33.0 | 163.6 | 8,300 | 37.2 | 169.2 | 7,400 | 165 |
| 170 | | | | | | | | | | 16.0 | 128.3 | 9,600 | 23.7 | 145.0 | 8,700 | 29.4 | 155.4 | 7,800 | 34.0 | 162.2 | 6,900 | 170 |
| 175 | | | | | | | | | | 6.0 | 102.6 | 9,000 | 18.4 | 132.0 | 8,200 | 25.2 | 145.7 | 7,400 | 30.4 | 154.3 | 6,500 | 175 |
| 180 | | | | | | | | | | | | | 10.8 | 112.7 | 7,700 | 20.2 | 133.7 | 6,900 | 26.4 | 145.0 | 6,100 | 180 |
| 190 | | | | | | | | | | | | | | | | | | | 15.7 | 119.0 | 5,400 | 190 |



Liftcrane Luffing Jib Capacities

777 SERIES 1

New York City Code
 Luffing Jib No. 139 on Boom No. 78
 105,000 Lb. Counterweight
 360 Degree Rating

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

80 Ft. Boom, 160 Ft. Jib

| Jib Oper. Rad. Feet | 88 Degree Boom Angle | | | 83 Degree Boom Angle | | | 80 Degree Boom Angle | | | 75 Degree Boom Angle | | | 70 Degree Boom Angle | | | 65 Degree Boom Angle | | | 60 Degree Boom Angle | | | Jib Oper. Rad. Feet |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | |
| 50 | 74.6 | 244.1 | 38,400 * | | | | | | | | | | | | | | | | | | | 50 |
| 55 | 72.7 | 242.7 | 36,700 * | | | | | | | | | | | | | | | | | | | 55 |
| 60 | 70.8 | 241.0 | 35,000 * | | | | | | | | | | | | | | | | | | | 60 |
| 65 | 68.9 | 239.2 | 33,400 * | | | | | | | | | | | | | | | | | | | 65 |
| 70 | 67.0 | 237.2 | 31,800 * | 69.7 | 239.3 | 34,000 * | | | | | | | | | | | | | | | | 70 |
| 75 | 65.0 | 234.9 | 30,300 * | 67.8 | 237.4 | 32,500 * | | | | | | | | | | | | | | | | 75 |
| 80 | 63.0 | 232.5 | 28,800 * | 65.9 | 235.3 | 31,000 * | 67.5 | 236.4 | 31,600 | | | | | | | | | | | | | 80 |
| 85 | 61.0 | 229.8 | 27,400 * | 63.9 | 232.9 | 29,500 * | 65.6 | 234.2 | 29,100 | | | | | | | | | | | | | 85 |
| 90 | 58.9 | 226.9 | 26,000 * | 61.9 | 230.4 | 28,100 * | 63.6 | 231.9 | 26,900 | | | | | | | | | | | | | 90 |
| 95 | 56.8 | 223.8 | 24,700 * | 59.8 | 227.6 | 26,100 | 61.6 | 229.3 | 25,000 | | | | | | | | | | | | | 95 |
| 100 | 54.6 | 220.4 | 23,500 * | 57.7 | 224.5 | 24,300 | 59.5 | 226.4 | 23,300 | 62.4 | 228.7 | 21,600 | | | | | | | | | | 100 |
| 105 | 52.4 | 216.7 | 22,300 * | 55.6 | 221.2 | 22,700 | 57.4 | 223.4 | 21,700 | 60.3 | 226.0 | 20,100 | | | | | | | | | | 105 |
| 110 | 50.1 | 212.7 | 21,100 * | 53.4 | 217.7 | 21,300 | 55.3 | 220.0 | 20,300 | 58.3 | 223.0 | 18,800 | | | | | | | | | | 110 |
| 115 | 47.7 | 208.3 | 20,100 * | 51.1 | 213.8 | 20,000 | 53.0 | 216.4 | 19,100 | 56.1 | 219.8 | 17,600 | | | | | | | | | | 115 |
| 120 | 45.3 | 203.6 | 19,000 * | 48.8 | 209.6 | 18,800 | 50.8 | 212.5 | 17,900 | 53.9 | 216.3 | 16,500 | 56.9 | 218.7 | 15,200 | | | | | | | 120 |
| 125 | 42.7 | 198.4 | 18,100 * | 46.3 | 205.0 | 17,700 | 48.4 | 208.3 | 16,900 | 51.7 | 212.5 | 15,500 | 54.7 | 215.3 | 14,200 | | | | | | | 125 |
| 130 | 40.0 | 192.7 | 17,200 * | 43.8 | 200.0 | 16,700 | 46.0 | 203.6 | 15,900 | 49.4 | 208.4 | 14,600 | 52.5 | 211.7 | 13,400 | | | | | | | 130 |
| 135 | 37.1 | 186.4 | 16,300 * | 41.2 | 194.6 | 15,700 | 43.4 | 198.6 | 15,000 | 47.0 | 203.9 | 13,800 | 50.2 | 207.7 | 12,600 | | | | | | | 135 |
| 140 | 34.0 | 179.4 | 15,500 * | 38.4 | 188.6 | 14,900 | 40.8 | 193.0 | 14,200 | 44.5 | 199.0 | 13,000 | 47.9 | 203.3 | 11,800 | 51.0 | 206.1 | 10,700 | | | | 140 |
| 145 | 30.7 | 171.6 | 14,700 * | 35.4 | 181.9 | 14,100 | 37.9 | 186.9 | 13,400 | 41.9 | 193.7 | 12,300 | 45.4 | 198.6 | 11,200 | 48.6 | 201.9 | 10,100 | | | | 145 |
| 150 | 27.0 | 162.5 | 14,000 * | 32.2 | 174.4 | 13,300 | 34.9 | 180.2 | 12,700 | 39.1 | 187.8 | 11,600 | 42.8 | 193.4 | 10,500 | 46.2 | 197.3 | 9,500 | | | | 150 |
| 155 | 22.7 | 151.7 | 13,400 * | 28.6 | 165.9 | 12,700 | 31.7 | 172.6 | 12,000 | 36.2 | 181.3 | 11,000 | 40.1 | 187.8 | 9,900 | 43.7 | 192.3 | 8,900 | 46.9 | 195.2 | 8,000 | 155 |
| 160 | 17.5 | 138.0 | 12,800 * | 24.6 | 155.9 | 12,000 | 28.1 | 163.8 | 11,400 | 33.0 | 174.1 | 10,400 | 37.3 | 181.5 | 9,400 | 41.0 | 186.8 | 8,400 | 44.4 | 190.3 | 7,500 | 160 |
| 165 | 9.9 | 117.5 | 11,400 * | 19.9 | 143.7 | 11,400 | 24.0 | 153.6 | 10,800 | 29.6 | 165.8 | 9,800 | 34.2 | 174.6 | 8,900 | 38.2 | 180.8 | 7,900 | 41.7 | 184.9 | 7,000 | 165 |
| 170 | | | | 13.7 | 127.2 | 10,800 | 19.1 | 140.9 | 10,200 | 25.7 | 156.3 | 9,300 | 30.9 | 166.7 | 8,400 | 35.2 | 174.1 | 7,500 | 39.0 | 179.1 | 6,600 | 170 |
| 175 | | | | | | | 12.5 | 123.3 | 9,700 | 21.2 | 144.8 | 8,800 | 27.2 | 157.7 | 7,900 | 32.0 | 166.5 | 7,000 | 36.0 | 172.5 | 6,200 | 175 |
| 180 | | | | | | | | | | 15.5 | 129.7 | 8,300 | 22.9 | 147.0 | 7,500 | 28.4 | 157.9 | 6,600 | 32.9 | 165.2 | 5,800 | 180 |
| 190 | | | | | | | | | | | | | 10.4 | 113.7 | 6,600 | 19.6 | 135.5 | 5,900 | 25.5 | 147.3 | 5,100 | 190 |
| 200 | | | | | | | | | | | | | | | | | | | 15.2 | 120.4 | 4,400 | 200 |



Liftcrane Luffing Jib Capacities

777 SERIES 1

New York City Code
 Luffing Jib No. 139 on Boom No. 78
 105,000 Lb. Counterweight
 360 Degree Rating

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

80 Ft. Boom, 170 Ft. Jib

| Jib Oper. Rad. Feet | 88 Degree Boom Angle | | | 83 Degree Boom Angle | | | 80 Degree Boom Angle | | | 75 Degree Boom Angle | | | 70 Degree Boom Angle | | | 65 Degree Boom Angle | | | 60 Degree Boom Angle | | | Jib Oper. Rad. Feet |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | |
| 50 | 75.5 | 254.5 | 35,300 * | | | | | | | | | | | | | | | | | | | 50 |
| 55 | 73.7 | 253.1 | 33,900 * | | | | | | | | | | | | | | | | | | | 55 |
| 60 | 72.0 | 251.6 | 32,300 * | | | | | | | | | | | | | | | | | | | 60 |
| 65 | 70.2 | 249.9 | 30,700 * | | | | | | | | | | | | | | | | | | | 65 |
| 70 | 68.4 | 248.0 | 29,200 * | 71.0 | 250.0 | 31,300 * | | | | | | | | | | | | | | | | 70 |
| 75 | 66.6 | 245.9 | 27,800 * | 69.2 | 248.1 | 29,800 * | | | | | | | | | | | | | | | | 75 |
| 80 | 64.7 | 243.6 | 26,400 * | 67.4 | 246.2 | 28,400 * | | | | | | | | | | | | | | | | 80 |
| 85 | 62.8 | 241.2 | 25,000 * | 65.5 | 244.0 | 27,000 * | 67.1 | 245.2 | 28,000 * | | | | | | | | | | | | | 85 |
| 90 | 60.9 | 238.5 | 23,700 * | 63.7 | 241.6 | 25,700 * | 65.2 | 242.9 | 26,700 * | | | | | | | | | | | | | 90 |
| 95 | 59.0 | 235.6 | 22,500 * | 61.8 | 239.0 | 24,300 * | 63.4 | 240.5 | 24,800 * | | | | | | | | | | | | | 95 |
| 100 | 57.0 | 232.5 | 21,300 * | 59.8 | 236.2 | 23,100 * | 61.5 | 237.9 | 23,000 * | | | | | | | | | | | | | 100 |
| 105 | 55.0 | 229.1 | 20,100 * | 57.9 | 233.2 | 21,900 * | 59.5 | 235.1 | 21,500 * | 62.2 | 237.4 | 19,900 * | | | | | | | | | | 105 |
| 110 | 52.9 | 225.5 | 19,000 * | 55.8 | 229.9 | 20,700 * | 57.6 | 232.0 | 20,100 * | 60.3 | 234.6 | 18,500 * | | | | | | | | | | 110 |
| 115 | 50.7 | 221.5 | 18,000 * | 53.8 | 226.4 | 19,600 * | 55.5 | 228.7 | 18,800 * | 58.4 | 231.7 | 17,400 * | | | | | | | | | | 115 |
| 120 | 48.5 | 217.3 | 17,000 * | 51.7 | 222.6 | 18,500 * | 53.5 | 225.2 | 17,700 * | 56.4 | 228.4 | 16,300 * | | | | | | | | | | 120 |
| 125 | 46.2 | 212.7 | 16,100 * | 49.5 | 218.5 | 17,400 * | 51.3 | 221.3 | 16,600 * | 54.3 | 225.0 | 15,300 * | 57.1 | 227.4 | 14,000 * | | | | | | | 125 |
| 130 | 43.8 | 207.7 | 15,200 * | 47.2 | 214.0 | 16,400 * | 49.2 | 217.2 | 15,700 * | 52.2 | 221.3 | 14,400 * | 55.1 | 224.0 | 13,100 * | | | | | | | 130 |
| 135 | 41.4 | 202.2 | 14,400 * | 44.9 | 209.2 | 15,500 * | 46.9 | 212.7 | 14,800 * | 50.0 | 217.2 | 13,500 * | 53.0 | 220.4 | 12,300 * | | | | | | | 135 |
| 140 | 38.7 | 196.3 | 13,600 * | 42.4 | 204.0 | 14,700 * | 44.5 | 207.8 | 13,900 * | 47.8 | 212.9 | 12,800 * | 50.8 | 216.5 | 11,600 * | | | | | | | 140 |
| 145 | 36.0 | 189.7 | 12,800 * | 39.9 | 198.3 | 13,900 * | 42.1 | 202.5 | 13,200 * | 45.5 | 208.1 | 12,000 * | 48.6 | 212.3 | 10,900 * | 51.5 | 215.0 | 9,800 * | | | | 145 |
| 150 | 33.0 | 182.5 | 12,100 * | 37.2 | 192.0 | 13,100 * | 39.5 | 196.7 | 12,500 * | 43.1 | 203.0 | 11,400 * | 46.3 | 207.7 | 10,300 * | 49.4 | 210.8 | 9,200 * | | | | 150 |
| 155 | 29.7 | 174.3 | 11,300 * | 34.3 | 185.0 | 12,400 * | 36.8 | 190.3 | 11,800 * | 40.5 | 197.4 | 10,700 * | 44.0 | 202.7 | 9,700 * | 47.1 | 206.4 | 8,700 * | | | | 155 |
| 160 | 26.1 | 164.8 | 10,500 * | 31.2 | 177.3 | 11,700 * | 33.9 | 183.3 | 11,200 * | 37.9 | 191.3 | 10,200 * | 41.5 | 197.3 | 9,100 * | 44.7 | 201.5 | 8,200 * | 47.7 | 204.2 | 7,200 * | 160 |
| 165 | 22.0 | 153.6 | 9,700 * | 27.8 | 168.4 | 10,800 * | 30.7 | 175.3 | 10,600 * | 35.0 | 184.5 | 9,600 * | 38.9 | 191.4 | 8,600 * | 42.3 | 196.2 | 7,700 * | 45.4 | 199.4 | 6,800 * | 165 |
| 170 | 17.0 | 139.5 | 8,900 * | 23.9 | 158.1 | 10,000 * | 27.2 | 166.3 | 10,000 * | 32.0 | 177.0 | 9,100 * | 36.1 | 184.8 | 8,100 * | 39.7 | 190.5 | 7,200 * | 43.0 | 194.3 | 6,300 * | 170 |
| 175 | 9.6 | 118.4 | 8,200 * | 19.3 | 145.5 | 9,200 * | 23.3 | 155.7 | 9,500 * | 28.7 | 168.4 | 8,600 * | 33.1 | 177.6 | 7,700 * | 37.0 | 184.2 | 6,800 * | 40.4 | 188.7 | 5,900 * | 175 |
| 180 | | | | 13.3 | 128.4 | 8,500 * | 18.5 | 142.6 | 9,000 * | 24.9 | 158.5 | 8,100 * | 29.9 | 169.5 | 7,300 * | 34.1 | 177.2 | 6,400 * | 37.8 | 182.5 | 5,600 * | 180 |
| 190 | | | | | | | | | | 15.0 | 131.0 | 7,300 * | 22.2 | 149.0 | 6,400 * | 27.5 | 160.4 | 5,600 * | 31.8 | 168.1 | 4,900 * | 190 |
| 200 | | | | | | | | | | | | | 10.1 | 114.6 | 5,700 * | 19.0 | 137.2 | 5,000 * | 24.7 | 149.6 | 4,200 * | 200 |



Liftcrane Luffing Jib Capacities

777 SERIES 1

New York City Code
 Luffing Jib No. 139 on Boom No. 78
 105,000 Lb. Counterweight
 360 Degree Rating

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

90 Ft. Boom, 70 Ft. Jib

| Jib Oper. Rad. Feet | 88 Degree Boom Angle | | | 83 Degree Boom Angle | | | 80 Degree Boom Angle | | | 75 Degree Boom Angle | | | 70 Degree Boom Angle | | | 65 Degree Boom Angle | | | 60 Degree Boom Angle | | | Jib Oper. Rad. Feet |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | |
| 30 | 71.5 | 166.3 | 103,700 *b | | | | | | | | | | | | | | | | | | | 30 |
| 35 | 67.1 | 164.4 | 99,400 *b | | | | | | | | | | | | | | | | | | | 35 |
| 40 | 62.6 | 162.0 | 89,800 b | 69.8 | 164.9 | 84,800 b | | | | | | | | | | | | | | | | 40 |
| 45 | 57.8 | 159.2 | 76,800 | 65.3 | 162.8 | 72,500 b | | | | | | | | | | | | | | | | 45 |
| 50 | 52.9 | 155.7 | 67,000 | 60.7 | 160.2 | 63,200 | 65.1 | 161.9 | 60,900 b | | | | | | | | | | | | | 50 |
| 55 | 47.5 | 151.5 | 59,200 | 55.9 | 157.2 | 55,900 | 60.5 | 159.4 | 53,900 | | | | | | | | | | | | | 55 |
| 60 | 41.7 | 146.5 | 53,000 | 50.8 | 153.4 | 50,000 | 55.7 | 156.2 | 48,200 | | | | | | | | | | | | | 60 |
| 65 | 35.1 | 140.2 | 47,900 | 45.3 | 149.0 | 45,100 | 50.6 | 152.5 | 43,500 | 58.5 | 156.3 | 40,800 | | | | | | | | | | 65 |
| 70 | 27.2 | 131.9 | 43,500 | 39.2 | 143.5 | 41,100 | 45.1 | 148.0 | 39,600 | 53.5 | 152.9 | 37,100 | | | | | | | | | | 70 |
| 75 | 16.1 | 119.3 | 39,800 | 32.2 | 136.5 | 37,600 | 38.9 | 142.4 | 36,200 | 48.3 | 148.8 | 33,900 | 56.2 | 152.2 | 31,700 | | | | | | | 75 |
| 80 | | | | 23.4 | 127.0 | 34,600 | 31.9 | 135.4 | 33,300 | 42.5 | 143.9 | 31,200 | 51.1 | 148.6 | 29,100 | | | | | | | 80 |
| 85 | | | | 8.5 | 109.6 | 31,900 | 23.0 | 125.7 | 30,800 | 36.1 | 137.8 | 28,800 | 45.7 | 144.1 | 26,900 | | | | | | | 85 |
| 90 | | | | | | | 7.2 | 107.2 | 28,500 | 28.4 | 129.8 | 26,800 | 39.6 | 138.7 | 24,900 | 48.4 | 143.2 | 23,200 | | | | 90 |
| 95 | | | | | | | | | | 28.4 | 129.8 | 26,800 | 39.6 | 138.7 | 24,900 | 42.6 | 138.3 | 21,500 | | | | 95 |
| 100 | | | | | | | | | | 17.9 | 118.1 | 24,900 | 32.7 | 131.8 | 23,200 | 36.2 | 132.2 | 20,100 | 45.1 | 136.7 | 18,600 | 100 |
| 105 | | | | | | | | | | | | | 10.0 | 106.3 | 20,200 | 28.5 | 124.3 | 18,800 | 39.0 | 131.1 | 17,300 | 105 |
| 110 | | | | | | | | | | | | | | | | 18.1 | 112.7 | 17,600 | 31.9 | 124.1 | 16,200 | 110 |
| 115 | | | | | | | | | | | | | | | | | | | 23.1 | 114.5 | 15,200 | 115 |
| 120 | | | | | | | | | | | | | | | | | | | 7.5 | 96.2 | 14,200 | 120 |



Liftcrane Luffing Jib Capacities

777 SERIES 1

New York City Code
 Luffing Jib No. 139 on Boom No. 78
 105,000 Lb. Counterweight
 360 Degree Rating

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

90 Ft. Boom, 80 Ft. Jib

| Jib Oper. Rad. Feet | 88 Degree Boom Angle | | | 83 Degree Boom Angle | | | 80 Degree Boom Angle | | | 75 Degree Boom Angle | | | 70 Degree Boom Angle | | | 65 Degree Boom Angle | | | 60 Degree Boom Angle | | | Jib Oper. Rad. Feet |
|------------------------------|-------------------------|-------------------------------|-----------------------------------|-------------------------|-------------------------------|-----------------------------------|-------------------------|-------------------------------|-----------------------------------|-------------------------|-------------------------------|-----------------------------------|-------------------------|-------------------------------|-----------------------------------|-------------------------|-------------------------------|-----------------------------------|-------------------------|-------------------------------|-----------------------------------|------------------------------|
| | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | |
| 30 | 73.8 | 176.7 | 94,600 *b | | | | | | | | | | | | | | | | | | | 30 |
| 35 | 70.1 | 175.1 | 90,900 *b | | | | | | | | | | | | | | | | | | | 35 |
| 40 | 66.2 | 173.1 | 87,400 * | | | | | | | | | | | | | | | | | | | 40 |
| 45 | 62.2 | 170.7 | 76,600 | 68.6 | 173.7 | 72,200 b | | | | | | | | | | | | | | | | 45 |
| 50 | 58.1 | 167.8 | 66,700 | 64.7 | 171.5 | 62,900 | | | | | | | | | | | | | | | | 50 |
| 55 | 53.8 | 164.5 | 59,000 | 60.6 | 168.9 | 55,600 | 64.5 | 170.6 | 53,500 | | | | | | | | | | | | | 55 |
| 60 | 49.2 | 160.5 | 52,800 | 56.4 | 165.8 | 49,700 | 60.5 | 168.0 | 47,800 | | | | | | | | | | | | | 60 |
| 65 | 44.3 | 155.8 | 47,700 | 52.0 | 162.2 | 44,900 | 56.2 | 164.9 | 43,200 | 62.8 | 167.7 | 40,400 | | | | | | | | | | 65 |
| 70 | 38.9 | 150.1 | 43,400 | 47.3 | 158.0 | 40,800 | 51.8 | 161.3 | 39,300 | 58.7 | 164.9 | 36,700 | | | | | | | | | | 70 |
| 75 | 32.8 | 143.2 | 39,700 | 42.2 | 153.0 | 37,300 | 47.1 | 157.0 | 35,900 | 54.4 | 161.6 | 33,600 | | | | | | | | | | 75 |
| 80 | 25.4 | 134.2 | 36,500 | 36.6 | 146.9 | 34,400 | 42.0 | 152.0 | 33,000 | 49.8 | 157.7 | 30,900 | 56.7 | 160.9 | 28,700 | | | | | | | 80 |
| 85 | 15.1 | 120.7 | 33,700 | 30.1 | 139.3 | 31,800 | 36.3 | 145.8 | 30,500 | 45.0 | 153.1 | 28,500 | 52.3 | 157.4 | 26,500 | | | | | | | 85 |
| 90 | | | | 21.9 | 129.0 | 29,500 | 29.8 | 138.1 | 28,300 | 39.7 | 147.6 | 26,500 | 47.6 | 153.2 | 24,600 | | | | | | | 90 |
| 95 | | | | 8.0 | 110.3 | 27,400 | 21.5 | 127.7 | 26,400 | 33.7 | 140.9 | 24,600 | 42.6 | 148.2 | 22,900 | 49.9 | 152.1 | 21,100 | | | | 95 |
| 100 | | | | | | | 6.7 | 107.8 | 24,500 | 26.5 | 132.3 | 23,000 | 37.0 | 142.2 | 21,300 | 45.1 | 147.5 | 19,700 | | | | 100 |
| 105 | | | | | | | | | | 16.8 | 119.7 | 21,500 | 30.5 | 134.7 | 19,900 | 39.7 | 142.0 | 18,400 | 47.1 | 145.8 | 16,900 | 105 |
| 110 | | | | | | | | | | | | | 22.5 | 124.6 | 18,700 | 33.7 | 135.4 | 17,200 | 42.0 | 140.7 | 15,800 | 110 |
| 115 | | | | | | | | | | | | | 9.4 | 107.1 | 17,500 | 26.6 | 126.8 | 16,200 | 36.4 | 134.6 | 14,800 | 115 |
| 120 | | | | | | | | | | | | | | | | 17.0 | 114.3 | 15,200 | 29.8 | 126.9 | 13,900 | 120 |
| 125 | | | | | | | | | | | | | | | | | | | 21.6 | 116.5 | 13,100 | 125 |
| 130 | | | | | | | | | | | | | | | | | | | 7.0 | 96.8 | 12,200 | 130 |



Liftcrane Luffing Jib Capacities

777 SERIES 1

**New York City Code
Luffing Jib No. 139 on Boom No. 78
105,000 Lb. Counterweight
360 Degree Rating**

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

90 Ft. Boom, 90 Ft. Jib

| Jib Oper. Rad. Feet | 88 Degree Boom Angle | | | 83 Degree Boom Angle | | | 80 Degree Boom Angle | | | 75 Degree Boom Angle | | | 70 Degree Boom Angle | | | 65 Degree Boom Angle | | | 60 Degree Boom Angle | | | Jib Oper. Rad. Feet |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | |
| 30 | 75.7 | 187.1 | 84,800 *b | | | | | | | | | | | | | | | | | | | 30 |
| 35 | 72.4 | 185.7 | 81,600 *b | | | | | | | | | | | | | | | | | | | 35 |
| 40 | 69.0 | 183.9 | 77,900 * | | | | | | | | | | | | | | | | | | | 40 |
| 45 | 65.5 | 181.8 | 74,400 * | | | | | | | | | | | | | | | | | | | 45 |
| 50 | 62.0 | 179.4 | 66,600 | 67.6 | 182.4 | 62,700 | | | | | | | | | | | | | | | | 50 |
| 55 | 58.3 | 176.5 | 58,800 | 64.2 | 180.2 | 55,400 | 67.5 | 181.6 | 53,300 | | | | | | | | | | | | | 55 |
| 60 | 54.5 | 173.2 | 52,600 | 60.6 | 177.6 | 49,500 | 64.0 | 179.3 | 47,600 | | | | | | | | | | | | | 60 |
| 65 | 50.5 | 169.3 | 47,500 | 56.8 | 174.5 | 44,700 | 60.4 | 176.7 | 42,900 | | | | | | | | | | | | | 65 |
| 70 | 46.2 | 164.9 | 43,200 | 53.0 | 171.0 | 40,600 | 56.7 | 173.6 | 39,000 | 62.5 | 176.4 | 36,400 | | | | | | | | | | 70 |
| 75 | 41.6 | 159.7 | 39,600 | 48.8 | 167.0 | 37,200 | 52.8 | 170.1 | 35,700 | 58.8 | 173.6 | 33,300 | | | | | | | | | | 75 |
| 80 | 36.6 | 153.6 | 36,400 | 44.5 | 162.2 | 34,200 | 48.7 | 166.0 | 32,900 | 55.0 | 170.3 | 30,600 | | | | | | | | | | 80 |
| 85 | 30.9 | 146.1 | 33,700 | 39.7 | 156.7 | 31,600 | 44.3 | 161.2 | 30,400 | 51.0 | 166.6 | 28,300 | 57.1 | 169.6 | 26,300 | | | | | | | 85 |
| 90 | 23.9 | 136.4 | 31,300 | 34.4 | 150.1 | 29,300 | 39.5 | 155.7 | 28,200 | 46.8 | 162.2 | 26,200 | 53.2 | 166.1 | 24,300 | | | | | | | 90 |
| 95 | 14.2 | 122.0 | 29,100 | 28.3 | 141.9 | 27,300 | 34.2 | 149.0 | 26,200 | 42.3 | 157.1 | 24,400 | 49.1 | 162.1 | 22,600 | | | | | | | 95 |
| 100 | | | | 20.6 | 130.9 | 25,500 | 28.0 | 140.7 | 24,500 | 37.3 | 151.1 | 22,800 | 44.7 | 157.4 | 21,100 | 51.1 | 160.9 | 19,500 | | | | 100 |
| 105 | | | | 7.5 | 111.0 | 23,800 | 20.2 | 129.5 | 22,900 | 31.7 | 143.8 | 21,300 | 40.0 | 151.9 | 19,700 | 46.9 | 156.6 | 18,200 | | | | 105 |
| 110 | | | | | | | 6.4 | 108.4 | 21,400 | 25.0 | 134.6 | 20,000 | 34.8 | 145.4 | 18,500 | 42.3 | 151.5 | 17,000 | | | | 110 |
| 115 | | | | | | | | | | 15.8 | 121.1 | 18,700 | 28.7 | 137.3 | 17,400 | 37.4 | 145.5 | 16,000 | 44.3 | 150.0 | 14,600 | 115 |
| 120 | | | | | | | | | | | | | 21.2 | 126.6 | 16,300 | 31.8 | 138.3 | 15,000 | 39.5 | 144.4 | 13,700 | 120 |
| 125 | | | | | | | | | | | | | 8.8 | 107.9 | 15,300 | 25.1 | 129.0 | 14,100 | 34.2 | 137.7 | 12,900 | 125 |
| 130 | | | | | | | | | | | | | | | | 16.0 | 115.7 | 13,300 | 28.1 | 129.5 | 12,100 | 130 |
| 135 | | | | | | | | | | | | | | | | | | | 20.3 | 118.3 | 11,400 | 135 |
| 140 | | | | | | | | | | | | | | | | | | | 6.6 | 97.4 | 10,700 | 140 |



Liftcrane Luffing Jib Capacities

777 SERIES 1

New York City Code
 Luffing Jib No. 139 on Boom No. 78
 105,000 Lb. Counterweight
 360 Degree Rating

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

90 Ft. Boom, 100 Ft. Jib

| Jib Oper. Rad. Feet | 88 Degree Boom Angle | | | 83 Degree Boom Angle | | | 80 Degree Boom Angle | | | 75 Degree Boom Angle | | | 70 Degree Boom Angle | | | 65 Degree Boom Angle | | | 60 Degree Boom Angle | | | Jib Oper. Rad. Feet |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | |
| 35 | 74.2 | 196.1 | 75,200 *b | | | | | | | | | | | | | | | | | | | 35 |
| 40 | 71.2 | 194.6 | 72,400 * | | | | | | | | | | | | | | | | | | | 40 |
| 45 | 68.1 | 192.7 | 69,300 * | | | | | | | | | | | | | | | | | | | 45 |
| 50 | 65.0 | 190.5 | 66,200 * | 70.0 | 193.1 | 62,300 | | | | | | | | | | | | | | | | 50 |
| 55 | 61.8 | 188.0 | 58,600 | 66.9 | 191.2 | 55,100 | | | | | | | | | | | | | | | | 55 |
| 60 | 58.5 | 185.2 | 52,400 | 63.8 | 188.9 | 49,200 | 66.8 | 190.3 | 47,300 | | | | | | | | | | | | | 60 |
| 65 | 55.1 | 181.9 | 47,300 | 60.5 | 186.2 | 44,300 | 63.6 | 188.0 | 42,600 | | | | | | | | | | | | | 65 |
| 70 | 51.5 | 178.2 | 43,000 | 57.2 | 183.2 | 40,300 | 60.4 | 185.3 | 38,700 | | | | | | | | | | | | | 70 |
| 75 | 47.7 | 173.9 | 39,300 | 53.7 | 179.8 | 36,900 | 57.0 | 182.3 | 35,400 | 62.2 | 185.1 | 32,900 | | | | | | | | | | 75 |
| 80 | 43.7 | 169.0 | 36,200 | 50.0 | 175.8 | 33,900 | 53.5 | 178.8 | 32,500 | 58.9 | 182.2 | 30,300 | | | | | | | | | | 80 |
| 85 | 39.4 | 163.4 | 33,500 | 46.2 | 171.3 | 31,300 | 49.9 | 174.9 | 30,000 | 55.5 | 179.0 | 27,900 | | | | | | | | | | 85 |
| 90 | 34.7 | 156.8 | 31,000 | 42.1 | 166.2 | 29,100 | 46.0 | 170.4 | 27,900 | 52.0 | 175.4 | 25,900 | 57.4 | 178.3 | 23,900 | | | | | | | 90 |
| 95 | 29.2 | 148.8 | 28,900 | 37.6 | 160.2 | 27,100 | 41.9 | 165.2 | 25,900 | 48.2 | 171.2 | 24,100 | 53.9 | 174.9 | 22,200 | | | | | | | 95 |
| 100 | 22.7 | 138.5 | 27,000 | 32.6 | 153.1 | 25,300 | 37.4 | 159.1 | 24,200 | 44.3 | 166.4 | 22,500 | 50.3 | 171.0 | 20,700 | | | | | | | 100 |
| 105 | 13.5 | 123.2 | 25,300 | 26.8 | 144.3 | 23,600 | 32.4 | 152.0 | 22,600 | 40.0 | 160.9 | 21,000 | 46.4 | 166.5 | 19,400 | 52.0 | 169.7 | 17,800 | | | | 105 |
| 110 | | | | 19.6 | 132.7 | 22,200 | 26.6 | 143.1 | 21,200 | 35.3 | 154.4 | 19,700 | 42.3 | 161.4 | 18,100 | 48.3 | 165.6 | 16,600 | | | | 110 |
| 115 | | | | 7.1 | 111.6 | 20,800 | 19.2 | 131.3 | 19,900 | 30.0 | 146.6 | 18,500 | 37.9 | 155.5 | 17,000 | 44.3 | 160.8 | 15,600 | | | | 115 |
| 120 | | | | | | | 6.0 | 108.9 | 18,700 | 23.7 | 136.7 | 17,400 | 32.9 | 148.4 | 16,000 | 40.1 | 155.3 | 14,600 | 46.0 | 159.1 | 13,300 | 120 |
| 125 | | | | | | | | | | 15.0 | 122.5 | 16,300 | 27.2 | 139.8 | 15,000 | 35.4 | 148.8 | 13,800 | 41.9 | 153.9 | 12,500 | 125 |
| 130 | | | | | | | | | | | | | 20.1 | 128.4 | 14,200 | 30.1 | 141.1 | 12,900 | 37.4 | 147.9 | 11,700 | 130 |
| 135 | | | | | | | | | | | | | 8.4 | 108.6 | 13,300 | 23.8 | 131.2 | 12,200 | 32.4 | 140.7 | 11,000 | 135 |
| 140 | | | | | | | | | | | | | | | | 15.2 | 117.1 | 11,500 | 26.6 | 131.9 | 10,400 | 140 |
| 145 | | | | | | | | | | | | | | | | | | | 19.3 | 120.1 | 9,800 | 145 |
| 150 | | | | | | | | | | | | | | | | | | | 6.2 | 98.0 | 9,200 | 150 |



Liftcrane Luffing Jib Capacities

777 SERIES 1

**New York City Code
Luffing Jib No. 139 on Boom No. 78
105,000 Lb. Counterweight
360 Degree Rating**

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

90 Ft. Boom, 110 Ft. Jib

| Jib Oper. Rad. Feet | 88 Degree Boom Angle | | | 83 Degree Boom Angle | | | 80 Degree Boom Angle | | | 75 Degree Boom Angle | | | 70 Degree Boom Angle | | | 65 Degree Boom Angle | | | 60 Degree Boom Angle | | | Jib Oper. Rad. Feet |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | |
| 35 | 75.7 | 206.5 | 69,500 *b | | | | | | | | | | | | | | | | | | | 35 |
| 40 | 72.9 | 205.1 | 67,100 * | | | | | | | | | | | | | | | | | | | 40 |
| 45 | 70.2 | 203.4 | 64,300 * | | | | | | | | | | | | | | | | | | | 45 |
| 50 | 67.4 | 201.5 | 61,700 * | | | | | | | | | | | | | | | | | | | 50 |
| 55 | 64.6 | 199.2 | 58,500 | 69.1 | 202.0 | 55,000 | | | | | | | | | | | | | | | | 55 |
| 60 | 61.6 | 196.7 | 52,300 | 66.3 | 199.9 | 49,100 | | | | | | | | | | | | | | | | 60 |
| 65 | 58.6 | 193.8 | 47,200 | 63.4 | 197.6 | 44,300 | 66.2 | 199.0 | 42,500 | | | | | | | | | | | | | 65 |
| 70 | 55.5 | 190.6 | 42,900 | 60.5 | 194.9 | 40,200 | 63.3 | 196.7 | 38,600 | | | | | | | | | | | | | 70 |
| 75 | 52.3 | 186.9 | 39,300 | 57.4 | 191.9 | 36,800 | 60.3 | 194.0 | 35,300 | | | | | | | | | | | | | 75 |
| 80 | 48.9 | 182.8 | 36,200 | 54.3 | 188.5 | 33,800 | 57.3 | 191.0 | 32,500 | 62.0 | 193.7 | 30,200 | | | | | | | | | | 80 |
| 85 | 45.4 | 178.2 | 33,400 | 51.0 | 184.7 | 31,300 | 54.1 | 187.6 | 30,000 | 59.0 | 190.9 | 27,900 | | | | | | | | | | 85 |
| 90 | 41.6 | 172.9 | 31,000 | 47.6 | 180.4 | 29,000 | 50.9 | 183.7 | 27,800 | 55.9 | 187.7 | 25,800 | | | | | | | | | | 90 |
| 95 | 37.5 | 166.9 | 28,900 | 43.9 | 175.5 | 27,000 | 47.4 | 179.4 | 25,900 | 52.7 | 184.1 | 24,000 | 57.6 | 187.0 | 22,200 | | | | | | | 95 |
| 100 | 33.0 | 159.8 | 27,000 | 40.0 | 169.9 | 25,200 | 43.8 | 174.5 | 24,200 | 49.4 | 180.1 | 22,400 | 54.5 | 183.6 | 20,700 | | | | | | | 100 |
| 105 | 27.9 | 151.3 | 25,300 | 35.8 | 163.5 | 23,600 | 39.9 | 168.9 | 22,600 | 45.9 | 175.5 | 20,900 | 51.2 | 179.8 | 19,300 | | | | | | | 105 |
| 110 | 21.6 | 140.5 | 23,800 | 31.1 | 155.9 | 22,200 | 35.6 | 162.4 | 21,200 | 42.1 | 170.4 | 19,600 | 47.8 | 175.5 | 18,100 | 52.8 | 178.5 | 16,600 | | | | 110 |
| 115 | 12.8 | 124.3 | 22,300 | 25.6 | 146.7 | 20,900 | 30.8 | 154.8 | 20,000 | 38.1 | 164.4 | 18,500 | 44.1 | 170.7 | 17,000 | 49.4 | 174.5 | 15,500 | | | | 115 |
| 120 | | | | 18.6 | 134.4 | 19,600 | 25.3 | 145.4 | 18,800 | 33.6 | 157.5 | 17,400 | 40.3 | 165.2 | 16,000 | 45.9 | 169.9 | 14,600 | | | | 120 |
| 125 | | | | 6.8 | 112.2 | 18,500 | 18.3 | 132.9 | 17,700 | 28.6 | 149.2 | 16,400 | 36.1 | 158.8 | 15,000 | 42.2 | 164.8 | 13,700 | 47.4 | 168.1 | 12,400 | 125 |
| 130 | | | | | | | 5.7 | 109.4 | 16,700 | 22.5 | 138.8 | 15,400 | 31.4 | 151.3 | 14,200 | 38.1 | 158.8 | 12,900 | 43.8 | 163.2 | 11,700 | 130 |
| 135 | | | | | | | | | | 14.3 | 123.7 | 14,600 | 25.9 | 142.2 | 13,400 | 33.7 | 151.9 | 12,200 | 39.9 | 157.6 | 11,000 | 135 |
| 140 | | | | | | | | | | | | | 19.1 | 130.1 | 12,600 | 28.7 | 143.7 | 11,500 | 35.6 | 151.2 | 10,400 | 140 |
| 145 | | | | | | | | | | | | | 8.0 | 109.4 | 11,900 | 22.6 | 133.3 | 10,800 | 30.9 | 143.6 | 9,800 | 145 |
| 150 | | | | | | | | | | | | | | | | 14.5 | 118.4 | 10,200 | 25.4 | 134.2 | 9,200 | 150 |
| 155 | | | | | | | | | | | | | | | | | | | 18.3 | 121.7 | 8,700 | 155 |
| 160 | | | | | | | | | | | | | | | | | | | 5.9 | 98.5 | 8,100 | 160 |



Liftcrane Luffing Jib Capacities

New York City Code
 Luffing Jib No. 139 on Boom No. 78
 105,000 Lb. Counterweight
 360 Degree Rating

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

777 SERIES 1

90 Ft. Boom, 120 Ft. Jib

| Jib Oper. Rad. Feet | 88 Degree Boom Angle | | | 83 Degree Boom Angle | | | 80 Degree Boom Angle | | | 75 Degree Boom Angle | | | 70 Degree Boom Angle | | | 65 Degree Boom Angle | | | 60 Degree Boom Angle | | | Jib Oper. Rad. Feet |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | |
| 40 | 74.4 | 215.5 | 61,900 * | | | | | | | | | | | | | | | | | | | 40 |
| 45 | 71.9 | 214.0 | 59,500 * | | | | | | | | | | | | | | | | | | | 45 |
| 50 | 69.4 | 212.2 | 57,000 * | | | | | | | | | | | | | | | | | | | 50 |
| 55 | 66.8 | 210.2 | 54,600 * | 70.9 | 212.6 | 54,700 | | | | | | | | | | | | | | | | 55 |
| 60 | 64.2 | 207.9 | 52,100 | 68.4 | 210.7 | 48,800 | | | | | | | | | | | | | | | | 60 |
| 65 | 61.5 | 205.4 | 47,000 | 65.8 | 208.6 | 44,000 | | | | | | | | | | | | | | | | 65 |
| 70 | 58.7 | 202.5 | 42,700 | 63.1 | 206.2 | 39,900 | 65.7 | 207.8 | 38,300 | | | | | | | | | | | | | 70 |
| 75 | 55.9 | 199.3 | 39,000 | 60.4 | 203.5 | 36,500 | 63.0 | 205.4 | 35,000 | | | | | | | | | | | | | 75 |
| 80 | 53.0 | 195.7 | 35,900 | 57.6 | 200.5 | 33,600 | 60.3 | 202.7 | 32,100 | | | | | | | | | | | | | 80 |
| 85 | 49.9 | 191.7 | 33,200 | 54.8 | 197.2 | 31,000 | 57.5 | 199.6 | 29,700 | 61.9 | 202.4 | 27,500 | | | | | | | | | | 85 |
| 90 | 46.7 | 187.3 | 30,800 | 51.8 | 193.5 | 28,700 | 54.6 | 196.3 | 27,500 | 59.1 | 199.6 | 25,500 | | | | | | | | | | 90 |
| 95 | 43.4 | 182.3 | 28,700 | 48.7 | 189.3 | 26,700 | 51.7 | 192.5 | 25,600 | 56.3 | 196.4 | 23,700 | | | | | | | | | | 95 |
| 100 | 39.8 | 176.6 | 26,800 | 45.4 | 184.7 | 25,000 | 48.5 | 188.3 | 23,900 | 53.4 | 192.9 | 22,100 | 57.8 | 195.6 | 20,300 | | | | | | | 100 |
| 105 | 35.9 | 170.2 | 25,100 | 42.0 | 179.4 | 23,400 | 45.3 | 183.7 | 22,300 | 50.3 | 189.0 | 20,600 | 54.9 | 192.3 | 18,900 | | | | | | | 105 |
| 110 | 31.6 | 162.7 | 23,600 | 38.3 | 173.5 | 21,900 | 41.8 | 178.4 | 20,900 | 47.2 | 184.6 | 19,300 | 52.0 | 188.6 | 17,700 | | | | | | | 110 |
| 115 | 26.6 | 153.7 | 22,200 | 34.2 | 166.7 | 20,600 | 38.1 | 172.4 | 19,700 | 43.8 | 179.7 | 18,100 | 48.9 | 184.5 | 16,600 | | | | | | | 115 |
| 120 | 20.7 | 142.3 | 20,900 | 29.7 | 158.7 | 19,400 | 34.0 | 165.6 | 18,500 | 40.2 | 174.1 | 17,100 | 45.6 | 179.8 | 15,600 | 50.4 | 183.3 | 14,200 | | | | 120 |
| 125 | 12.3 | 125.4 | 19,700 * | 24.5 | 148.9 | 18,300 | 29.5 | 157.5 | 17,500 | 36.4 | 167.8 | 16,100 | 42.2 | 174.6 | 14,700 | 47.2 | 179.0 | 13,300 | | | | 125 |
| 130 | | | | 17.8 | 136.0 | 17,300 | 24.2 | 147.6 | 16,500 | 32.2 | 160.4 | 15,200 | 38.5 | 168.8 | 13,800 | 43.9 | 174.1 | 12,500 | | | | 130 |
| 135 | | | | 6.5 | 112.8 | 16,300 | 17.5 | 134.5 | 15,600 | 27.3 | 151.7 | 14,300 | 34.5 | 162.0 | 13,000 | 40.3 | 168.5 | 11,800 | 45.3 | 172.4 | 10,600 | 135 |
| 140 | | | | | | | 5.5 | 109.9 | 14,700 | 21.6 | 140.7 | 13,500 | 30.0 | 154.1 | 12,300 | 36.5 | 162.2 | 11,100 | 41.8 | 167.1 | 10,000 | 140 |
| 145 | | | | | | | | | | 13.7 | 125.0 | 12,800 | 24.8 | 144.4 | 11,600 | 32.2 | 154.9 | 10,500 | 38.1 | 161.2 | 9,400 | 145 |
| 150 | | | | | | | | | | | | | 18.3 | 131.7 | 11,000 | 27.4 | 146.2 | 9,900 | 34.1 | 154.3 | 8,800 | 150 |
| 155 | | | | | | | | | | | | | 7.6 | 110.0 | 10,400 | 21.7 | 135.2 | 9,300 | 29.5 | 146.3 | 8,300 | 155 |
| 160 | | | | | | | | | | | | | | | | 13.8 | 119.6 | 8,800 | 24.3 | 136.4 | 7,800 | 160 |
| 165 | | | | | | | | | | | | | | | | | | | 17.6 | 123.3 | 7,400 | 165 |
| 170 | | | | | | | | | | | | | | | | | | | 5.7 | 99.0 | 6,900 | 170 |



Liftcrane Luffing Jib Capacities

777 SERIES 1

**New York City Code
Luffing Jib No. 139 on Boom No. 78
105,000 Lb. Counterweight
360 Degree Rating**

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

90 Ft. Boom, 130 Ft. Jib

| Jib Oper. Rad. Feet | 88 Degree Boom Angle | | | 83 Degree Boom Angle | | | 80 Degree Boom Angle | | | 75 Degree Boom Angle | | | 70 Degree Boom Angle | | | 65 Degree Boom Angle | | | 60 Degree Boom Angle | | | Jib Oper. Rad. Feet |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | |
| 40 | 75.6 | 225.8 | 50,500 * | | | | | | | | | | | | | | | | | | | 40 |
| 45 | 73.3 | 224.5 | 49,500 * | | | | | | | | | | | | | | | | | | | 45 |
| 50 | 71.0 | 222.8 | 48,500 * | | | | | | | | | | | | | | | | | | | 50 |
| 55 | 68.7 | 221.0 | 46,800 * | | | | | | | | | | | | | | | | | | | 55 |
| 60 | 66.3 | 218.9 | 44,800 * | 70.1 | 221.4 | 48,000 * | | | | | | | | | | | | | | | | 60 |
| 65 | 63.9 | 216.6 | 43,000 * | 67.8 | 219.5 | 43,700 | | | | | | | | | | | | | | | | 65 |
| 70 | 61.4 | 214.0 | 41,200 * | 65.3 | 217.3 | 39,700 | 67.6 | 218.6 | 38,000 | | | | | | | | | | | | | 70 |
| 75 | 58.8 | 211.2 | 38,800 | 62.9 | 214.9 | 36,300 | 65.2 | 216.5 | 34,700 | | | | | | | | | | | | | 75 |
| 80 | 56.2 | 208.0 | 35,700 | 60.4 | 212.2 | 33,300 | 62.8 | 214.0 | 31,900 | | | | | | | | | | | | | 80 |
| 85 | 53.5 | 204.5 | 33,000 | 57.8 | 209.2 | 30,800 | 60.3 | 211.3 | 29,400 | | | | | | | | | | | | | 85 |
| 90 | 50.7 | 200.6 | 30,600 | 55.2 | 205.9 | 28,500 | 57.7 | 208.3 | 27,300 | 61.7 | 211.1 | 25,200 | | | | | | | | | | 90 |
| 95 | 47.8 | 196.3 | 28,500 | 52.5 | 202.3 | 26,500 | 55.1 | 205.0 | 25,300 | 59.2 | 208.2 | 23,400 | | | | | | | | | | 95 |
| 100 | 44.8 | 191.5 | 26,600 | 49.6 | 198.2 | 24,700 | 52.3 | 201.3 | 23,600 | 56.6 | 205.1 | 21,800 | | | | | | | | | | 100 |
| 105 | 41.6 | 186.2 | 24,900 | 46.7 | 193.7 | 23,100 | 49.5 | 197.3 | 22,100 | 53.9 | 201.6 | 20,400 | 58.0 | 204.3 | 18,700 | | | | | | | 105 |
| 110 | 38.1 | 180.2 | 23,400 | 43.5 | 188.7 | 21,700 | 46.5 | 192.8 | 20,700 | 51.1 | 197.8 | 19,100 | 55.3 | 201.0 | 17,400 | | | | | | | 110 |
| 115 | 34.4 | 173.4 | 22,000 | 40.2 | 183.2 | 20,400 | 43.4 | 187.7 | 19,500 | 48.2 | 193.5 | 17,900 | 52.6 | 197.4 | 16,300 | | | | | | | 115 |
| 120 | 30.3 | 165.5 | 20,700 | 36.7 | 176.9 | 19,200 | 40.1 | 182.1 | 18,300 | 45.2 | 188.8 | 16,800 | 49.8 | 193.3 | 15,300 | | | | | | | 120 |
| 125 | 25.6 | 156.0 | 19,500 | 32.8 | 169.7 | 18,100 | 36.5 | 175.8 | 17,300 | 42.0 | 183.6 | 15,800 | 46.8 | 188.9 | 14,400 | 51.2 | 192.2 | 13,100 | | | | 125 |
| 130 | 19.9 | 144.1 | 18,500 | 28.5 | 161.3 | 17,100 | 32.7 | 168.6 | 16,300 | 38.6 | 177.7 | 14,900 | 43.7 | 183.9 | 13,600 | 48.3 | 187.9 | 12,300 | | | | 130 |
| 135 | 11.8 | 126.5 | 17,300 * | 23.5 | 151.0 | 16,200 | 28.3 | 160.1 | 15,400 | 34.9 | 171.0 | 14,100 | 40.4 | 178.4 | 12,800 | 45.3 | 183.2 | 11,500 | | | | 135 |
| 140 | | | | 17.1 | 137.5 | 15,300 | 23.2 | 149.7 | 14,600 | 30.9 | 163.3 | 13,300 | 36.9 | 172.2 | 12,100 | 42.1 | 178.0 | 10,900 | 46.5 | 181.5 | 9,700 | 140 |
| 145 | | | | 6.3 | 113.4 | 14,500 | 16.8 | 136.0 | 13,800 | 26.2 | 154.1 | 12,600 | 33.1 | 165.0 | 11,400 | 38.7 | 172.1 | 10,300 | 43.4 | 176.5 | 9,100 | 145 |
| 150 | | | | | | | 5.3 | 110.4 | 13,000 | 20.7 | 142.6 | 11,900 | 28.8 | 156.7 | 10,800 | 35.0 | 165.4 | 9,700 | 40.1 | 170.9 | 8,600 | 150 |
| 155 | | | | | | | | | | 13.1 | 126.1 | 11,300 | 23.8 | 146.6 | 10,200 | 30.9 | 157.7 | 9,100 | 36.6 | 164.6 | 8,100 | 155 |
| 160 | | | | | | | | | | | | | 17.6 | 133.3 | 9,600 | 26.3 | 148.6 | 8,600 | 32.7 | 157.3 | 7,600 | 160 |
| 165 | | | | | | | | | | | | | 7.3 | 110.7 | 9,100 | 20.8 | 137.1 | 8,100 | 28.4 | 148.8 | 7,200 | 165 |
| 170 | | | | | | | | | | | | | | | | 13.3 | 120.8 | 7,600 | 23.3 | 138.5 | 6,700 | 170 |
| 175 | | | | | | | | | | | | | | | | | | | 16.9 | 124.8 | 6,300 | 175 |
| 180 | | | | | | | | | | | | | | | | | | | 5.5 | 99.5 | 5,900 | 180 |



Liftcrane Luffing Jib Capacities

New York City Code
 Luffing Jib No. 139 on Boom No. 78
 105,000 Lb. Counterweight
 360 Degree Rating

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

777 SERIES 1

90 Ft. Boom, 140 Ft. Jib

| Jib Oper. Rad. Feet | 88 Degree Boom Angle | | | 83 Degree Boom Angle | | | 80 Degree Boom Angle | | | 75 Degree Boom Angle | | | 70 Degree Boom Angle | | | 65 Degree Boom Angle | | | 60 Degree Boom Angle | | | Jib Oper. Rad. Feet |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | |
| 45 | 74.6 | 234.9 | 46,200 * | | | | | | | | | | | | | | | | | | | 45 |
| 50 | 72.4 | 233.4 | 45,000 * | | | | | | | | | | | | | | | | | | | 50 |
| 55 | 70.3 | 231.7 | 43,100 * | | | | | | | | | | | | | | | | | | | 55 |
| 60 | 68.1 | 229.8 | 41,300 * | | | | | | | | | | | | | | | | | | | 60 |
| 65 | 65.9 | 227.7 | 39,500 * | 69.4 | 230.2 | 42,400 * | | | | | | | | | | | | | | | | 65 |
| 70 | 63.6 | 225.3 | 37,800 * | 67.2 | 228.3 | 39,400 | | | | | | | | | | | | | | | | 70 |
| 75 | 61.3 | 222.7 | 36,200 * | 65.0 | 226.0 | 36,000 | 67.1 | 227.4 | 34,400 | | | | | | | | | | | | | 75 |
| 80 | 58.9 | 219.8 | 34,600 * | 62.7 | 223.6 | 33,000 | 64.9 | 225.2 | 31,600 | | | | | | | | | | | | | 80 |
| 85 | 56.5 | 216.7 | 32,700 | 60.4 | 220.9 | 30,500 | 62.6 | 222.7 | 29,100 | | | | | | | | | | | | | 85 |
| 90 | 54.0 | 213.2 | 30,300 | 58.0 | 217.9 | 28,200 | 60.3 | 220.0 | 26,900 | | | | | | | | | | | | | 90 |
| 95 | 51.4 | 209.4 | 28,200 | 55.5 | 214.6 | 26,200 | 57.9 | 217.0 | 25,000 | 61.6 | 219.7 | 23,000 | | | | | | | | | | 95 |
| 100 | 48.8 | 205.2 | 26,300 | 53.0 | 211.0 | 24,400 | 55.4 | 213.7 | 23,300 | 59.2 | 216.9 | 21,400 | | | | | | | | | | 100 |
| 105 | 46.0 | 200.6 | 24,600 | 50.4 | 207.1 | 22,900 | 52.9 | 210.1 | 21,800 | 56.8 | 213.8 | 20,000 | | | | | | | | | | 105 |
| 110 | 43.1 | 195.5 | 23,100 | 47.7 | 202.7 | 21,400 | 50.3 | 206.1 | 20,400 | 54.4 | 210.3 | 18,700 | | | | | | | | | | 110 |
| 115 | 40.0 | 189.9 | 21,700 | 44.9 | 197.9 | 20,100 | 47.6 | 201.8 | 19,100 | 51.8 | 206.6 | 17,500 | 55.7 | 209.7 | 16,000 | | | | | | | 115 |
| 120 | 36.7 | 183.6 | 20,500 | 41.9 | 192.7 | 18,900 | 44.7 | 197.0 | 18,000 | 49.1 | 202.5 | 16,500 | 53.2 | 206.1 | 15,000 | | | | | | | 120 |
| 125 | 33.1 | 176.4 | 19,300 | 38.7 | 186.8 | 17,800 | 41.8 | 191.6 | 17,000 | 46.4 | 197.9 | 15,500 | 50.6 | 202.2 | 14,100 | | | | | | | 125 |
| 130 | 29.2 | 168.1 | 18,200 | 35.3 | 180.1 | 16,800 | 38.6 | 185.7 | 16,000 | 43.5 | 192.9 | 14,600 | 47.9 | 197.9 | 13,200 | 51.8 | 201.0 | 11,900 | | | | 130 |
| 135 | 24.6 | 158.3 | 17,300 | 31.6 | 172.6 | 15,900 | 35.2 | 179.0 | 15,100 | 40.4 | 187.3 | 13,800 | 45.0 | 193.1 | 12,500 | 49.2 | 196.9 | 11,200 | | | | 135 |
| 140 | 19.1 | 145.8 | 16,300 | 27.5 | 163.7 | 15,100 | 31.4 | 171.4 | 14,300 | 37.1 | 181.1 | 13,000 | 42.1 | 187.9 | 11,700 | 46.4 | 192.3 | 10,500 | | | | 140 |
| 145 | 11.4 | 127.5 | 15,100 * | 22.6 | 153.0 | 14,300 | 27.3 | 162.5 | 13,500 | 33.6 | 174.1 | 12,300 | 38.9 | 182.0 | 11,100 | 43.5 | 187.3 | 9,900 | 47.6 | 190.5 | 8,700 | 145 |
| 150 | | | | 16.5 | 139.0 | 13,500 | 22.4 | 151.7 | 12,800 | 29.7 | 166.0 | 11,600 | 35.5 | 175.4 | 10,500 | 40.5 | 181.8 | 9,300 | 44.8 | 185.7 | 8,200 | 150 |
| 155 | | | | 6.0 | 113.9 | 12,800 | 16.2 | 137.5 | 12,100 | 25.3 | 156.4 | 11,000 | 31.8 | 167.9 | 9,900 | 37.2 | 175.5 | 8,800 | 41.8 | 180.4 | 7,700 | 155 |
| 160 | | | | | | | 5.1 | 110.8 | 11,400 | 20.0 | 144.4 | 10,400 | 27.7 | 159.2 | 9,300 | 33.7 | 168.5 | 8,300 | 38.6 | 174.5 | 7,200 | 160 |
| 165 | | | | | | | | | | 12.7 | 127.3 | 9,800 | 22.9 | 148.6 | 8,800 | 29.8 | 160.4 | 7,800 | 35.2 | 167.8 | 6,800 | 165 |
| 170 | | | | | | | | | | | | | 16.9 | 134.8 | 8,300 | 25.4 | 150.8 | 7,300 | 31.5 | 160.2 | 6,400 | 170 |
| 175 | | | | | | | | | | | | | 7.1 | 111.3 | 7,800 | 20.0 | 138.9 | 6,900 | 27.3 | 151.3 | 6,000 | 175 |
| 180 | | | | | | | | | | | | | | | | 12.8 | 121.9 | 6,500 | 22.4 | 140.5 | 5,600 | 180 |
| 190 | | | | | | | | | | | | | | | | | | | 5.3 | 100.0 | 4,900 | 190 |



Liftcrane Luffing Jib Capacities

777 SERIES 1

**New York City Code
Luffing Jib No. 139 on Boom No. 78
105,000 Lb. Counterweight
360 Degree Rating**

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

90 Ft. Boom, 150 Ft. Jib

| Jib Oper. Rad. Feet | 88 Degree Boom Angle | | | 83 Degree Boom Angle | | | 80 Degree Boom Angle | | | 75 Degree Boom Angle | | | 70 Degree Boom Angle | | | 65 Degree Boom Angle | | | 60 Degree Boom Angle | | | Jib Oper. Rad. Feet |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | |
| 45 | 75.6 | 245.2 | 43,100 * | | | | | | | | | | | | | | | | | | | 45 |
| 50 | 73.6 | 243.8 | 41,600 * | | | | | | | | | | | | | | | | | | | 50 |
| 55 | 71.6 | 242.3 | 39,900 * | | | | | | | | | | | | | | | | | | | 55 |
| 60 | 69.6 | 240.5 | 38,200 * | | | | | | | | | | | | | | | | | | | 60 |
| 65 | 67.6 | 238.5 | 36,500 * | 70.8 | 240.9 | 39,100 * | | | | | | | | | | | | | | | | 65 |
| 70 | 65.5 | 236.4 | 34,900 * | 68.8 | 239.0 | 37,500 * | | | | | | | | | | | | | | | | 70 |
| 75 | 63.4 | 234.0 | 33,300 * | 66.7 | 237.0 | 35,800 | | | | | | | | | | | | | | | | 75 |
| 80 | 61.2 | 231.4 | 31,800 * | 64.6 | 234.7 | 32,900 | 66.7 | 236.1 | 31,400 | | | | | | | | | | | | | 80 |
| 85 | 59.0 | 228.5 | 30,400 * | 62.5 | 232.3 | 30,300 | 64.6 | 233.9 | 29,000 | | | | | | | | | | | | | 85 |
| 90 | 56.7 | 225.3 | 29,000 * | 60.3 | 229.5 | 28,100 | 62.4 | 231.4 | 26,800 | | | | | | | | | | | | | 90 |
| 95 | 54.4 | 221.9 | 27,600 * | 58.1 | 226.6 | 26,100 | 60.2 | 228.6 | 24,900 | | | | | | | | | | | | | 95 |
| 100 | 52.0 | 218.2 | 26,200 | 55.8 | 223.3 | 24,300 | 58.0 | 225.6 | 23,200 | 61.5 | 228.4 | 21,300 | | | | | | | | | | 100 |
| 105 | 49.6 | 214.1 | 24,500 | 53.5 | 219.8 | 22,700 | 55.7 | 222.4 | 21,700 | 59.3 | 225.6 | 19,900 | | | | | | | | | | 105 |
| 110 | 47.0 | 209.6 | 23,000 | 51.1 | 215.9 | 21,300 | 53.4 | 218.8 | 20,300 | 57.0 | 222.4 | 18,600 | | | | | | | | | | 110 |
| 115 | 44.4 | 204.8 | 21,600 | 48.6 | 211.7 | 20,000 | 51.0 | 214.9 | 19,000 | 54.7 | 219.1 | 17,400 | | | | | | | | | | 115 |
| 120 | 41.6 | 199.4 | 20,400 | 46.0 | 207.1 | 18,800 | 48.5 | 210.7 | 17,900 | 52.4 | 215.4 | 16,400 | 56.0 | 218.4 | 14,900 | | | | | | | 120 |
| 125 | 38.6 | 193.5 | 19,200 | 43.3 | 202.0 | 17,700 | 45.9 | 206.1 | 16,900 | 49.9 | 211.3 | 15,400 | 53.6 | 214.9 | 14,000 | | | | | | | 125 |
| 130 | 35.4 | 186.8 | 18,200 | 40.4 | 196.4 | 16,700 | 43.1 | 201.0 | 15,900 | 47.4 | 206.9 | 14,500 | 51.2 | 211.0 | 13,100 | | | | | | | 130 |
| 135 | 32.0 | 179.3 | 17,200 | 37.4 | 190.2 | 15,800 | 40.3 | 195.4 | 15,000 | 44.7 | 202.1 | 13,700 | 48.7 | 206.8 | 12,400 | 52.4 | 209.8 | 11,100 | | | | 135 |
| 140 | 28.2 | 170.7 | 16,300 | 34.1 | 183.3 | 15,000 | 37.2 | 189.1 | 14,200 | 41.9 | 196.8 | 12,900 | 46.1 | 202.2 | 11,600 | 50.0 | 205.7 | 10,400 | | | | 140 |
| 145 | 23.8 | 160.4 | 15,400 | 30.5 | 175.3 | 14,200 | 33.9 | 182.2 | 13,400 | 39.0 | 191.0 | 12,200 | 43.4 | 197.2 | 11,000 | 47.4 | 201.3 | 9,800 | | | | 145 |
| 150 | 18.5 | 147.5 | 14,600 | 26.5 | 166.1 | 13,400 | 30.3 | 174.2 | 12,700 | 35.8 | 184.4 | 11,500 | 40.6 | 191.6 | 10,400 | 44.8 | 196.5 | 9,200 | | | | 150 |
| 155 | 11.0 | 128.5 | 13,400 * | 21.9 | 155.0 | 12,800 | 26.3 | 164.9 | 12,100 | 32.4 | 177.0 | 10,900 | 37.5 | 185.5 | 9,800 | 42.0 | 191.2 | 8,700 | 45.9 | 194.8 | 7,600 | 155 |
| 160 | | | | 16.0 | 140.4 | 12,100 | 21.6 | 153.7 | 11,400 | 28.7 | 168.6 | 10,300 | 34.3 | 178.6 | 9,200 | 39.0 | 185.4 | 8,200 | 43.2 | 189.7 | 7,100 | 160 |
| 165 | | | | 5.8 | 114.4 | 11,400 | 15.6 | 138.9 | 10,800 | 24.4 | 158.6 | 9,800 | 30.7 | 170.7 | 8,700 | 35.9 | 178.8 | 7,700 | 40.3 | 184.1 | 6,700 | 165 |
| 170 | | | | | | | 4.9 | 111.3 | 10,200 | 19.3 | 146.1 | 9,300 | 26.8 | 161.6 | 8,300 | 32.5 | 171.5 | 7,300 | 37.2 | 177.9 | 6,300 | 170 |
| 175 | | | | | | | | | | 12.2 | 128.4 | 8,800 | 22.1 | 150.6 | 7,800 | 28.7 | 163.0 | 6,800 | 34.0 | 170.9 | 5,900 | 175 |
| 180 | | | | | | | | | | | | | 16.4 | 136.3 | 7,400 | 24.5 | 153.1 | 6,400 | 30.4 | 163.0 | 5,500 | 180 |
| 190 | | | | | | | | | | | | | | | | 12.4 | 123.0 | 5,700 | 21.7 | 142.5 | 4,900 | 190 |
| 200 | | | | | | | | | | | | | | | | | | | 5.1 | 100.4 | 4,200 | 200 |



Liftcrane Luffing Jib Capacities

New York City Code
 Luffing Jib No. 139 on Boom No. 78
 105,000 Lb. Counterweight
 360 Degree Rating

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

777 SERIES 1

90 Ft. Boom, 160 Ft. Jib

| Jib Oper. Rad. Feet | 88 Degree Boom Angle | | | 83 Degree Boom Angle | | | 80 Degree Boom Angle | | | 75 Degree Boom Angle | | | 70 Degree Boom Angle | | | 65 Degree Boom Angle | | | 60 Degree Boom Angle | | | Jib Oper. Rad. Feet |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | |
| 50 | 74.7 | 254.2 | 38,200 * | | | | | | | | | | | | | | | | | | | 50 |
| 55 | 72.8 | 252.8 | 36,600 * | | | | | | | | | | | | | | | | | | | 55 |
| 60 | 70.9 | 251.1 | 35,000 * | | | | | | | | | | | | | | | | | | | 60 |
| 65 | 69.0 | 249.3 | 33,400 * | | | | | | | | | | | | | | | | | | | 65 |
| 70 | 67.1 | 247.3 | 31,800 * | 70.2 | 249.7 | 34,200 * | | | | | | | | | | | | | | | | 70 |
| 75 | 65.1 | 245.1 | 30,300 * | 68.3 | 247.8 | 32,700 * | | | | | | | | | | | | | | | | 75 |
| 80 | 63.2 | 242.7 | 28,800 * | 66.3 | 245.7 | 31,300 * | | | | | | | | | | | | | | | | 80 |
| 85 | 61.1 | 240.0 | 27,400 * | 64.4 | 243.4 | 29,800 * | 66.2 | 244.9 | 28,700 | | | | | | | | | | | | | 85 |
| 90 | 59.1 | 237.1 | 26,100 * | 62.4 | 240.9 | 27,800 | 64.3 | 242.6 | 26,500 | | | | | | | | | | | | | 90 |
| 95 | 57.0 | 234.0 | 24,800 * | 60.3 | 238.2 | 25,800 | 62.3 | 240.0 | 24,600 | | | | | | | | | | | | | 95 |
| 100 | 54.8 | 230.6 | 23,600 * | 58.2 | 235.2 | 24,000 | 60.2 | 237.3 | 22,900 | | | | | | | | | | | | | 100 |
| 105 | 52.6 | 227.0 | 22,400 * | 56.1 | 232.0 | 22,500 | 58.1 | 234.3 | 21,400 | 61.4 | 237.1 | 19,600 | | | | | | | | | | 105 |
| 110 | 50.3 | 223.0 | 21,300 * | 53.9 | 228.5 | 21,000 | 56.0 | 231.1 | 20,000 | 59.3 | 234.2 | 18,300 | | | | | | | | | | 110 |
| 115 | 47.9 | 218.6 | 20,200 * | 51.7 | 224.7 | 19,700 | 53.8 | 227.6 | 18,700 | 57.2 | 231.1 | 17,100 | | | | | | | | | | 115 |
| 120 | 45.4 | 213.9 | 19,100 * | 49.4 | 220.6 | 18,500 | 51.6 | 223.8 | 17,600 | 55.1 | 227.8 | 16,000 | | | | | | | | | | 120 |
| 125 | 42.9 | 208.8 | 18,200 * | 46.9 | 216.1 | 17,500 | 49.2 | 219.6 | 16,600 | 52.9 | 224.1 | 15,100 | 56.2 | 227.1 | 13,600 | | | | | | | 125 |
| 130 | 40.2 | 203.1 | 17,300 * | 44.4 | 211.2 | 16,500 | 46.8 | 215.1 | 15,600 | 50.6 | 220.2 | 14,200 | 54.1 | 223.6 | 12,800 | | | | | | | 130 |
| 135 | 37.3 | 196.9 | 16,400 * | 41.8 | 205.9 | 15,600 | 44.3 | 210.2 | 14,700 | 48.2 | 215.9 | 13,400 | 51.8 | 219.8 | 12,000 | | | | | | | 135 |
| 140 | 34.2 | 190.0 | 15,600 * | 39.1 | 200.0 | 14,700 | 41.7 | 204.9 | 13,900 | 45.8 | 211.2 | 12,600 | 49.5 | 215.7 | 11,300 | 52.9 | 218.5 | 10,000 | | | | 140 |
| 145 | 30.9 | 182.1 | 14,800 * | 36.1 | 193.5 | 13,900 | 38.9 | 199.0 | 13,100 | 43.2 | 206.2 | 11,900 | 47.1 | 211.3 | 10,600 | 50.6 | 214.6 | 9,400 | | | | 145 |
| 150 | 27.2 | 173.1 | 14,100 * | 33.0 | 186.3 | 13,200 | 36.0 | 192.5 | 12,400 | 40.5 | 200.6 | 11,200 | 44.6 | 206.4 | 10,000 | 48.3 | 210.3 | 8,900 | | | | 150 |
| 155 | 23.0 | 162.5 | 13,400 * | 29.5 | 178.0 | 12,500 | 32.8 | 185.2 | 11,800 | 37.7 | 194.4 | 10,600 | 42.0 | 201.1 | 9,400 | 45.8 | 205.6 | 8,300 | | | | 155 |
| 160 | 17.9 | 149.1 | 12,900 * | 25.7 | 168.5 | 11,800 | 29.4 | 176.9 | 11,200 | 34.7 | 187.6 | 10,000 | 39.2 | 195.3 | 8,900 | 43.3 | 200.6 | 7,800 | 46.9 | 203.9 | 6,800 | 160 |
| 165 | 10.6 | 129.4 | 11,600 * | 21.1 | 156.9 | 11,200 | 25.5 | 167.2 | 10,600 | 31.4 | 179.9 | 9,500 | 36.3 | 188.8 | 8,400 | 40.6 | 195.0 | 7,400 | 44.4 | 199.0 | 6,300 | 165 |
| 170 | | | | 15.4 | 141.8 | 10,700 | 20.9 | 155.6 | 10,000 | 27.8 | 171.1 | 9,000 | 33.2 | 181.6 | 7,900 | 37.7 | 188.9 | 6,900 | 41.7 | 193.6 | 5,900 | 170 |
| 175 | | | | 5.6 | 114.9 | 10,100 | 15.1 | 140.2 | 9,500 | 23.6 | 160.7 | 8,500 | 29.7 | 173.4 | 7,500 | 34.7 | 182.0 | 6,500 | 39.0 | 187.7 | 5,500 | 175 |
| 180 | | | | | | | 4.8 | 111.7 | 9,000 | 18.7 | 147.8 | 8,000 | 25.9 | 164.0 | 7,100 | 31.4 | 174.3 | 6,100 | 36.0 | 181.2 | 5,200 | 180 |
| 190 | | | | | | | | | | | | | 15.8 | 137.7 | 6,300 | 23.7 | 155.2 | 5,400 | 29.4 | 165.6 | 4,500 | 190 |
| 200 | | | | | | | | | | | | | | | | 12.0 | 124.1 | 4,700 | | | | 200 |



Liftcrane Luffing Jib Capacities

777 SERIES 1

New York City Code
 Luffing Jib No. 139 on Boom No. 78
 105,000 Lb. Counterweight
 360 Degree Rating

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

90 Ft. Boom, 170 Ft. Jib

| Jib Oper. Rad. Feet | 88 Degree Boom Angle | | | 83 Degree Boom Angle | | | 80 Degree Boom Angle | | | 75 Degree Boom Angle | | | 70 Degree Boom Angle | | | Jib Oper. Rad. Feet |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | |
| 50 | 75.6 | 264.6 | 34,800 * | | | | | | | | | | | | | 50 |
| 55 | 73.9 | 263.2 | 33,800 * | | | | | | | | | | | | | 55 |
| 60 | 72.1 | 261.7 | 32,200 * | | | | | | | | | | | | | 60 |
| 65 | 70.3 | 260.0 | 30,700 * | | | | | | | | | | | | | 65 |
| 70 | 68.5 | 258.1 | 29,200 * | | | | | | | | | | | | | 70 |
| 75 | 66.7 | 256.0 | 27,800 * | 69.6 | 258.5 | 30,100 * | | | | | | | | | | 75 |
| 80 | 64.8 | 253.8 | 26,400 * | 67.8 | 256.6 | 27,900 | | | | | | | | | | 80 |
| 85 | 63.0 | 251.3 | 25,100 * | 66.0 | 254.5 | 25,500 | 67.7 | 255.7 | 23,700 | | | | | | | 85 |
| 90 | 61.1 | 248.7 | 23,800 * | 64.1 | 252.1 | 23,400 | 65.9 | 253.6 | 21,700 | | | | | | | 90 |
| 95 | 59.1 | 245.8 | 22,600 * | 62.2 | 249.6 | 21,500 | 64.0 | 251.2 | 19,900 | | | | | | | 95 |
| 100 | 57.1 | 242.7 | 21,400 * | 60.3 | 246.9 | 19,800 | 62.1 | 248.7 | 18,300 | | | | | | | 100 |
| 105 | 55.1 | 239.3 | 20,200 * | 58.3 | 243.9 | 18,300 | 60.2 | 246.0 | 16,900 | | | | | | | 105 |
| 110 | 53.0 | 235.7 | 19,100 * | 56.3 | 240.7 | 17,000 | 58.3 | 243.0 | 15,600 | 61.3 | 245.7 | 13,400 | | | | 110 |
| 115 | 50.9 | 231.8 | 17,900 | 54.3 | 237.2 | 15,800 | 56.3 | 239.8 | 14,500 | 59.4 | 242.9 | 12,300 | | | | 115 |
| 120 | 48.7 | 227.6 | 16,700 | 52.2 | 233.5 | 14,600 | 54.2 | 236.3 | 13,400 | 57.4 | 239.8 | 11,400 | | | | 120 |
| 125 | 46.4 | 223.0 | 15,600 | 50.0 | 229.5 | 13,600 | 52.1 | 232.5 | 12,400 | 55.4 | 236.5 | 10,500 | | | | 125 |
| 130 | 44.0 | 218.0 | 14,600 | 47.8 | 225.1 | 12,700 | 49.9 | 228.5 | 11,600 | 53.3 | 232.9 | 9,700 | 56.5 | 235.8 | 7,800 | 130 |
| 135 | 41.5 | 212.6 | 13,600 | 45.5 | 220.4 | 11,800 | 47.7 | 224.1 | 10,700 | 51.2 | 229.0 | 8,900 | 54.4 | 232.3 | 7,200 | 135 |
| 140 | 38.9 | 206.7 | 12,800 | 43.1 | 215.2 | 11,000 | 45.4 | 219.4 | 10,000 | 49.0 | 224.8 | 8,200 | 52.3 | 228.6 | 6,500 | 140 |
| 145 | 36.2 | 200.2 | 12,000 | 40.5 | 209.6 | 10,300 | 42.9 | 214.2 | 9,300 | 46.7 | 220.3 | 7,600 | 50.2 | 224.6 | 6,000 | 145 |
| 150 | 33.2 | 193.0 | 11,200 | 37.9 | 203.5 | 9,600 | 40.4 | 208.6 | 8,600 | 44.3 | 215.4 | 7,000 | 47.9 | 220.2 | 5,400 | 150 |
| 155 | 30.0 | 184.9 | 10,500 | 35.0 | 196.7 | 8,900 | 37.7 | 202.5 | 8,000 | 41.9 | 210.0 | 6,400 | 45.6 | 215.5 | 4,900 | 155 |
| 160 | 26.4 | 175.5 | 9,800 | 32.0 | 189.2 | 8,300 | 34.9 | 195.6 | 7,400 | 39.3 | 204.2 | 5,900 | 43.2 | 210.4 | 4,500 | 160 |
| 165 | 22.3 | 164.5 | 9,200 | 28.6 | 180.6 | 7,800 | 31.8 | 188.1 | 6,900 | 36.5 | 197.8 | 5,400 | 40.7 | 204.9 | 4,000 | 165 |
| 170 | 17.4 | 150.6 | 8,600 | 24.9 | 170.7 | 7,200 | 28.5 | 179.4 | 6,400 | 33.6 | 190.7 | 5,000 | | | | 170 |
| 175 | 10.3 | 130.3 | 8,000 | 20.5 | 158.7 | 6,700 | 24.7 | 169.5 | 5,900 | 30.4 | 182.7 | 4,500 | | | | 175 |
| 180 | | | | 15.0 | 143.1 | 6,200 | 20.3 | 157.4 | 5,400 | 26.9 | 173.5 | 4,100 | | | | 180 |
| 190 | | | | | | | 4.6 | 112.1 | 4,500 | | | | | | | 190 |



Liftcrane Luffing Jib Capacities

777 SERIES 1

New York City Code
 Luffing Jib No. 139 on Boom No. 78
 105,000 Lb. Counterweight
 360 Degree Rating

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

100 Ft. Boom, 70 Ft. Jib

| Jib Oper. Rad. Feet | 88 Degree Boom Angle | | | 83 Degree Boom Angle | | | 80 Degree Boom Angle | | | 75 Degree Boom Angle | | | 70 Degree Boom Angle | | | 65 Degree Boom Angle | | | 60 Degree Boom Angle | | | Jib Oper. Rad. Feet |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | |
| 35 | 67.4 | 174.5 | 98,900 *b | | | | | | | | | | | | | | | | | | | 35 |
| 40 | 62.9 | 172.2 | 90,000 b | 70.8 | 175.2 | 84,400 b | | | | | | | | | | | | | | | | 40 |
| 45 | 58.2 | 169.4 | 77,000 | 66.4 | 173.3 | 72,100 b | | | | | | | | | | | | | | | | 45 |
| 50 | 53.2 | 166.0 | 67,100 | 61.9 | 170.8 | 62,900 b | 66.7 | 172.5 | 60,300 b | | | | | | | | | | | | | 50 |
| 55 | 47.9 | 161.9 | 59,400 | 57.1 | 167.9 | 55,600 | 62.1 | 170.2 | 53,300 b | | | | | | | | | | | | | 55 |
| 60 | 42.1 | 156.9 | 53,100 | 52.1 | 164.3 | 49,700 | 57.4 | 167.2 | 47,700 | | | | | | | | | | | | | 60 |
| 65 | 35.6 | 150.7 | 48,000 | 46.7 | 160.1 | 44,900 | 52.4 | 163.7 | 43,100 | 60.9 | 167.4 | 40,000 b | | | | | | | | | | 65 |
| 70 | 27.8 | 142.6 | 43,700 | 40.8 | 154.8 | 40,900 | 47.0 | 159.5 | 39,200 | 56.1 | 164.4 | 36,400 | | | | | | | | | | 70 |
| 75 | 17.1 | 130.5 | 39,900 | 34.0 | 148.3 | 37,400 | 41.1 | 154.3 | 35,900 | 51.0 | 160.7 | 33,300 | | | | | | | | | | 75 |
| 80 | | | | 25.8 | 139.6 | 34,400 | 34.5 | 147.9 | 33,000 | 45.6 | 156.2 | 30,600 | 54.6 | 160.6 | 28,200 | | | | | | | 80 |
| 85 | | | | 13.7 | 125.7 | 31,800 | 26.4 | 139.4 | 30,500 | 39.5 | 150.8 | 28,300 | 49.4 | 156.7 | 26,100 | | | | | | | 85 |
| 90 | | | | | | | 14.7 | 126.0 | 28,200 | 32.5 | 143.9 | 26,200 | 43.8 | 151.9 | 24,200 | 52.8 | 155.7 | 22,200 | | | | 90 |
| 95 | | | | | | | | | | 23.9 | 134.6 | 24,400 | 37.5 | 146.1 | 22,500 | 47.5 | 151.6 | 20,600 | | | | 95 |
| 100 | | | | | | | | | | 9.7 | 118.0 | 22,700 | 30.2 | 138.7 | 21,000 | 41.7 | 146.5 | 19,200 | | | | 100 |
| 105 | | | | | | | | | | | | | 20.6 | 128.1 | 19,600 | 35.1 | 140.2 | 17,900 | 45.1 | 145.4 | 16,300 | 105 |
| 110 | | | | | | | | | | | | | | | | 27.1 | 131.9 | 16,800 | 39.0 | 139.8 | 15,300 | 110 |
| 115 | | | | | | | | | | | | | | | | 16.0 | 119.3 | 15,700 | 31.9 | 132.8 | 14,300 | 115 |
| 120 | | | | | | | | | | | | | | | | | | | 23.1 | 123.2 | 13,400 | 120 |
| 125 | | | | | | | | | | | | | | | | | | | 7.5 | 104.9 | 12,500 | 125 |



Liftcrane Luffing Jib Capacities

777 SERIES 1

**New York City Code
Luffing Jib No. 139 on Boom No. 78
105,000 Lb. Counterweight
360 Degree Rating**

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

100 Ft. Boom, 80 Ft. Jib

| Jib Oper. Rad. Feet | 88 Degree Boom Angle | | | 83 Degree Boom Angle | | | 80 Degree Boom Angle | | | 75 Degree Boom Angle | | | 70 Degree Boom Angle | | | 65 Degree Boom Angle | | | 60 Degree Boom Angle | | | Jib Oper. Rad. Feet |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | |
| 35 | 70.3 | 185.2 | 90,300 *b | | | | | | | | | | | | | | | | | | | 35 |
| 40 | 66.5 | 183.3 | 86,900 *b | | | | | | | | | | | | | | | | | | | 40 |
| 45 | 62.5 | 180.9 | 76,800 | 69.5 | 184.0 | 71,800 b | | | | | | | | | | | | | | | | 45 |
| 50 | 58.4 | 178.0 | 66,900 | 65.6 | 182.0 | 62,600 b | | | | | | | | | | | | | | | | 50 |
| 55 | 54.1 | 174.7 | 59,200 | 61.6 | 179.5 | 55,300 | 65.9 | 181.3 | 53,000 b | | | | | | | | | | | | | 55 |
| 60 | 49.5 | 170.8 | 52,900 | 57.5 | 176.6 | 49,400 | 61.9 | 178.8 | 47,300 | | | | | | | | | | | | | 60 |
| 65 | 44.7 | 166.1 | 47,800 | 53.1 | 173.1 | 44,600 | 57.7 | 175.9 | 42,700 | | | | | | | | | | | | | 65 |
| 70 | 39.3 | 160.6 | 43,500 | 48.5 | 169.0 | 40,600 | 53.4 | 172.5 | 38,800 | 60.8 | 176.1 | 36,000 | | | | | | | | | | 70 |
| 75 | 33.2 | 153.8 | 39,800 | 43.5 | 164.2 | 37,100 | 48.8 | 168.4 | 35,500 | 56.6 | 173.1 | 32,900 | | | | | | | | | | 75 |
| 80 | 26.0 | 145.0 | 36,600 | 38.0 | 158.4 | 34,200 | 43.8 | 163.7 | 32,700 | 52.2 | 169.5 | 30,200 | | | | | | | | | | 80 |
| 85 | 16.0 | 131.9 | 33,800 | 31.8 | 151.2 | 31,600 | 38.4 | 157.9 | 30,200 | 47.5 | 165.3 | 27,900 | 55.3 | 169.3 | 25,700 | | | | | | | 85 |
| 90 | | | | 24.1 | 141.8 | 29,300 | 32.2 | 150.9 | 28,000 | 42.5 | 160.3 | 25,900 | 50.8 | 165.5 | 23,800 | | | | | | | 90 |
| 95 | | | | 12.8 | 126.9 | 27,200 | 24.6 | 141.6 | 26,100 | 36.9 | 154.2 | 24,100 | 46.1 | 161.1 | 22,100 | | | | | | | 95 |
| 100 | | | | | | | 13.7 | 127.3 | 24,300 | 30.4 | 146.7 | 22,500 | 40.9 | 155.8 | 20,600 | 49.2 | 160.5 | 18,800 | | | | 100 |
| 105 | | | | | | | | | | 22.3 | 136.6 | 21,000 | 35.0 | 149.4 | 19,300 | 44.3 | 155.8 | 17,600 | | | | 105 |
| 110 | | | | | | | | | | 9.0 | 118.8 | 19,600 | 28.2 | 141.3 | 18,100 | 38.9 | 150.2 | 16,400 | 47.1 | 154.4 | 14,800 | 110 |
| 115 | | | | | | | | | | | | | 19.3 | 129.9 | 16,900 | 32.7 | 143.2 | 15,400 | 42.0 | 149.3 | 13,900 | 115 |
| 120 | | | | | | | | | | | | | | | | 25.4 | 134.2 | 14,500 | 36.4 | 143.2 | 13,000 | 120 |
| 125 | | | | | | | | | | | | | | | | 15.0 | 120.6 | 13,600 | 29.8 | 135.5 | 12,200 | 125 |
| 130 | | | | | | | | | | | | | | | | | | | 21.6 | 125.1 | 11,500 | 130 |
| 135 | | | | | | | | | | | | | | | | | | | 7.0 | 105.5 | 10,800 | 135 |



Liftcrane Luffing Jib Capacities

New York City Code
 Luffing Jib No. 139 on Boom No. 78
 105,000 Lb. Counterweight
 360 Degree Rating

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

777 SERIES 1

100 Ft. Boom, 90 Ft. Jib

| Jib Oper. Rad. Feet | 88 Degree Boom Angle | | | 83 Degree Boom Angle | | | 80 Degree Boom Angle | | | 75 Degree Boom Angle | | | 70 Degree Boom Angle | | | 65 Degree Boom Angle | | | 60 Degree Boom Angle | | | Jib Oper. Rad. Feet |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | |
| 35 | 72.6 | 195.8 | 81,000 *b | | | | | | | | | | | | | | | | | | | 35 |
| 40 | 69.2 | 194.1 | 77,700 *b | | | | | | | | | | | | | | | | | | | 40 |
| 45 | 65.8 | 192.0 | 74,200 * | | | | | | | | | | | | | | | | | | | 45 |
| 50 | 62.2 | 189.5 | 66,700 | 68.5 | 192.8 | 62,300 | | | | | | | | | | | | | | | | 50 |
| 55 | 58.6 | 186.7 | 59,000 | 65.0 | 190.7 | 55,100 | | | | | | | | | | | | | | | | 55 |
| 60 | 54.8 | 183.4 | 52,800 | 61.5 | 188.2 | 49,200 | 65.2 | 190.0 | 47,100 | | | | | | | | | | | | | 60 |
| 65 | 50.8 | 179.6 | 47,600 | 57.8 | 185.2 | 44,400 | 61.7 | 187.5 | 42,500 | | | | | | | | | | | | | 65 |
| 70 | 46.5 | 175.2 | 43,300 | 53.9 | 181.8 | 40,400 | 58.0 | 184.6 | 38,600 | | | | | | | | | | | | | 70 |
| 75 | 42.0 | 170.1 | 39,700 | 49.9 | 177.9 | 37,000 | 54.1 | 181.2 | 35,300 | 60.7 | 184.7 | 32,600 | | | | | | | | | | 75 |
| 80 | 37.0 | 164.0 | 36,500 | 45.6 | 173.4 | 34,000 | 50.1 | 177.3 | 32,500 | 57.0 | 181.7 | 30,000 | | | | | | | | | | 80 |
| 85 | 31.3 | 156.6 | 33,800 | 40.9 | 168.1 | 31,400 | 45.8 | 172.8 | 30,000 | 53.1 | 178.2 | 27,700 | | | | | | | | | | 85 |
| 90 | 24.5 | 147.2 | 31,300 | 35.8 | 161.7 | 29,200 | 41.2 | 167.6 | 27,900 | 49.0 | 174.2 | 25,700 | 55.9 | 178.0 | 23,500 | | | | | | | 90 |
| 95 | 15.1 | 133.3 | 29,200 | 29.9 | 154.0 | 27,200 | 36.1 | 161.3 | 25,900 | 44.7 | 169.5 | 23,900 | 51.9 | 174.3 | 21,900 | | | | | | | 95 |
| 100 | | | | 22.7 | 143.9 | 25,400 | 30.3 | 153.7 | 24,200 | 39.9 | 164.0 | 22,300 | 47.8 | 170.1 | 20,400 | | | | | | | 100 |
| 105 | | | | 12.1 | 128.0 | 23,700 | 23.2 | 143.7 | 22,700 | 34.7 | 157.5 | 20,800 | 43.3 | 165.2 | 19,100 | 50.5 | 169.4 | 17,300 | | | | 105 |
| 110 | | | | | | | 13.0 | 128.4 | 21,200 | 28.6 | 149.3 | 19,500 | 38.4 | 159.4 | 17,900 | 46.2 | 164.9 | 16,200 | | | | 110 |
| 115 | | | | | | | | | | 21.0 | 138.5 | 18,300 | 33.0 | 152.4 | 16,800 | 41.6 | 159.7 | 15,200 | | | | 115 |
| 120 | | | | | | | | | | 8.5 | 119.6 | 17,200 | 26.5 | 143.7 | 15,700 | 36.6 | 153.6 | 14,200 | 44.3 | 158.6 | 12,800 | 120 |
| 125 | | | | | | | | | | | | | 18.2 | 131.5 | 14,800 | 30.8 | 146.1 | 13,400 | 39.5 | 153.1 | 12,000 | 125 |
| 130 | | | | | | | | | | | | | | | | 23.9 | 136.4 | 12,600 | 34.2 | 146.4 | 11,300 | 130 |
| 135 | | | | | | | | | | | | | | | | 14.1 | 121.9 | 11,800 | 28.1 | 138.1 | 10,600 | 135 |
| 140 | | | | | | | | | | | | | | | | | | | 20.3 | 127.0 | 10,000 | 140 |
| 145 | | | | | | | | | | | | | | | | | | | 6.6 | 106.1 | 9,300 | 145 |



Liftcrane Luffing Jib Capacities

777 SERIES 1

New York City Code
 Luffing Jib No. 139 on Boom No. 78
 105,000 Lb. Counterweight
 360 Degree Rating

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

100 Ft. Boom, 100 Ft. Jib

| Jib Oper. Rad. Feet | 88 Degree Boom Angle | | | 83 Degree Boom Angle | | | 80 Degree Boom Angle | | | 75 Degree Boom Angle | | | 70 Degree Boom Angle | | | 65 Degree Boom Angle | | | 60 Degree Boom Angle | | | Jib Oper. Rad. Feet |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | |
| 35 | 74.4 | 206.2 | 74,500 *b | | | | | | | | | | | | | | | | | | | 35 |
| 40 | 71.4 | 204.7 | 71,900 * | | | | | | | | | | | | | | | | | | | 40 |
| 45 | 68.3 | 202.8 | 69,200 * | | | | | | | | | | | | | | | | | | | 45 |
| 50 | 65.2 | 200.7 | 66,100 * | 70.7 | 203.5 | 62,000 | | | | | | | | | | | | | | | | 50 |
| 55 | 62.0 | 198.2 | 58,800 | 67.7 | 201.6 | 54,700 | | | | | | | | | | | | | | | | 55 |
| 60 | 58.7 | 195.4 | 52,500 | 64.5 | 199.4 | 48,900 | 67.8 | 200.9 | 46,700 | | | | | | | | | | | | | 60 |
| 65 | 55.3 | 192.1 | 47,400 | 61.3 | 196.8 | 44,100 | 64.7 | 198.7 | 42,100 | | | | | | | | | | | | | 65 |
| 70 | 51.8 | 188.4 | 43,100 | 58.0 | 193.9 | 40,100 | 61.5 | 196.1 | 38,300 | | | | | | | | | | | | | 70 |
| 75 | 48.0 | 184.2 | 39,400 | 54.5 | 190.6 | 36,700 | 58.2 | 193.2 | 35,000 | | | | | | | | | | | | | 75 |
| 80 | 44.0 | 179.4 | 36,300 | 50.9 | 186.8 | 33,700 | 54.8 | 189.9 | 32,200 | 60.7 | 193.4 | 29,600 | | | | | | | | | | 80 |
| 85 | 39.7 | 173.8 | 33,500 | 47.2 | 182.4 | 31,100 | 51.2 | 186.2 | 29,700 | 57.3 | 190.4 | 27,300 | | | | | | | | | | 85 |
| 90 | 35.0 | 167.3 | 31,100 | 43.1 | 177.4 | 28,900 | 47.4 | 181.9 | 27,500 | 53.8 | 187.0 | 25,300 | | | | | | | | | | 90 |
| 95 | 29.7 | 159.4 | 29,000 | 38.7 | 171.7 | 26,900 | 43.4 | 176.9 | 25,600 | 50.2 | 183.1 | 23,500 | 56.3 | 186.6 | 21,500 | | | | | | | 95 |
| 100 | 23.2 | 149.3 | 27,100 | 33.9 | 164.9 | 25,100 | 39.0 | 171.2 | 23,900 | 46.4 | 178.6 | 21,900 | 52.8 | 183.1 | 20,000 | | | | | | | 100 |
| 105 | 14.3 | 134.6 | 25,300 | 28.4 | 156.6 | 23,500 | 34.2 | 164.5 | 22,400 | 42.3 | 173.5 | 20,500 | 49.1 | 179.0 | 18,700 | | | | | | | 105 |
| 110 | | | | 21.6 | 145.9 | 22,000 | 28.7 | 156.3 | 21,000 | 37.8 | 167.5 | 19,200 | 45.2 | 174.4 | 17,500 | 51.5 | 178.2 | 15,800 | | | | 110 |
| 115 | | | | 11.5 | 129.0 | 20,700 | 22.0 | 145.7 | 19,700 | 32.9 | 160.5 | 18,000 | 41.0 | 169.0 | 16,400 | 47.7 | 173.9 | 14,800 | | | | 115 |
| 120 | | | | | | | 12.3 | 129.5 | 18,500 | 27.1 | 151.8 | 17,000 | 36.4 | 162.8 | 15,400 | 43.7 | 169.1 | 13,900 | | | | 120 |
| 125 | | | | | | | | | | 19.9 | 140.3 | 16,000 | 31.2 | 155.3 | 14,500 | 39.4 | 163.4 | 13,000 | 46.0 | 167.8 | 11,600 | 125 |
| 130 | | | | | | | | | | 8.1 | 120.3 | 15,000 | 25.2 | 146.0 | 13,600 | 34.6 | 156.8 | 12,200 | 41.9 | 162.6 | 10,900 | 130 |
| 135 | | | | | | | | | | | | | 17.2 | 133.1 | 12,800 | 29.2 | 148.8 | 11,500 | 37.4 | 156.5 | 10,200 | 135 |
| 140 | | | | | | | | | | | | | | | | 22.6 | 138.5 | 10,900 | 32.4 | 149.4 | 9,600 | 140 |
| 145 | | | | | | | | | | | | | | | | 13.4 | 123.1 | 10,200 | 26.6 | 140.6 | 9,000 | 145 |
| 150 | | | | | | | | | | | | | | | | | | | 19.3 | 128.7 | 8,500 | 150 |
| 155 | | | | | | | | | | | | | | | | | | | 6.2 | 106.6 | 7,900 | 155 |



Liftcrane Luffing Jib Capacities

New York City Code
 Luffing Jib No. 139 on Boom No. 78
 105,000 Lb. Counterweight
 360 Degree Rating

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

777 SERIES 1

100 Ft. Boom, 110 Ft. Jib

| Jib Oper. Rad. Feet | 88 Degree Boom Angle | | | 83 Degree Boom Angle | | | 80 Degree Boom Angle | | | 75 Degree Boom Angle | | | 70 Degree Boom Angle | | | 65 Degree Boom Angle | | | 60 Degree Boom Angle | | | Jib Oper. Rad. Feet |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | |
| 35 | 75.8 | 216.6 | 68,800 *b | | | | | | | | | | | | | | | | | | | 35 |
| 40 | 73.1 | 215.2 | 66,500 * | | | | | | | | | | | | | | | | | | | 40 |
| 45 | 70.4 | 213.5 | 64,000 * | | | | | | | | | | | | | | | | | | | 45 |
| 50 | 67.6 | 211.6 | 61,500 * | | | | | | | | | | | | | | | | | | | 50 |
| 55 | 64.8 | 209.4 | 58,700 | 69.8 | 212.3 | 54,700 | | | | | | | | | | | | | | | | 55 |
| 60 | 61.8 | 206.9 | 52,500 | 67.0 | 210.4 | 48,800 | | | | | | | | | | | | | | | | 60 |
| 65 | 58.8 | 204.0 | 47,300 | 64.1 | 208.1 | 44,000 | 67.2 | 209.6 | 42,000 | | | | | | | | | | | | | 65 |
| 70 | 55.8 | 200.8 | 43,000 | 61.2 | 205.5 | 40,000 | 64.3 | 207.4 | 38,200 | | | | | | | | | | | | | 70 |
| 75 | 52.5 | 197.2 | 39,400 | 58.2 | 202.6 | 36,600 | 61.4 | 204.8 | 34,900 | | | | | | | | | | | | | 75 |
| 80 | 49.2 | 193.1 | 36,300 | 55.1 | 199.3 | 33,700 | 58.4 | 201.9 | 32,100 | | | | | | | | | | | | | 80 |
| 85 | 45.6 | 188.5 | 33,500 | 51.8 | 195.6 | 31,100 | 55.2 | 198.6 | 29,600 | 60.6 | 202.1 | 27,200 | | | | | | | | | | 85 |
| 90 | 41.9 | 183.3 | 31,100 | 48.4 | 191.4 | 28,800 | 52.0 | 195.0 | 27,500 | 57.6 | 199.1 | 25,200 | | | | | | | | | | 90 |
| 95 | 37.8 | 177.3 | 29,000 | 44.8 | 186.7 | 26,900 | 48.6 | 190.8 | 25,600 | 54.4 | 195.7 | 23,500 | | | | | | | | | | 95 |
| 100 | 33.3 | 170.3 | 27,100 | 41.0 | 181.3 | 25,100 | 45.1 | 186.1 | 23,900 | 51.1 | 191.9 | 21,900 | 56.6 | 195.3 | 19,900 | | | | | | | 100 |
| 105 | 28.2 | 161.9 | 25,400 | 36.9 | 175.1 | 23,500 | 41.2 | 180.8 | 22,400 | 47.7 | 187.6 | 20,500 | 53.4 | 191.8 | 18,600 | | | | | | | 105 |
| 110 | 22.1 | 151.3 | 23,800 | 32.3 | 167.8 | 22,000 | 37.1 | 174.6 | 21,000 | 44.1 | 182.8 | 19,200 | 50.1 | 187.9 | 17,400 | | | | | | | 110 |
| 115 | 13.6 | 135.8 | 22,400 | 27.0 | 159.1 | 20,700 | 32.6 | 167.5 | 19,700 | 40.2 | 177.3 | 18,000 | 46.6 | 183.5 | 16,300 | 52.3 | 187.0 | 14,700 | | | | 115 |
| 120 | | | | 20.5 | 147.7 | 19,500 | 27.3 | 158.8 | 18,600 | 36.0 | 170.9 | 17,000 | 43.0 | 178.4 | 15,400 | 48.9 | 182.9 | 13,800 | | | | 120 |
| 125 | | | | 10.9 | 130.0 | 18,400 | 21.0 | 147.6 | 17,500 | 31.3 | 163.4 | 16,000 | 39.0 | 172.7 | 14,500 | 45.4 | 178.2 | 13,000 | | | | 125 |
| 130 | | | | | | | 11.7 | 130.6 | 16,500 | 25.8 | 154.2 | 15,100 | 34.6 | 166.0 | 13,600 | 41.6 | 173.0 | 12,200 | 47.4 | 176.8 | 10,800 | 130 |
| 135 | | | | | | | | | | 19.0 | 142.1 | 14,200 | 29.7 | 158.0 | 12,800 | 37.5 | 166.9 | 11,500 | 43.8 | 171.9 | 10,200 | 135 |
| 140 | | | | | | | | | | 7.7 | 121.0 | 13,400 | 24.0 | 148.2 | 12,100 | 33.0 | 159.8 | 10,800 | 39.9 | 166.3 | 9,600 | 140 |
| 145 | | | | | | | | | | | | | 16.4 | 134.6 | 11,400 | 27.8 | 151.3 | 10,200 | 35.6 | 159.8 | 9,000 | 145 |
| 150 | | | | | | | | | | | | | | | | 21.6 | 140.4 | 9,600 | 30.9 | 152.2 | 8,500 | 150 |
| 155 | | | | | | | | | | | | | | | | 12.7 | 124.2 | 9,100 | 25.4 | 142.9 | 8,000 | 155 |
| 160 | | | | | | | | | | | | | | | | | | | 18.3 | 130.4 | 7,500 | 160 |
| 165 | | | | | | | | | | | | | | | | | | | 5.9 | 107.2 | 7,000 | 165 |



Liftcrane Luffing Jib Capacities

777 SERIES 1

**New York City Code
Luffing Jib No. 139 on Boom No. 78
105,000 Lb. Counterweight
360 Degree Rating**

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

100 Ft. Boom, 120 Ft. Jib

| Jib Oper. Rad. Feet | 88 Degree Boom Angle | | | 83 Degree Boom Angle | | | 80 Degree Boom Angle | | | 75 Degree Boom Angle | | | 70 Degree Boom Angle | | | 65 Degree Boom Angle | | | 60 Degree Boom Angle | | | Jib Oper. Rad. Feet |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | |
| 40 | 74.6 | 225.6 | 61,300 * | | | | | | | | | | | | | | | | | | | 40 |
| 45 | 72.1 | 224.1 | 59,200 * | | | | | | | | | | | | | | | | | | | 45 |
| 50 | 69.6 | 222.3 | 56,800 * | | | | | | | | | | | | | | | | | | | 50 |
| 55 | 67.0 | 220.4 | 54,500 * | | | | | | | | | | | | | | | | | | | 55 |
| 60 | 64.4 | 218.1 | 52,200 * | 69.0 | 221.1 | 48,500 | | | | | | | | | | | | | | | | 60 |
| 65 | 61.7 | 215.5 | 47,100 | 66.4 | 219.1 | 43,700 | | | | | | | | | | | | | | | | 65 |
| 70 | 58.9 | 212.7 | 42,800 | 63.8 | 216.8 | 39,700 | 66.6 | 218.4 | 37,900 | | | | | | | | | | | | | 70 |
| 75 | 56.1 | 209.5 | 39,100 | 61.1 | 214.2 | 36,300 | 63.9 | 216.1 | 34,600 | | | | | | | | | | | | | 75 |
| 80 | 53.2 | 206.0 | 36,000 | 58.3 | 211.2 | 33,400 | 61.3 | 213.5 | 31,800 | | | | | | | | | | | | | 80 |
| 85 | 50.1 | 202.0 | 33,300 | 55.5 | 208.0 | 30,800 | 58.5 | 210.6 | 29,300 | | | | | | | | | | | | | 85 |
| 90 | 47.0 | 197.6 | 30,900 | 52.5 | 204.3 | 28,600 | 55.6 | 207.3 | 27,200 | 60.5 | 210.7 | 24,900 | | | | | | | | | | 90 |
| 95 | 43.6 | 192.6 | 28,800 | 49.5 | 200.3 | 26,600 | 52.7 | 203.7 | 25,300 | 57.8 | 207.7 | 23,100 | | | | | | | | | | 95 |
| 100 | 40.0 | 187.1 | 26,900 | 46.2 | 195.8 | 24,800 | 49.6 | 199.7 | 23,600 | 54.9 | 204.4 | 21,500 | | | | | | | | | | 100 |
| 105 | 36.1 | 180.7 | 25,200 | 42.8 | 190.7 | 23,200 | 46.4 | 195.2 | 22,000 | 51.9 | 200.7 | 20,100 | 56.9 | 204.0 | 18,200 | | | | | | | 105 |
| 110 | 31.9 | 173.3 | 23,600 | 39.2 | 184.9 | 21,800 | 43.0 | 190.2 | 20,700 | 48.8 | 196.6 | 18,800 | 54.0 | 200.6 | 17,000 | | | | | | | 110 |
| 115 | 27.0 | 164.4 | 22,200 | 35.2 | 178.4 | 20,500 | 39.4 | 184.5 | 19,400 | 45.6 | 191.9 | 17,700 | 51.0 | 196.7 | 16,000 | | | | | | | 115 |
| 120 | 21.2 | 153.2 | 20,900 | 30.9 | 170.7 | 19,300 | 35.5 | 177.9 | 18,300 | 42.1 | 186.7 | 16,600 | 47.9 | 192.5 | 15,000 | 53.0 | 195.7 | 13,400 | | | | 120 |
| 125 | 13.0 | 137.0 | 19,700 | 25.8 | 161.4 | 18,200 | 31.1 | 170.3 | 17,200 | 38.4 | 180.8 | 15,700 | 44.6 | 187.7 | 14,100 | 49.9 | 191.8 | 12,600 | | | | 125 |
| 130 | | | | 19.7 | 149.5 | 17,200 | 26.2 | 161.2 | 16,300 | 34.4 | 174.0 | 14,800 | 41.0 | 182.3 | 13,300 | 46.7 | 187.3 | 11,800 | | | | 130 |
| 135 | | | | 10.5 | 130.9 | 16,200 | 20.1 | 149.5 | 15,400 | 29.9 | 166.1 | 13,900 | 37.3 | 176.1 | 12,500 | 43.3 | 182.3 | 11,100 | | | | 135 |
| 140 | | | | | | | 11.2 | 131.6 | 14,500 | 24.7 | 156.4 | 13,200 | 33.1 | 169.0 | 11,800 | 39.7 | 176.7 | 10,500 | 45.3 | 181.1 | 9,200 | 140 |
| 145 | | | | | | | | | | 18.2 | 143.7 | 12,400 | 28.4 | 160.6 | 11,100 | 35.8 | 170.2 | 9,900 | 41.8 | 175.8 | 8,600 | 145 |
| 150 | | | | | | | | | | 7.4 | 121.7 | 11,700 | 22.9 | 150.2 | 10,500 | 31.5 | 162.7 | 9,300 | 38.1 | 169.8 | 8,100 | 150 |
| 155 | | | | | | | | | | | | | 15.7 | 136.0 | 9,900 | 26.6 | 153.7 | 8,800 | 34.1 | 163.0 | 7,600 | 155 |
| 160 | | | | | | | | | | | | | | | | 20.6 | 142.3 | 8,300 | 29.5 | 154.9 | 7,200 | 160 |
| 165 | | | | | | | | | | | | | | | | 12.2 | 125.3 | 7,800 | 24.3 | 145.1 | 6,700 | 165 |
| 170 | | | | | | | | | | | | | | | | | | | 17.6 | 132.0 | 6,300 | 170 |
| 175 | | | | | | | | | | | | | | | | | | | 5.7 | 107.7 | 5,900 | 175 |



Liftcrane Luffing Jib Capacities

777 SERIES 1

New York City Code
 Luffing Jib No. 139 on Boom No. 78
 105,000 Lb. Counterweight
 360 Degree Rating

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

100 Ft. Boom, 130 Ft. Jib

| Jib Oper. Rad. Feet | 88 Degree Boom Angle | | | 83 Degree Boom Angle | | | 80 Degree Boom Angle | | | 75 Degree Boom Angle | | | 70 Degree Boom Angle | | | 65 Degree Boom Angle | | | 60 Degree Boom Angle | | | Jib Oper. Rad. Feet |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | |
| 40 | 75.8 | 235.9 | 49,900 * | | | | | | | | | | | | | | | | | | | 40 |
| 45 | 73.5 | 234.5 | 48,900 * | | | | | | | | | | | | | | | | | | | 45 |
| 50 | 71.2 | 233.0 | 48,000 * | | | | | | | | | | | | | | | | | | | 50 |
| 55 | 68.8 | 231.1 | 46,700 * | | | | | | | | | | | | | | | | | | | 55 |
| 60 | 66.5 | 229.1 | 44,800 * | 70.7 | 231.8 | 47,900 * | | | | | | | | | | | | | | | | 60 |
| 65 | 64.0 | 226.8 | 43,000 * | 68.3 | 229.9 | 43,500 | | | | | | | | | | | | | | | | 65 |
| 70 | 61.6 | 224.2 | 41,200 * | 65.9 | 227.8 | 39,500 | | | | | | | | | | | | | | | | 70 |
| 75 | 59.0 | 221.4 | 38,900 | 63.5 | 225.4 | 36,000 | 66.1 | 227.1 | 34,300 | | | | | | | | | | | | | 75 |
| 80 | 56.4 | 218.2 | 35,800 | 61.0 | 222.8 | 33,100 | 63.6 | 224.8 | 31,500 | | | | | | | | | | | | | 80 |
| 85 | 53.7 | 214.7 | 33,100 | 58.5 | 219.9 | 30,600 | 61.2 | 222.1 | 29,100 | | | | | | | | | | | | | 85 |
| 90 | 50.9 | 210.9 | 30,700 | 55.8 | 216.7 | 28,300 | 58.6 | 219.2 | 26,900 | 63.0 | 222.1 | 24,600 | | | | | | | | | | 90 |
| 95 | 48.0 | 206.6 | 28,600 | 53.1 | 213.1 | 26,300 | 56.0 | 216.0 | 25,000 | 60.5 | 219.4 | 22,800 | | | | | | | | | | 95 |
| 100 | 45.0 | 201.8 | 26,700 | 50.3 | 209.2 | 24,600 | 53.3 | 212.5 | 23,300 | 57.9 | 216.4 | 21,300 | | | | | | | | | | 100 |
| 105 | 41.8 | 196.6 | 25,000 | 47.4 | 204.8 | 23,000 | 50.5 | 208.6 | 21,800 | 55.3 | 213.1 | 19,900 | | | | | | | | | | 105 |
| 110 | 38.4 | 190.6 | 23,400 | 44.3 | 199.9 | 21,600 | 47.6 | 204.2 | 20,400 | 52.6 | 209.5 | 18,600 | 57.2 | 212.7 | 16,800 | | | | | | | 110 |
| 115 | 34.7 | 183.9 | 22,000 | 41.1 | 194.5 | 20,300 | 44.5 | 199.4 | 19,200 | 49.7 | 205.5 | 17,400 | 54.5 | 209.3 | 15,700 | | | | | | | 115 |
| 120 | 30.6 | 176.1 | 20,800 | 37.6 | 188.4 | 19,100 | 41.3 | 194.0 | 18,100 | 46.8 | 201.0 | 16,400 | 51.7 | 205.5 | 14,700 | | | | | | | 120 |
| 125 | 25.9 | 166.8 | 19,600 | 33.8 | 181.5 | 18,000 | 37.8 | 188.0 | 17,000 | 43.7 | 196.0 | 15,400 | 48.9 | 201.4 | 13,800 | | | | | | | 125 |
| 130 | 20.3 | 155.1 | 18,500 | 29.6 | 173.4 | 17,000 | 34.1 | 181.1 | 16,100 | 40.4 | 190.5 | 14,500 | 45.9 | 196.8 | 13,000 | 50.7 | 200.6 | 11,500 | | | | 130 |
| 135 | 12.5 | 138.1 | 17,500 * | 24.8 | 163.6 | 16,100 | 29.9 | 173.0 | 15,200 | 36.9 | 184.2 | 13,700 | 42.7 | 191.7 | 12,300 | 47.8 | 196.3 | 10,800 | | | | 135 |
| 140 | | | | 18.9 | 151.2 | 15,200 | 25.1 | 163.4 | 14,400 | 33.0 | 177.1 | 12,900 | 39.4 | 185.9 | 11,600 | 44.8 | 191.5 | 10,200 | | | | 140 |
| 145 | | | | 10.0 | 131.8 | 14,400 | 19.3 | 151.2 | 13,600 | 28.7 | 168.7 | 12,200 | 35.7 | 179.4 | 10,900 | 41.5 | 186.2 | 9,600 | 46.5 | 190.1 | 8,300 | 145 |
| 150 | | | | | | | 10.8 | 132.6 | 12,800 | 23.7 | 158.6 | 11,600 | 31.8 | 171.9 | 10,300 | 38.1 | 180.2 | 9,000 | 43.4 | 185.1 | 7,800 | 150 |
| 155 | | | | | | | | | | 17.5 | 145.3 | 10,900 | 27.3 | 163.1 | 9,700 | 34.4 | 173.4 | 8,500 | 40.1 | 179.5 | 7,300 | 155 |
| 160 | | | | | | | | | | 7.1 | 122.3 | 10,300 | 22.0 | 152.2 | 9,200 | 30.3 | 165.5 | 8,000 | 36.6 | 173.2 | 6,900 | 160 |
| 165 | | | | | | | | | | | | | 15.1 | 137.3 | 8,700 | 25.5 | 156.0 | 7,600 | 32.7 | 166.0 | 6,500 | 165 |
| 170 | | | | | | | | | | | | | | | | 19.8 | 144.1 | 7,100 | 28.4 | 157.5 | 6,100 | 170 |
| 175 | | | | | | | | | | | | | | | | 11.7 | 126.4 | 6,700 | 23.3 | 147.2 | 5,700 | 175 |
| 180 | | | | | | | | | | | | | | | | | | | 16.9 | 133.5 | 5,300 | 180 |



Liftcrane Luffing Jib Capacities

777 SERIES 1

**New York City Code
Luffing Jib No. 139 on Boom No. 78
105,000 Lb. Counterweight
360 Degree Rating**

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

100 Ft. Boom, 140 Ft. Jib

| Jib Oper. Rad. Feet | 88 Degree Boom Angle | | | 83 Degree Boom Angle | | | 80 Degree Boom Angle | | | 75 Degree Boom Angle | | | 70 Degree Boom Angle | | | 65 Degree Boom Angle | | | 60 Degree Boom Angle | | | Jib Oper. Rad. Feet |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | |
| 45 | 74.7 | 244.9 | 45,600 * | | | | | | | | | | | | | | | | | | | 45 |
| 50 | 72.6 | 243.5 | 44,800 * | | | | | | | | | | | | | | | | | | | 50 |
| 55 | 70.4 | 241.8 | 43,000 * | | | | | | | | | | | | | | | | | | | 55 |
| 60 | 68.2 | 239.9 | 41,200 * | | | | | | | | | | | | | | | | | | | 60 |
| 65 | 66.0 | 237.8 | 39,500 * | 69.9 | 240.6 | 42,600 * | | | | | | | | | | | | | | | | 65 |
| 70 | 63.8 | 235.5 | 37,800 * | 67.8 | 238.7 | 39,200 | | | | | | | | | | | | | | | | 70 |
| 75 | 61.5 | 232.9 | 36,200 * | 65.5 | 236.5 | 35,700 | 67.9 | 238.0 | 34,000 | | | | | | | | | | | | | 75 |
| 80 | 59.1 | 230.0 | 34,700 * | 63.3 | 234.1 | 32,800 | 65.7 | 235.8 | 31,200 | | | | | | | | | | | | | 80 |
| 85 | 56.7 | 226.9 | 32,800 | 60.9 | 231.5 | 30,300 | 63.4 | 233.4 | 28,700 | | | | | | | | | | | | | 85 |
| 90 | 54.2 | 223.4 | 30,400 | 58.6 | 228.6 | 28,000 | 61.1 | 230.8 | 26,600 | | | | | | | | | | | | | 90 |
| 95 | 51.6 | 219.7 | 28,300 | 56.1 | 225.4 | 26,000 | 58.7 | 227.9 | 24,700 | 62.8 | 230.8 | 22,500 | | | | | | | | | | 95 |
| 100 | 49.0 | 215.5 | 26,400 | 53.6 | 221.8 | 24,300 | 56.3 | 224.7 | 23,000 | 60.5 | 228.1 | 20,900 | | | | | | | | | | 100 |
| 105 | 46.2 | 210.9 | 24,700 | 51.1 | 218.0 | 22,700 | 53.8 | 221.2 | 21,500 | 58.1 | 225.1 | 19,500 | | | | | | | | | | 105 |
| 110 | 43.3 | 205.9 | 23,200 | 48.4 | 213.8 | 21,300 | 51.2 | 217.4 | 20,100 | 55.6 | 221.8 | 18,200 | | | | | | | | | | 110 |
| 115 | 40.2 | 200.3 | 21,800 | 45.6 | 209.1 | 20,000 | 48.5 | 213.2 | 18,900 | 53.1 | 218.2 | 17,100 | 57.4 | 221.4 | 15,300 | | | | | | | 115 |
| 120 | 36.9 | 194.0 | 20,500 | 42.6 | 203.9 | 18,800 | 45.7 | 208.5 | 17,800 | 50.5 | 214.3 | 16,000 | 54.9 | 218.0 | 14,300 | | | | | | | 120 |
| 125 | 33.4 | 186.9 | 19,400 | 39.5 | 198.2 | 17,700 | 42.8 | 203.4 | 16,700 | 47.8 | 210.0 | 15,100 | 52.4 | 214.3 | 13,500 | | | | | | | 125 |
| 130 | 29.5 | 178.7 | 18,300 | 36.2 | 191.8 | 16,700 | 39.7 | 197.7 | 15,800 | 45.0 | 205.2 | 14,200 | 49.7 | 210.3 | 12,600 | | | | | | | 130 |
| 135 | 25.0 | 169.0 | 17,300 | 32.6 | 184.4 | 15,800 | 36.4 | 191.3 | 14,900 | 42.0 | 200.0 | 13,400 | 47.0 | 205.8 | 11,900 | 51.4 | 209.4 | 10,500 | | | | 135 |
| 140 | 19.6 | 156.8 | 16,400 | 28.5 | 176.0 | 14,900 | 32.8 | 184.1 | 14,100 | 38.9 | 194.1 | 12,600 | 44.1 | 200.9 | 11,200 | 48.8 | 205.2 | 9,800 | | | | 140 |
| 145 | 12.1 | 139.2 | 15,300 * | 23.9 | 165.8 | 14,100 | 28.8 | 175.7 | 13,300 | 35.5 | 187.5 | 11,900 | 41.1 | 195.5 | 10,600 | 46.0 | 200.6 | 9,200 | | | | 145 |
| 150 | | | | 18.2 | 152.8 | 13,400 | 24.2 | 165.6 | 12,600 | 31.8 | 180.0 | 11,300 | 37.9 | 189.4 | 10,000 | 43.1 | 195.6 | 8,700 | 47.6 | 199.1 | 7,400 | 150 |
| 155 | | | | 9.7 | 132.7 | 12,700 | 18.6 | 152.8 | 11,900 | 27.7 | 171.2 | 10,700 | 34.4 | 182.6 | 9,400 | 40.0 | 189.9 | 8,200 | 44.8 | 194.3 | 7,000 | 155 |
| 160 | | | | | | | 10.4 | 133.5 | 11,300 | 22.9 | 160.6 | 10,100 | 30.6 | 174.7 | 8,900 | 36.7 | 183.6 | 7,700 | 41.8 | 189.0 | 6,500 | 160 |
| 165 | | | | | | | | | | 16.8 | 146.8 | 9,500 | 26.3 | 165.5 | 8,400 | 33.1 | 176.4 | 7,200 | 38.6 | 183.1 | 6,100 | 165 |
| 170 | | | | | | | | | | 6.8 | 122.9 | 9,000 | 21.2 | 154.1 | 7,900 | 29.1 | 168.1 | 6,800 | 35.2 | 176.5 | 5,700 | 170 |
| 175 | | | | | | | | | | | | | 14.5 | 138.6 | 7,400 | 24.6 | 158.3 | 6,400 | 31.5 | 168.9 | 5,300 | 175 |
| 180 | | | | | | | | | | | | | | | | 19.1 | 145.8 | 6,000 | 27.3 | 160.0 | 5,000 | 180 |
| 190 | | | | | | | | | | | | | | | | | | | 16.2 | 134.9 | 4,300 | 190 |



Liftcrane Luffing Jib Capacities

New York City Code
 Luffing Jib No. 139 on Boom No. 78
 105,000 Lb. Counterweight
 360 Degree Rating

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

777 SERIES 1

100 Ft. Boom, 150 Ft. Jib

| Jib Oper. Rad. Feet | 88 Degree Boom Angle | | | 83 Degree Boom Angle | | | 80 Degree Boom Angle | | | 75 Degree Boom Angle | | | 70 Degree Boom Angle | | | 65 Degree Boom Angle | | | 60 Degree Boom Angle | | | Jib Oper. Rad. Feet |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | |
| 45 | 75.8 | 255.3 | 42,600 * | | | | | | | | | | | | | | | | | | | 45 |
| 50 | 73.8 | 253.9 | 41,400 * | | | | | | | | | | | | | | | | | | | 50 |
| 55 | 71.8 | 252.4 | 39,800 * | | | | | | | | | | | | | | | | | | | 55 |
| 60 | 69.8 | 250.6 | 38,100 * | | | | | | | | | | | | | | | | | | | 60 |
| 65 | 67.7 | 248.7 | 36,500 * | | | | | | | | | | | | | | | | | | | 65 |
| 70 | 65.6 | 246.5 | 34,900 * | 69.3 | 249.4 | 37,700 * | | | | | | | | | | | | | | | | 70 |
| 75 | 63.5 | 244.2 | 33,400 * | 67.3 | 247.4 | 35,600 | | | | | | | | | | | | | | | | 75 |
| 80 | 61.4 | 241.5 | 31,900 * | 65.2 | 245.2 | 32,700 | 67.4 | 246.7 | 31,000 | | | | | | | | | | | | | 80 |
| 85 | 59.2 | 238.7 | 30,400 * | 63.0 | 242.8 | 30,100 | 65.3 | 244.5 | 28,600 | | | | | | | | | | | | | 85 |
| 90 | 56.9 | 235.6 | 29,100 * | 60.9 | 240.1 | 27,900 | 63.2 | 242.1 | 26,500 | | | | | | | | | | | | | 90 |
| 95 | 54.6 | 232.2 | 27,700 * | 58.7 | 237.2 | 25,900 | 61.0 | 239.5 | 24,600 | | | | | | | | | | | | | 95 |
| 100 | 52.2 | 228.4 | 26,300 | 56.4 | 234.0 | 24,200 | 58.8 | 236.6 | 22,900 | 62.6 | 239.4 | 20,800 | | | | | | | | | | 100 |
| 105 | 49.8 | 224.4 | 24,600 | 54.1 | 230.6 | 22,600 | 56.5 | 233.4 | 21,400 | 60.4 | 236.7 | 19,400 | | | | | | | | | | 105 |
| 110 | 47.2 | 220.0 | 23,100 | 51.7 | 226.8 | 21,200 | 54.2 | 229.9 | 20,000 | 58.2 | 233.7 | 18,100 | | | | | | | | | | 110 |
| 115 | 44.5 | 215.1 | 21,700 | 49.2 | 222.7 | 19,900 | 51.8 | 226.2 | 18,800 | 55.9 | 230.5 | 17,000 | | | | | | | | | | 115 |
| 120 | 41.8 | 209.8 | 20,400 | 46.6 | 218.1 | 18,700 | 49.4 | 222.1 | 17,600 | 53.6 | 227.0 | 15,900 | 57.5 | 230.0 | 14,200 | | | | | | | 120 |
| 125 | 38.8 | 203.9 | 19,300 | 43.9 | 213.2 | 17,600 | 46.8 | 217.6 | 16,600 | 51.2 | 223.1 | 15,000 | 55.2 | 226.7 | 13,300 | | | | | | | 125 |
| 130 | 35.6 | 197.3 | 18,200 | 41.1 | 207.7 | 16,600 | 44.1 | 212.7 | 15,700 | 48.7 | 218.9 | 14,100 | 52.9 | 223.1 | 12,500 | | | | | | | 130 |
| 135 | 32.2 | 189.9 | 17,200 | 38.1 | 201.7 | 15,700 | 41.3 | 207.2 | 14,800 | 46.1 | 214.3 | 13,300 | 50.5 | 219.1 | 11,800 | | | | | | | 135 |
| 140 | 28.4 | 181.3 | 16,300 | 34.9 | 195.0 | 14,900 | 38.3 | 201.2 | 14,000 | 43.4 | 209.3 | 12,500 | 47.9 | 214.8 | 11,100 | 52.0 | 218.2 | 9,700 | | | | 140 |
| 145 | 24.1 | 171.2 | 15,500 | 31.4 | 187.3 | 14,100 | 35.1 | 194.5 | 13,200 | 40.5 | 203.7 | 11,800 | 45.3 | 210.1 | 10,500 | 49.6 | 214.1 | 9,100 | | | | 145 |
| 150 | 18.9 | 158.5 | 14,700 | 27.5 | 178.5 | 13,300 | 31.6 | 186.9 | 12,500 | 37.5 | 197.6 | 11,200 | 42.5 | 204.9 | 9,900 | 47.0 | 209.7 | 8,600 | | | | 150 |
| 155 | 11.7 | 140.2 | 13,500 * | 23.1 | 167.9 | 12,600 | 27.8 | 178.2 | 11,900 | 34.2 | 190.6 | 10,600 | 39.6 | 199.2 | 9,300 | 44.3 | 204.8 | 8,100 | | | | 155 |
| 160 | | | | 17.6 | 154.4 | 12,000 | 23.4 | 167.7 | 11,300 | 30.7 | 182.8 | 10,000 | 36.5 | 192.8 | 8,800 | 41.5 | 199.4 | 7,600 | 45.9 | 203.5 | 6,400 | 160 |
| 165 | | | | 9.4 | 133.5 | 11,400 | 17.9 | 154.5 | 10,700 | 26.7 | 173.6 | 9,500 | 33.2 | 185.6 | 8,300 | 38.6 | 193.5 | 7,100 | 43.2 | 198.4 | 6,000 | 165 |
| 170 | | | | | | | 10.0 | 134.4 | 10,100 | 22.1 | 162.6 | 9,000 | 29.5 | 177.4 | 7,800 | 35.4 | 186.8 | 6,700 | 40.3 | 192.8 | 5,600 | 170 |
| 175 | | | | | | | | | | 16.3 | 148.2 | 8,500 | 25.4 | 167.8 | 7,400 | 31.9 | 179.3 | 6,300 | 37.2 | 186.5 | 5,200 | 175 |
| 180 | | | | | | | | | | 6.6 | 123.5 | 8,000 | 20.5 | 156.0 | 7,000 | 28.1 | 170.7 | 5,900 | 34.0 | 179.6 | 4,900 | 180 |
| 190 | | | | | | | | | | | | | | | | 18.4 | 147.4 | 5,200 | 26.4 | 162.4 | 4,300 | 190 |



Liftcrane Luffing Jib Capacities

777 SERIES 1

New York City Code
 Luffing Jib No. 139 on Boom No. 78
 105,000 Lb. Counterweight
 360 Degree Rating

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

100 Ft. Boom, 160 Ft. Jib

| Jib Oper. Rad. Feet | 88 Degree Boom Angle | | | 83 Degree Boom Angle | | | 80 Degree Boom Angle | | | 75 Degree Boom Angle | | | 70 Degree Boom Angle | | | Jib Oper. Rad. Feet |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | |
| 50 | 74.8 | 264.3 | 38,100 * | | | | | | | | | | | | | 50 |
| 55 | 73.0 | 262.9 | 36,400 * | | | | | | | | | | | | | 55 |
| 60 | 71.1 | 261.2 | 34,900 * | | | | | | | | | | | | | 60 |
| 65 | 69.2 | 259.4 | 33,300 * | | | | | | | | | | | | | 65 |
| 70 | 67.2 | 257.4 | 31,800 * | 70.7 | 260.1 | 33,900 | | | | | | | | | | 70 |
| 75 | 65.3 | 255.2 | 30,400 * | 68.7 | 258.2 | 30,700 | | | | | | | | | | 75 |
| 80 | 63.3 | 252.8 | 28,900 * | 66.8 | 256.2 | 27,900 | | | | | | | | | | 80 |
| 85 | 61.3 | 250.2 | 27,500 * | 64.8 | 253.9 | 25,500 | 66.9 | 255.5 | 23,500 | | | | | | | 85 |
| 90 | 59.2 | 247.3 | 26,200 * | 62.9 | 251.5 | 23,400 | 65.0 | 253.2 | 21,500 | | | | | | | 90 |
| 95 | 57.1 | 244.2 | 24,500 | 60.8 | 248.8 | 21,600 | 63.0 | 250.8 | 19,800 | | | | | | | 95 |
| 100 | 54.9 | 240.9 | 22,700 | 58.7 | 245.9 | 19,900 | 60.9 | 248.1 | 18,200 | | | | | | | 100 |
| 105 | 52.7 | 237.2 | 21,100 | 56.6 | 242.7 | 18,400 | 58.9 | 245.2 | 16,800 | 62.4 | 248.1 | 14,200 | | | | 105 |
| 110 | 50.4 | 233.2 | 19,600 | 54.5 | 239.3 | 17,100 | 56.8 | 242.1 | 15,500 | 60.4 | 245.4 | 13,000 | | | | 110 |
| 115 | 48.1 | 228.9 | 18,300 | 52.2 | 235.6 | 15,900 | 54.6 | 238.7 | 14,400 | 58.3 | 242.4 | 12,000 | | | | 115 |
| 120 | 45.6 | 224.3 | 17,100 | 49.9 | 231.5 | 14,700 | 52.4 | 235.0 | 13,400 | 56.2 | 239.2 | 11,100 | | | | 120 |
| 125 | 43.1 | 219.1 | 16,000 | 47.5 | 227.2 | 13,700 | 50.1 | 230.9 | 12,400 | 54.0 | 235.7 | 10,200 | 57.7 | 238.7 | 8,100 | 125 |
| 130 | 40.4 | 213.5 | 14,900 | 45.1 | 222.4 | 12,800 | 47.7 | 226.6 | 11,500 | 51.8 | 231.9 | 9,400 | 55.5 | 235.4 | 7,400 | 130 |
| 135 | 37.5 | 207.3 | 14,000 | 42.5 | 217.2 | 11,900 | 45.2 | 221.8 | 10,700 | 49.5 | 227.8 | 8,700 | 53.3 | 231.8 | 6,700 | 135 |
| 140 | 34.5 | 200.5 | 13,100 | 39.8 | 211.4 | 11,100 | 42.6 | 216.6 | 10,000 | 47.1 | 223.4 | 8,000 | 51.1 | 228.0 | 6,100 | 140 |
| 145 | 31.2 | 192.7 | 12,300 | 36.9 | 205.1 | 10,400 | 39.9 | 210.9 | 9,300 | 44.6 | 218.5 | 7,400 | 48.7 | 223.7 | 5,600 | 145 |
| 150 | 27.5 | 183.8 | 11,500 | 33.8 | 198.0 | 9,700 | 37.0 | 204.6 | 8,600 | 41.9 | 213.2 | 6,800 | 46.3 | 219.2 | 5,100 | 150 |
| 155 | 23.3 | 173.3 | 10,800 | 30.4 | 190.1 | 9,100 | 34.0 | 197.6 | 8,000 | 39.2 | 207.3 | 6,300 | 43.8 | 214.2 | 4,600 | 155 |
| 160 | 18.3 | 160.1 | 10,100 | 26.6 | 180.9 | 8,500 | 30.6 | 189.7 | 7,500 | 36.3 | 200.9 | 5,800 | 41.1 | 208.7 | 4,100 | 160 |
| 165 | 11.3 | 141.2 | 9,500 | 22.3 | 169.9 | 7,900 | 26.9 | 180.6 | 6,900 | 33.1 | 193.7 | 5,300 | | | | 165 |
| 170 | | | | 17.0 | 155.9 | 7,300 | 22.6 | 169.8 | 6,400 | 29.7 | 185.5 | 4,900 | | | | 170 |
| 175 | | | | 9.1 | 134.3 | 6,800 | 17.4 | 156.0 | 5,900 | 25.8 | 176.0 | 4,400 | | | | 175 |
| 180 | | | | | | | 9.7 | 135.2 | 5,400 | 21.4 | 164.5 | 4,000 | | | | 180 |



Liftcrane Luffing Jib Capacities

New York City Code
 Luffing Jib No. 139 on Boom No. 78
 105,000 Lb. Counterweight
 360 Degree Rating

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

777 SERIES 1

100 Ft. Boom, 170 Ft. Jib

| Jib Oper. Rad. Feet | 88 Degree Boom Angle | | | 83 Degree Boom Angle | | | 80 Degree Boom Angle | | | 75 Degree Boom Angle | | | 70 Degree Boom Angle | | | Jib Oper. Rad. Feet |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | |
| 50 | 75.7 | 274.7 | 34,300 * | | | | | | | | | | | | | 50 |
| 55 | 74.0 | 273.3 | 33,600 * | | | | | | | | | | | | | 55 |
| 60 | 72.2 | 271.8 | 32,200 * | | | | | | | | | | | | | 60 |
| 65 | 70.4 | 270.1 | 30,700 * | | | | | | | | | | | | | 65 |
| 70 | 68.6 | 268.2 | 29,300 * | | | | | | | | | | | | | 70 |
| 75 | 66.8 | 266.2 | 27,900 * | 70.0 | 268.9 | 30,300 * | | | | | | | | | | 75 |
| 80 | 65.0 | 263.9 | 26,500 * | 68.2 | 267.0 | 27,600 | | | | | | | | | | 80 |
| 85 | 63.1 | 261.5 | 25,200 * | 66.4 | 264.9 | 25,200 | | | | | | | | | | 85 |
| 90 | 61.2 | 258.9 | 23,900 * | 64.6 | 262.6 | 23,100 | 66.5 | 264.2 | 21,200 | | | | | | | 90 |
| 95 | 59.3 | 256.0 | 22,700 * | 62.7 | 260.2 | 21,200 | 64.7 | 261.9 | 19,400 | | | | | | | 95 |
| 100 | 57.3 | 252.9 | 21,500 * | 60.8 | 257.5 | 19,600 | 62.8 | 259.5 | 17,900 | | | | | | | 100 |
| 105 | 55.2 | 249.6 | 20,300 * | 58.8 | 254.6 | 18,100 | 60.9 | 256.8 | 16,500 | | | | | | | 105 |
| 110 | 53.2 | 246.0 | 19,300 * | 56.8 | 251.4 | 16,700 | 58.9 | 253.9 | 15,200 | 62.3 | 256.8 | 12,700 | | | | 110 |
| 115 | 51.0 | 242.1 | 18,000 | 54.8 | 248.0 | 15,500 | 57.0 | 250.8 | 14,100 | 60.4 | 254.0 | 11,700 | | | | 115 |
| 120 | 48.8 | 237.9 | 16,800 | 52.7 | 244.3 | 14,400 | 54.9 | 247.4 | 13,000 | 58.4 | 251.1 | 10,700 | | | | 120 |
| 125 | 46.6 | 233.3 | 15,700 | 50.6 | 240.4 | 13,400 | 52.8 | 243.7 | 12,100 | 56.4 | 247.9 | 9,900 | | | | 125 |
| 130 | 44.2 | 228.4 | 14,600 | 48.3 | 236.1 | 12,500 | 50.7 | 239.8 | 11,200 | 54.4 | 244.4 | 9,100 | 57.8 | 247.4 | 7,000 | 130 |
| 135 | 41.7 | 223.0 | 13,700 | 46.0 | 231.5 | 11,600 | 48.5 | 235.5 | 10,400 | 52.3 | 240.7 | 8,400 | 55.8 | 244.1 | 6,400 | 135 |
| 140 | 39.1 | 217.1 | 12,800 | 43.7 | 226.5 | 10,800 | 46.2 | 230.9 | 9,700 | 50.1 | 236.7 | 7,700 | 53.8 | 240.6 | 5,800 | 140 |
| 145 | 36.4 | 210.7 | 12,000 | 41.2 | 221.0 | 10,100 | 43.8 | 225.9 | 9,000 | 47.9 | 232.3 | 7,100 | 51.6 | 236.8 | 5,200 | 145 |
| 150 | 33.4 | 203.5 | 11,300 | 38.5 | 215.0 | 9,400 | 41.3 | 220.5 | 8,300 | 45.6 | 227.6 | 6,500 | 49.5 | 232.6 | 4,700 | 150 |
| 155 | 30.2 | 195.4 | 10,500 | 35.7 | 208.4 | 8,800 | 38.7 | 214.5 | 7,700 | 43.2 | 222.5 | 6,000 | 47.2 | 228.2 | 4,200 | 155 |
| 160 | 26.7 | 186.2 | 9,900 | 32.7 | 201.0 | 8,200 | 35.9 | 207.9 | 7,100 | 40.6 | 217.0 | 5,500 | | | | 160 |
| 165 | 22.6 | 175.3 | 9,300 | 29.5 | 192.7 | 7,600 | 32.9 | 200.6 | 6,600 | 38.0 | 210.8 | 5,000 | | | | 165 |
| 170 | 17.8 | 161.7 | 8,700 | 25.8 | 183.2 | 7,100 | 29.7 | 192.4 | 6,100 | 35.1 | 204.1 | 4,500 | | | | 170 |
| 175 | 10.9 | 142.2 | 8,100 | 21.7 | 171.8 | 6,600 | 26.1 | 183.0 | 5,600 | 32.1 | 196.6 | 4,100 | | | | 175 |
| 180 | | | | 16.5 | 157.4 | 6,100 | 21.9 | 171.7 | 5,200 | | | | | | | 180 |
| 190 | | | | | | | 9.4 | 136.1 | 4,300 | | | | | | | 190 |



Liftcrane Luffing Jib Capacities

777 SERIES 1

**New York City Code
Luffing Jib No. 139 on Boom No. 78
105,000 Lb. Counterweight
360 Degree Rating**

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

110 Ft. Boom, 70 Ft. Jib

| Jib Oper. Rad. Feet | 88 Degree Boom Angle | | | 83 Degree Boom Angle | | | 80 Degree Boom Angle | | | 75 Degree Boom Angle | | | 70 Degree Boom Angle | | | 65 Degree Boom Angle | | | 60 Degree Boom Angle | | | Jib Oper. Rad. Feet |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | |
| 35 | 67.7 | 184.7 | 98,200 *b | | | | | | | | | | | | | | | | | | | 35 |
| 40 | 63.2 | 182.4 | 89,600 b | | | | | | | | | | | | | | | | | | | 40 |
| 45 | 58.5 | 179.6 | 76,700 | 67.5 | 183.7 | 71,300 b | | | | | | | | | | | | | | | | 45 |
| 50 | 53.6 | 176.2 | 66,800 | 63.0 | 181.4 | 62,100 b | | | | | | | | | | | | | | | | 50 |
| 55 | 48.3 | 172.2 | 59,100 | 58.3 | 178.6 | 54,900 | 63.7 | 180.9 | 52,400 b | | | | | | | | | | | | | 55 |
| 60 | 42.6 | 167.2 | 52,900 | 53.3 | 175.2 | 49,100 | 59.1 | 178.2 | 46,900 | | | | | | | | | | | | | 60 |
| 65 | 36.1 | 161.1 | 47,800 | 48.1 | 171.1 | 44,400 | 54.2 | 174.9 | 42,300 | | | | | | | | | | | | | 65 |
| 70 | 28.4 | 153.2 | 43,500 | 42.3 | 166.1 | 40,400 | 48.9 | 170.9 | 38,500 | 58.7 | 175.7 | 35,400 | | | | | | | | | | 70 |
| 75 | 18.0 | 141.6 | 39,800 | 35.8 | 160.0 | 37,000 | 43.3 | 166.1 | 35,200 | 53.7 | 172.3 | 32,400 | | | | | | | | | | 75 |
| 80 | | | | 28.0 | 151.9 | 34,000 | 36.9 | 160.1 | 32,400 | 48.5 | 168.3 | 29,800 | 58.0 | 172.2 | 27,200 | | | | | | | 80 |
| 85 | | | | 17.4 | 140.0 | 31,400 | 29.4 | 152.5 | 30,000 | 42.7 | 163.4 | 27,500 | 53.0 | 168.8 | 25,100 | | | | | | | 85 |
| 90 | | | | | | | 19.5 | 141.5 | 27,800 | 36.3 | 157.3 | 25,500 | 47.7 | 164.7 | 23,200 | | | | | | | 90 |
| 95 | | | | | | | | | | 28.7 | 149.5 | 23,700 | 41.9 | 159.6 | 21,600 | 52.0 | 164.2 | 19,500 | | | | 95 |
| 100 | | | | | | | | | | 18.4 | 138.0 | 22,100 | 35.4 | 153.4 | 20,200 | 46.6 | 159.9 | 18,200 | | | | 100 |
| 105 | | | | | | | | | | | | | 27.5 | 145.2 | 18,800 | 40.7 | 154.7 | 17,000 | | | | 105 |
| 110 | | | | | | | | | | | | | 16.6 | 132.8 | 17,600 | 34.0 | 148.1 | 15,900 | 45.1 | 154.0 | 14,200 | 110 |
| 115 | | | | | | | | | | | | | | | | 25.7 | 139.4 | 14,900 | 39.0 | 148.5 | 13,300 | 115 |
| 120 | | | | | | | | | | | | | | | | 13.5 | 125.4 | 14,000 | 31.9 | 141.4 | 12,500 | 120 |
| 125 | | | | | | | | | | | | | | | | | | | 23.1 | 131.8 | 11,700 | 125 |
| 130 | | | | | | | | | | | | | | | | | | | 7.5 | 113.5 | 10,900 | 130 |



Liftcrane Luffing Jib Capacities

777 SERIES 1

New York City Code
 Luffing Jib No. 139 on Boom No. 78
 105,000 Lb. Counterweight
 360 Degree Rating

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

110 Ft. Boom, 80 Ft. Jib

| Jib Oper. Rad. Feet | 88 Degree Boom Angle | | | 83 Degree Boom Angle | | | 80 Degree Boom Angle | | | 75 Degree Boom Angle | | | 70 Degree Boom Angle | | | 65 Degree Boom Angle | | | 60 Degree Boom Angle | | | Jib Oper. Rad. Feet |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | |
| 35 | 70.6 | 195.4 | 87,000 *b | | | | | | | | | | | | | | | | | | | 35 |
| 40 | 66.8 | 193.4 | 83,800 *b | | | | | | | | | | | | | | | | | | | 40 |
| 45 | 62.8 | 191.1 | 76,400 | 70.4 | 194.4 | 71,000 b | | | | | | | | | | | | | | | | 45 |
| 50 | 58.7 | 188.3 | 66,600 | 66.6 | 192.4 | 61,800 b | | | | | | | | | | | | | | | | 50 |
| 55 | 54.4 | 184.9 | 58,900 | 62.6 | 190.1 | 54,600 | 67.2 | 191.9 | 52,100 b | | | | | | | | | | | | | 55 |
| 60 | 49.9 | 181.1 | 52,700 | 58.5 | 187.3 | 48,800 | 63.3 | 189.6 | 46,500 | | | | | | | | | | | | | 60 |
| 65 | 45.0 | 176.5 | 47,600 | 54.2 | 183.9 | 44,100 | 59.2 | 186.8 | 42,000 | | | | | | | | | | | | | 65 |
| 70 | 39.7 | 171.0 | 43,300 | 49.7 | 180.0 | 40,100 | 54.9 | 183.6 | 38,200 | 62.9 | 187.1 | 35,000 | | | | | | | | | | 70 |
| 75 | 33.7 | 164.3 | 39,600 | 44.8 | 175.4 | 36,700 | 50.4 | 179.8 | 34,900 | 58.8 | 184.3 | 32,000 | | | | | | | | | | 75 |
| 80 | 26.6 | 155.7 | 36,500 | 39.4 | 169.9 | 33,800 | 45.6 | 175.3 | 32,100 | 54.5 | 181.1 | 29,400 | | | | | | | | | | 80 |
| 85 | 16.9 | 143.1 | 33,700 | 33.4 | 163.1 | 31,200 | 40.3 | 169.9 | 29,700 | 50.0 | 177.2 | 27,100 | | | | | | | | | | 85 |
| 90 | | | | 26.2 | 154.3 | 28,900 | 34.4 | 163.4 | 27,500 | 45.2 | 172.6 | 25,200 | 53.9 | 177.5 | 22,800 | | | | | | | 90 |
| 95 | | | | 16.3 | 141.5 | 26,900 | 27.5 | 155.0 | 25,600 | 39.8 | 167.2 | 23,400 | 49.4 | 173.6 | 21,200 | | | | | | | 95 |
| 100 | | | | | | | 18.3 | 143.2 | 23,900 | 33.9 | 160.5 | 21,800 | 44.5 | 168.9 | 19,800 | | | | | | | 100 |
| 105 | | | | | | | | | | 26.8 | 151.9 | 20,400 | 39.1 | 163.3 | 18,500 | 48.4 | 168.9 | 16,600 | | | | 105 |
| 110 | | | | | | | | | | 17.2 | 139.6 | 19,100 | 33.0 | 156.4 | 17,300 | 43.5 | 164.1 | 15,500 | | | | 110 |
| 115 | | | | | | | | | | | | | 25.7 | 147.5 | 16,200 | 38.0 | 158.3 | 14,500 | 47.1 | 163.1 | 12,900 | 115 |
| 120 | | | | | | | | | | | | | 15.5 | 134.2 | 15,200 | 31.7 | 151.1 | 13,600 | 42.0 | 158.0 | 12,100 | 120 |
| 125 | | | | | | | | | | | | | | | | 24.0 | 141.6 | 12,800 | 36.4 | 151.9 | 11,300 | 125 |
| 130 | | | | | | | | | | | | | | | | 12.6 | 126.5 | 12,000 | 29.8 | 144.2 | 10,600 | 130 |
| 135 | | | | | | | | | | | | | | | | | | | 21.6 | 133.8 | 10,000 | 135 |
| 140 | | | | | | | | | | | | | | | | | | | 7.0 | 114.1 | 9,300 | 140 |



Liftcrane Luffing Jib Capacities

777 SERIES 1

**New York City Code
Luffing Jib No. 139 on Boom No. 78
105,000 Lb. Counterweight
360 Degree Rating**

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

110 Ft. Boom, 90 Ft. Jib

| Jib Oper. Rad. Feet | 88 Degree Boom Angle | | | 83 Degree Boom Angle | | | 80 Degree Boom Angle | | | 75 Degree Boom Angle | | | 70 Degree Boom Angle | | | 65 Degree Boom Angle | | | 60 Degree Boom Angle | | | Jib Oper. Rad. Feet |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | |
| 35 | 72.8 | 205.9 | 80,200 *b | | | | | | | | | | | | | | | | | | | 35 |
| 40 | 69.5 | 204.2 | 77,300 *b | | | | | | | | | | | | | | | | | | | 40 |
| 45 | 66.0 | 202.1 | 74,000 * | | | | | | | | | | | | | | | | | | | 45 |
| 50 | 62.5 | 199.7 | 66,400 | 69.3 | 203.2 | 61,600 b | | | | | | | | | | | | | | | | 50 |
| 55 | 58.8 | 196.9 | 58,700 | 65.9 | 201.2 | 54,400 | | | | | | | | | | | | | | | | 55 |
| 60 | 55.1 | 193.7 | 52,500 | 62.3 | 198.7 | 48,600 | 66.4 | 200.6 | 46,300 | | | | | | | | | | | | | 60 |
| 65 | 51.1 | 189.9 | 47,400 | 58.7 | 195.9 | 43,900 | 62.9 | 198.2 | 41,700 | | | | | | | | | | | | | 65 |
| 70 | 46.8 | 185.5 | 43,100 | 54.9 | 192.6 | 39,900 | 59.3 | 195.5 | 37,900 | | | | | | | | | | | | | 70 |
| 75 | 42.3 | 180.5 | 39,500 | 50.9 | 188.9 | 36,500 | 55.5 | 192.3 | 34,700 | 62.6 | 195.8 | 31,700 | | | | | | | | | | 75 |
| 80 | 37.3 | 174.5 | 36,300 | 46.6 | 184.5 | 33,600 | 51.5 | 188.6 | 31,900 | 59.0 | 193.0 | 29,100 | | | | | | | | | | 80 |
| 85 | 31.7 | 167.2 | 33,600 | 42.1 | 179.4 | 31,000 | 47.4 | 184.3 | 29,500 | 55.2 | 189.8 | 26,900 | | | | | | | | | | 85 |
| 90 | 25.0 | 158.0 | 31,200 | 37.1 | 173.3 | 28,800 | 42.9 | 179.3 | 27,300 | 51.2 | 186.0 | 24,900 | | | | | | | | | | 90 |
| 95 | 15.9 | 144.5 | 29,000 | 31.4 | 166.0 | 26,800 | 37.9 | 173.5 | 25,400 | 47.0 | 181.7 | 23,200 | 54.6 | 186.3 | 21,000 | | | | | | | 95 |
| 100 | | | | 24.7 | 156.6 | 25,000 | 32.4 | 166.4 | 23,800 | 42.4 | 176.6 | 21,600 | 50.6 | 182.4 | 19,500 | | | | | | | 100 |
| 105 | | | | 15.4 | 142.9 | 23,400 | 25.9 | 157.4 | 22,200 | 37.5 | 170.7 | 20,200 | 46.4 | 178.0 | 18,200 | | | | | | | 105 |
| 110 | | | | | | | 17.2 | 144.7 | 20,800 | 31.9 | 163.4 | 19,000 | 41.8 | 172.9 | 17,100 | 49.8 | 177.8 | 15,200 | | | | 110 |
| 115 | | | | | | | | | | 25.2 | 154.3 | 17,800 | 36.8 | 166.7 | 16,000 | 45.5 | 173.2 | 14,300 | | | | 115 |
| 120 | | | | | | | | | | 16.2 | 141.0 | 16,700 | 31.1 | 159.3 | 15,100 | 40.9 | 167.9 | 13,400 | | | | 120 |
| 125 | | | | | | | | | | | | | 24.2 | 149.8 | 14,200 | 35.7 | 161.6 | 12,600 | 44.3 | 167.3 | 11,100 | 125 |
| 130 | | | | | | | | | | | | | 14.6 | 135.6 | 13,300 | 29.8 | 153.8 | 11,800 | 39.5 | 161.7 | 10,400 | 130 |
| 135 | | | | | | | | | | | | | | | | 22.6 | 143.7 | 11,100 | 34.2 | 155.1 | 9,700 | 135 |
| 140 | | | | | | | | | | | | | | | | 11.9 | 127.6 | 10,500 | 28.1 | 146.8 | 9,200 | 140 |
| 145 | | | | | | | | | | | | | | | | | | | 20.3 | 135.7 | 8,600 | 145 |
| 150 | | | | | | | | | | | | | | | | | | | 6.6 | 114.7 | 8,000 | 150 |



Liftcrane Luffing Jib Capacities

777 SERIES 1

New York City Code
 Luffing Jib No. 139 on Boom No. 78
 105,000 Lb. Counterweight
 360 Degree Rating

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

110 Ft. Boom, 100 Ft. Jib

| Jib Oper. Rad. Feet | 88 Degree Boom Angle | | | 83 Degree Boom Angle | | | 80 Degree Boom Angle | | | 75 Degree Boom Angle | | | 70 Degree Boom Angle | | | 65 Degree Boom Angle | | | 60 Degree Boom Angle | | | Jib Oper. Rad. Feet |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | |
| 35 | 74.6 | 216.3 | 73,700 *b | | | | | | | | | | | | | | | | | | | 35 |
| 40 | 71.6 | 214.8 | 71,200 *b | | | | | | | | | | | | | | | | | | | 40 |
| 45 | 68.6 | 213.0 | 68,800 * | | | | | | | | | | | | | | | | | | | 45 |
| 50 | 65.4 | 210.8 | 65,900 * | | | | | | | | | | | | | | | | | | | 50 |
| 55 | 62.3 | 208.4 | 58,500 | 68.4 | 212.0 | 54,100 | | | | | | | | | | | | | | | | 55 |
| 60 | 59.0 | 205.6 | 52,300 | 65.3 | 209.9 | 48,300 | | | | | | | | | | | | | | | | 60 |
| 65 | 55.6 | 202.4 | 47,200 | 62.1 | 207.4 | 43,500 | 65.8 | 209.3 | 41,400 | | | | | | | | | | | | | 65 |
| 70 | 52.0 | 198.7 | 42,900 | 58.8 | 204.6 | 39,600 | 62.6 | 206.9 | 37,600 | | | | | | | | | | | | | 70 |
| 75 | 48.3 | 194.5 | 39,200 | 55.4 | 201.3 | 36,200 | 59.4 | 204.1 | 34,300 | | | | | | | | | | | | | 75 |
| 80 | 44.3 | 189.7 | 36,100 | 51.8 | 197.7 | 33,300 | 56.0 | 201.0 | 31,600 | 62.3 | 204.5 | 28,700 | | | | | | | | | | 80 |
| 85 | 40.0 | 184.2 | 33,400 | 48.1 | 193.5 | 30,700 | 52.4 | 197.4 | 29,100 | 59.1 | 201.7 | 26,500 | | | | | | | | | | 85 |
| 90 | 35.4 | 177.8 | 31,000 | 44.1 | 188.7 | 28,500 | 48.7 | 193.3 | 27,000 | 55.7 | 198.5 | 24,500 | | | | | | | | | | 90 |
| 95 | 30.1 | 170.0 | 28,900 | 39.8 | 183.1 | 26,500 | 44.8 | 188.6 | 25,100 | 52.1 | 194.8 | 22,800 | | | | | | | | | | 95 |
| 100 | 23.7 | 160.1 | 26,900 | 35.1 | 176.6 | 24,800 | 40.6 | 183.1 | 23,400 | 48.4 | 190.7 | 21,300 | 55.2 | 195.0 | 19,100 | | | | | | | 100 |
| 105 | 15.1 | 145.9 | 25,200 | 29.8 | 168.7 | 23,200 | 35.9 | 176.8 | 21,900 | 44.4 | 185.9 | 19,900 | 51.6 | 191.3 | 17,800 | | | | | | | 105 |
| 110 | | | | 23.4 | 158.7 | 21,700 | 30.7 | 169.2 | 20,600 | 40.2 | 180.4 | 18,600 | 47.9 | 187.0 | 16,700 | | | | | | | 110 |
| 115 | | | | 14.6 | 144.2 | 20,400 | 24.5 | 159.6 | 19,300 | 35.5 | 174.0 | 17,500 | 43.9 | 182.2 | 15,600 | 50.9 | 186.6 | 13,900 | | | | 115 |
| 120 | | | | | | | 16.3 | 146.2 | 18,200 | 30.2 | 166.2 | 16,400 | 39.6 | 176.6 | 14,700 | 47.1 | 182.3 | 13,000 | | | | 120 |
| 125 | | | | | | | | | | 23.9 | 156.4 | 15,500 | 34.8 | 170.0 | 13,800 | 43.1 | 177.3 | 12,200 | | | | 125 |
| 130 | | | | | | | | | | 15.4 | 142.4 | 14,600 | 29.4 | 162.0 | 13,000 | 38.7 | 171.5 | 11,500 | 46.0 | 176.4 | 9,900 | 130 |
| 135 | | | | | | | | | | | | | 22.9 | 151.8 | 12,200 | 33.8 | 164.7 | 10,800 | 41.9 | 171.2 | 9,300 | 135 |
| 140 | | | | | | | | | | | | | 13.9 | 136.8 | 11,500 | 28.3 | 156.4 | 10,100 | 37.4 | 165.2 | 8,800 | 140 |
| 145 | | | | | | | | | | | | | | | | 21.5 | 145.6 | 9,500 | 32.4 | 158.0 | 8,200 | 145 |
| 150 | | | | | | | | | | | | | | | | 11.3 | 128.6 | 8,900 | 26.6 | 149.2 | 7,700 | 150 |
| 155 | | | | | | | | | | | | | | | | | | | 19.3 | 137.4 | 7,200 | 155 |
| 160 | | | | | | | | | | | | | | | | | | | 6.2 | 115.3 | 6,700 | 160 |



Liftcrane Luffing Jib Capacities

777 SERIES 1

**New York City Code
Luffing Jib No. 139 on Boom No. 78
105,000 Lb. Counterweight
360 Degree Rating**

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

110 Ft. Boom, 110 Ft. Jib

| Jib Oper. Rad. Feet | 88 Degree Boom Angle | | | 83 Degree Boom Angle | | | 80 Degree Boom Angle | | | 75 Degree Boom Angle | | | 70 Degree Boom Angle | | | 65 Degree Boom Angle | | | 60 Degree Boom Angle | | | Jib Oper. Rad. Feet |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | |
| 35 | 76.0 | 226.6 | 67,900 *b | | | | | | | | | | | | | | | | | | | 35 |
| 40 | 73.3 | 225.3 | 65,800 * | | | | | | | | | | | | | | | | | | | 40 |
| 45 | 70.6 | 223.6 | 63,600 * | | | | | | | | | | | | | | | | | | | 45 |
| 50 | 67.8 | 221.7 | 61,100 * | | | | | | | | | | | | | | | | | | | 50 |
| 55 | 65.0 | 219.6 | 58,400 | 70.5 | 222.7 | 54,000 | | | | | | | | | | | | | | | | 55 |
| 60 | 62.1 | 217.1 | 52,200 | 67.7 | 220.8 | 48,200 | | | | | | | | | | | | | | | | 60 |
| 65 | 59.1 | 214.2 | 47,100 | 64.8 | 218.6 | 43,500 | | | | | | | | | | | | | | | | 65 |
| 70 | 56.0 | 211.1 | 42,800 | 61.9 | 216.1 | 39,500 | 65.3 | 218.0 | 37,500 | | | | | | | | | | | | | 70 |
| 75 | 52.8 | 207.5 | 39,200 | 58.9 | 213.2 | 36,100 | 62.4 | 215.6 | 34,300 | | | | | | | | | | | | | 75 |
| 80 | 49.4 | 203.4 | 36,100 | 55.8 | 210.0 | 33,200 | 59.4 | 212.8 | 31,500 | | | | | | | | | | | | | 80 |
| 85 | 45.9 | 198.9 | 33,400 | 52.6 | 206.4 | 30,700 | 56.3 | 209.7 | 29,100 | 62.1 | 213.1 | 26,400 | | | | | | | | | | 85 |
| 90 | 42.1 | 193.7 | 31,000 | 49.3 | 202.4 | 28,500 | 53.1 | 206.1 | 27,000 | 59.1 | 210.3 | 24,500 | | | | | | | | | | 90 |
| 95 | 38.1 | 187.8 | 28,900 | 45.7 | 197.8 | 26,500 | 49.8 | 202.2 | 25,100 | 56.1 | 207.2 | 22,700 | | | | | | | | | | 95 |
| 100 | 33.7 | 180.9 | 27,000 | 42.0 | 192.6 | 24,700 | 46.3 | 197.7 | 23,400 | 52.9 | 203.6 | 21,200 | | | | | | | | | | 100 |
| 105 | 28.6 | 172.6 | 25,300 | 37.9 | 186.6 | 23,200 | 42.6 | 192.6 | 21,900 | 49.5 | 199.6 | 19,800 | 55.6 | 203.7 | 17,800 | | | | | | | 105 |
| 110 | 22.6 | 162.2 | 23,700 | 33.4 | 179.7 | 21,700 | 38.6 | 186.7 | 20,500 | 46.0 | 195.0 | 18,600 | 52.4 | 200.0 | 16,600 | | | | | | | 110 |
| 115 | 14.4 | 147.2 | 22,300 | 28.4 | 171.3 | 20,400 | 34.2 | 179.9 | 19,300 | 42.3 | 189.9 | 17,400 | 49.1 | 196.0 | 15,600 | | | | | | | 115 |
| 120 | | | | 22.3 | 160.7 | 19,300 | 29.3 | 171.9 | 18,200 | 38.2 | 184.0 | 16,400 | 45.5 | 191.3 | 14,600 | 51.8 | 195.4 | 12,900 | | | | 120 |
| 125 | | | | 13.9 | 145.4 | 18,100 | 23.4 | 161.7 | 17,100 | 33.8 | 177.1 | 15,400 | 41.7 | 186.1 | 13,800 | 48.4 | 191.3 | 12,100 | | | | 125 |
| 130 | | | | | | | 15.5 | 147.6 | 16,200 | 28.8 | 168.8 | 14,600 | 37.7 | 180.1 | 13,000 | 44.8 | 186.5 | 11,400 | | | | 130 |
| 135 | | | | | | | | | | 22.8 | 158.5 | 13,700 | 33.2 | 173.0 | 12,200 | 41.0 | 181.1 | 10,700 | 47.4 | 185.4 | 9,300 | 135 |
| 140 | | | | | | | | | | 14.7 | 143.7 | 13,000 | 28.0 | 164.6 | 11,500 | 36.8 | 174.9 | 10,100 | 43.8 | 180.5 | 8,700 | 140 |
| 145 | | | | | | | | | | | | | 21.9 | 153.8 | 10,900 | 32.2 | 167.7 | 9,500 | 39.9 | 175.0 | 8,200 | 145 |
| 150 | | | | | | | | | | | | | 13.2 | 138.0 | 10,300 | 26.9 | 158.9 | 9,000 | 35.6 | 168.5 | 7,700 | 150 |
| 155 | | | | | | | | | | | | | | | | 20.5 | 147.5 | 8,400 | 30.9 | 160.9 | 7,200 | 155 |
| 160 | | | | | | | | | | | | | | | | 10.8 | 129.6 | 7,900 | 25.4 | 151.5 | 6,800 | 160 |
| 165 | | | | | | | | | | | | | | | | | | | 18.3 | 139.1 | 6,400 | 165 |
| 170 | | | | | | | | | | | | | | | | | | | 5.9 | 115.8 | 5,900 | 170 |



Liftcrane Luffing Jib Capacities

777 SERIES 1

New York City Code
 Luffing Jib No. 139 on Boom No. 78
 105,000 Lb. Counterweight
 360 Degree Rating

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

110 Ft. Boom, 120 Ft. Jib

| Jib Oper. Rad. Feet | 88 Degree Boom Angle | | | 83 Degree Boom Angle | | | 80 Degree Boom Angle | | | 75 Degree Boom Angle | | | 70 Degree Boom Angle | | | 65 Degree Boom Angle | | | 60 Degree Boom Angle | | | Jib Oper. Rad. Feet |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | |
| 40 | 74.8 | 235.7 | 60,600 * | | | | | | | | | | | | | | | | | | | 40 |
| 45 | 72.3 | 234.2 | 58,700 * | | | | | | | | | | | | | | | | | | | 45 |
| 50 | 69.7 | 232.5 | 56,500 * | | | | | | | | | | | | | | | | | | | 50 |
| 55 | 67.2 | 230.5 | 54,200 * | | | | | | | | | | | | | | | | | | | 55 |
| 60 | 64.6 | 228.3 | 52,000 | 69.6 | 231.5 | 47,900 | | | | | | | | | | | | | | | | 60 |
| 65 | 61.9 | 225.7 | 46,900 | 67.1 | 229.5 | 43,100 | | | | | | | | | | | | | | | | 65 |
| 70 | 59.1 | 222.9 | 42,600 | 64.4 | 227.3 | 39,200 | 67.5 | 229.0 | 37,100 | | | | | | | | | | | | | 70 |
| 75 | 56.3 | 219.7 | 39,000 | 61.8 | 224.7 | 35,800 | 64.9 | 226.7 | 33,900 | | | | | | | | | | | | | 75 |
| 80 | 53.4 | 216.2 | 35,800 | 59.0 | 221.9 | 32,900 | 62.2 | 224.3 | 31,100 | | | | | | | | | | | | | 80 |
| 85 | 50.4 | 212.3 | 33,100 | 56.2 | 218.7 | 30,400 | 59.5 | 221.5 | 28,700 | | | | | | | | | | | | | 85 |
| 90 | 47.2 | 207.9 | 30,700 | 53.3 | 215.2 | 28,200 | 56.6 | 218.3 | 26,600 | 62.0 | 221.8 | 24,100 | | | | | | | | | | 90 |
| 95 | 43.8 | 203.0 | 28,600 | 50.2 | 211.2 | 26,200 | 53.7 | 214.9 | 24,700 | 59.2 | 219.0 | 22,400 | | | | | | | | | | 95 |
| 100 | 40.3 | 197.5 | 26,700 | 47.0 | 206.8 | 24,400 | 50.7 | 211.0 | 23,100 | 56.4 | 215.8 | 20,800 | | | | | | | | | | 100 |
| 105 | 36.4 | 191.1 | 25,000 | 43.7 | 201.9 | 22,900 | 47.6 | 206.7 | 21,600 | 53.5 | 212.3 | 19,500 | | | | | | | | | | 105 |
| 110 | 32.2 | 183.8 | 23,500 | 40.1 | 196.3 | 21,500 | 44.2 | 201.8 | 20,200 | 50.4 | 208.4 | 18,200 | 56.0 | 212.4 | 16,200 | | | | | | | 110 |
| 115 | 27.4 | 175.1 | 22,100 | 36.2 | 190.0 | 20,200 | 40.7 | 196.4 | 19,000 | 47.3 | 204.1 | 17,100 | 53.1 | 208.8 | 15,200 | | | | | | | 115 |
| 120 | 21.6 | 164.1 | 20,800 | 32.0 | 182.6 | 19,000 | 36.9 | 190.1 | 17,900 | 43.9 | 199.2 | 16,100 | 50.0 | 204.8 | 14,300 | | | | | | | 120 |
| 125 | 13.8 | 148.4 | 19,600 | 27.1 | 173.8 | 17,900 | 32.7 | 183.0 | 16,900 | 40.4 | 193.6 | 15,100 | 46.8 | 200.4 | 13,400 | 52.5 | 204.2 | 11,700 | | | | 125 |
| 130 | | | | 21.3 | 162.7 | 16,900 | 28.0 | 174.4 | 15,900 | 36.5 | 187.3 | 14,200 | 43.5 | 195.4 | 12,600 | 49.4 | 200.2 | 11,000 | | | | 130 |
| 135 | | | | 13.3 | 146.6 | 16,000 | 22.4 | 163.8 | 15,000 | 32.3 | 180.0 | 13,400 | 39.9 | 189.8 | 11,900 | 46.2 | 195.6 | 10,300 | | | | 135 |
| 140 | | | | | | | 14.9 | 148.9 | 14,200 | 27.5 | 171.4 | 12,700 | 36.0 | 183.4 | 11,200 | 42.8 | 190.5 | 9,700 | | | | 140 |
| 145 | | | | | | | | | | 21.8 | 160.5 | 12,000 | 31.7 | 175.9 | 10,500 | 39.1 | 184.8 | 9,100 | 45.3 | 189.7 | 7,800 | 145 |
| 150 | | | | | | | | | | 14.0 | 145.0 | 11,300 | 26.8 | 167.0 | 10,000 | 35.2 | 178.2 | 8,600 | 41.8 | 184.5 | 7,300 | 150 |
| 155 | | | | | | | | | | | | | 20.9 | 155.7 | 9,400 | 30.8 | 170.5 | 8,100 | 38.1 | 178.5 | 6,800 | 155 |
| 160 | | | | | | | | | | | | | 12.6 | 139.1 | 8,900 | 25.8 | 161.2 | 7,600 | 34.1 | 171.6 | 6,400 | 160 |
| 165 | | | | | | | | | | | | | | | | 19.6 | 149.2 | 7,200 | 29.5 | 163.6 | 6,000 | 165 |
| 170 | | | | | | | | | | | | | | | | 10.3 | 130.5 | 6,700 | 24.3 | 153.7 | 5,600 | 170 |
| 175 | | | | | | | | | | | | | | | | | | | 17.6 | 140.6 | 5,200 | 175 |
| 180 | | | | | | | | | | | | | | | | | | | 5.7 | 116.3 | 4,800 | 180 |



Liftcrane Luffing Jib Capacities

777 SERIES 1

**New York City Code
Luffing Jib No. 139 on Boom No. 78
105,000 Lb. Counterweight
360 Degree Rating**

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

110 Ft. Boom, 130 Ft. Jib

| Jib Oper. Rad. Feet | 88 Degree Boom Angle | | | 83 Degree Boom Angle | | | 80 Degree Boom Angle | | | 75 Degree Boom Angle | | | 70 Degree Boom Angle | | | 65 Degree Boom Angle | | | 60 Degree Boom Angle | | | Jib Oper. Rad. Feet |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | |
| 40 | 76.0 | 246.0 | 49,200 * | | | | | | | | | | | | | | | | | | | 40 |
| 45 | 73.7 | 244.6 | 48,200 * | | | | | | | | | | | | | | | | | | | 45 |
| 50 | 71.4 | 243.1 | 47,400 * | | | | | | | | | | | | | | | | | | | 50 |
| 55 | 69.0 | 241.3 | 46,500 * | | | | | | | | | | | | | | | | | | | 55 |
| 60 | 66.6 | 239.2 | 44,700 * | | | | | | | | | | | | | | | | | | | 60 |
| 65 | 64.2 | 236.9 | 42,900 * | 68.9 | 240.3 | 42,900 | | | | | | | | | | | | | | | | 65 |
| 70 | 61.7 | 234.4 | 41,200 * | 66.5 | 238.3 | 38,900 | | | | | | | | | | | | | | | | 70 |
| 75 | 59.2 | 231.6 | 38,700 | 64.1 | 236.0 | 35,600 | 66.9 | 237.7 | 33,600 | | | | | | | | | | | | | 75 |
| 80 | 56.6 | 228.4 | 35,600 | 61.6 | 233.4 | 32,700 | 64.5 | 235.4 | 30,900 | | | | | | | | | | | | | 80 |
| 85 | 53.9 | 225.0 | 32,900 | 59.1 | 230.6 | 30,100 | 62.0 | 232.9 | 28,500 | | | | | | | | | | | | | 85 |
| 90 | 51.1 | 221.1 | 30,500 | 56.5 | 227.4 | 27,900 | 59.5 | 230.1 | 26,400 | | | | | | | | | | | | | 90 |
| 95 | 48.3 | 216.9 | 28,400 | 53.8 | 223.9 | 26,000 | 56.9 | 227.0 | 24,500 | 61.8 | 230.5 | 22,100 | | | | | | | | | | 95 |
| 100 | 45.2 | 212.2 | 26,500 | 51.0 | 220.1 | 24,200 | 54.2 | 223.6 | 22,800 | 59.3 | 227.7 | 20,600 | | | | | | | | | | 100 |
| 105 | 42.0 | 206.9 | 24,800 | 48.1 | 215.8 | 22,700 | 51.5 | 219.8 | 21,300 | 56.7 | 224.5 | 19,200 | | | | | | | | | | 105 |
| 110 | 38.6 | 201.0 | 23,300 | 45.1 | 211.1 | 21,200 | 48.6 | 215.6 | 20,000 | 54.0 | 221.1 | 18,000 | | | | | | | | | | 110 |
| 115 | 34.9 | 194.4 | 21,900 | 41.9 | 205.8 | 20,000 | 45.6 | 211.0 | 18,800 | 51.2 | 217.2 | 16,800 | 56.3 | 221.0 | 14,900 | | | | | | | 115 |
| 120 | 30.9 | 186.6 | 20,700 | 38.5 | 199.9 | 18,800 | 42.4 | 205.8 | 17,700 | 48.3 | 213.0 | 15,800 | 53.6 | 217.5 | 14,000 | | | | | | | 120 |
| 125 | 26.3 | 177.5 | 19,500 | 34.8 | 193.2 | 17,700 | 39.0 | 200.0 | 16,600 | 45.3 | 208.3 | 14,900 | 50.8 | 213.7 | 13,100 | | | | | | | 125 |
| 130 | 20.8 | 166.0 | 18,400 | 30.7 | 185.4 | 16,700 | 35.4 | 193.4 | 15,700 | 42.1 | 203.1 | 14,000 | 47.9 | 209.4 | 12,300 | | | | | | | 130 |
| 135 | 13.2 | 149.6 | 17,400 | 26.1 | 176.1 | 15,800 | 31.4 | 185.8 | 14,800 | 38.7 | 197.2 | 13,200 | 44.9 | 204.6 | 11,600 | 50.3 | 209.0 | 10,000 | | | | 135 |
| 140 | | | | 20.5 | 164.5 | 15,000 | 26.9 | 176.8 | 14,000 | 35.1 | 190.6 | 12,500 | 41.7 | 199.3 | 10,900 | 47.4 | 204.7 | 9,400 | | | | 140 |
| 145 | | | | 12.8 | 147.8 | 14,100 | 21.5 | 165.7 | 13,300 | 31.0 | 182.9 | 11,800 | 38.2 | 193.3 | 10,300 | 44.3 | 199.8 | 8,900 | | | | 145 |
| 150 | | | | | | | 14.3 | 150.2 | 12,600 | 26.4 | 173.8 | 11,100 | 34.5 | 186.6 | 9,700 | 41.0 | 194.4 | 8,300 | 46.5 | 198.8 | 7,000 | 150 |
| 155 | | | | | | | | | | 20.9 | 162.4 | 10,500 | 30.4 | 178.7 | 9,200 | 37.6 | 188.3 | 7,800 | 43.4 | 193.8 | 6,500 | 155 |
| 160 | | | | | | | | | | 13.5 | 146.2 | 9,900 | 25.7 | 169.3 | 8,700 | 33.8 | 181.3 | 7,400 | 40.1 | 188.2 | 6,100 | 160 |
| 165 | | | | | | | | | | | | | 20.1 | 157.5 | 8,200 | 29.6 | 173.2 | 6,900 | 36.6 | 181.9 | 5,700 | 165 |
| 170 | | | | | | | | | | | | | 12.1 | 140.2 | 7,700 | 24.7 | 163.4 | 6,500 | 32.7 | 174.6 | 5,400 | 170 |
| 175 | | | | | | | | | | | | | | | | 18.8 | 150.9 | 6,100 | 28.4 | 166.2 | 5,000 | 175 |
| 180 | | | | | | | | | | | | | | | | 9.9 | 131.4 | 5,700 | 23.3 | 155.8 | 4,700 | 180 |
| 190 | | | | | | | | | | | | | | | | | | | 5.5 | 116.8 | 4,000 | 190 |



Liftcrane Luffing Jib Capacities

New York City Code
 Luffing Jib No. 139 on Boom No. 78
 105,000 Lb. Counterweight
 360 Degree Rating

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

777 SERIES 1

110 Ft. Boom, 140 Ft. Jib

| Jib Oper. Rad. Feet | 88 Degree Boom Angle | | | 83 Degree Boom Angle | | | 80 Degree Boom Angle | | | 75 Degree Boom Angle | | | 70 Degree Boom Angle | | | 65 Degree Boom Angle | | | 60 Degree Boom Angle | | | Jib Oper. Rad. Feet |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | |
| 45 | 74.9 | 255.0 | 45,000 * | | | | | | | | | | | | | | | | | | | 45 |
| 50 | 72.7 | 253.6 | 44,200 * | | | | | | | | | | | | | | | | | | | 50 |
| 55 | 70.6 | 251.9 | 42,800 * | | | | | | | | | | | | | | | | | | | 55 |
| 60 | 68.4 | 250.1 | 41,100 * | | | | | | | | | | | | | | | | | | | 60 |
| 65 | 66.2 | 248.0 | 39,400 * | 70.5 | 251.0 | 42,600 | | | | | | | | | | | | | | | | 65 |
| 70 | 63.9 | 245.6 | 37,800 * | 68.3 | 249.1 | 38,600 | | | | | | | | | | | | | | | | 70 |
| 75 | 61.6 | 243.1 | 36,200 * | 66.1 | 247.0 | 35,200 | | | | | | | | | | | | | | | | 75 |
| 80 | 59.3 | 240.2 | 34,700 * | 63.8 | 244.7 | 32,300 | 66.4 | 246.4 | 30,500 | | | | | | | | | | | | | 80 |
| 85 | 56.9 | 237.1 | 32,600 | 61.5 | 242.1 | 29,800 | 64.2 | 244.1 | 28,100 | | | | | | | | | | | | | 85 |
| 90 | 54.4 | 233.7 | 30,300 | 59.2 | 239.2 | 27,600 | 61.9 | 241.6 | 26,000 | | | | | | | | | | | | | 90 |
| 95 | 51.8 | 229.9 | 28,100 | 56.7 | 236.1 | 25,700 | 59.5 | 238.8 | 24,200 | | | | | | | | | | | | | 95 |
| 100 | 49.2 | 225.8 | 26,300 | 54.3 | 232.7 | 23,900 | 57.1 | 235.7 | 22,500 | 61.7 | 239.1 | 20,200 | | | | | | | | | | 100 |
| 105 | 46.4 | 221.3 | 24,600 | 51.7 | 228.9 | 22,300 | 54.7 | 232.3 | 21,000 | 59.3 | 236.3 | 18,800 | | | | | | | | | | 105 |
| 110 | 43.5 | 216.3 | 23,100 | 49.0 | 224.7 | 20,900 | 52.1 | 228.6 | 19,700 | 56.9 | 233.2 | 17,600 | | | | | | | | | | 110 |
| 115 | 40.4 | 210.7 | 21,700 | 46.3 | 220.2 | 19,700 | 49.5 | 224.5 | 18,500 | 54.4 | 229.8 | 16,500 | | | | | | | | | | 115 |
| 120 | 37.2 | 204.5 | 20,400 | 43.4 | 215.2 | 18,500 | 46.7 | 220.0 | 17,300 | 51.9 | 226.0 | 15,500 | 56.6 | 229.7 | 13,600 | | | | | | | 120 |
| 125 | 33.6 | 197.4 | 19,300 | 40.3 | 209.6 | 17,400 | 43.8 | 215.1 | 16,300 | 49.2 | 221.9 | 14,500 | 54.1 | 226.3 | 12,700 | | | | | | | 125 |
| 130 | 29.7 | 189.3 | 18,200 | 37.0 | 203.3 | 16,400 | 40.8 | 209.6 | 15,400 | 46.5 | 217.4 | 13,700 | 51.5 | 222.5 | 12,000 | | | | | | | 130 |
| 135 | 25.3 | 179.8 | 17,200 | 33.5 | 196.2 | 15,500 | 37.6 | 203.5 | 14,500 | 43.6 | 212.4 | 12,900 | 48.9 | 218.3 | 11,200 | | | | | | | 135 |
| 140 | 20.0 | 167.8 | 16,300 | 29.6 | 188.1 | 14,700 | 34.1 | 196.5 | 13,700 | 40.5 | 206.9 | 12,100 | 46.1 | 213.7 | 10,600 | 51.0 | 217.9 | 9,000 | | | | 140 |
| 145 | 12.7 | 150.8 | 15,400 | 25.1 | 178.4 | 13,900 | 30.2 | 188.6 | 13,000 | 37.3 | 200.7 | 11,500 | 43.2 | 208.7 | 9,900 | 48.3 | 213.6 | 8,500 | | | | 145 |
| 150 | | | | 19.7 | 166.3 | 13,200 | 25.9 | 179.2 | 12,300 | 33.7 | 193.7 | 10,800 | 40.1 | 203.0 | 9,400 | 45.5 | 208.9 | 7,900 | | | | 150 |
| 155 | | | | 12.3 | 148.9 | 12,500 | 20.7 | 167.6 | 11,600 | 29.9 | 185.6 | 10,200 | 36.8 | 196.7 | 8,800 | 42.6 | 203.8 | 7,500 | 47.6 | 207.8 | 6,100 | 155 |
| 160 | | | | | | | 20.7 | 167.6 | 11,600 | 25.4 | 176.1 | 9,700 | 33.2 | 189.6 | 8,300 | 39.5 | 198.0 | 7,000 | 44.8 | 203.0 | 5,700 | 160 |
| 165 | | | | | | | 13.8 | 151.4 | 11,000 | | | | 29.3 | 181.4 | 7,800 | 36.1 | 191.6 | 6,600 | 41.8 | 197.7 | 5,300 | 165 |
| 170 | | | | | | | | | | 13.0 | 147.4 | 8,600 | 24.8 | 171.6 | 7,400 | 32.5 | 184.3 | 6,200 | 38.6 | 191.8 | 5,000 | 170 |
| 175 | | | | | | | | | | | | | 19.3 | 159.3 | 7,000 | 28.5 | 175.8 | 5,800 | 35.2 | 185.1 | 4,600 | 175 |
| 180 | | | | | | | | | | | | | 11.7 | 141.3 | 6,500 | 23.8 | 165.6 | 5,400 | 31.5 | 177.5 | 4,300 | 180 |
| 190 | | | | | | | | | | | | | | | | 9.5 | 132.2 | 4,700 | | | | 190 |



Liftcrane Luffing Jib Capacities

777 SERIES 1

New York City Code
 Luffing Jib No. 139 on Boom No. 78
 105,000 Lb. Counterweight
 360 Degree Rating

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

110 Ft. Boom, 150 Ft. Jib

| Jib Oper. Rad. Feet | 88 Degree Boom Angle | | | 83 Degree Boom Angle | | | 80 Degree Boom Angle | | | 75 Degree Boom Angle | | | 70 Degree Boom Angle | | | Jib Oper. Rad. Feet |
|------------------------------|-------------------------|-------------------------------|-----------------------------------|-------------------------|-------------------------------|-----------------------------------|-------------------------|-------------------------------|-----------------------------------|-------------------------|-------------------------------|-----------------------------------|-------------------------|-------------------------------|-----------------------------------|------------------------------|
| | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | |
| 45 | 75.9 | 265.4 | 42,000 * | | | | | | | | | | | | | 45 |
| 50 | 73.9 | 264.0 | 41,200 * | | | | | | | | | | | | | 50 |
| 55 | 71.9 | 262.5 | 39,600 * | | | | | | | | | | | | | 55 |
| 60 | 69.9 | 260.8 | 38,000 * | | | | | | | | | | | | | 60 |
| 65 | 67.8 | 258.8 | 36,400 * | | | | | | | | | | | | | 65 |
| 70 | 65.8 | 256.7 | 34,800 * | 69.8 | 259.8 | 33,600 | | | | | | | | | | 70 |
| 75 | 63.7 | 254.3 | 33,300 * | 67.8 | 257.9 | 30,400 | | | | | | | | | | 75 |
| 80 | 61.5 | 251.7 | 31,600 | 65.7 | 255.7 | 27,700 | | | | | | | | | | 80 |
| 85 | 59.3 | 248.9 | 29,000 | 63.6 | 253.3 | 25,300 | 66.0 | 255.2 | 23,200 | | | | | | | 85 |
| 90 | 57.1 | 245.8 | 26,700 | 61.4 | 250.7 | 23,300 | 63.9 | 252.8 | 21,200 | | | | | | | 90 |
| 95 | 54.8 | 242.4 | 24,700 | 59.2 | 247.9 | 21,400 | 61.8 | 250.3 | 19,500 | | | | | | | 95 |
| 100 | 52.4 | 238.7 | 22,900 | 57.0 | 244.8 | 19,800 | 59.6 | 247.4 | 18,000 | | | | | | | 100 |
| 105 | 49.9 | 234.7 | 21,300 | 54.6 | 241.4 | 18,400 | 57.3 | 244.4 | 16,600 | 61.6 | 247.8 | 13,800 | | | | 105 |
| 110 | 47.4 | 230.3 | 19,800 | 52.3 | 237.7 | 17,000 | 55.0 | 241.0 | 15,400 | 59.4 | 245.0 | 12,700 | | | | 110 |
| 115 | 44.7 | 225.5 | 18,500 | 49.8 | 233.6 | 15,800 | 52.7 | 237.4 | 14,300 | 57.1 | 241.9 | 11,700 | | | | 115 |
| 120 | 42.0 | 220.2 | 17,300 | 47.3 | 229.2 | 14,700 | 50.2 | 233.4 | 13,200 | 54.8 | 238.5 | 10,800 | | | | 120 |
| 125 | 39.0 | 214.3 | 16,100 | 44.6 | 224.4 | 13,700 | 47.7 | 229.0 | 12,300 | 52.4 | 234.8 | 9,900 | 56.8 | 238.4 | 7,600 | 125 |
| 130 | 35.9 | 207.8 | 15,100 | 41.8 | 219.1 | 12,800 | 45.0 | 224.3 | 11,500 | 50.0 | 230.8 | 9,200 | 54.5 | 235.0 | 7,000 | 130 |
| 135 | 32.5 | 200.4 | 14,200 | 38.9 | 213.2 | 12,000 | 42.3 | 219.0 | 10,700 | 47.5 | 226.4 | 8,500 | 52.1 | 231.3 | 6,300 | 135 |
| 140 | 28.7 | 192.0 | 13,300 | 35.7 | 206.6 | 11,200 | 39.4 | 213.2 | 9,900 | 44.8 | 221.6 | 7,800 | 49.7 | 227.2 | 5,800 | 140 |
| 145 | 24.4 | 182.0 | 12,500 | 32.3 | 199.2 | 10,500 | 36.2 | 206.8 | 9,200 | 42.0 | 216.3 | 7,200 | 47.1 | 222.8 | 5,300 | 145 |
| 150 | 19.3 | 169.5 | 11,700 | 28.5 | 190.7 | 9,800 | 32.9 | 199.5 | 8,600 | 39.1 | 210.5 | 6,700 | 44.4 | 217.9 | 4,800 | 150 |
| 155 | 12.3 | 151.8 | 11,000 | 24.2 | 180.6 | 9,100 | 29.2 | 191.2 | 8,000 | 36.0 | 204.0 | 6,100 | 41.6 | 212.5 | 4,300 | 155 |
| 160 | | | | 19.0 | 168.0 | 8,500 | 25.0 | 181.4 | 7,400 | 32.6 | 196.6 | 5,600 | | | | 160 |
| 165 | | | | 11.9 | 149.9 | 7,900 | 20.0 | 169.4 | 6,900 | 28.8 | 188.2 | 5,200 | | | | 165 |
| 170 | | | | | | | 13.3 | 152.6 | 6,400 | 24.6 | 178.3 | 4,700 | | | | 170 |
| 175 | | | | | | | | | | 19.5 | 165.9 | 4,300 | | | | 175 |



Liftcrane Luffing Jib Capacities

New York City Code
 Luffing Jib No. 139 on Boom No. 78
 105,000 Lb. Counterweight
 360 Degree Rating

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

777 SERIES 1

110 Ft. Boom, 160 Ft. Jib

| Jib Oper. Rad. Feet | 88 Degree Boom Angle | | | 83 Degree Boom Angle | | | 80 Degree Boom Angle | | | 75 Degree Boom Angle | | | 70 Degree Boom Angle | | | Jib Oper. Rad. Feet |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | |
| 50 | 74.9 | 274.4 | 37,900 * | | | | | | | | | | | | | 50 |
| 55 | 73.1 | 273.0 | 36,300 * | | | | | | | | | | | | | 55 |
| 60 | 71.2 | 271.4 | 34,800 * | | | | | | | | | | | | | 60 |
| 65 | 69.3 | 269.6 | 33,300 * | | | | | | | | | | | | | 65 |
| 70 | 67.4 | 267.6 | 31,800 * | | | | | | | | | | | | | 70 |
| 75 | 65.4 | 265.4 | 30,300 * | 69.2 | 268.6 | 30,000 | | | | | | | | | | 75 |
| 80 | 63.4 | 263.0 | 28,900 * | 67.3 | 266.6 | 27,300 | | | | | | | | | | 80 |
| 85 | 61.4 | 260.4 | 27,600 * | 65.3 | 264.4 | 24,900 | 67.6 | 266.0 | 22,700 | | | | | | | 85 |
| 90 | 59.4 | 257.5 | 26,200 * | 63.3 | 262.0 | 22,900 | 65.6 | 263.9 | 20,800 | | | | | | | 90 |
| 95 | 57.2 | 254.5 | 24,300 | 61.3 | 259.4 | 21,000 | 63.7 | 261.5 | 19,100 | | | | | | | 95 |
| 100 | 55.1 | 251.1 | 22,500 | 59.3 | 256.6 | 19,400 | 61.7 | 258.9 | 17,500 | | | | | | | 100 |
| 105 | 52.9 | 247.5 | 20,900 | 57.2 | 253.5 | 18,000 | 59.6 | 256.1 | 16,200 | | | | | | | 105 |
| 110 | 50.6 | 243.5 | 19,400 | 55.0 | 250.1 | 16,600 | 57.5 | 253.0 | 15,000 | 61.5 | 256.5 | 12,200 | | | | 110 |
| 115 | 48.2 | 239.2 | 18,100 | 52.8 | 246.4 | 15,400 | 55.3 | 249.7 | 13,800 | 59.4 | 253.6 | 11,200 | | | | 115 |
| 120 | 45.8 | 234.6 | 16,900 | 50.5 | 242.5 | 14,400 | 53.1 | 246.1 | 12,800 | 57.3 | 250.6 | 10,300 | | | | 120 |
| 125 | 43.2 | 229.5 | 15,800 | 48.1 | 238.2 | 13,400 | 50.9 | 242.2 | 11,900 | 55.2 | 247.2 | 9,500 | | | | 125 |
| 130 | 40.6 | 223.9 | 14,800 | 45.7 | 233.5 | 12,400 | 48.5 | 238.0 | 11,000 | 52.9 | 243.6 | 8,700 | 57.0 | 247.1 | 6,500 | 130 |
| 135 | 37.7 | 217.8 | 13,800 | 43.1 | 228.4 | 11,600 | 46.1 | 233.4 | 10,200 | 50.7 | 239.7 | 8,000 | 54.9 | 243.7 | 5,800 | 135 |
| 140 | 34.7 | 211.0 | 13,000 | 40.4 | 222.8 | 10,800 | 43.5 | 228.3 | 9,500 | 48.3 | 235.4 | 7,400 | 52.6 | 240.0 | 5,300 | 140 |
| 145 | 31.4 | 203.3 | 12,200 | 37.6 | 216.6 | 10,100 | 40.9 | 222.8 | 8,800 | 45.9 | 230.7 | 6,800 | 50.4 | 236.1 | 4,800 | 145 |
| 150 | 27.8 | 194.5 | 11,400 | 34.5 | 209.8 | 9,400 | 38.1 | 216.8 | 8,200 | 43.3 | 225.7 | 6,200 | 48.0 | 231.7 | 4,300 | 150 |
| 155 | 23.7 | 184.1 | 10,700 | 31.2 | 202.0 | 8,800 | 35.1 | 210.0 | 7,600 | 40.6 | 220.1 | 5,700 | | | | 155 |
| 160 | 18.7 | 171.2 | 10,000 | 27.6 | 193.2 | 8,200 | 31.8 | 202.4 | 7,100 | 37.8 | 214.0 | 5,200 | | | | 160 |
| 165 | 11.9 | 152.9 | 9,400 | 23.4 | 182.7 | 7,600 | 28.2 | 193.8 | 6,500 | 34.8 | 207.2 | 4,800 | | | | 165 |
| 170 | | | | 18.4 | 169.6 | 7,100 | 24.2 | 183.6 | 6,000 | 31.5 | 199.5 | 4,300 | | | | 170 |
| 175 | | | | 11.5 | 150.9 | 6,500 | 19.3 | 171.1 | 5,600 | | | | | | | 175 |
| 180 | | | | | | | 12.9 | 153.8 | 5,100 | | | | | | | 180 |



Liftcrane Luffing Jib Capacities

777 SERIES 1

New York City Code
 Luffing Jib No. 139 on Boom No. 78
 105,000 Lb. Counterweight
 360 Degree Rating

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

110 Ft. Boom, 170 Ft. Jib

| Jib Oper. Rad. Feet | 88 Degree Boom Angle | | | 83 Degree Boom Angle | | | 80 Degree Boom Angle | | | 75 Degree Boom Angle | | | Jib Oper. Rad. Feet |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | |
| 50 | 75.9 | 284.7 | 33,800 * | | | | | | | | | | 50 |
| 55 | 74.1 | 283.4 | 33,500 * | | | | | | | | | | 55 |
| 60 | 72.3 | 281.9 | 32,000 * | | | | | | | | | | 60 |
| 65 | 70.6 | 280.2 | 30,600 * | | | | | | | | | | 65 |
| 70 | 68.8 | 278.4 | 29,200 * | | | | | | | | | | 70 |
| 75 | 67.0 | 276.3 | 27,800 * | 70.5 | 279.3 | 29,700 | | | | | | | 75 |
| 80 | 65.1 | 274.1 | 26,500 * | 68.7 | 277.4 | 26,900 | | | | | | | 80 |
| 85 | 63.2 | 271.7 | 25,200 * | 66.9 | 275.4 | 24,600 | | | | | | | 85 |
| 90 | 61.3 | 269.1 | 23,900 * | 65.0 | 273.1 | 22,500 | 67.2 | 274.8 | 20,400 | | | | 90 |
| 95 | 59.4 | 266.2 | 22,700 * | 63.1 | 270.7 | 20,700 | 65.3 | 272.6 | 18,700 | | | | 95 |
| 100 | 57.4 | 263.1 | 21,500 * | 61.2 | 268.1 | 19,100 | 63.5 | 270.2 | 17,200 | | | | 100 |
| 105 | 55.4 | 259.8 | 20,400 * | 59.3 | 265.2 | 17,600 | 61.6 | 267.6 | 15,800 | | | | 105 |
| 110 | 53.3 | 256.2 | 19,100 | 57.3 | 262.1 | 16,300 | 59.6 | 264.8 | 14,600 | | | | 110 |
| 115 | 51.2 | 252.4 | 17,800 | 55.3 | 258.8 | 15,100 | 57.6 | 261.7 | 13,500 | 61.4 | 265.1 | 10,800 | 115 |
| 120 | 49.0 | 248.2 | 16,600 | 53.2 | 255.2 | 14,000 | 55.6 | 258.4 | 12,500 | 59.4 | 262.3 | 9,900 | 120 |
| 125 | 46.7 | 243.6 | 15,500 | 51.1 | 251.3 | 13,000 | 53.6 | 254.9 | 11,600 | 57.5 | 259.2 | 9,100 | 125 |
| 130 | 44.4 | 238.7 | 14,500 | 48.9 | 247.1 | 12,100 | 51.4 | 251.0 | 10,700 | 55.4 | 255.9 | 8,400 | 130 |
| 135 | 41.9 | 233.4 | 13,600 | 46.6 | 242.6 | 11,300 | 49.2 | 246.9 | 9,900 | 53.4 | 252.3 | 7,700 | 135 |
| 140 | 39.3 | 227.6 | 12,700 | 44.2 | 237.6 | 10,500 | 47.0 | 242.4 | 9,200 | 51.2 | 248.5 | 7,000 | 140 |
| 145 | 36.6 | 221.1 | 11,900 | 41.8 | 232.3 | 9,800 | 44.6 | 237.5 | 8,500 | 49.0 | 244.3 | 6,400 | 145 |
| 150 | 33.6 | 214.0 | 11,100 | 39.2 | 226.4 | 9,100 | 42.2 | 232.3 | 7,900 | 46.8 | 239.8 | 5,900 | 150 |
| 155 | 30.4 | 206.0 | 10,400 | 36.4 | 220.0 | 8,500 | 39.6 | 226.5 | 7,300 | 44.4 | 234.9 | 5,400 | 155 |
| 160 | 26.9 | 196.9 | 9,800 | 33.5 | 212.8 | 7,900 | 36.9 | 220.1 | 6,700 | 42.0 | 229.6 | 4,900 | 160 |
| 165 | 22.9 | 186.1 | 9,100 | 30.3 | 204.8 | 7,300 | 34.0 | 213.1 | 6,200 | 39.4 | 223.7 | 4,400 | 165 |
| 170 | 18.1 | 172.8 | 8,500 | 26.8 | 195.6 | 6,800 | 30.8 | 205.2 | 5,700 | 36.6 | 217.3 | 4,000 | 170 |
| 175 | 11.6 | 153.9 | 8,000 | 22.7 | 184.7 | 6,300 | 27.4 | 196.3 | 5,300 | | | | 175 |
| 180 | | | | 17.9 | 171.2 | 5,800 | 23.4 | 185.7 | 4,800 | | | | 180 |
| 190 | | | | | | | 12.5 | 154.9 | 4,000 | | | | 190 |



Liftcrane Luffing Jib Capacities

New York City Code
 Luffing Jib No. 139 on Boom No. 78
 105,000 Lb. Counterweight
 360 Degree Rating

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

777 SERIES 1

120 Ft. Boom, 70 Ft. Jib

| Jib Oper. Rad. Feet | 88 Degree Boom Angle | | | 83 Degree Boom Angle | | | 80 Degree Boom Angle | | | 75 Degree Boom Angle | | | 70 Degree Boom Angle | | | 65 Degree Boom Angle | | | 60 Degree Boom Angle | | | Jib Oper. Rad. Feet |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | |
| 35 | 68.0 | 194.8 | 97,400 *b | | | | | | | | | | | | | | | | | | | 35 |
| 40 | 63.5 | 192.5 | 89,600 b | | | | | | | | | | | | | | | | | | | 40 |
| 45 | 58.9 | 189.8 | 76,700 | 68.6 | 194.1 | 70,800 b | | | | | | | | | | | | | | | | 45 |
| 50 | 53.9 | 186.5 | 66,800 | 64.1 | 191.9 | 61,700 b | | | | | | | | | | | | | | | | 50 |
| 55 | 48.7 | 182.5 | 59,100 | 59.5 | 189.2 | 54,500 | 65.3 | 191.6 | 51,800 b | | | | | | | | | | | | | 55 |
| 60 | 43.0 | 177.6 | 52,900 | 54.6 | 186.0 | 48,800 | 60.7 | 189.0 | 46,300 b | | | | | | | | | | | | | 60 |
| 65 | 36.6 | 171.6 | 47,800 | 49.4 | 182.1 | 44,000 | 55.9 | 185.9 | 41,800 | | | | | | | | | | | | | 65 |
| 70 | 29.0 | 163.9 | 43,500 | 43.7 | 177.4 | 40,100 | 50.8 | 182.2 | 38,000 | 61.1 | 186.8 | 34,600 b | | | | | | | | | | 70 |
| 75 | 18.9 | 152.6 | 39,800 | 37.5 | 171.5 | 36,700 | 45.3 | 177.7 | 34,800 | 56.3 | 183.8 | 31,700 | | | | | | | | | | 75 |
| 80 | | | | 30.1 | 164.1 | 33,800 | 39.2 | 172.2 | 32,000 | 51.2 | 180.1 | 29,100 | | | | | | | | | | 80 |
| 85 | | | | 20.5 | 153.5 | 31,200 | 32.2 | 165.3 | 29,600 | 45.8 | 175.7 | 26,900 | 56.5 | 180.6 | 24,200 | | | | | | | 85 |
| 90 | | | | | | | 23.4 | 155.8 | 27,400 | 39.7 | 170.3 | 24,900 | 51.4 | 177.0 | 22,400 | | | | | | | 90 |
| 95 | | | | | | | 8.5 | 138.3 | 25,500 | 32.8 | 163.5 | 23,200 | 45.9 | 172.6 | 20,900 | | | | | | | 95 |
| 100 | | | | | | | | | | 24.2 | 154.3 | 21,600 | 39.9 | 167.2 | 19,500 | 51.2 | 172.7 | 17,300 | | | | 100 |
| 105 | | | | | | | | | | 10.5 | 138.3 | 20,200 | 33.1 | 160.4 | 18,200 | 45.8 | 168.2 | 16,200 | | | | 105 |
| 110 | | | | | | | | | | | | | 24.6 | 151.3 | 17,000 | 39.7 | 162.8 | 15,100 | | | | 110 |
| 115 | | | | | | | | | | | | | 11.2 | 135.8 | 15,900 | 32.8 | 156.0 | 14,200 | 45.1 | 162.7 | 12,400 | 115 |
| 120 | | | | | | | | | | | | | | | | 24.2 | 146.8 | 13,300 | 39.0 | 157.1 | 11,600 | 120 |
| 125 | | | | | | | | | | | | | | | | 10.4 | 130.8 | 12,400 | 31.9 | 150.1 | 10,900 | 125 |
| 130 | | | | | | | | | | | | | | | | | | | 23.1 | 140.5 | 10,200 | 130 |
| 135 | | | | | | | | | | | | | | | | | | | 7.5 | 122.2 | 9,500 | 135 |



Liftcrane Luffing Jib Capacities

777 SERIES 1

New York City Code
 Luffing Jib No. 139 on Boom No. 78
 105,000 Lb. Counterweight
 360 Degree Rating

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

120 Ft. Boom, 80 Ft. Jib

| Jib Oper. Rad. Feet | 88 Degree Boom Angle | | | 83 Degree Boom Angle | | | 80 Degree Boom Angle | | | 75 Degree Boom Angle | | | 70 Degree Boom Angle | | | 65 Degree Boom Angle | | | 60 Degree Boom Angle | | | Jib Oper. Rad. Feet |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | |
| 35 | 70.9 | 205.5 | 86,200 *b | | | | | | | | | | | | | | | | | | | 35 |
| 40 | 67.0 | 203.5 | 83,200 *b | | | | | | | | | | | | | | | | | | | 40 |
| 45 | 63.1 | 201.2 | 76,400 | | | | | | | | | | | | | | | | | | | 45 |
| 50 | 59.0 | 198.5 | 66,600 | 67.5 | 202.9 | 61,300 b | | | | | | | | | | | | | | | | 50 |
| 55 | 54.7 | 195.2 | 58,900 | 63.6 | 200.6 | 54,200 | | | | | | | | | | | | | | | | 55 |
| 60 | 50.2 | 191.3 | 52,700 | 59.5 | 197.9 | 48,500 | 64.7 | 200.3 | 45,900 | | | | | | | | | | | | | 60 |
| 65 | 45.4 | 186.8 | 47,600 | 55.3 | 194.7 | 43,700 | 60.6 | 197.7 | 41,400 | | | | | | | | | | | | | 65 |
| 70 | 40.1 | 181.4 | 43,300 | 50.8 | 191.0 | 39,800 | 56.4 | 194.6 | 37,700 | | | | | | | | | | | | | 70 |
| 75 | 34.1 | 174.8 | 39,600 | 46.0 | 186.5 | 36,400 | 52.0 | 191.0 | 34,500 | 61.0 | 195.5 | 31,200 | | | | | | | | | | 75 |
| 80 | 27.1 | 166.3 | 36,500 | 40.8 | 181.2 | 33,500 | 47.3 | 186.8 | 31,700 | 56.8 | 192.5 | 28,700 | | | | | | | | | | 80 |
| 85 | 17.7 | 154.2 | 33,700 | 35.0 | 174.8 | 31,000 | 42.2 | 181.7 | 29,300 | 52.4 | 188.9 | 26,500 | | | | | | | | | | 85 |
| 90 | | | | 28.1 | 166.6 | 28,700 | 36.6 | 175.6 | 27,200 | 47.7 | 184.7 | 24,600 | 56.9 | 189.3 | 22,000 | | | | | | | 90 |
| 95 | | | | 19.2 | 155.2 | 26,700 | 30.1 | 168.0 | 25,300 | 42.7 | 179.8 | 22,900 | 52.5 | 185.8 | 20,400 | | | | | | | 95 |
| 100 | | | | | | | 21.9 | 157.8 | 23,600 | 37.1 | 173.8 | 21,300 | 47.9 | 181.6 | 19,100 | | | | | | | 100 |
| 105 | | | | | | | 7.9 | 139.0 | 22,000 | 30.6 | 166.3 | 19,900 | 42.8 | 176.6 | 17,800 | 52.4 | 181.5 | 15,700 | | | | 105 |
| 110 | | | | | | | | | | 22.6 | 156.4 | 18,700 | 37.3 | 170.7 | 16,700 | 47.7 | 177.3 | 14,700 | | | | 110 |
| 115 | | | | | | | | | | 9.8 | 139.2 | 17,500 | 30.9 | 163.3 | 15,600 | 42.7 | 172.3 | 13,800 | | | | 115 |
| 120 | | | | | | | | | | | | | 22.9 | 153.4 | 14,700 | 37.1 | 166.3 | 12,900 | 47.1 | 171.7 | 11,200 | 120 |
| 125 | | | | | | | | | | | | | 10.5 | 136.8 | 13,700 | 30.6 | 158.9 | 12,100 | 42.0 | 166.7 | 10,500 | 125 |
| 130 | | | | | | | | | | | | | | | | 22.6 | 148.9 | 11,400 | 36.4 | 160.5 | 9,800 | 130 |
| 135 | | | | | | | | | | | | | | | | 9.8 | 131.7 | 10,600 | 29.8 | 152.9 | 9,200 | 135 |
| 140 | | | | | | | | | | | | | | | | | | | 21.6 | 142.5 | 8,600 | 140 |
| 145 | | | | | | | | | | | | | | | | | | | 7.0 | 122.8 | 8,000 | 145 |



Liftcrane Luffing Jib Capacities

New York City Code
 Luffing Jib No. 139 on Boom No. 78
 105,000 Lb. Counterweight
 360 Degree Rating

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

777 SERIES 1

120 Ft. Boom, 90 Ft. Jib

| Jib Oper. Rad. Feet | 88 Degree Boom Angle | | | 83 Degree Boom Angle | | | 80 Degree Boom Angle | | | 75 Degree Boom Angle | | | 70 Degree Boom Angle | | | 65 Degree Boom Angle | | | 60 Degree Boom Angle | | | Jib Oper. Rad. Feet |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | |
| 35 | 73.1 | 216.0 | 79,300 *b | | | | | | | | | | | | | | | | | | | 35 |
| 40 | 69.7 | 214.3 | 76,700 *b | | | | | | | | | | | | | | | | | | | 40 |
| 45 | 66.3 | 212.3 | 73,700 * | | | | | | | | | | | | | | | | | | | 45 |
| 50 | 62.8 | 209.9 | 66,400 | 70.1 | 213.6 | 61,100 b | | | | | | | | | | | | | | | | 50 |
| 55 | 59.1 | 207.1 | 58,700 | 66.7 | 211.6 | 54,000 | | | | | | | | | | | | | | | | 55 |
| 60 | 55.3 | 203.9 | 52,500 | 63.2 | 209.3 | 48,200 | 67.6 | 211.2 | 45,700 | | | | | | | | | | | | | 60 |
| 65 | 51.4 | 200.2 | 47,400 | 59.6 | 206.6 | 43,500 | 64.2 | 209.0 | 41,200 | | | | | | | | | | | | | 65 |
| 70 | 47.1 | 195.9 | 43,100 | 55.8 | 203.4 | 39,600 | 60.6 | 206.3 | 37,400 | | | | | | | | | | | | | 70 |
| 75 | 42.6 | 190.8 | 39,500 | 51.9 | 199.8 | 36,200 | 56.8 | 203.3 | 34,200 | | | | | | | | | | | | | 75 |
| 80 | 37.7 | 184.9 | 36,300 | 47.7 | 195.5 | 33,300 | 52.9 | 199.8 | 31,500 | 60.9 | 204.2 | 28,400 | | | | | | | | | | 80 |
| 85 | 32.1 | 177.8 | 33,600 | 43.2 | 190.6 | 30,800 | 48.8 | 195.7 | 29,100 | 57.1 | 201.2 | 26,200 | | | | | | | | | | 85 |
| 90 | 25.5 | 168.7 | 31,200 | 38.4 | 184.8 | 28,600 | 44.5 | 191.0 | 27,000 | 53.3 | 197.7 | 24,300 | | | | | | | | | | 90 |
| 95 | 16.7 | 155.7 | 29,000 | 32.9 | 177.8 | 26,600 | 39.7 | 185.5 | 25,100 | 49.2 | 193.7 | 22,600 | 57.3 | 198.0 | 20,200 | | | | | | | 95 |
| 100 | | | | 26.5 | 169.1 | 24,800 | 34.4 | 178.8 | 23,400 | 44.8 | 189.0 | 21,100 | 53.4 | 194.5 | 18,800 | | | | | | | 100 |
| 105 | | | | 18.1 | 156.9 | 23,200 | 28.3 | 170.6 | 21,900 | 40.1 | 183.5 | 19,700 | 49.3 | 190.5 | 17,500 | | | | | | | 105 |
| 110 | | | | | | | 20.6 | 159.6 | 20,500 | 34.9 | 177.0 | 18,500 | 45.0 | 185.9 | 16,400 | | | | | | | 110 |
| 115 | | | | | | | 7.5 | 139.7 | 19,200 | 28.8 | 169.0 | 17,300 | 40.3 | 180.4 | 15,400 | 49.2 | 186.2 | 13,500 | | | | 115 |
| 120 | | | | | | | | | | 21.3 | 158.3 | 16,300 | 35.1 | 174.0 | 14,500 | 44.8 | 181.5 | 12,600 | | | | 120 |
| 125 | | | | | | | | | | 9.2 | 140.0 | 15,300 | 29.1 | 166.0 | 13,600 | 40.1 | 176.1 | 11,900 | | | | 125 |
| 130 | | | | | | | | | | | | | 21.6 | 155.4 | 12,800 | 34.9 | 169.6 | 11,100 | 44.3 | 175.9 | 9,500 | 130 |
| 135 | | | | | | | | | | | | | 9.9 | 137.7 | 12,000 | 28.8 | 161.5 | 10,500 | 39.5 | 170.4 | 9,000 | 135 |
| 140 | | | | | | | | | | | | | | | | 21.3 | 150.8 | 9,900 | 34.2 | 163.7 | 8,400 | 140 |
| 145 | | | | | | | | | | | | | | | | 9.2 | 132.5 | 9,200 | 28.1 | 155.4 | 7,900 | 145 |
| 150 | | | | | | | | | | | | | | | | | | | 20.3 | 144.3 | 7,400 | 150 |
| 155 | | | | | | | | | | | | | | | | | | | 6.6 | 123.4 | 6,900 | 155 |



Liftcrane Luffing Jib Capacities

777 SERIES 1

**New York City Code
Luffing Jib No. 139 on Boom No. 78
105,000 Lb. Counterweight
360 Degree Rating**

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

120 Ft. Boom, 100 Ft. Jib

| Jib Oper. Rad. Feet | 88 Degree Boom Angle | | | 83 Degree Boom Angle | | | 80 Degree Boom Angle | | | 75 Degree Boom Angle | | | 70 Degree Boom Angle | | | 65 Degree Boom Angle | | | 60 Degree Boom Angle | | | Jib Oper. Rad. Feet |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | |
| 35 | 74.8 | 226.4 | 72,800 *b | | | | | | | | | | | | | | | | | | | 35 |
| 40 | 71.8 | 224.9 | 70,500 *b | | | | | | | | | | | | | | | | | | | 40 |
| 45 | 68.8 | 223.1 | 68,200 * | | | | | | | | | | | | | | | | | | | 45 |
| 50 | 65.7 | 221.0 | 65,700 * | | | | | | | | | | | | | | | | | | | 50 |
| 55 | 62.5 | 218.6 | 58,500 | 69.2 | 222.4 | 53,600 | | | | | | | | | | | | | | | | 55 |
| 60 | 59.2 | 215.8 | 52,300 | 66.1 | 220.4 | 47,900 | | | | | | | | | | | | | | | | 60 |
| 65 | 55.8 | 212.6 | 47,200 | 62.9 | 218.0 | 43,200 | 66.9 | 219.9 | 40,800 | | | | | | | | | | | | | 65 |
| 70 | 52.3 | 209.0 | 42,900 | 59.6 | 215.2 | 39,200 | 63.7 | 217.6 | 37,000 | | | | | | | | | | | | | 70 |
| 75 | 48.5 | 204.8 | 39,200 | 56.2 | 212.1 | 35,900 | 60.5 | 215.0 | 33,900 | | | | | | | | | | | | | 75 |
| 80 | 44.6 | 200.1 | 36,100 | 52.7 | 208.5 | 33,000 | 57.2 | 212.0 | 31,100 | | | | | | | | | | | | | 80 |
| 85 | 40.4 | 194.6 | 33,400 | 49.0 | 204.5 | 30,500 | 53.7 | 208.5 | 28,700 | 60.8 | 212.8 | 25,800 | | | | | | | | | | 85 |
| 90 | 35.7 | 188.2 | 31,000 | 45.1 | 199.8 | 28,300 | 50.0 | 204.6 | 26,600 | 57.4 | 209.8 | 23,900 | | | | | | | | | | 90 |
| 95 | 30.4 | 180.6 | 28,900 | 40.9 | 194.5 | 26,300 | 46.2 | 200.1 | 24,800 | 54.0 | 206.4 | 22,200 | | | | | | | | | | 95 |
| 100 | 24.2 | 170.9 | 26,900 | 36.3 | 188.2 | 24,600 | 42.1 | 195.0 | 23,100 | 50.3 | 202.5 | 20,700 | 57.5 | 206.6 | 18,400 | | | | | | | 100 |
| 105 | 15.8 | 157.2 | 25,200 | 31.2 | 180.7 | 23,000 | 37.6 | 189.0 | 21,600 | 46.5 | 198.1 | 19,400 | 54.1 | 203.2 | 17,100 | | | | | | | 105 |
| 110 | | | | 25.1 | 171.4 | 21,500 | 32.6 | 181.8 | 20,300 | 42.4 | 193.0 | 18,100 | 50.5 | 199.4 | 16,000 | | | | | | | 110 |
| 115 | | | | 17.1 | 158.4 | 20,200 | 26.8 | 173.1 | 19,000 | 38.0 | 187.1 | 17,000 | 46.6 | 195.0 | 15,000 | | | | | | | 115 |
| 120 | | | | | | | 19.5 | 161.4 | 17,900 | 33.0 | 180.1 | 16,000 | 42.5 | 189.9 | 14,100 | 50.3 | 195.1 | 12,200 | | | | 120 |
| 125 | | | | | | | 7.1 | 140.3 | 16,800 | 27.3 | 171.5 | 15,000 | 38.1 | 184.0 | 13,200 | 46.5 | 190.6 | 11,400 | | | | 125 |
| 130 | | | | | | | | | | 20.2 | 160.1 | 14,200 | 33.2 | 177.0 | 12,400 | 42.4 | 185.5 | 10,700 | | | | 130 |
| 135 | | | | | | | | | | 8.8 | 140.8 | 13,300 | 27.5 | 168.5 | 11,700 | 38.0 | 179.6 | 10,100 | 46.0 | 185.1 | 8,500 | 135 |
| 140 | | | | | | | | | | | | | 20.5 | 157.3 | 11,000 | 33.0 | 172.6 | 9,500 | 41.9 | 179.9 | 8,000 | 140 |
| 145 | | | | | | | | | | | | | 9.3 | 138.5 | 10,400 | 27.3 | 164.0 | 8,900 | 37.4 | 173.9 | 7,500 | 145 |
| 150 | | | | | | | | | | | | | | | | 20.2 | 152.7 | 8,400 | 32.4 | 166.7 | 7,000 | 150 |
| 155 | | | | | | | | | | | | | | | | 8.7 | 133.3 | 7,800 | 26.6 | 157.9 | 6,600 | 155 |
| 160 | | | | | | | | | | | | | | | | | | | 19.3 | 146.1 | 6,100 | 160 |
| 165 | | | | | | | | | | | | | | | | | | | 6.2 | 124.0 | 5,700 | 165 |



Liftcrane Luffing Jib Capacities

New York City Code
 Luffing Jib No. 139 on Boom No. 78
 105,000 Lb. Counterweight
 360 Degree Rating

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

777 SERIES 1

120 Ft. Boom, 110 Ft. Jib

| Jib Oper. Rad. Feet | 88 Degree Boom Angle | | | 83 Degree Boom Angle | | | 80 Degree Boom Angle | | | 75 Degree Boom Angle | | | 70 Degree Boom Angle | | | 65 Degree Boom Angle | | | 60 Degree Boom Angle | | | Jib Oper. Rad. Feet |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | |
| 40 | 73.5 | 235.4 | 65,100 * | | | | | | | | | | | | | | | | | | | 40 |
| 45 | 70.8 | 233.8 | 63,100 * | | | | | | | | | | | | | | | | | | | 45 |
| 50 | 68.0 | 231.9 | 60,800 * | | | | | | | | | | | | | | | | | | | 50 |
| 55 | 65.2 | 229.7 | 58,400 | | | | | | | | | | | | | | | | | | | 55 |
| 60 | 62.3 | 227.2 | 52,200 | 68.4 | 231.2 | 47,800 | | | | | | | | | | | | | | | | 60 |
| 65 | 59.3 | 224.4 | 47,100 | 65.5 | 229.1 | 43,100 | | | | | | | | | | | | | | | | 65 |
| 70 | 56.2 | 221.3 | 42,800 | 62.6 | 226.6 | 39,200 | 66.3 | 228.7 | 37,000 | | | | | | | | | | | | | 70 |
| 75 | 53.0 | 217.7 | 39,200 | 59.7 | 223.9 | 35,800 | 63.4 | 226.3 | 33,800 | | | | | | | | | | | | | 75 |
| 80 | 49.7 | 213.7 | 36,100 | 56.6 | 220.8 | 32,900 | 60.5 | 223.7 | 31,000 | | | | | | | | | | | | | 80 |
| 85 | 46.1 | 209.2 | 33,400 | 53.4 | 217.3 | 30,400 | 57.4 | 220.6 | 28,700 | | | | | | | | | | | | | 85 |
| 90 | 42.4 | 204.1 | 31,000 | 50.1 | 213.3 | 28,200 | 54.3 | 217.3 | 26,600 | 60.7 | 221.5 | 23,800 | | | | | | | | | | 90 |
| 95 | 38.4 | 198.2 | 28,800 | 46.6 | 208.9 | 26,300 | 51.0 | 213.4 | 24,700 | 57.7 | 218.5 | 22,200 | | | | | | | | | | 95 |
| 100 | 34.0 | 191.4 | 27,000 | 42.9 | 203.9 | 24,500 | 47.6 | 209.1 | 23,100 | 54.5 | 215.1 | 20,600 | | | | | | | | | | 100 |
| 105 | 29.0 | 183.2 | 25,300 | 38.9 | 198.1 | 23,000 | 43.9 | 204.3 | 21,600 | 51.3 | 211.4 | 19,300 | 57.8 | 215.3 | 17,000 | | | | | | | 105 |
| 110 | 23.1 | 173.0 | 23,700 | 34.6 | 191.4 | 21,500 | 40.0 | 198.7 | 20,200 | 47.8 | 207.1 | 18,100 | 54.6 | 212.0 | 15,900 | | | | | | | 110 |
| 115 | 15.1 | 158.5 | 22,300 | 29.7 | 183.4 | 20,300 | 35.8 | 192.3 | 19,000 | 44.2 | 202.3 | 17,000 | 51.4 | 208.2 | 14,900 | | | | | | | 115 |
| 120 | | | | 23.9 | 173.5 | 19,100 | 31.1 | 184.7 | 17,900 | 40.4 | 196.8 | 15,900 | 48.0 | 203.9 | 14,000 | | | | | | | 120 |
| 125 | | | | 16.3 | 159.9 | 18,000 | 25.6 | 175.4 | 16,900 | 36.1 | 190.4 | 15,000 | 44.3 | 199.1 | 13,200 | 51.3 | 203.9 | 11,400 | | | | 125 |
| 130 | | | | | | | 18.6 | 163.1 | 15,900 | 31.5 | 183.0 | 14,200 | 40.5 | 193.7 | 12,400 | 47.8 | 199.6 | 10,700 | | | | 130 |
| 135 | | | | | | | 6.8 | 140.9 | 15,000 | 26.0 | 173.9 | 13,400 | 36.3 | 187.4 | 11,700 | 44.2 | 194.8 | 10,000 | | | | 135 |
| 140 | | | | | | | | | | 19.3 | 161.9 | 12,600 | 31.6 | 179.9 | 11,000 | 40.3 | 189.3 | 9,400 | 47.4 | 194.1 | 7,900 | 140 |
| 145 | | | | | | | | | | 8.4 | 141.6 | 11,900 | 26.2 | 170.9 | 10,400 | 36.1 | 183.0 | 8,900 | 43.8 | 189.2 | 7,400 | 145 |
| 150 | | | | | | | | | | | | | 19.5 | 159.0 | 9,800 | 31.5 | 175.5 | 8,400 | 39.9 | 183.6 | 6,900 | 150 |
| 155 | | | | | | | | | | | | | 8.9 | 139.3 | 9,200 | 26.0 | 166.4 | 7,900 | 35.6 | 177.2 | 6,500 | 155 |
| 160 | | | | | | | | | | | | | | | | 19.3 | 154.4 | 7,400 | 30.9 | 169.5 | 6,100 | 160 |
| 165 | | | | | | | | | | | | | | | | 8.3 | 134.0 | 6,900 | 25.4 | 160.2 | 5,700 | 165 |
| 170 | | | | | | | | | | | | | | | | | | | 18.3 | 147.7 | 5,300 | 170 |
| 175 | | | | | | | | | | | | | | | | | | | 5.9 | 124.5 | 4,900 | 175 |



Liftcrane Luffing Jib Capacities

777 SERIES 1

**New York City Code
Luffing Jib No. 139 on Boom No. 78
105,000 Lb. Counterweight
360 Degree Rating**

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

120 Ft. Boom, 120 Ft. Jib

| Jib Oper. Rad. Feet | 88 Degree Boom Angle | | | 83 Degree Boom Angle | | | 80 Degree Boom Angle | | | 75 Degree Boom Angle | | | 70 Degree Boom Angle | | | 65 Degree Boom Angle | | | 60 Degree Boom Angle | | | Jib Oper. Rad. Feet |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | |
| 40 | 74.9 | 245.8 | 51,700 * | | | | | | | | | | | | | | | | | | | 40 |
| 45 | 72.4 | 244.3 | 50,700 * | | | | | | | | | | | | | | | | | | | 45 |
| 50 | 69.9 | 242.6 | 49,700 * | | | | | | | | | | | | | | | | | | | 50 |
| 55 | 67.4 | 240.6 | 48,800 * | | | | | | | | | | | | | | | | | | | 55 |
| 60 | 64.7 | 238.4 | 48,000 * | 70.2 | 241.9 | 47,500 | | | | | | | | | | | | | | | | 60 |
| 65 | 62.1 | 235.9 | 46,300 * | 67.7 | 240.0 | 42,800 | | | | | | | | | | | | | | | | 65 |
| 70 | 59.3 | 233.1 | 42,600 | 65.1 | 237.8 | 38,800 | | | | | | | | | | | | | | | | 70 |
| 75 | 56.5 | 230.0 | 38,900 | 62.4 | 235.3 | 35,500 | 65.8 | 237.4 | 33,400 | | | | | | | | | | | | | 75 |
| 80 | 53.6 | 226.5 | 35,800 | 59.7 | 232.6 | 32,600 | 63.1 | 235.0 | 30,700 | | | | | | | | | | | | | 80 |
| 85 | 50.6 | 222.6 | 33,100 | 56.9 | 229.5 | 30,100 | 60.4 | 232.3 | 28,300 | | | | | | | | | | | | | 85 |
| 90 | 47.4 | 218.2 | 30,700 | 54.0 | 226.0 | 27,900 | 57.6 | 229.3 | 26,200 | | | | | | | | | | | | | 90 |
| 95 | 44.1 | 213.4 | 28,600 | 51.0 | 222.2 | 26,000 | 54.8 | 226.0 | 24,400 | 60.6 | 230.2 | 21,800 | | | | | | | | | | 95 |
| 100 | 40.5 | 207.9 | 26,700 | 47.8 | 217.9 | 24,200 | 51.8 | 222.2 | 22,700 | 57.9 | 227.2 | 20,300 | | | | | | | | | | 100 |
| 105 | 36.7 | 201.6 | 25,000 | 44.5 | 213.1 | 22,700 | 48.7 | 218.1 | 21,300 | 55.0 | 223.9 | 18,900 | | | | | | | | | | 105 |
| 110 | 32.5 | 194.4 | 23,500 | 41.0 | 207.7 | 21,300 | 45.4 | 213.4 | 19,900 | 52.0 | 220.2 | 17,700 | 58.0 | 224.0 | 15,500 | | | | | | | 110 |
| 115 | 27.7 | 185.7 | 22,100 | 37.2 | 201.5 | 20,000 | 42.0 | 208.2 | 18,700 | 48.9 | 216.0 | 16,600 | 55.1 | 220.7 | 14,500 | | | | | | | 115 |
| 120 | 22.1 | 175.0 | 20,800 | 33.1 | 194.4 | 18,800 | 38.3 | 202.3 | 17,600 | 45.7 | 211.4 | 15,600 | 52.1 | 217.0 | 13,600 | | | | | | | 120 |
| 125 | 14.4 | 159.8 | 19,600 | 28.4 | 186.0 | 17,700 | 34.2 | 195.4 | 16,600 | 42.2 | 206.2 | 14,700 | 49.0 | 212.9 | 12,800 | | | | | | | 125 |
| 130 | | | | 22.9 | 175.6 | 16,700 | 29.7 | 187.4 | 15,700 | 38.6 | 200.4 | 13,800 | 45.8 | 208.3 | 12,000 | 52.0 | 212.7 | 10,300 | | | | 130 |
| 135 | | | | 15.6 | 161.3 | 15,800 | 24.5 | 177.6 | 14,800 | 34.6 | 193.6 | 13,000 | 42.4 | 203.1 | 11,300 | 48.9 | 208.6 | 9,600 | | | | 135 |
| 140 | | | | | | | 17.8 | 164.7 | 14,000 | 30.1 | 185.7 | 12,300 | 38.7 | 197.3 | 10,700 | 45.7 | 203.9 | 9,000 | | | | 140 |
| 145 | | | | | | | 6.5 | 141.5 | 13,200 | 24.9 | 176.1 | 11,600 | 34.7 | 190.6 | 10,000 | 42.2 | 198.8 | 8,500 | | | | 145 |
| 150 | | | | | | | | | | 18.5 | 163.5 | 11,000 | 30.2 | 182.7 | 9,500 | 38.6 | 192.9 | 8,000 | 45.3 | 198.4 | 6,500 | 150 |
| 155 | | | | | | | | | | 8.0 | 142.3 | 10,300 | 25.1 | 173.2 | 8,900 | 34.5 | 186.1 | 7,500 | 41.8 | 193.1 | 6,100 | 155 |
| 160 | | | | | | | | | | | | | 18.7 | 160.7 | 8,400 | 30.1 | 178.2 | 7,000 | 38.1 | 187.2 | 5,700 | 160 |
| 165 | | | | | | | | | | | | | 8.5 | 140.1 | 7,900 | 24.9 | 168.6 | 6,600 | 34.1 | 180.3 | 5,300 | 165 |
| 170 | | | | | | | | | | | | | | | | 18.4 | 156.1 | 6,200 | 29.5 | 172.2 | 5,000 | 170 |
| 175 | | | | | | | | | | | | | | | | 8.0 | 134.7 | 5,800 | 24.3 | 162.4 | 4,600 | 175 |
| 180 | | | | | | | | | | | | | | | | | | | 17.6 | 149.3 | 4,300 | 180 |



Liftcrane Luffing Jib Capacities

New York City Code
 Luffing Jib No. 139 on Boom No. 78
 105,000 Lb. Counterweight
 360 Degree Rating

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

777 SERIES 1

120 Ft. Boom, 130 Ft. Jib

| Jib Oper. Rad. Feet | 88 Degree Boom Angle | | | 83 Degree Boom Angle | | | 80 Degree Boom Angle | | | 75 Degree Boom Angle | | | 70 Degree Boom Angle | | | 65 Degree Boom Angle | | | 60 Degree Boom Angle | | | Jib Oper. Rad. Feet |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | |
| 45 | 73.8 | 254.7 | 47,600 * | | | | | | | | | | | | | | | | | | | 45 |
| 50 | 71.5 | 253.2 | 46,700 * | | | | | | | | | | | | | | | | | | | 50 |
| 55 | 69.2 | 251.4 | 45,900 * | | | | | | | | | | | | | | | | | | | 55 |
| 60 | 66.8 | 249.4 | 44,600 * | | | | | | | | | | | | | | | | | | | 60 |
| 65 | 64.4 | 247.1 | 42,800 * | 69.5 | 250.7 | 42,500 | | | | | | | | | | | | | | | | 65 |
| 70 | 61.9 | 244.6 | 41,200 * | 67.1 | 248.7 | 38,600 | | | | | | | | | | | | | | | | 70 |
| 75 | 59.4 | 241.8 | 38,700 | 64.7 | 246.5 | 35,200 | 67.7 | 248.3 | 33,200 | | | | | | | | | | | | | 75 |
| 80 | 56.8 | 238.6 | 35,600 | 62.2 | 244.0 | 32,400 | 65.3 | 246.1 | 30,400 | | | | | | | | | | | | | 80 |
| 85 | 54.1 | 235.2 | 32,900 | 59.7 | 241.2 | 29,900 | 62.9 | 243.7 | 28,000 | | | | | | | | | | | | | 85 |
| 90 | 51.3 | 231.4 | 30,500 | 57.1 | 238.1 | 27,700 | 60.4 | 241.0 | 26,000 | | | | | | | | | | | | | 90 |
| 95 | 48.5 | 227.2 | 28,400 | 54.5 | 234.7 | 25,700 | 57.8 | 238.0 | 24,100 | | | | | | | | | | | | | 95 |
| 100 | 45.4 | 222.5 | 26,500 | 51.7 | 231.0 | 24,000 | 55.2 | 234.7 | 22,500 | 60.6 | 238.8 | 20,000 | | | | | | | | | | 100 |
| 105 | 42.3 | 217.3 | 24,800 | 48.8 | 226.8 | 22,400 | 52.4 | 231.0 | 21,000 | 58.0 | 235.8 | 18,600 | | | | | | | | | | 105 |
| 110 | 38.9 | 211.5 | 23,300 | 45.8 | 222.2 | 21,000 | 49.6 | 227.0 | 19,700 | 55.4 | 232.6 | 17,400 | | | | | | | | | | 110 |
| 115 | 35.2 | 204.9 | 21,900 | 42.7 | 217.1 | 19,800 | 46.7 | 222.5 | 18,500 | 52.7 | 228.9 | 16,300 | | | | | | | | | | 115 |
| 120 | 31.2 | 197.2 | 20,700 | 39.3 | 211.3 | 18,600 | 43.5 | 217.5 | 17,400 | 49.8 | 224.9 | 15,300 | 55.5 | 229.4 | 13,300 | | | | | | | 120 |
| 125 | 26.6 | 188.2 | 19,500 | 35.7 | 204.8 | 17,500 | 40.2 | 211.9 | 16,400 | 46.9 | 220.5 | 14,400 | 52.8 | 225.8 | 12,500 | | | | | | | 125 |
| 130 | 21.2 | 176.9 | 18,400 | 31.7 | 197.3 | 16,600 | 36.7 | 205.6 | 15,400 | 43.8 | 215.5 | 13,600 | 49.9 | 221.8 | 11,700 | | | | | | | 130 |
| 135 | 13.9 | 161.1 | 17,400 | 27.3 | 188.5 | 15,600 | 32.8 | 198.4 | 14,600 | 40.5 | 210.0 | 12,800 | 47.0 | 217.3 | 11,000 | 52.7 | 221.5 | 9,300 | | | | 135 |
| 140 | | | | 22.0 | 177.6 | 14,800 | 28.5 | 190.0 | 13,800 | 37.0 | 203.8 | 12,100 | 43.9 | 212.4 | 10,400 | 49.8 | 217.4 | 8,800 | | | | 140 |
| 145 | | | | 15.0 | 162.6 | 14,000 | 23.5 | 179.8 | 13,000 | 33.2 | 196.7 | 11,400 | 40.6 | 206.9 | 9,800 | 46.9 | 213.0 | 8,200 | | | | 145 |
| 150 | | | | | | | 17.1 | 166.2 | 12,300 | 28.9 | 188.4 | 10,800 | 37.1 | 200.7 | 9,200 | 43.8 | 208.1 | 7,700 | | | | 150 |
| 155 | | | | | | | 6.2 | 142.0 | 11,600 | 23.9 | 178.3 | 10,200 | 33.3 | 193.6 | 8,700 | 40.5 | 202.5 | 7,200 | 46.5 | 207.5 | 5,800 | 155 |
| 160 | | | | | | | | | | 17.7 | 165.1 | 9,600 | 29.0 | 185.3 | 8,200 | 37.0 | 196.3 | 6,800 | 43.4 | 202.5 | 5,400 | 160 |
| 165 | | | | | | | | | | 7.7 | 143.0 | 9,100 | 24.1 | 175.3 | 7,700 | 33.2 | 189.2 | 6,400 | 40.1 | 196.9 | 5,100 | 165 |
| 170 | | | | | | | | | | | | | 18.0 | 162.3 | 7,300 | 28.9 | 180.9 | 6,000 | 36.6 | 190.5 | 4,700 | 170 |
| 175 | | | | | | | | | | | | | 8.2 | 140.8 | 6,800 | 23.9 | 170.8 | 5,600 | 32.7 | 183.3 | 4,400 | 175 |
| 180 | | | | | | | | | | | | | | | | 17.7 | 157.6 | 5,200 | 28.4 | 174.8 | 4,100 | 180 |



Liftcrane Luffing Jib Capacities

777 SERIES 1

New York City Code
 Luffing Jib No. 139 on Boom No. 78
 105,000 Lb. Counterweight
 360 Degree Rating

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

120 Ft. Boom, 140 Ft. Jib

| Jib Oper. Rad. Feet | 88 Degree Boom Angle | | | 83 Degree Boom Angle | | | 80 Degree Boom Angle | | | 75 Degree Boom Angle | | | 70 Degree Boom Angle | | | Jib Oper. Rad. Feet |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | |
| 45 | 75.0 | 265.1 | 44,400 * | | | | | | | | | | | | | 45 |
| 50 | 72.9 | 263.7 | 43,600 * | | | | | | | | | | | | | 50 |
| 55 | 70.7 | 262.0 | 42,600 * | | | | | | | | | | | | | 55 |
| 60 | 68.5 | 260.2 | 41,000 * | | | | | | | | | | | | | 60 |
| 65 | 66.3 | 258.1 | 39,400 * | 71.0 | 261.3 | 36,900 | | | | | | | | | | 65 |
| 70 | 64.1 | 255.8 | 37,800 * | 68.8 | 259.5 | 33,300 | | | | | | | | | | 70 |
| 75 | 61.8 | 253.2 | 34,700 | 66.6 | 257.5 | 30,100 | | | | | | | | | | 75 |
| 80 | 59.4 | 250.4 | 31,700 | 64.4 | 255.2 | 27,500 | 67.2 | 257.0 | 24,900 | | | | | | | 80 |
| 85 | 57.0 | 247.3 | 29,100 | 62.1 | 252.7 | 25,100 | 65.0 | 254.8 | 22,700 | | | | | | | 85 |
| 90 | 54.5 | 243.9 | 26,800 | 59.7 | 249.9 | 23,100 | 62.7 | 252.4 | 20,800 | | | | | | | 90 |
| 95 | 52.0 | 240.2 | 24,800 | 57.3 | 246.8 | 21,300 | 60.4 | 249.6 | 19,100 | | | | | | | 95 |
| 100 | 49.3 | 236.1 | 23,000 | 54.9 | 243.5 | 19,600 | 58.0 | 246.7 | 17,600 | 62.9 | 250.2 | 14,300 | | | | 100 |
| 105 | 46.6 | 231.6 | 21,400 | 52.3 | 239.8 | 18,200 | 55.5 | 243.4 | 16,300 | 60.6 | 247.5 | 13,200 | | | | 105 |
| 110 | 43.7 | 226.6 | 19,900 | 49.7 | 235.7 | 16,900 | 53.0 | 239.8 | 15,100 | 58.2 | 244.5 | 12,100 | | | | 110 |
| 115 | 40.7 | 221.1 | 18,600 | 47.0 | 231.3 | 15,700 | 50.4 | 235.8 | 14,000 | 55.7 | 241.3 | 11,100 | | | | 115 |
| 120 | 37.4 | 214.9 | 17,400 | 44.1 | 226.4 | 14,600 | 47.7 | 231.5 | 13,000 | 53.2 | 237.7 | 10,300 | | | | 120 |
| 125 | 33.9 | 208.0 | 16,200 | 41.1 | 220.9 | 13,600 | 44.9 | 226.7 | 12,100 | 50.6 | 233.8 | 9,500 | 55.8 | 238.1 | 6,900 | 125 |
| 130 | 30.0 | 199.9 | 15,200 | 37.8 | 214.8 | 12,700 | 41.9 | 221.4 | 11,200 | 47.9 | 229.5 | 8,700 | 53.3 | 234.5 | 6,300 | 130 |
| 135 | 25.6 | 190.5 | 14,300 | 34.4 | 208.0 | 11,900 | 38.7 | 215.5 | 10,400 | 45.1 | 224.7 | 8,100 | 50.7 | 230.6 | 5,700 | 135 |
| 140 | 20.4 | 178.7 | 13,400 | 30.5 | 200.1 | 11,100 | 35.3 | 208.9 | 9,700 | 42.1 | 219.5 | 7,400 | 48.0 | 226.3 | 5,200 | 140 |
| 145 | 13.4 | 162.3 | 12,500 | 26.2 | 190.9 | 10,300 | 31.6 | 201.3 | 9,000 | 39.0 | 213.6 | 6,800 | 45.2 | 221.6 | 4,700 | 145 |
| 150 | | | | 21.2 | 179.5 | 9,700 | 27.5 | 192.5 | 8,400 | 35.6 | 207.1 | 6,300 | 42.2 | 216.4 | 4,200 | 150 |
| 155 | | | | 14.5 | 163.9 | 9,000 | 22.6 | 181.8 | 7,800 | 31.9 | 199.6 | 5,800 | | | | 155 |
| 160 | | | | | | | 16.5 | 167.7 | 7,200 | 27.8 | 190.9 | 5,300 | | | | 160 |
| 165 | | | | | | | 6.0 | 142.6 | 6,600 | 23.0 | 180.4 | 4,800 | | | | 165 |
| 170 | | | | | | | | | | 17.1 | 166.7 | 4,400 | | | | 170 |



Liftcrane Luffing Jib Capacities

New York City Code
 Luffing Jib No. 139 on Boom No. 78
 105,000 Lb. Counterweight
 360 Degree Rating

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

777 SERIES 1

120 Ft. Boom, 150 Ft. Jib

| Jib Oper. Rad. Feet | 88 Degree Boom Angle | | | 83 Degree Boom Angle | | | 80 Degree Boom Angle | | | 75 Degree Boom Angle | | | 70 Degree Boom Angle | | | Jib Oper. Rad. Feet |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | |
| 45 | 76.0 | 275.5 | 41,400 * | | | | | | | | | | | | | 45 |
| 50 | 74.1 | 274.1 | 40,700 * | | | | | | | | | | | | | 50 |
| 55 | 72.1 | 272.6 | 39,400 * | | | | | | | | | | | | | 55 |
| 60 | 70.0 | 270.9 | 37,900 * | | | | | | | | | | | | | 60 |
| 65 | 68.0 | 269.0 | 36,300 * | | | | | | | | | | | | | 65 |
| 70 | 65.9 | 266.8 | 34,800 * | 70.3 | 270.2 | 33,100 | | | | | | | | | | 70 |
| 75 | 63.8 | 264.5 | 33,300 * | 68.3 | 268.3 | 30,000 | | | | | | | | | | 75 |
| 80 | 61.7 | 261.9 | 31,600 | 66.2 | 266.2 | 27,300 | | | | | | | | | | 80 |
| 85 | 59.5 | 259.1 | 29,000 | 64.1 | 263.9 | 25,000 | 66.7 | 265.8 | 22,600 | | | | | | | 85 |
| 90 | 57.2 | 256.0 | 26,700 | 61.9 | 261.3 | 22,900 | 64.6 | 263.5 | 20,700 | | | | | | | 90 |
| 95 | 54.9 | 252.6 | 24,700 | 59.7 | 258.5 | 21,100 | 62.5 | 261.0 | 19,000 | | | | | | | 95 |
| 100 | 52.6 | 249.0 | 22,800 | 57.5 | 255.5 | 19,500 | 60.3 | 258.3 | 17,500 | | | | | | | 100 |
| 105 | 50.1 | 245.0 | 21,200 | 55.2 | 252.2 | 18,000 | 58.1 | 255.3 | 16,100 | 62.7 | 258.8 | 13,000 | | | | 105 |
| 110 | 47.6 | 240.6 | 19,800 | 52.9 | 248.5 | 16,700 | 55.8 | 252.1 | 14,900 | 60.5 | 256.1 | 11,900 | | | | 110 |
| 115 | 44.9 | 235.8 | 18,400 | 50.4 | 244.6 | 15,600 | 53.5 | 248.5 | 13,800 | 58.3 | 253.2 | 11,000 | | | | 115 |
| 120 | 42.2 | 230.5 | 17,200 | 47.9 | 240.3 | 14,500 | 51.1 | 244.7 | 12,800 | 56.0 | 249.9 | 10,100 | | | | 120 |
| 125 | 39.2 | 224.7 | 16,100 | 45.3 | 235.5 | 13,500 | 48.6 | 240.4 | 11,900 | 53.7 | 246.4 | 9,300 | | | | 125 |
| 130 | 36.1 | 218.3 | 15,100 | 42.5 | 230.3 | 12,600 | 46.0 | 235.8 | 11,100 | 51.3 | 242.6 | 8,600 | 56.1 | 246.8 | 6,100 | 130 |
| 135 | 32.7 | 211.0 | 14,200 | 39.6 | 224.6 | 11,700 | 43.3 | 230.8 | 10,300 | 48.8 | 238.4 | 7,900 | 53.8 | 243.2 | 5,600 | 135 |
| 140 | 29.0 | 202.6 | 13,300 | 36.5 | 218.2 | 11,000 | 40.4 | 225.2 | 9,600 | 46.2 | 233.8 | 7,300 | 51.4 | 239.4 | 5,000 | 140 |
| 145 | 24.8 | 192.7 | 12,500 | 33.2 | 211.0 | 10,200 | 37.4 | 219.0 | 8,900 | 43.5 | 228.8 | 6,700 | 48.9 | 235.2 | 4,500 | 145 |
| 150 | 19.7 | 180.5 | 11,700 | 29.5 | 202.8 | 9,600 | 34.1 | 212.0 | 8,300 | 40.6 | 223.2 | 6,200 | 46.3 | 230.7 | 4,100 | 150 |
| 155 | 12.9 | 163.4 | 11,000 | 25.3 | 193.2 | 8,900 | 30.5 | 204.1 | 7,700 | 37.6 | 217.1 | 5,600 | | | | 155 |
| 160 | | | | 20.4 | 181.3 | 8,300 | 26.5 | 194.9 | 7,100 | 34.4 | 210.2 | 5,200 | | | | 160 |
| 165 | | | | 14.0 | 165.2 | 7,800 | 21.8 | 183.8 | 6,600 | 30.8 | 202.4 | 4,700 | | | | 165 |
| 170 | | | | | | | 15.9 | 169.1 | 6,100 | 26.8 | 193.3 | 4,300 | | | | 170 |
| 175 | | | | | | | 5.8 | 143.1 | 5,600 | | | | | | | 175 |



Liftcrane Luffing Jib Capacities

777 SERIES 1

New York City Code
 Luffing Jib No. 139 on Boom No. 78
 105,000 Lb. Counterweight
 360 Degree Rating

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

120 Ft. Boom, 160 Ft. Jib

| Jib Oper. Rad. Feet | 88 Degree Boom Angle | | | 83 Degree Boom Angle | | | 80 Degree Boom Angle | | | 75 Degree Boom Angle | | | Jib Oper. Rad. Feet |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | |
| 50 | 75.1 | 284.5 | 37,700 * | | | | | | | | | | 50 |
| 55 | 73.2 | 283.1 | 36,100 * | | | | | | | | | | 55 |
| 60 | 71.3 | 281.5 | 34,600 * | | | | | | | | | | 60 |
| 65 | 69.4 | 279.7 | 33,200 * | | | | | | | | | | 65 |
| 70 | 67.5 | 277.7 | 31,800 * | | | | | | | | | | 70 |
| 75 | 65.6 | 275.5 | 30,300 * | 69.7 | 279.0 | 29,500 | | | | | | | 75 |
| 80 | 63.6 | 273.2 | 29,000 * | 67.8 | 277.1 | 26,900 | | | | | | | 80 |
| 85 | 61.6 | 270.6 | 27,600 * | 65.8 | 274.9 | 24,500 | | | | | | | 85 |
| 90 | 59.5 | 267.7 | 26,300 * | 63.8 | 272.6 | 22,500 | 66.3 | 274.5 | 20,200 | | | | 90 |
| 95 | 57.4 | 264.7 | 24,300 | 61.8 | 270.0 | 20,700 | 64.4 | 272.2 | 18,500 | | | | 95 |
| 100 | 55.2 | 261.3 | 22,500 | 59.8 | 267.2 | 19,100 | 62.4 | 269.7 | 17,000 | | | | 100 |
| 105 | 53.0 | 257.7 | 20,900 | 57.7 | 264.2 | 17,600 | 60.3 | 267.0 | 15,700 | | | | 105 |
| 110 | 50.8 | 253.8 | 19,400 | 55.5 | 260.9 | 16,300 | 58.2 | 264.0 | 14,500 | 62.5 | 267.5 | 11,500 | 110 |
| 115 | 48.4 | 249.6 | 18,100 | 53.3 | 257.3 | 15,200 | 56.1 | 260.8 | 13,400 | 60.5 | 264.8 | 10,500 | 115 |
| 120 | 46.0 | 244.9 | 16,900 | 51.1 | 253.4 | 14,100 | 53.9 | 257.3 | 12,400 | 58.4 | 261.8 | 9,600 | 120 |
| 125 | 43.4 | 239.9 | 15,800 | 48.7 | 249.2 | 13,100 | 51.7 | 253.5 | 11,500 | 56.3 | 258.6 | 8,800 | 125 |
| 130 | 40.8 | 234.3 | 14,800 | 46.3 | 244.6 | 12,200 | 49.3 | 249.3 | 10,700 | 54.1 | 255.2 | 8,100 | 130 |
| 135 | 37.9 | 228.2 | 13,800 | 43.8 | 239.6 | 11,400 | 46.9 | 244.9 | 9,900 | 51.9 | 251.4 | 7,400 | 135 |
| 140 | 34.9 | 221.5 | 13,000 | 41.1 | 234.1 | 10,600 | 44.4 | 240.0 | 9,200 | 49.5 | 247.3 | 6,800 | 140 |
| 145 | 31.6 | 213.8 | 12,100 | 38.3 | 228.1 | 9,900 | 41.8 | 234.6 | 8,500 | 47.1 | 242.8 | 6,200 | 145 |
| 150 | 28.0 | 205.1 | 11,400 | 35.3 | 221.4 | 9,200 | 39.1 | 228.8 | 7,900 | 44.6 | 238.0 | 5,700 | 150 |
| 155 | 24.0 | 194.9 | 10,700 | 32.1 | 213.9 | 8,600 | 36.1 | 222.3 | 7,300 | 42.0 | 232.7 | 5,200 | 155 |
| 160 | 19.1 | 182.2 | 10,000 | 28.5 | 205.4 | 8,000 | 33.0 | 215.0 | 6,800 | 39.3 | 226.9 | 4,700 | 160 |
| 165 | 12.5 | 164.5 | 9,400 | 24.5 | 195.4 | 7,400 | 29.5 | 206.8 | 6,200 | 36.4 | 220.4 | 4,300 | 165 |
| 170 | | | | 19.8 | 183.1 | 6,900 | 25.6 | 197.2 | 5,800 | | | | 170 |
| 175 | | | | 13.5 | 166.4 | 6,400 | 21.1 | 185.6 | 5,300 | | | | 175 |
| 180 | | | | | | | 15.4 | 170.5 | 4,800 | | | | 180 |



Liftcrane Luffing Jib Capacities

New York City Code
 Luffing Jib No. 139 on Boom No. 78
 105,000 Lb. Counterweight
 360 Degree Rating

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

777 SERIES 1

120 Ft. Boom, 170 Ft. Jib

| Jib Oper. Rad. Feet | 88 Degree Boom Angle | | | 83 Degree Boom Angle | | | 80 Degree Boom Angle | | | 75 Degree Boom Angle | | | Jib Oper. Rad. Feet |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | |
| 50 | 76.0 | 294.8 | 33,200 * | | | | | | | | | | 50 |
| 55 | 74.2 | 293.5 | 33,000 * | | | | | | | | | | 55 |
| 60 | 72.5 | 292.0 | 31,900 * | | | | | | | | | | 60 |
| 65 | 70.7 | 290.3 | 30,600 * | | | | | | | | | | 65 |
| 70 | 68.9 | 288.5 | 29,200 * | | | | | | | | | | 70 |
| 75 | 67.1 | 286.5 | 27,800 * | 70.9 | 289.6 | 29,200 | | | | | | | 75 |
| 80 | 65.2 | 284.3 | 26,500 * | 69.1 | 287.8 | 26,500 | | | | | | | 80 |
| 85 | 63.4 | 281.8 | 25,200 * | 67.3 | 285.8 | 24,200 | | | | | | | 85 |
| 90 | 61.5 | 279.2 | 24,000 * | 65.5 | 283.6 | 22,200 | 67.8 | 285.4 | 19,800 | | | | 90 |
| 95 | 59.5 | 276.4 | 22,800 * | 63.6 | 281.2 | 20,400 | 66.0 | 283.2 | 18,200 | | | | 95 |
| 100 | 57.6 | 273.3 | 21,600 * | 61.7 | 278.7 | 18,700 | 64.1 | 280.9 | 16,700 | | | | 100 |
| 105 | 55.5 | 270.0 | 20,500 * | 59.8 | 275.9 | 17,300 | 62.2 | 278.4 | 15,300 | | | | 105 |
| 110 | 53.5 | 266.5 | 19,100 | 57.8 | 272.8 | 16,000 | 60.3 | 275.6 | 14,100 | | | | 110 |
| 115 | 51.3 | 262.6 | 17,800 | 55.8 | 269.6 | 14,800 | 58.3 | 272.7 | 13,100 | 62.4 | 276.2 | 10,100 | 115 |
| 120 | 49.1 | 258.5 | 16,600 | 53.7 | 266.0 | 13,800 | 56.3 | 269.4 | 12,100 | 60.5 | 273.5 | 9,300 | 120 |
| 125 | 46.9 | 254.0 | 15,500 | 51.6 | 262.2 | 12,800 | 54.3 | 266.0 | 11,100 | 58.5 | 270.5 | 8,500 | 125 |
| 130 | 44.5 | 249.1 | 14,500 | 49.4 | 258.1 | 11,900 | 52.2 | 262.3 | 10,300 | 56.5 | 267.3 | 7,800 | 130 |
| 135 | 42.1 | 243.8 | 13,500 | 47.2 | 253.6 | 11,000 | 50.0 | 258.2 | 9,500 | 54.5 | 263.9 | 7,100 | 135 |
| 140 | 39.5 | 238.0 | 12,700 | 44.8 | 248.8 | 10,300 | 47.8 | 253.9 | 8,800 | 52.4 | 260.2 | 6,500 | 140 |
| 145 | 36.8 | 231.6 | 11,900 | 42.4 | 243.6 | 9,500 | 45.5 | 249.1 | 8,200 | 50.2 | 256.2 | 5,900 | 145 |
| 150 | 33.8 | 224.5 | 11,100 | 39.8 | 237.8 | 8,900 | 43.0 | 244.0 | 7,600 | 48.0 | 251.8 | 5,400 | 150 |
| 155 | 30.7 | 216.6 | 10,400 | 37.1 | 231.5 | 8,300 | 40.5 | 238.4 | 7,000 | 45.7 | 247.1 | 4,900 | 155 |
| 160 | 27.2 | 207.6 | 9,700 | 34.2 | 224.6 | 7,700 | 37.8 | 232.3 | 6,400 | 43.2 | 242.0 | 4,400 | 160 |
| 165 | 23.2 | 197.0 | 9,100 | 31.1 | 216.8 | 7,100 | 35.0 | 225.5 | 5,900 | 40.7 | 236.5 | 4,000 | 165 |
| 170 | 18.5 | 183.9 | 8,500 | 27.7 | 207.9 | 6,600 | 32.0 | 217.9 | 5,500 | | | | 170 |
| 175 | 12.1 | 165.6 | 8,000 | 23.8 | 197.5 | 6,100 | 28.6 | 209.4 | 5,000 | | | | 175 |
| 180 | | | | 19.2 | 184.8 | 5,600 | 24.9 | 199.4 | 4,600 | | | | 180 |



Liftcrane Luffing Jib Capacities

777 SERIES 1

New York City Code
 Luffing Jib No. 139 on Boom No. 78
 105,000 Lb. Counterweight
 360 Degree Rating

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

130 Ft. Boom, 70 Ft. Jib

| Jib Oper. Rad. Feet | 88 Degree Boom Angle | | | 83 Degree Boom Angle | | | 80 Degree Boom Angle | | | 75 Degree Boom Angle | | | 70 Degree Boom Angle | | | 65 Degree Boom Angle | | | 60 Degree Boom Angle | | | Jib Oper. Rad. Feet |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | |
| 35 | 68.3 | 204.9 | 95,000 *b | | | | | | | | | | | | | | | | | | | 35 |
| 40 | 63.8 | 202.7 | 89,600 b | | | | | | | | | | | | | | | | | | | 40 |
| 45 | 59.2 | 200.0 | 76,600 | 69.6 | 204.5 | 70,200 b | | | | | | | | | | | | | | | | 45 |
| 50 | 54.3 | 196.7 | 66,800 | 65.2 | 202.4 | 61,200 b | | | | | | | | | | | | | | | | 50 |
| 55 | 49.1 | 192.8 | 59,100 | 60.6 | 199.9 | 54,100 b | 66.9 | 202.2 | 51,100 b | | | | | | | | | | | | | 55 |
| 60 | 43.4 | 188.0 | 52,900 | 55.8 | 196.8 | 48,400 | 62.3 | 199.8 | 45,700 b | | | | | | | | | | | | | 60 |
| 65 | 37.1 | 182.1 | 47,800 | 50.7 | 193.0 | 43,700 | 57.6 | 196.9 | 41,200 | | | | | | | | | | | | | 65 |
| 70 | 29.6 | 174.5 | 43,500 | 45.2 | 188.5 | 39,700 | 52.6 | 193.4 | 37,500 | | | | | | | | | | | | | 70 |
| 75 | 19.8 | 163.6 | 39,800 | 39.1 | 183.0 | 36,400 | 47.3 | 189.2 | 34,300 | 58.8 | 195.1 | 30,800 | | | | | | | | | | 75 |
| 80 | | | | 32.0 | 176.0 | 33,500 | 41.4 | 184.1 | 31,600 | 53.9 | 191.8 | 28,400 | | | | | | | | | | 80 |
| 85 | | | | 23.2 | 166.4 | 30,900 | 34.8 | 177.7 | 29,200 | 48.7 | 187.8 | 26,200 | | | | | | | | | | 85 |
| 90 | | | | 7.8 | 148.4 | 28,600 | 26.8 | 169.3 | 27,000 | 42.9 | 182.9 | 24,300 | 54.9 | 188.9 | 21,600 | | | | | | | 90 |
| 95 | | | | | | | 15.4 | 156.3 | 25,100 | 36.5 | 176.9 | 22,600 | 49.7 | 185.1 | 20,000 | | | | | | | 95 |
| 100 | | | | | | | | | | 29.0 | 169.1 | 21,100 | 44.1 | 180.4 | 18,700 | | | | | | | 100 |
| 105 | | | | | | | | | | 18.9 | 157.8 | 19,700 | 37.9 | 174.6 | 17,400 | 50.4 | 181.1 | 15,200 | | | | 105 |
| 110 | | | | | | | | | | | | | 30.6 | 167.3 | 16,300 | 44.9 | 176.5 | 14,200 | | | | 110 |
| 115 | | | | | | | | | | | | | 21.2 | 157.0 | 15,300 | 38.7 | 170.9 | 13,300 | | | | 115 |
| 120 | | | | | | | | | | | | | | | | 31.6 | 163.8 | 12,500 | 45.1 | 171.3 | 10,600 | 120 |
| 125 | | | | | | | | | | | | | | | | 22.6 | 154.1 | 11,700 | 39.0 | 165.8 | 10,000 | 125 |
| 130 | | | | | | | | | | | | | | | | 6.0 | 134.5 | 10,900 | 31.9 | 158.8 | 9,300 | 130 |
| 135 | | | | | | | | | | | | | | | | | | | 23.1 | 149.2 | 8,700 | 135 |
| 140 | | | | | | | | | | | | | | | | | | | 7.5 | 130.8 | 8,100 | 140 |



Liftcrane Luffing Jib Capacities

777 SERIES 1

New York City Code
 Luffing Jib No. 139 on Boom No. 78
 105,000 Lb. Counterweight
 360 Degree Rating

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

130 Ft. Boom, 80 Ft. Jib

| Jib Oper. Rad. Feet | 88 Degree Boom Angle | | | 83 Degree Boom Angle | | | 80 Degree Boom Angle | | | 75 Degree Boom Angle | | | 70 Degree Boom Angle | | | 65 Degree Boom Angle | | | 60 Degree Boom Angle | | | Jib Oper. Rad. Feet |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | |
| 35 | 71.1 | 215.6 | 85,200 *b | | | | | | | | | | | | | | | | | | | 35 |
| 40 | 67.3 | 213.7 | 82,400 *b | | | | | | | | | | | | | | | | | | | 40 |
| 45 | 63.4 | 211.4 | 76,400 | | | | | | | | | | | | | | | | | | | 45 |
| 50 | 59.3 | 208.7 | 66,600 | 68.5 | 213.3 | 60,800 b | | | | | | | | | | | | | | | | 50 |
| 55 | 55.0 | 205.4 | 58,900 | 64.6 | 211.1 | 53,700 | | | | | | | | | | | | | | | | 55 |
| 60 | 50.5 | 201.6 | 52,700 | 60.5 | 208.5 | 48,000 | 66.0 | 210.9 | 45,300 b | | | | | | | | | | | | | 60 |
| 65 | 45.7 | 197.1 | 47,600 | 56.3 | 205.5 | 43,300 | 62.0 | 208.5 | 40,800 | | | | | | | | | | | | | 65 |
| 70 | 40.5 | 191.8 | 43,300 | 51.9 | 201.9 | 39,400 | 57.9 | 205.6 | 37,100 | | | | | | | | | | | | | 70 |
| 75 | 34.6 | 185.3 | 39,600 | 47.2 | 197.6 | 36,100 | 53.6 | 202.2 | 33,900 | | | | | | | | | | | | | 75 |
| 80 | 27.7 | 177.0 | 36,500 | 42.1 | 192.5 | 33,200 | 49.0 | 198.2 | 31,200 | 59.0 | 203.8 | 27,900 | | | | | | | | | | 80 |
| 85 | 18.5 | 165.3 | 33,700 | 36.5 | 186.4 | 30,700 | 44.0 | 193.4 | 28,800 | 54.7 | 200.5 | 25,800 | | | | | | | | | | 85 |
| 90 | | | | 29.9 | 178.8 | 28,500 | 38.6 | 187.7 | 26,800 | 50.2 | 196.7 | 23,900 | | | | | | | | | | 90 |
| 95 | | | | 21.7 | 168.4 | 26,500 | 32.5 | 180.7 | 24,900 | 45.3 | 192.1 | 22,200 | 55.6 | 197.6 | 19,600 | | | | | | | 95 |
| 100 | | | | 7.3 | 149.1 | 24,600 | 25.0 | 171.6 | 23,200 | 40.0 | 186.7 | 20,700 | 51.1 | 193.9 | 18,200 | | | | | | | 100 |
| 105 | | | | | | | 14.4 | 157.6 | 21,700 | 34.1 | 180.1 | 19,400 | 46.3 | 189.5 | 17,000 | | | | | | | 105 |
| 110 | | | | | | | | | | 27.1 | 171.6 | 18,100 | 41.1 | 184.3 | 15,900 | 51.7 | 189.9 | 13,800 | | | | 110 |
| 115 | | | | | | | | | | 17.6 | 159.5 | 17,000 | 35.3 | 177.9 | 14,900 | 46.9 | 185.6 | 12,900 | | | | 115 |
| 120 | | | | | | | | | | | | | 28.6 | 169.9 | 14,000 | 41.8 | 180.5 | 12,100 | | | | 120 |
| 125 | | | | | | | | | | | | | 19.8 | 158.8 | 13,200 | 36.1 | 174.3 | 11,300 | 47.1 | 180.4 | 9,500 | 125 |
| 130 | | | | | | | | | | | | | | | | 29.5 | 166.6 | 10,600 | 42.0 | 175.3 | 8,900 | 130 |
| 135 | | | | | | | | | | | | | | | | 21.1 | 156.0 | 10,000 | 36.4 | 169.2 | 8,300 | 135 |
| 140 | | | | | | | | | | | | | | | | 5.6 | 135.0 | 9,300 | 29.8 | 161.5 | 7,800 | 140 |
| 145 | | | | | | | | | | | | | | | | | | | 21.6 | 151.1 | 7,300 | 145 |
| 150 | | | | | | | | | | | | | | | | | | | 7.0 | 131.5 | 6,800 | 150 |



Liftcrane Luffing Jib Capacities

777 SERIES 1

New York City Code
 Luffing Jib No. 139 on Boom No. 78
 105,000 Lb. Counterweight
 360 Degree Rating

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

130 Ft. Boom, 90 Ft. Jib

| Jib Oper. Rad. Feet | 88 Degree Boom Angle | | | 83 Degree Boom Angle | | | 80 Degree Boom Angle | | | 75 Degree Boom Angle | | | 70 Degree Boom Angle | | | 65 Degree Boom Angle | | | 60 Degree Boom Angle | | | Jib Oper. Rad. Feet |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | |
| 35 | 73.3 | 226.1 | 78,300 *b | | | | | | | | | | | | | | | | | | | 35 |
| 40 | 69.9 | 224.4 | 75,900 *b | | | | | | | | | | | | | | | | | | | 40 |
| 45 | 66.5 | 222.4 | 73,300 * | | | | | | | | | | | | | | | | | | | 45 |
| 50 | 63.0 | 220.1 | 66,400 | 71.0 | 224.0 | 60,600 b | | | | | | | | | | | | | | | | 50 |
| 55 | 59.4 | 217.3 | 58,700 | 67.6 | 222.1 | 53,500 | | | | | | | | | | | | | | | | 55 |
| 60 | 55.6 | 214.1 | 52,500 | 64.1 | 219.8 | 47,800 | | | | | | | | | | | | | | | | 60 |
| 65 | 51.6 | 210.4 | 47,400 | 60.5 | 217.2 | 43,100 | 65.4 | 219.6 | 40,600 | | | | | | | | | | | | | 65 |
| 70 | 47.5 | 206.2 | 43,100 | 56.7 | 214.1 | 39,200 | 61.8 | 217.1 | 36,900 | | | | | | | | | | | | | 70 |
| 75 | 43.0 | 201.2 | 39,500 | 52.9 | 210.6 | 35,900 | 58.1 | 214.3 | 33,700 | | | | | | | | | | | | | 75 |
| 80 | 38.1 | 195.4 | 36,300 | 48.7 | 206.5 | 33,000 | 54.3 | 210.9 | 31,000 | 62.7 | 215.2 | 27,700 | | | | | | | | | | 80 |
| 85 | 32.6 | 188.3 | 33,600 | 44.4 | 201.8 | 30,500 | 50.3 | 207.0 | 28,600 | 59.1 | 212.4 | 25,500 | | | | | | | | | | 85 |
| 90 | 26.0 | 179.4 | 31,200 | 39.6 | 196.2 | 28,300 | 46.0 | 202.6 | 26,500 | 55.3 | 209.2 | 23,600 | | | | | | | | | | 90 |
| 95 | 17.4 | 166.9 | 29,000 | 34.3 | 189.6 | 26,300 | 41.4 | 197.3 | 24,700 | 51.3 | 205.5 | 22,000 | | | | | | | | | | 95 |
| 100 | | | | 28.2 | 181.4 | 24,600 | 36.3 | 191.1 | 23,100 | 47.1 | 201.2 | 20,500 | 56.1 | 206.3 | 18,000 | | | | | | | 100 |
| 105 | | | | 20.4 | 170.3 | 23,000 | 30.6 | 183.6 | 21,600 | 42.6 | 196.1 | 19,200 | 52.1 | 202.7 | 16,800 | | | | | | | 105 |
| 110 | | | | 6.9 | 149.7 | 21,500 | 23.6 | 173.8 | 20,200 | 37.7 | 190.2 | 17,900 | 48.0 | 198.5 | 15,700 | | | | | | | 110 |
| 115 | | | | | | | 13.5 | 158.9 | 19,000 | 32.1 | 183.0 | 16,800 | 43.5 | 193.6 | 14,700 | 52.6 | 198.7 | 12,600 | | | | 115 |
| 120 | | | | | | | | | | 25.5 | 173.9 | 15,800 | 38.7 | 187.9 | 13,800 | 48.5 | 194.6 | 11,800 | | | | 120 |
| 125 | | | | | | | | | | 16.6 | 161.0 | 14,900 | 33.3 | 181.0 | 13,000 | 44.1 | 189.8 | 11,100 | | | | 125 |
| 130 | | | | | | | | | | | | | 26.9 | 172.4 | 12,200 | 39.3 | 184.2 | 10,400 | | | | 130 |
| 135 | | | | | | | | | | | | | 18.7 | 160.5 | 11,500 | 34.0 | 177.5 | 9,800 | 44.3 | 184.6 | 8,100 | 135 |
| 140 | | | | | | | | | | | | | | | | 27.8 | 169.1 | 9,200 | 39.5 | 179.0 | 7,600 | 140 |
| 145 | | | | | | | | | | | | | | | | 19.9 | 157.8 | 8,600 | 34.2 | 172.4 | 7,100 | 145 |
| 150 | | | | | | | | | | | | | | | | 5.3 | 135.5 | 8,000 | 28.1 | 164.1 | 6,600 | 150 |
| 155 | | | | | | | | | | | | | | | | | | | 20.3 | 153.0 | 6,200 | 155 |
| 160 | | | | | | | | | | | | | | | | | | | 6.6 | 132.1 | 5,700 | 160 |



Liftcrane Luffing Jib Capacities

777 SERIES 1

New York City Code
 Luffing Jib No. 139 on Boom No. 78
 105,000 Lb. Counterweight
 360 Degree Rating

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

130 Ft. Boom, 100 Ft. Jib

| Jib Oper. Rad. Feet | 88 Degree Boom Angle | | | 83 Degree Boom Angle | | | 80 Degree Boom Angle | | | 75 Degree Boom Angle | | | 70 Degree Boom Angle | | | 65 Degree Boom Angle | | | 60 Degree Boom Angle | | | Jib Oper. Rad. Feet |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | |
| 35 | 75.0 | 236.5 | 71,700 *b | | | | | | | | | | | | | | | | | | | 35 |
| 40 | 72.0 | 235.0 | 69,600 *b | | | | | | | | | | | | | | | | | | | 40 |
| 45 | 69.0 | 233.2 | 67,500 * | | | | | | | | | | | | | | | | | | | 45 |
| 50 | 65.9 | 231.2 | 65,400 * | | | | | | | | | | | | | | | | | | | 50 |
| 55 | 62.7 | 228.7 | 58,500 | 69.9 | 232.8 | 53,100 | | | | | | | | | | | | | | | | 55 |
| 60 | 59.4 | 226.0 | 52,200 | 66.8 | 230.8 | 47,500 | | | | | | | | | | | | | | | | 60 |
| 65 | 56.0 | 222.8 | 47,100 | 63.7 | 228.5 | 42,800 | 68.0 | 230.5 | 40,200 | | | | | | | | | | | | | 65 |
| 70 | 52.5 | 219.2 | 42,900 | 60.4 | 225.9 | 38,900 | 64.8 | 228.3 | 36,500 | | | | | | | | | | | | | 70 |
| 75 | 48.8 | 215.1 | 39,200 | 57.1 | 222.8 | 35,500 | 61.6 | 225.8 | 33,300 | | | | | | | | | | | | | 75 |
| 80 | 44.9 | 210.4 | 36,100 | 53.6 | 219.4 | 32,700 | 58.3 | 222.9 | 30,600 | | | | | | | | | | | | | 80 |
| 85 | 40.7 | 205.0 | 33,400 | 49.9 | 215.4 | 30,200 | 54.9 | 219.6 | 28,300 | 62.5 | 223.9 | 25,100 | | | | | | | | | | 85 |
| 90 | 36.0 | 198.7 | 31,000 | 46.1 | 210.9 | 28,000 | 51.3 | 215.9 | 26,200 | 59.2 | 221.1 | 23,200 | | | | | | | | | | 90 |
| 95 | 30.8 | 191.1 | 28,800 | 42.0 | 205.8 | 26,000 | 47.5 | 211.6 | 24,400 | 55.8 | 217.9 | 21,600 | | | | | | | | | | 95 |
| 100 | 24.7 | 181.6 | 26,900 | 37.5 | 199.7 | 24,300 | 43.5 | 206.7 | 22,700 | 52.2 | 214.3 | 20,100 | | | | | | | | | | 100 |
| 105 | 16.5 | 168.4 | 25,200 | 32.5 | 192.6 | 22,700 | 39.2 | 201.0 | 21,300 | 48.5 | 210.1 | 18,800 | 56.5 | 215.0 | 16,300 | | | | | | | 105 |
| 110 | | | | 26.7 | 183.8 | 21,300 | 34.4 | 194.3 | 19,900 | 44.6 | 205.4 | 17,600 | 52.9 | 211.5 | 15,300 | | | | | | | 110 |
| 115 | | | | 19.4 | 172.0 | 20,000 | 29.0 | 186.2 | 18,700 | 40.3 | 199.9 | 16,500 | 49.3 | 207.4 | 14,300 | | | | | | | 115 |
| 120 | | | | 6.5 | 150.3 | 18,800 | 22.3 | 175.8 | 17,600 | 35.7 | 193.5 | 15,500 | 45.4 | 202.8 | 13,400 | | | | | | | 120 |
| 125 | | | | | | | 12.8 | 160.0 | 16,600 | 30.4 | 185.8 | 14,600 | 41.2 | 197.5 | 12,600 | 49.7 | 203.5 | 10,600 | | | | 125 |
| 130 | | | | | | | | | | 24.2 | 176.1 | 13,700 | 36.6 | 191.3 | 11,800 | 45.9 | 198.9 | 10,000 | | | | 130 |
| 135 | | | | | | | | | | 15.8 | 162.4 | 12,900 | 31.5 | 183.9 | 11,100 | 41.7 | 193.7 | 9,300 | | | | 135 |
| 140 | | | | | | | | | | | | | 25.5 | 174.7 | 10,500 | 37.2 | 187.7 | 8,800 | 46.0 | 193.7 | 7,100 | 140 |
| 145 | | | | | | | | | | | | | 17.7 | 162.1 | 9,900 | 32.2 | 180.5 | 8,200 | 41.9 | 188.6 | 6,600 | 145 |
| 150 | | | | | | | | | | | | | | | | 26.3 | 171.5 | 7,700 | 37.4 | 182.5 | 6,200 | 150 |
| 155 | | | | | | | | | | | | | | | | 18.9 | 159.5 | 7,200 | 32.4 | 175.4 | 5,800 | 155 |
| 160 | | | | | | | | | | | | | | | | 5.0 | 135.9 | 6,700 | 26.6 | 166.5 | 5,400 | 160 |
| 165 | | | | | | | | | | | | | | | | | | | 19.3 | 154.7 | 5,000 | 165 |
| 170 | | | | | | | | | | | | | | | | | | | 6.2 | 132.6 | 4,600 | 170 |



Liftcrane Luffing Jib Capacities

777 SERIES 1

**New York City Code
Luffing Jib No. 139 on Boom No. 78
105,000 Lb. Counterweight
360 Degree Rating**

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

130 Ft. Boom, 110 Ft. Jib

| Jib Oper. Rad. Feet | 88 Degree Boom Angle | | | 83 Degree Boom Angle | | | 80 Degree Boom Angle | | | 75 Degree Boom Angle | | | 70 Degree Boom Angle | | | 65 Degree Boom Angle | | | 60 Degree Boom Angle | | | Jib Oper. Rad. Feet |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | |
| 40 | 73.7 | 245.5 | 64,100 * | | | | | | | | | | | | | | | | | | | 40 |
| 45 | 71.0 | 243.9 | 62,300 * | | | | | | | | | | | | | | | | | | | 45 |
| 50 | 68.2 | 242.0 | 60,300 * | | | | | | | | | | | | | | | | | | | 50 |
| 55 | 65.4 | 239.9 | 58,200 * | | | | | | | | | | | | | | | | | | | 55 |
| 60 | 62.5 | 237.4 | 52,200 | 69.0 | 241.6 | 47,400 | | | | | | | | | | | | | | | | 60 |
| 65 | 59.5 | 234.6 | 47,100 | 66.2 | 239.5 | 42,700 | | | | | | | | | | | | | | | | 65 |
| 70 | 56.4 | 231.5 | 42,800 | 63.3 | 237.2 | 38,800 | 67.3 | 239.3 | 36,400 | | | | | | | | | | | | | 70 |
| 75 | 53.2 | 228.0 | 39,200 | 60.4 | 234.5 | 35,500 | 64.4 | 237.0 | 33,200 | | | | | | | | | | | | | 75 |
| 80 | 49.9 | 224.0 | 36,100 | 57.3 | 231.5 | 32,600 | 61.5 | 234.5 | 30,500 | | | | | | | | | | | | | 80 |
| 85 | 46.4 | 219.5 | 33,300 | 54.2 | 228.1 | 30,100 | 58.5 | 231.6 | 28,200 | | | | | | | | | | | | | 85 |
| 90 | 42.7 | 214.5 | 30,900 | 50.9 | 224.3 | 27,900 | 55.4 | 228.3 | 26,100 | 62.2 | 232.6 | 23,200 | | | | | | | | | | 90 |
| 95 | 38.7 | 208.6 | 28,800 | 47.5 | 220.0 | 26,000 | 52.1 | 224.7 | 24,300 | 59.3 | 229.8 | 21,500 | | | | | | | | | | 95 |
| 100 | 34.3 | 201.9 | 26,900 | 43.8 | 215.1 | 24,300 | 48.8 | 220.5 | 22,700 | 56.2 | 226.6 | 20,000 | | | | | | | | | | 100 |
| 105 | 29.4 | 193.8 | 25,200 | 39.9 | 209.5 | 22,700 | 45.2 | 215.9 | 21,200 | 53.0 | 223.0 | 18,700 | | | | | | | | | | 105 |
| 110 | 23.5 | 183.8 | 23,700 | 35.7 | 203.0 | 21,300 | 41.4 | 210.6 | 19,900 | 49.6 | 219.0 | 17,500 | 56.8 | 223.7 | 15,200 | | | | | | | 110 |
| 115 | 15.8 | 169.8 | 22,300 | 30.9 | 195.4 | 20,100 | 37.3 | 204.5 | 18,700 | 46.1 | 214.5 | 16,400 | 53.6 | 220.2 | 14,200 | | | | | | | 115 |
| 120 | | | | 25.4 | 186.1 | 18,900 | 32.8 | 197.3 | 17,600 | 42.4 | 209.4 | 15,400 | 50.3 | 216.3 | 13,300 | | | | | | | 120 |
| 125 | | | | 18.4 | 173.7 | 17,800 | 27.6 | 188.7 | 16,600 | 38.4 | 203.5 | 14,500 | 46.8 | 211.9 | 12,500 | | | | | | | 125 |
| 130 | | | | 6.2 | 150.8 | 16,800 | 21.3 | 177.7 | 15,600 | 34.0 | 196.7 | 13,700 | 43.2 | 206.9 | 11,800 | 50.7 | 212.3 | 9,900 | | | | 130 |
| 135 | | | | | | | 12.2 | 161.1 | 14,800 | 29.0 | 188.5 | 12,900 | 39.2 | 201.2 | 11,100 | 47.3 | 208.0 | 9,300 | | | | 135 |
| 140 | | | | | | | | | | 23.0 | 178.2 | 12,200 | 34.9 | 194.5 | 10,400 | 43.6 | 203.1 | 8,700 | | | | 140 |
| 145 | | | | | | | | | | 15.0 | 163.7 | 11,500 | 30.0 | 186.7 | 9,800 | 39.7 | 197.4 | 8,200 | 47.4 | 202.8 | 6,600 | 145 |
| 150 | | | | | | | | | | | | | 24.3 | 176.9 | 9,300 | 35.4 | 191.0 | 7,700 | 43.8 | 197.9 | 6,100 | 150 |
| 155 | | | | | | | | | | | | | 16.9 | 163.6 | 8,700 | 30.7 | 183.3 | 7,200 | 39.9 | 192.3 | 5,700 | 155 |
| 160 | | | | | | | | | | | | | | | | 25.1 | 173.8 | 6,800 | 35.6 | 185.8 | 5,400 | 160 |
| 165 | | | | | | | | | | | | | | | | 18.0 | 161.2 | 6,400 | 30.9 | 178.2 | 5,000 | 165 |
| 170 | | | | | | | | | | | | | | | | 4.8 | 136.4 | 5,900 | 25.4 | 168.8 | 4,600 | 170 |
| 175 | | | | | | | | | | | | | | | | | | | 18.3 | 156.4 | 4,300 | 175 |
| 180 | | | | | | | | | | | | | | | | | | | 5.9 | 133.1 | 4,000 | 180 |



Liftcrane Luffing Jib Capacities

New York City Code
 Luffing Jib No. 139 on Boom No. 78
 105,000 Lb. Counterweight
 360 Degree Rating

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

777 SERIES 1

130 Ft. Boom, 120 Ft. Jib

| Jib Oper. Rad. Feet | 88 Degree Boom Angle | | | 83 Degree Boom Angle | | | 80 Degree Boom Angle | | | 75 Degree Boom Angle | | | 70 Degree Boom Angle | | | 65 Degree Boom Angle | | | Jib Oper. Rad. Feet |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | |
| 40 | 75.1 | 255.8 | 50,900 * | | | | | | | | | | | | | | | | 40 |
| 45 | 72.6 | 254.4 | 49,900 * | | | | | | | | | | | | | | | | 45 |
| 50 | 70.1 | 252.7 | 49,000 * | | | | | | | | | | | | | | | | 50 |
| 55 | 67.5 | 250.8 | 48,200 * | | | | | | | | | | | | | | | | 55 |
| 60 | 64.9 | 248.6 | 47,400 * | 70.9 | 252.2 | 47,000 | | | | | | | | | | | | | 60 |
| 65 | 62.3 | 246.1 | 46,200 * | 68.3 | 250.4 | 42,400 | | | | | | | | | | | | | 65 |
| 70 | 59.5 | 243.3 | 42,600 | 65.7 | 248.3 | 38,500 | | | | | | | | | | | | | 70 |
| 75 | 56.7 | 240.2 | 38,900 | 63.1 | 245.9 | 35,100 | 66.7 | 248.0 | 32,900 | | | | | | | | | | 75 |
| 80 | 53.8 | 236.7 | 35,800 | 60.4 | 243.2 | 32,300 | 64.1 | 245.7 | 30,200 | | | | | | | | | | 80 |
| 85 | 50.8 | 232.9 | 33,100 | 57.6 | 240.2 | 29,800 | 61.4 | 243.1 | 27,800 | | | | | | | | | | 85 |
| 90 | 47.6 | 228.5 | 30,700 | 54.7 | 236.8 | 27,600 | 58.6 | 240.2 | 25,800 | | | | | | | | | | 90 |
| 95 | 44.3 | 223.7 | 28,600 | 51.7 | 233.1 | 25,700 | 55.8 | 237.0 | 24,000 | 62.1 | 241.2 | 21,100 | | | | | | | 95 |
| 100 | 40.8 | 218.3 | 26,700 | 48.6 | 228.9 | 24,000 | 52.8 | 233.4 | 22,300 | 59.3 | 238.4 | 19,600 | | | | | | | 100 |
| 105 | 37.0 | 212.1 | 25,000 | 45.3 | 224.2 | 22,400 | 49.8 | 229.4 | 20,900 | 56.5 | 235.3 | 18,300 | | | | | | | 105 |
| 110 | 32.8 | 204.9 | 23,500 | 41.9 | 219.0 | 21,000 | 46.6 | 224.9 | 19,600 | 53.6 | 231.8 | 17,100 | | | | | | | 110 |
| 115 | 28.1 | 196.4 | 22,100 | 38.2 | 213.0 | 19,800 | 43.2 | 219.9 | 18,400 | 50.6 | 227.9 | 16,100 | 57.1 | 232.4 | 13,800 | | | | 115 |
| 120 | 22.5 | 185.8 | 20,800 | 34.1 | 206.2 | 18,600 | 39.6 | 214.3 | 17,300 | 47.4 | 223.5 | 15,100 | 54.2 | 228.9 | 12,900 | | | | 120 |
| 125 | 15.1 | 171.1 | 19,600 | 29.6 | 198.1 | 17,500 | 35.7 | 207.8 | 16,300 | 44.1 | 218.7 | 14,200 | 51.2 | 225.1 | 12,100 | | | | 125 |
| 130 | | | | 24.3 | 188.3 | 16,600 | 31.3 | 200.2 | 15,400 | 40.5 | 213.2 | 13,400 | 48.0 | 220.9 | 11,400 | | | | 130 |
| 135 | | | | 17.7 | 175.3 | 15,600 | 26.4 | 191.1 | 14,500 | 36.7 | 206.9 | 12,600 | 44.7 | 216.1 | 10,700 | 51.6 | 221.1 | 8,900 | 135 |
| 140 | | | | 6.0 | 151.4 | 14,800 | 20.4 | 179.6 | 13,700 | 32.5 | 199.6 | 11,900 | 41.2 | 210.7 | 10,100 | 48.4 | 216.9 | 8,300 | 140 |
| 145 | | | | | | | 11.7 | 162.2 | 12,900 | 27.7 | 191.0 | 11,200 | 37.5 | 204.6 | 9,500 | 45.2 | 212.3 | 7,800 | 145 |
| 150 | | | | | | | | | | 22.0 | 180.2 | 10,600 | 33.3 | 197.6 | 8,900 | 41.7 | 207.0 | 7,300 | 150 |
| 155 | | | | | | | | | | 14.4 | 165.0 | 10,000 | 28.7 | 189.3 | 8,400 | 38.0 | 201.0 | 6,800 | 155 |
| 160 | | | | | | | | | | | | | 23.3 | 179.0 | 7,900 | 33.9 | 194.1 | 6,400 | 160 |
| 165 | | | | | | | | | | | | | 16.2 | 165.1 | 7,400 | 29.3 | 185.9 | 6,000 | 165 |
| 170 | | | | | | | | | | | | | | | | 24.0 | 176.0 | 5,600 | 170 |
| 175 | | | | | | | | | | | | | | | | 17.2 | 162.7 | 5,200 | 175 |
| 180 | | | | | | | | | | | | | | | | 4.6 | 136.8 | 4,900 | 180 |



Liftcrane Luffing Jib Capacities

777 SERIES 1

New York City Code
 Luffing Jib No. 139 on Boom No. 78
 105,000 Lb. Counterweight
 360 Degree Rating

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

130 Ft. Boom, 130 Ft. Jib

| Jib Oper. Rad. Feet | 88 Degree Boom Angle | | | 83 Degree Boom Angle | | | 80 Degree Boom Angle | | | 75 Degree Boom Angle | | | 70 Degree Boom Angle | | | Jib Oper. Rad. Feet |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | |
| 45 | 74.0 | 264.8 | 46,800 * | | | | | | | | | | | | | 45 |
| 50 | 71.7 | 263.3 | 46,000 * | | | | | | | | | | | | | 50 |
| 55 | 69.3 | 261.5 | 45,300 * | | | | | | | | | | | | | 55 |
| 60 | 67.0 | 259.5 | 44,400 * | | | | | | | | | | | | | 60 |
| 65 | 64.6 | 257.3 | 42,600 | 70.1 | 261.1 | 36,800 | | | | | | | | | | 65 |
| 70 | 62.1 | 254.8 | 38,500 | 67.7 | 259.2 | 33,200 | | | | | | | | | | 70 |
| 75 | 59.6 | 252.0 | 35,000 | 65.3 | 257.0 | 30,100 | | | | | | | | | | 75 |
| 80 | 57.0 | 248.9 | 32,000 | 62.8 | 254.5 | 27,400 | 66.2 | 256.7 | 24,700 | | | | | | | 80 |
| 85 | 54.3 | 245.5 | 29,400 | 60.3 | 251.8 | 25,100 | 63.7 | 254.4 | 22,600 | | | | | | | 85 |
| 90 | 51.5 | 241.7 | 27,100 | 57.8 | 248.8 | 23,100 | 61.3 | 251.8 | 20,700 | | | | | | | 90 |
| 95 | 48.7 | 237.5 | 25,100 | 55.1 | 245.5 | 21,300 | 58.7 | 248.9 | 19,000 | | | | | | | 95 |
| 100 | 45.7 | 232.9 | 23,300 | 52.4 | 241.9 | 19,700 | 56.1 | 245.7 | 17,600 | 61.9 | 249.9 | 14,000 | | | | 100 |
| 105 | 42.5 | 227.7 | 21,700 | 49.5 | 237.8 | 18,300 | 53.4 | 242.2 | 16,200 | 59.4 | 247.1 | 12,900 | | | | 105 |
| 110 | 39.1 | 221.9 | 20,200 | 46.6 | 233.3 | 17,000 | 50.6 | 238.3 | 15,000 | 56.8 | 244.0 | 11,800 | | | | 110 |
| 115 | 35.5 | 215.3 | 18,900 | 43.5 | 228.3 | 15,800 | 47.7 | 234.0 | 14,000 | 54.1 | 240.5 | 10,900 | | | | 115 |
| 120 | 31.5 | 207.8 | 17,700 | 40.2 | 222.7 | 14,700 | 44.6 | 229.2 | 13,000 | 51.3 | 236.7 | 10,100 | 57.3 | 241.0 | 7,200 | 120 |
| 125 | 27.0 | 198.8 | 16,500 | 36.6 | 216.4 | 13,700 | 41.4 | 223.8 | 12,100 | 48.4 | 232.5 | 9,300 | 54.6 | 237.7 | 6,600 | 125 |
| 130 | 21.6 | 187.8 | 15,500 | 32.7 | 209.2 | 12,800 | 38.0 | 217.8 | 11,200 | 45.4 | 227.8 | 8,600 | 51.9 | 233.9 | 6,000 | 130 |
| 135 | 14.5 | 172.4 | 14,500 | 28.4 | 200.7 | 12,000 | 34.2 | 210.9 | 10,500 | 42.2 | 222.6 | 7,900 | 49.0 | 229.8 | 5,400 | 135 |
| 140 | | | | 23.4 | 190.4 | 11,200 | 30.1 | 202.9 | 9,700 | 38.9 | 216.8 | 7,300 | 46.0 | 225.2 | 4,900 | 140 |
| 145 | | | | 17.0 | 176.8 | 10,500 | 25.3 | 193.4 | 9,100 | 35.2 | 210.1 | 6,700 | 42.9 | 220.1 | 4,400 | 145 |
| 150 | | | | 5.7 | 151.9 | 9,700 | 19.6 | 181.3 | 8,400 | 31.2 | 202.5 | 6,200 | 39.5 | 214.4 | 4,000 | 150 |
| 155 | | | | | | | 11.3 | 163.2 | 7,800 | 26.6 | 193.4 | 5,700 | | | | 155 |
| 160 | | | | | | | | | | 21.2 | 182.1 | 5,200 | | | | 160 |
| 165 | | | | | | | | | | 13.8 | 166.3 | 4,700 | | | | 165 |



Liftcrane Luffing Jib Capacities

New York City Code
 Luffing Jib No. 139 on Boom No. 78
 105,000 Lb. Counterweight
 360 Degree Rating

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

777 SERIES 1

130 Ft. Boom, 140 Ft. Jib

| Jib Oper. Rad. Feet | 88 Degree Boom Angle | | | 83 Degree Boom Angle | | | 80 Degree Boom Angle | | | 75 Degree Boom Angle | | | Jib Oper. Rad. Feet |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | |
| 45 | 75.2 | 275.2 | 43,700 * | | | | | | | | | | 45 |
| 50 | 73.0 | 273.8 | 43,000 * | | | | | | | | | | 50 |
| 55 | 70.9 | 272.2 | 42,300 * | | | | | | | | | | 55 |
| 60 | 68.7 | 270.3 | 40,800 * | | | | | | | | | | 60 |
| 65 | 66.5 | 268.3 | 39,200 * | | | | | | | | | | 65 |
| 70 | 64.2 | 266.0 | 37,700 * | 69.4 | 269.9 | 32,700 | | | | | | | 70 |
| 75 | 61.9 | 263.4 | 34,700 | 67.2 | 267.9 | 29,600 | | | | | | | 75 |
| 80 | 59.6 | 260.6 | 31,700 | 64.9 | 265.7 | 27,000 | 68.0 | 267.6 | 24,200 | | | | 80 |
| 85 | 57.2 | 257.5 | 29,100 | 62.6 | 263.2 | 24,700 | 65.7 | 265.5 | 22,100 | | | | 85 |
| 90 | 54.7 | 254.2 | 26,800 | 60.3 | 260.5 | 22,700 | 63.5 | 263.1 | 20,200 | | | | 90 |
| 95 | 52.2 | 250.5 | 24,800 | 57.9 | 257.5 | 20,900 | 61.2 | 260.5 | 18,600 | | | | 95 |
| 100 | 49.5 | 246.4 | 22,900 | 55.5 | 254.2 | 19,300 | 58.8 | 257.6 | 17,100 | | | | 100 |
| 105 | 46.8 | 241.9 | 21,300 | 53.0 | 250.6 | 17,800 | 56.4 | 254.4 | 15,800 | 61.8 | 258.6 | 12,300 | 105 |
| 110 | 43.9 | 237.0 | 19,900 | 50.3 | 246.7 | 16,600 | 53.9 | 250.9 | 14,600 | 59.4 | 255.7 | 11,300 | 110 |
| 115 | 40.9 | 231.5 | 18,500 | 47.6 | 242.3 | 15,400 | 51.3 | 247.1 | 13,500 | 57.0 | 252.6 | 10,400 | 115 |
| 120 | 37.6 | 225.4 | 17,300 | 44.8 | 237.5 | 14,300 | 48.6 | 242.9 | 12,500 | 54.5 | 249.2 | 9,600 | 120 |
| 125 | 34.2 | 218.5 | 16,200 | 41.8 | 232.2 | 13,300 | 45.9 | 238.3 | 11,600 | 52.0 | 245.5 | 8,800 | 125 |
| 130 | 30.3 | 210.5 | 15,200 | 38.6 | 226.3 | 12,400 | 42.9 | 233.2 | 10,800 | 49.3 | 241.4 | 8,100 | 130 |
| 135 | 26.0 | 201.2 | 14,200 | 35.2 | 219.7 | 11,600 | 39.8 | 227.5 | 10,000 | 46.6 | 236.9 | 7,400 | 135 |
| 140 | 20.8 | 189.6 | 13,300 | 31.5 | 212.1 | 10,800 | 36.5 | 221.1 | 9,300 | 43.7 | 231.9 | 6,800 | 140 |
| 145 | 14.0 | 173.7 | 12,500 | 27.4 | 203.2 | 10,100 | 32.9 | 213.9 | 8,700 | 40.6 | 226.4 | 6,300 | 145 |
| 150 | | | | 22.5 | 192.4 | 9,400 | 29.0 | 205.6 | 8,000 | 37.4 | 220.2 | 5,700 | 150 |
| 155 | | | | 16.3 | 178.3 | 8,800 | 24.4 | 195.6 | 7,500 | 33.9 | 213.2 | 5,200 | 155 |
| 160 | | | | 5.5 | 152.4 | 8,100 | 18.8 | 183.0 | 6,900 | 30.0 | 205.2 | 4,800 | 160 |
| 165 | | | | | | | 10.8 | 164.1 | 6,400 | 25.6 | 195.7 | 4,300 | 165 |



Liftcrane Luffing Jib Capacities

777 SERIES 1

New York City Code
 Luffing Jib No. 139 on Boom No. 78
 105,000 Lb. Counterweight
 360 Degree Rating

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

130 Ft. Boom, 150 Ft. Jib

| Jib Oper. Rad. Feet | 88 Degree Boom Angle | | | 83 Degree Boom Angle | | | 80 Degree Boom Angle | | | 75 Degree Boom Angle | | | Jib Oper. Rad. Feet |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | |
| 50 | 74.2 | 284.2 | 40,100 * | | | | | | | | | | 50 |
| 55 | 72.2 | 282.7 | 39,200 * | | | | | | | | | | 55 |
| 60 | 70.2 | 281.0 | 37,700 * | | | | | | | | | | 60 |
| 65 | 68.1 | 279.1 | 36,200 * | | | | | | | | | | 65 |
| 70 | 66.1 | 277.0 | 34,800 * | 70.8 | 280.5 | 32,500 | | | | | | | 70 |
| 75 | 64.0 | 274.6 | 33,300 * | 68.8 | 278.7 | 29,500 | | | | | | | 75 |
| 80 | 61.8 | 272.1 | 31,500 | 66.7 | 276.6 | 26,800 | | | | | | | 80 |
| 85 | 59.6 | 269.3 | 28,900 | 64.6 | 274.4 | 24,500 | 67.5 | 276.3 | 21,900 | | | | 85 |
| 90 | 57.4 | 266.2 | 26,600 | 62.5 | 271.9 | 22,500 | 65.4 | 274.2 | 20,000 | | | | 90 |
| 95 | 55.1 | 262.9 | 24,600 | 60.3 | 269.2 | 20,700 | 63.3 | 271.8 | 18,400 | | | | 95 |
| 100 | 52.7 | 259.2 | 22,800 | 58.1 | 266.2 | 19,100 | 61.1 | 269.1 | 16,900 | | | | 100 |
| 105 | 50.3 | 255.3 | 21,200 | 55.8 | 262.9 | 17,700 | 58.9 | 266.2 | 15,600 | | | | 105 |
| 110 | 47.7 | 250.9 | 19,700 | 53.4 | 259.4 | 16,400 | 56.6 | 263.1 | 14,400 | 61.6 | 267.2 | 11,200 | 110 |
| 115 | 45.1 | 246.2 | 18,400 | 51.0 | 255.5 | 15,200 | 54.3 | 259.6 | 13,400 | 59.5 | 264.4 | 10,200 | 115 |
| 120 | 42.3 | 240.9 | 17,200 | 48.5 | 251.3 | 14,200 | 51.9 | 255.9 | 12,400 | 57.2 | 261.3 | 9,400 | 120 |
| 125 | 39.4 | 235.2 | 16,100 | 45.9 | 246.6 | 13,200 | 49.5 | 251.8 | 11,500 | 54.9 | 257.9 | 8,600 | 125 |
| 130 | 36.3 | 228.7 | 15,100 | 43.2 | 241.6 | 12,300 | 46.9 | 247.3 | 10,700 | 52.5 | 254.3 | 7,900 | 130 |
| 135 | 33.0 | 221.5 | 14,100 | 40.3 | 236.0 | 11,500 | 44.2 | 242.4 | 9,900 | 50.1 | 250.3 | 7,300 | 135 |
| 140 | 29.3 | 213.2 | 13,300 | 37.3 | 229.7 | 10,700 | 41.4 | 237.0 | 9,200 | 47.5 | 245.9 | 6,700 | 140 |
| 145 | 25.1 | 203.5 | 12,400 | 34.0 | 222.8 | 10,000 | 38.4 | 231.0 | 8,500 | 44.9 | 241.1 | 6,100 | 145 |
| 150 | 20.1 | 191.4 | 11,700 | 30.4 | 214.8 | 9,300 | 35.2 | 224.4 | 7,900 | 42.1 | 235.8 | 5,600 | 150 |
| 155 | 13.5 | 174.9 | 10,900 | 26.4 | 205.6 | 8,700 | 31.8 | 216.8 | 7,400 | 39.2 | 230.0 | 5,100 | 155 |
| 160 | | | | 21.7 | 194.4 | 8,100 | 28.0 | 208.1 | 6,800 | 36.1 | 223.5 | 4,700 | 160 |
| 165 | | | | 15.8 | 179.7 | 7,600 | 23.6 | 197.8 | 6,300 | 32.7 | 216.2 | 4,200 | 165 |
| 170 | | | | 5.3 | 152.8 | 7,000 | 18.2 | 184.6 | 5,800 | | | | 170 |
| 175 | | | | | | | 10.5 | 165.1 | 5,300 | | | | 175 |



Liftcrane Luffing Jib Capacities

New York City Code
 Luffing Jib No. 139 on Boom No. 78
 105,000 Lb. Counterweight
 360 Degree Rating

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

777 SERIES 1

130 Ft. Boom, 160 Ft. Jib

| Jib Oper. Rad. Feet | 88 Degree Boom Angle | | | 83 Degree Boom Angle | | | 80 Degree Boom Angle | | | 75 Degree Boom Angle | | | Jib Oper. Rad. Feet |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | |
| 50 | 75.2 | 294.6 | 37,000 * | | | | | | | | | | 50 |
| 55 | 73.3 | 293.2 | 35,900 * | | | | | | | | | | 55 |
| 60 | 71.5 | 291.6 | 34,500 * | | | | | | | | | | 60 |
| 65 | 69.6 | 289.8 | 33,100 * | | | | | | | | | | 65 |
| 70 | 67.6 | 287.9 | 31,700 * | | | | | | | | | | 70 |
| 75 | 65.7 | 285.7 | 30,300 * | 70.1 | 289.4 | 29,000 | | | | | | | 75 |
| 80 | 63.7 | 283.3 | 29,000 * | 68.2 | 287.5 | 26,400 | | | | | | | 80 |
| 85 | 61.7 | 280.8 | 27,700 * | 66.3 | 285.4 | 24,100 | | | | | | | 85 |
| 90 | 59.6 | 277.9 | 26,300 | 64.3 | 283.1 | 22,100 | 67.0 | 285.1 | 19,600 | | | | 90 |
| 95 | 57.5 | 274.9 | 24,300 | 62.3 | 280.6 | 20,300 | 65.0 | 282.9 | 17,900 | | | | 95 |
| 100 | 55.4 | 271.6 | 22,500 | 60.3 | 277.8 | 18,700 | 63.1 | 280.4 | 16,500 | | | | 100 |
| 105 | 53.2 | 268.0 | 20,800 | 58.2 | 274.8 | 17,300 | 61.0 | 277.8 | 15,200 | | | | 105 |
| 110 | 50.9 | 264.1 | 19,400 | 56.1 | 271.6 | 16,000 | 59.0 | 274.9 | 14,000 | | | | 110 |
| 115 | 48.6 | 259.9 | 18,100 | 53.9 | 268.1 | 14,800 | 56.8 | 271.8 | 12,900 | 61.5 | 275.9 | 9,700 | 115 |
| 120 | 46.1 | 255.3 | 16,800 | 51.6 | 264.3 | 13,800 | 54.7 | 268.4 | 11,900 | 59.5 | 273.1 | 8,900 | 120 |
| 125 | 43.6 | 250.2 | 15,700 | 49.3 | 260.2 | 12,800 | 52.5 | 264.7 | 11,000 | 57.4 | 270.0 | 8,200 | 125 |
| 130 | 40.9 | 244.7 | 14,700 | 46.9 | 255.7 | 11,900 | 50.2 | 260.7 | 10,200 | 55.2 | 266.7 | 7,500 | 130 |
| 135 | 38.1 | 238.7 | 13,800 | 44.4 | 250.8 | 11,100 | 47.8 | 256.3 | 9,500 | 53.0 | 263.0 | 6,800 | 135 |
| 140 | 35.1 | 231.9 | 12,900 | 41.8 | 245.4 | 10,300 | 45.3 | 251.6 | 8,800 | 50.7 | 259.1 | 6,200 | 140 |
| 145 | 31.9 | 224.4 | 12,100 | 39.0 | 239.6 | 9,600 | 42.7 | 246.4 | 8,100 | 48.4 | 254.9 | 5,700 | 145 |
| 150 | 28.3 | 215.8 | 11,400 | 36.1 | 233.1 | 9,000 | 40.0 | 240.7 | 7,500 | 46.0 | 250.2 | 5,100 | 150 |
| 155 | 24.3 | 205.6 | 10,600 | 32.9 | 225.8 | 8,300 | 37.2 | 234.5 | 6,900 | 43.4 | 245.2 | 4,700 | 155 |
| 160 | 19.5 | 193.2 | 10,000 | 29.4 | 217.5 | 7,800 | 34.1 | 227.5 | 6,400 | 40.7 | 239.6 | 4,200 | 160 |
| 165 | 13.1 | 176.0 | 9,300 | 25.6 | 207.9 | 7,200 | 30.8 | 219.6 | 5,900 | | | | 165 |
| 170 | | | | 21.0 | 196.3 | 6,700 | 27.0 | 210.6 | 5,400 | | | | 170 |
| 175 | | | | 15.3 | 181.0 | 6,200 | 22.8 | 199.8 | 5,000 | | | | 175 |
| 180 | | | | 5.2 | 153.3 | 5,700 | 17.6 | 186.2 | 4,600 | | | | 180 |



Liftcrane Luffing Jib Capacities

777 SERIES 1

New York City Code
 Luffing Jib No. 139 on Boom No. 78
 105,000 Lb. Counterweight
 360 Degree Rating

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

130 Ft. Boom, 170 Ft. Jib

| Jib Oper. Rad. Feet | 88 Degree Boom Angle | | | 83 Degree Boom Angle | | | 80 Degree Boom Angle | | | 75 Degree Boom Angle | | | Jib Oper. Rad. Feet |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | |
| 55 | 74.4 | 303.6 | 32,400 * | | | | | | | | | | 55 |
| 60 | 72.6 | 302.1 | 31,800 * | | | | | | | | | | 60 |
| 65 | 70.8 | 300.4 | 30,500 * | | | | | | | | | | 65 |
| 70 | 69.0 | 298.6 | 29,100 * | | | | | | | | | | 70 |
| 75 | 67.2 | 296.6 | 27,800 * | | | | | | | | | | 75 |
| 80 | 65.4 | 294.4 | 26,500 * | 69.6 | 298.2 | 26,000 | | | | | | | 80 |
| 85 | 63.5 | 292.0 | 25,300 * | 67.8 | 296.2 | 23,700 | | | | | | | 85 |
| 90 | 61.6 | 289.4 | 24,100 * | 65.9 | 294.1 | 21,700 | | | | | | | 90 |
| 95 | 59.7 | 286.6 | 22,900 * | 64.1 | 291.8 | 20,000 | 66.6 | 293.8 | 17,600 | | | | 95 |
| 100 | 57.7 | 283.6 | 21,700 * | 62.2 | 289.2 | 18,400 | 64.8 | 291.6 | 16,100 | | | | 100 |
| 105 | 55.7 | 280.3 | 20,500 | 60.3 | 286.5 | 16,900 | 62.9 | 289.1 | 14,800 | | | | 105 |
| 110 | 53.6 | 276.7 | 19,100 | 58.3 | 283.5 | 15,700 | 61.0 | 286.4 | 13,600 | | | | 110 |
| 115 | 51.5 | 272.9 | 17,800 | 56.3 | 280.3 | 14,500 | 59.0 | 283.6 | 12,600 | | | | 115 |
| 120 | 49.3 | 268.8 | 16,500 | 54.2 | 276.8 | 13,400 | 57.0 | 280.4 | 11,600 | 61.5 | 284.6 | 8,500 | 120 |
| 125 | 47.0 | 264.3 | 15,400 | 52.1 | 273.1 | 12,500 | 55.0 | 277.1 | 10,700 | 59.5 | 281.7 | 7,800 | 125 |
| 130 | 44.7 | 259.4 | 14,400 | 50.0 | 269.0 | 11,600 | 52.9 | 273.4 | 9,900 | 57.5 | 278.7 | 7,100 | 130 |
| 135 | 42.2 | 254.2 | 13,500 | 47.7 | 264.7 | 10,800 | 50.8 | 269.5 | 9,100 | 55.5 | 275.4 | 6,400 | 135 |
| 140 | 39.7 | 248.4 | 12,600 | 45.4 | 259.9 | 10,000 | 48.6 | 265.3 | 8,400 | 53.4 | 271.8 | 5,800 | 140 |
| 145 | 36.9 | 242.1 | 11,800 | 43.0 | 254.8 | 9,300 | 46.3 | 260.7 | 7,800 | 51.3 | 267.9 | 5,300 | 145 |
| 150 | 34.0 | 235.1 | 11,100 | 40.5 | 249.2 | 8,600 | 43.9 | 255.7 | 7,200 | 49.1 | 263.8 | 4,800 | 150 |
| 155 | 30.9 | 227.2 | 10,400 | 37.8 | 243.0 | 8,000 | 41.4 | 250.3 | 6,600 | 46.9 | 259.3 | 4,300 | 155 |
| 160 | 27.5 | 218.2 | 9,700 | 34.9 | 236.3 | 7,500 | 38.8 | 244.3 | 6,100 | | | | 160 |
| 165 | 23.5 | 207.8 | 9,100 | 31.9 | 228.7 | 6,900 | 36.0 | 237.8 | 5,600 | | | | 165 |
| 170 | 18.9 | 194.9 | 8,500 | 28.5 | 220.1 | 6,400 | 33.0 | 230.5 | 5,100 | | | | 170 |
| 175 | 12.7 | 177.2 | 7,900 | 24.8 | 210.1 | 5,900 | 29.8 | 222.3 | 4,700 | | | | 175 |
| 180 | | | | 20.4 | 198.1 | 5,500 | 26.2 | 212.9 | 4,300 | | | | 180 |
| 190 | | | | 5.0 | 153.7 | 4,600 | | | | | | | 190 |



Liftcrane Luffing Jib Capacities

777 SERIES 1

New York City Code
 Luffing Jib No. 139 on Boom No. 78
 105,000 Lb. Counterweight
 360 Degree Rating

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

140 Ft. Boom, 70 Ft. Jib

| Jib Oper. Rad. Feet | 88 Degree Boom Angle | | | 83 Degree Boom Angle | | | 80 Degree Boom Angle | | | 75 Degree Boom Angle | | | 70 Degree Boom Angle | | | 65 Degree Boom Angle | | | 60 Degree Boom Angle | | | Jib Oper. Rad. Feet |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | |
| 35 | 68.6 | 215.1 | 90,600 *b | | | | | | | | | | | | | | | | | | | 35 |
| 40 | 64.2 | 212.9 | 84,800 *b | | | | | | | | | | | | | | | | | | | 40 |
| 45 | 59.5 | 210.2 | 76,800 b | | | | | | | | | | | | | | | | | | | 45 |
| 50 | 54.6 | 207.0 | 67,000 | 66.3 | 212.9 | 60,700 b | | | | | | | | | | | | | | | | 50 |
| 55 | 49.4 | 203.1 | 59,200 | 61.8 | 210.5 | 53,700 b | | | | | | | | | | | | | | | | 55 |
| 60 | 43.8 | 198.3 | 53,000 | 57.0 | 207.5 | 48,000 | 63.9 | 210.5 | 45,000 b | | | | | | | | | | | | | 60 |
| 65 | 37.5 | 192.5 | 47,900 | 52.0 | 203.9 | 43,300 | 59.3 | 207.8 | 40,600 b | | | | | | | | | | | | | 65 |
| 70 | 30.2 | 185.1 | 43,600 | 46.6 | 199.6 | 39,400 | 54.4 | 204.6 | 36,900 | | | | | | | | | | | | | 70 |
| 75 | 20.6 | 174.5 | 39,900 | 40.6 | 194.4 | 36,100 | 49.2 | 200.6 | 33,800 | 61.3 | 206.3 | 30,000 b | | | | | | | | | | 75 |
| 80 | | | | 33.9 | 187.8 | 33,200 | 43.5 | 195.9 | 31,100 | 56.5 | 203.2 | 27,600 | | | | | | | | | | 80 |
| 85 | | | | 25.6 | 179.1 | 30,700 | 37.2 | 190.0 | 28,700 | 51.4 | 199.6 | 25,500 | | | | | | | | | | 85 |
| 90 | | | | 13.3 | 164.9 | 28,400 | 29.8 | 182.4 | 26,700 | 46.0 | 195.2 | 23,600 | | | | | | | | | | 90 |
| 95 | | | | | | | 20.0 | 171.6 | 24,800 | 40.0 | 189.8 | 22,000 | 53.3 | 197.2 | 19,100 | | | | | | | 95 |
| 100 | | | | | | | | | | 33.1 | 183.1 | 20,500 | 48.0 | 193.1 | 17,800 | | | | | | | 100 |
| 105 | | | | | | | | | | 24.6 | 174.0 | 19,100 | 42.2 | 188.1 | 16,700 | | | | | | | 105 |
| 110 | | | | | | | | | | 11.3 | 158.5 | 17,900 | 35.7 | 181.9 | 15,600 | 49.6 | 189.5 | 13,300 | | | | 110 |
| 115 | | | | | | | | | | | | | 28.0 | 173.9 | 14,600 | 44.0 | 184.8 | 12,400 | | | | 115 |
| 120 | | | | | | | | | | | | | 17.3 | 161.9 | 13,700 | 37.7 | 179.0 | 11,600 | | | | 120 |
| 125 | | | | | | | | | | | | | | | | 30.4 | 171.6 | 10,900 | 45.1 | 180.0 | 9,000 | 125 |
| 130 | | | | | | | | | | | | | | | | 20.9 | 161.2 | 10,200 | 39.0 | 174.4 | 8,400 | 130 |
| 135 | | | | | | | | | | | | | | | | | | | 31.9 | 167.4 | 7,800 | 135 |
| 140 | | | | | | | | | | | | | | | | | | | 23.1 | 157.8 | 7,300 | 140 |
| 145 | | | | | | | | | | | | | | | | | | | 7.5 | 139.5 | 6,800 | 145 |



Liftcrane Luffing Jib Capacities

777 SERIES 1

**New York City Code
Luffing Jib No. 139 on Boom No. 78
105,000 Lb. Counterweight
360 Degree Rating**

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

140 Ft. Boom, 80 Ft. Jib

| Jib Oper. Rad. Feet | 88 Degree Boom Angle | | | 83 Degree Boom Angle | | | 80 Degree Boom Angle | | | 75 Degree Boom Angle | | | 70 Degree Boom Angle | | | 65 Degree Boom Angle | | | 60 Degree Boom Angle | | | Jib Oper. Rad. Feet |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | |
| 35 | 71.4 | 225.7 | 83,500 *b | | | | | | | | | | | | | | | | | | | 35 |
| 40 | 67.6 | 223.8 | 80,700 *b | | | | | | | | | | | | | | | | | | | 40 |
| 45 | 63.6 | 221.6 | 75,900 * | | | | | | | | | | | | | | | | | | | 45 |
| 50 | 59.6 | 218.9 | 66,700 | 69.4 | 223.7 | 60,300 b | | | | | | | | | | | | | | | | 50 |
| 55 | 55.3 | 215.7 | 59,000 | 65.5 | 221.6 | 53,300 b | | | | | | | | | | | | | | | | 55 |
| 60 | 50.8 | 211.9 | 52,800 | 61.5 | 219.1 | 47,700 | 67.4 | 221.5 | 44,600 b | | | | | | | | | | | | | 60 |
| 65 | 46.1 | 207.5 | 47,600 | 57.4 | 216.2 | 43,000 | 63.4 | 219.2 | 40,200 | | | | | | | | | | | | | 65 |
| 70 | 40.9 | 202.2 | 43,400 | 53.0 | 212.7 | 39,100 | 59.4 | 216.5 | 36,600 | | | | | | | | | | | | | 70 |
| 75 | 35.0 | 195.8 | 39,700 | 48.4 | 208.6 | 35,800 | 55.1 | 213.3 | 33,400 | | | | | | | | | | | | | 75 |
| 80 | 28.2 | 187.7 | 36,500 | 43.4 | 203.8 | 32,900 | 50.6 | 209.5 | 30,800 | 61.1 | 214.9 | 27,200 | | | | | | | | | | 80 |
| 85 | 19.3 | 176.3 | 33,800 | 37.9 | 197.9 | 30,400 | 45.8 | 205.0 | 28,400 | 56.9 | 211.9 | 25,100 | | | | | | | | | | 85 |
| 90 | | | | 31.6 | 190.7 | 28,200 | 40.6 | 199.7 | 26,400 | 52.5 | 208.4 | 23,200 | | | | | | | | | | 90 |
| 95 | | | | 23.9 | 181.2 | 26,300 | 34.7 | 193.2 | 24,500 | 47.9 | 204.2 | 21,600 | | | | | | | | | | 95 |
| 100 | | | | 12.4 | 166.0 | 24,500 | 27.8 | 185.0 | 22,900 | 42.8 | 199.3 | 20,100 | 54.2 | 205.9 | 17,400 | | | | | | | 100 |
| 105 | | | | | | | 18.7 | 173.3 | 21,400 | 37.3 | 193.3 | 18,800 | 49.6 | 202.0 | 16,200 | | | | | | | 105 |
| 110 | | | | | | | | | | 30.9 | 185.9 | 17,600 | 44.7 | 197.4 | 15,200 | | | | | | | 110 |
| 115 | | | | | | | | | | 23.0 | 176.1 | 16,500 | 39.4 | 191.8 | 14,200 | 51.0 | 198.4 | 11,900 | | | | 115 |
| 120 | | | | | | | | | | 10.5 | 159.5 | 15,500 | 33.3 | 185.0 | 13,300 | 46.2 | 193.9 | 11,200 | | | | 120 |
| 125 | | | | | | | | | | | | | 26.1 | 176.3 | 12,500 | 41.0 | 188.7 | 10,500 | | | | 125 |
| 130 | | | | | | | | | | | | | 16.2 | 163.4 | 11,700 | 35.2 | 182.3 | 9,800 | 47.1 | 189.1 | 7,900 | 130 |
| 135 | | | | | | | | | | | | | | | | 28.4 | 174.2 | 9,200 | 42.0 | 184.0 | 7,400 | 135 |
| 140 | | | | | | | | | | | | | | | | 19.6 | 163.0 | 8,600 | 36.4 | 177.9 | 6,900 | 140 |
| 145 | | | | | | | | | | | | | | | | | | | 29.8 | 170.2 | 6,400 | 145 |
| 150 | | | | | | | | | | | | | | | | | | | 21.6 | 159.8 | 6,000 | 150 |
| 155 | | | | | | | | | | | | | | | | | | | 7.0 | 140.1 | 5,500 | 155 |



Liftcrane Luffing Jib Capacities

New York City Code
 Luffing Jib No. 139 on Boom No. 78
 105,000 Lb. Counterweight
 360 Degree Rating

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

777 SERIES 1

140 Ft. Boom, 90 Ft. Jib

| Jib Oper. Rad. Feet | 88 Degree Boom Angle | | | 83 Degree Boom Angle | | | 80 Degree Boom Angle | | | 75 Degree Boom Angle | | | 70 Degree Boom Angle | | | 65 Degree Boom Angle | | | 60 Degree Boom Angle | | | Jib Oper. Rad. Feet |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | |
| 35 | 73.5 | 236.2 | 76,200 *b | | | | | | | | | | | | | | | | | | | 35 |
| 40 | 70.2 | 234.5 | 74,900 *b | | | | | | | | | | | | | | | | | | | 40 |
| 45 | 66.8 | 232.6 | 72,700 * | | | | | | | | | | | | | | | | | | | 45 |
| 50 | 63.2 | 230.2 | 66,500 | | | | | | | | | | | | | | | | | | | 50 |
| 55 | 59.6 | 227.5 | 58,800 | 68.4 | 232.5 | 53,100 b | | | | | | | | | | | | | | | | 55 |
| 60 | 55.9 | 224.4 | 52,600 | 64.9 | 230.3 | 47,400 | | | | | | | | | | | | | | | | 60 |
| 65 | 51.9 | 220.7 | 47,500 | 61.4 | 227.8 | 42,800 | 66.6 | 230.2 | 40,000 | | | | | | | | | | | | | 65 |
| 70 | 47.8 | 216.5 | 43,200 | 57.7 | 224.9 | 38,900 | 63.1 | 227.9 | 36,300 | | | | | | | | | | | | | 70 |
| 75 | 43.3 | 211.6 | 39,500 | 53.8 | 221.5 | 35,600 | 59.4 | 225.2 | 33,200 | | | | | | | | | | | | | 75 |
| 80 | 38.4 | 205.8 | 36,400 | 49.8 | 217.5 | 32,700 | 55.7 | 222.0 | 30,500 | | | | | | | | | | | | | 80 |
| 85 | 33.0 | 198.8 | 33,700 | 45.5 | 213.0 | 30,200 | 51.7 | 218.3 | 28,200 | 61.0 | 223.6 | 24,800 | | | | | | | | | | 85 |
| 90 | 26.5 | 190.1 | 31,300 | 40.8 | 207.6 | 28,100 | 47.5 | 214.0 | 26,100 | 57.3 | 220.6 | 22,900 | | | | | | | | | | 90 |
| 95 | 18.2 | 177.9 | 29,100 | 35.7 | 201.3 | 26,100 | 43.1 | 209.1 | 24,300 | 53.4 | 217.1 | 21,300 | | | | | | | | | | 95 |
| 100 | | | | 29.8 | 193.5 | 24,400 | 38.2 | 203.3 | 22,700 | 49.3 | 213.1 | 19,900 | | | | | | | | | | 100 |
| 105 | | | | 22.5 | 183.3 | 22,800 | 32.7 | 196.2 | 21,200 | 45.0 | 208.5 | 18,600 | 54.8 | 214.6 | 15,900 | | | | | | | 105 |
| 110 | | | | 11.7 | 167.1 | 21,400 | 26.2 | 187.4 | 19,900 | 40.3 | 203.1 | 17,400 | 50.8 | 210.8 | 14,900 | | | | | | | 110 |
| 115 | | | | | | | 17.6 | 174.9 | 18,700 | 35.1 | 196.6 | 16,300 | 46.6 | 206.5 | 14,000 | | | | | | | 115 |
| 120 | | | | | | | | | | 29.1 | 188.6 | 15,300 | 42.0 | 201.3 | 13,100 | 52.0 | 207.2 | 10,900 | | | | 120 |
| 125 | | | | | | | | | | 21.6 | 178.1 | 14,400 | 37.0 | 195.3 | 12,300 | 47.9 | 203.0 | 10,200 | | | | 125 |
| 130 | | | | | | | | | | 9.9 | 160.4 | 13,500 | 31.4 | 187.9 | 11,600 | 43.4 | 198.1 | 9,600 | | | | 130 |
| 135 | | | | | | | | | | | | | 24.6 | 178.5 | 10,900 | 38.5 | 192.3 | 9,000 | | | | 135 |
| 140 | | | | | | | | | | | | | 15.2 | 164.7 | 10,200 | 33.1 | 185.4 | 8,400 | 44.3 | 193.3 | 6,600 | 140 |
| 145 | | | | | | | | | | | | | | | | 26.7 | 176.7 | 7,900 | 39.5 | 187.7 | 6,200 | 145 |
| 150 | | | | | | | | | | | | | | | | 18.4 | 164.7 | 7,400 | 34.2 | 181.0 | 5,800 | 150 |
| 155 | | | | | | | | | | | | | | | | | | | 28.1 | 172.8 | 5,400 | 155 |
| 160 | | | | | | | | | | | | | | | | | | | 20.3 | 161.6 | 5,000 | 160 |
| 165 | | | | | | | | | | | | | | | | | | | 6.6 | 140.7 | 4,600 | 165 |



Liftcrane Luffing Jib Capacities

777 SERIES 1

**New York City Code
Luffing Jib No. 139 on Boom No. 78
105,000 Lb. Counterweight
360 Degree Rating**

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

140 Ft. Boom, 100 Ft. Jib

| Jib Oper. Rad. Feet | 88 Degree Boom Angle | | | 83 Degree Boom Angle | | | 80 Degree Boom Angle | | | 75 Degree Boom Angle | | | 70 Degree Boom Angle | | | 65 Degree Boom Angle | | | 60 Degree Boom Angle | | | Jib Oper. Rad. Feet |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | |
| 35 | 75.2 | 246.6 | 70,100 *b | | | | | | | | | | | | | | | | | | | 35 |
| 40 | 72.2 | 245.1 | 68,600 *b | | | | | | | | | | | | | | | | | | | 40 |
| 45 | 69.2 | 243.4 | 66,700 * | | | | | | | | | | | | | | | | | | | 45 |
| 50 | 66.1 | 241.3 | 64,700 * | | | | | | | | | | | | | | | | | | | 50 |
| 55 | 62.9 | 238.9 | 58,600 | 70.7 | 243.2 | 52,700 | | | | | | | | | | | | | | | | 55 |
| 60 | 59.7 | 236.2 | 52,300 | 67.6 | 241.3 | 47,100 | | | | | | | | | | | | | | | | 60 |
| 65 | 56.3 | 233.1 | 47,200 | 64.4 | 239.0 | 42,400 | | | | | | | | | | | | | | | | 65 |
| 70 | 52.8 | 229.5 | 42,900 | 61.2 | 236.5 | 38,500 | 65.9 | 239.0 | 35,900 | | | | | | | | | | | | | 70 |
| 75 | 49.1 | 225.4 | 39,300 | 57.9 | 233.5 | 35,200 | 62.8 | 236.6 | 32,800 | | | | | | | | | | | | | 75 |
| 80 | 45.2 | 220.8 | 36,200 | 54.5 | 230.2 | 32,400 | 59.5 | 233.8 | 30,100 | | | | | | | | | | | | | 80 |
| 85 | 41.0 | 215.4 | 33,400 | 50.9 | 226.4 | 29,900 | 56.1 | 230.7 | 27,800 | | | | | | | | | | | | | 85 |
| 90 | 36.4 | 209.2 | 31,000 | 47.1 | 222.0 | 27,700 | 52.6 | 227.1 | 25,800 | 60.9 | 232.2 | 22,500 | | | | | | | | | | 90 |
| 95 | 31.2 | 201.7 | 28,900 | 43.0 | 217.0 | 25,800 | 48.9 | 223.0 | 24,000 | 57.6 | 229.3 | 20,900 | | | | | | | | | | 95 |
| 100 | 25.2 | 192.4 | 27,000 | 38.6 | 211.2 | 24,100 | 45.0 | 218.3 | 22,400 | 54.1 | 225.9 | 19,500 | | | | | | | | | | 100 |
| 105 | 17.2 | 179.5 | 25,300 | 33.8 | 204.4 | 22,600 | 40.7 | 212.9 | 20,900 | 50.5 | 222.0 | 18,200 | | | | | | | | | | 105 |
| 110 | | | | 28.2 | 196.1 | 21,100 | 36.1 | 206.6 | 19,600 | 46.6 | 217.6 | 17,000 | 55.4 | 223.3 | 14,500 | | | | | | | 110 |
| 115 | | | | 21.4 | 185.2 | 19,900 | 30.9 | 199.1 | 18,400 | 42.6 | 212.5 | 16,000 | 51.8 | 219.7 | 13,500 | | | | | | | 115 |
| 120 | | | | 11.1 | 168.1 | 18,700 | 24.8 | 189.6 | 17,300 | 38.1 | 206.6 | 15,000 | 48.1 | 215.4 | 12,700 | | | | | | | 120 |
| 125 | | | | | | | 16.7 | 176.5 | 16,300 | 33.2 | 199.7 | 14,100 | 44.1 | 210.6 | 11,900 | 52.9 | 215.9 | 9,700 | | | | 125 |
| 130 | | | | | | | | | | 27.6 | 191.1 | 13,300 | 39.8 | 205.1 | 11,200 | 49.2 | 211.9 | 9,100 | | | | 130 |
| 135 | | | | | | | | | | 20.5 | 179.9 | 12,500 | 35.1 | 198.5 | 10,500 | 45.3 | 207.3 | 8,500 | | | | 135 |
| 140 | | | | | | | | | | 9.4 | 161.2 | 11,700 | 29.7 | 190.7 | 9,900 | 41.1 | 201.9 | 8,000 | | | | 140 |
| 145 | | | | | | | | | | | | | 23.3 | 180.6 | 9,300 | 36.5 | 195.7 | 7,500 | 46.0 | 202.4 | 5,700 | 145 |
| 150 | | | | | | | | | | | | | 14.5 | 166.0 | 8,700 | 31.4 | 188.3 | 7,000 | 41.9 | 197.2 | 5,300 | 150 |
| 155 | | | | | | | | | | | | | | | | 25.3 | 179.0 | 6,600 | 37.4 | 191.2 | 5,000 | 155 |
| 160 | | | | | | | | | | | | | | | | 17.5 | 166.2 | 6,100 | 32.4 | 184.0 | 4,600 | 160 |
| 165 | | | | | | | | | | | | | | | | | | | 26.6 | 175.2 | 4,200 | 165 |



Liftcrane Luffing Jib Capacities

New York City Code
 Luffing Jib No. 139 on Boom No. 78
 105,000 Lb. Counterweight
 360 Degree Rating

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

777 SERIES 1

140 Ft. Boom, 110 Ft. Jib

| Jib Oper. Rad. Feet | 88 Degree Boom Angle | | | 83 Degree Boom Angle | | | 80 Degree Boom Angle | | | 75 Degree Boom Angle | | | 70 Degree Boom Angle | | | 65 Degree Boom Angle | | | Jib Oper. Rad. Feet |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | |
| 40 | 73.9 | 255.6 | 63,200 *b | | | | | | | | | | | | | | | | 40 |
| 45 | 71.2 | 254.0 | 61,500 * | | | | | | | | | | | | | | | | 45 |
| 50 | 68.4 | 252.1 | 59,800 * | | | | | | | | | | | | | | | | 50 |
| 55 | 65.6 | 250.0 | 57,700 * | | | | | | | | | | | | | | | | 55 |
| 60 | 62.7 | 247.6 | 52,300 | 69.7 | 252.0 | 47,000 | | | | | | | | | | | | | 60 |
| 65 | 59.7 | 244.8 | 47,200 | 66.9 | 250.0 | 42,300 | | | | | | | | | | | | | 65 |
| 70 | 56.6 | 241.7 | 42,900 | 64.1 | 247.7 | 38,500 | | | | | | | | | | | | | 70 |
| 75 | 53.4 | 238.2 | 39,300 | 61.1 | 245.1 | 35,200 | 65.4 | 247.7 | 32,700 | | | | | | | | | | 75 |
| 80 | 50.1 | 234.3 | 36,100 | 58.1 | 242.2 | 32,300 | 62.5 | 245.2 | 30,100 | | | | | | | | | | 80 |
| 85 | 46.7 | 229.9 | 33,400 | 55.0 | 238.9 | 29,900 | 59.5 | 242.5 | 27,700 | | | | | | | | | | 85 |
| 90 | 43.0 | 224.8 | 31,000 | 51.7 | 235.2 | 27,700 | 56.5 | 239.3 | 25,700 | | | | | | | | | | 90 |
| 95 | 39.0 | 219.1 | 28,900 | 48.3 | 231.0 | 25,800 | 53.3 | 235.8 | 23,900 | 60.8 | 240.9 | 20,800 | | | | | | | 95 |
| 100 | 34.6 | 212.4 | 27,000 | 44.7 | 226.2 | 24,100 | 50.0 | 231.9 | 22,300 | 57.8 | 237.9 | 19,400 | | | | | | | 100 |
| 105 | 29.7 | 204.4 | 25,300 | 40.9 | 220.8 | 22,500 | 46.5 | 227.4 | 20,900 | 54.6 | 234.6 | 18,100 | | | | | | | 105 |
| 110 | 24.0 | 194.6 | 23,800 | 36.8 | 214.6 | 21,100 | 42.8 | 222.3 | 19,600 | 51.4 | 230.8 | 16,900 | | | | | | | 110 |
| 115 | 16.4 | 181.0 | 22,300 | 32.2 | 207.3 | 19,900 | 38.8 | 216.5 | 18,400 | 48.0 | 226.6 | 15,900 | 55.8 | 232.0 | 13,400 | | | | 115 |
| 120 | | | | 26.9 | 198.5 | 18,700 | 34.4 | 209.8 | 17,300 | 44.4 | 221.8 | 14,900 | 52.6 | 228.4 | 12,600 | | | | 120 |
| 125 | | | | 20.4 | 187.1 | 17,600 | 29.5 | 201.8 | 16,300 | 40.5 | 216.3 | 14,000 | 49.2 | 224.4 | 11,800 | | | | 125 |
| 130 | | | | 10.6 | 169.0 | 16,600 | 23.6 | 191.8 | 15,400 | 36.3 | 210.0 | 13,200 | 45.7 | 219.8 | 11,100 | | | | 130 |
| 135 | | | | | | | 16.0 | 177.9 | 14,500 | 31.6 | 202.6 | 12,500 | 41.9 | 214.6 | 10,400 | 50.2 | 220.8 | 8,500 | 135 |
| 140 | | | | | | | | | | 26.3 | 193.5 | 11,800 | 37.9 | 208.6 | 9,800 | 46.7 | 216.3 | 7,900 | 140 |
| 145 | | | | | | | | | | 19.6 | 181.7 | 11,100 | 33.4 | 201.6 | 9,300 | 43.0 | 211.3 | 7,400 | 145 |
| 150 | | | | | | | | | | 9.0 | 162.0 | 10,500 | 28.3 | 193.2 | 8,700 | 39.1 | 205.6 | 7,000 | 150 |
| 155 | | | | | | | | | | | | | 22.2 | 182.7 | 8,200 | 34.7 | 198.9 | 6,500 | 155 |
| 160 | | | | | | | | | | | | | 13.8 | 167.3 | 7,700 | 29.9 | 191.0 | 6,100 | 160 |
| 165 | | | | | | | | | | | | | | | | 24.1 | 181.2 | 5,700 | 165 |
| 170 | | | | | | | | | | | | | | | | 16.7 | 167.7 | 5,300 | 170 |



Liftcrane Luffing Jib Capacities

777 SERIES 1

New York City Code
 Luffing Jib No. 139 on Boom No. 78
 105,000 Lb. Counterweight
 360 Degree Rating

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

140 Ft. Boom, 120 Ft. Jib

| Jib Oper. Rad. Feet | 88 Degree Boom Angle | | | 83 Degree Boom Angle | | | 80 Degree Boom Angle | | | 75 Degree Boom Angle | | | 70 Degree Boom Angle | | | Jib Oper. Rad. Feet |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | |
| 40 | 75.3 | 265.9 | 50,000 *b | | | | | | | | | | | | | 40 |
| 45 | 72.8 | 264.5 | 49,100 * | | | | | | | | | | | | | 45 |
| 50 | 70.3 | 262.8 | 48,300 * | | | | | | | | | | | | | 50 |
| 55 | 67.7 | 260.9 | 47,400 * | | | | | | | | | | | | | 55 |
| 60 | 65.1 | 258.7 | 46,700 * | | | | | | | | | | | | | 60 |
| 65 | 62.4 | 256.3 | 43,000 | 68.9 | 260.8 | 36,600 | | | | | | | | | | 65 |
| 70 | 59.7 | 253.5 | 38,900 | 66.4 | 258.7 | 33,000 | | | | | | | | | | 70 |
| 75 | 56.9 | 250.4 | 35,400 | 63.7 | 256.4 | 30,000 | 67.6 | 258.6 | 26,800 | | | | | | | 75 |
| 80 | 54.0 | 247.0 | 32,400 | 61.0 | 253.8 | 27,400 | 65.0 | 256.4 | 24,400 | | | | | | | 80 |
| 85 | 51.0 | 243.1 | 29,800 | 58.3 | 250.9 | 25,100 | 62.3 | 253.9 | 22,300 | | | | | | | 85 |
| 90 | 47.9 | 238.9 | 27,500 | 55.4 | 247.6 | 23,100 | 59.6 | 251.1 | 20,400 | | | | | | | 90 |
| 95 | 44.6 | 234.1 | 25,400 | 52.5 | 244.0 | 21,300 | 56.8 | 248.0 | 18,800 | | | | | | | 95 |
| 100 | 41.0 | 228.7 | 23,600 | 49.4 | 239.9 | 19,700 | 53.9 | 244.6 | 17,400 | 60.7 | 249.6 | 13,500 | | | | 100 |
| 105 | 37.3 | 222.5 | 22,000 | 46.2 | 235.4 | 18,300 | 50.8 | 240.7 | 16,100 | 58.0 | 246.6 | 12,400 | | | | 105 |
| 110 | 33.1 | 215.4 | 20,500 | 42.7 | 230.3 | 17,000 | 47.7 | 236.4 | 14,900 | 55.1 | 243.3 | 11,400 | | | | 110 |
| 115 | 28.4 | 207.0 | 19,200 | 39.1 | 224.5 | 15,800 | 44.4 | 231.6 | 13,800 | 52.1 | 239.6 | 10,500 | | | | 115 |
| 120 | 22.9 | 196.6 | 17,900 | 35.1 | 217.9 | 14,800 | 40.9 | 226.2 | 12,900 | 49.0 | 235.5 | 9,700 | 56.2 | 240.7 | 6,600 | 120 |
| 125 | 15.7 | 182.4 | 16,800 | 30.7 | 210.2 | 13,800 | 37.1 | 220.0 | 12,000 | 45.8 | 230.9 | 8,900 | 53.2 | 237.2 | 6,000 | 125 |
| 130 | | | | 25.7 | 200.8 | 12,900 | 32.9 | 212.8 | 11,100 | 42.4 | 225.8 | 8,200 | 50.2 | 233.2 | 5,400 | 130 |
| 135 | | | | 19.5 | 188.8 | 12,000 | 28.2 | 204.3 | 10,400 | 38.7 | 219.9 | 7,600 | 47.0 | 228.8 | 4,900 | 135 |
| 140 | | | | 10.1 | 169.9 | 11,200 | 22.6 | 193.8 | 9,600 | 34.7 | 213.2 | 7,000 | 43.6 | 223.9 | 4,400 | 140 |
| 145 | | | | | | | 15.3 | 179.3 | 9,000 | 30.3 | 205.3 | 6,500 | | | | 145 |
| 150 | | | | | | | | | | 25.1 | 195.8 | 5,900 | | | | 150 |
| 155 | | | | | | | | | | 18.7 | 183.4 | 5,400 | | | | 155 |
| 160 | | | | | | | | | | 8.6 | 162.8 | 4,900 | | | | 160 |



Liftcrane Luffing Jib Capacities

New York City Code
 Luffing Jib No. 139 on Boom No. 78
 105,000 Lb. Counterweight
 360 Degree Rating

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

777 SERIES 1

140 Ft. Boom, 130 Ft. Jib

| Jib Oper. Rad. Feet | 88 Degree Boom Angle | | | 83 Degree Boom Angle | | | 80 Degree Boom Angle | | | 75 Degree Boom Angle | | | Jib Oper. Rad. Feet |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | |
| 45 | 74.1 | 274.9 | 46,100 * | | | | | | | | | | 45 |
| 50 | 71.8 | 273.4 | 45,300 * | | | | | | | | | | 50 |
| 55 | 69.5 | 271.6 | 44,600 * | | | | | | | | | | 55 |
| 60 | 67.1 | 269.7 | 43,900 * | | | | | | | | | | 60 |
| 65 | 64.7 | 267.4 | 42,600 * | 70.6 | 271.4 | 36,300 | | | | | | | 65 |
| 70 | 62.3 | 264.9 | 38,600 | 68.3 | 269.6 | 32,700 | | | | | | | 70 |
| 75 | 59.7 | 262.2 | 35,100 | 65.9 | 267.5 | 29,600 | | | | | | | 75 |
| 80 | 57.2 | 259.1 | 32,100 | 63.4 | 265.1 | 27,000 | 67.0 | 267.3 | 24,000 | | | | 80 |
| 85 | 54.5 | 255.7 | 29,500 | 60.9 | 262.5 | 24,700 | 64.6 | 265.1 | 21,900 | | | | 85 |
| 90 | 51.7 | 251.9 | 27,200 | 58.4 | 259.5 | 22,700 | 62.1 | 262.6 | 20,100 | | | | 90 |
| 95 | 48.9 | 247.8 | 25,100 | 55.8 | 256.3 | 21,000 | 59.6 | 259.8 | 18,500 | | | | 95 |
| 100 | 45.9 | 243.2 | 23,300 | 53.1 | 252.7 | 19,400 | 57.0 | 256.7 | 17,000 | | | | 100 |
| 105 | 42.7 | 238.1 | 21,700 | 50.2 | 248.8 | 18,000 | 54.4 | 253.3 | 15,700 | 60.7 | 258.2 | 12,000 | 105 |
| 110 | 39.4 | 232.3 | 20,200 | 47.3 | 244.4 | 16,700 | 51.6 | 249.5 | 14,600 | 58.1 | 255.3 | 11,000 | 110 |
| 115 | 35.7 | 225.8 | 18,900 | 44.2 | 239.5 | 15,500 | 48.7 | 245.4 | 13,500 | 55.5 | 252.0 | 10,100 | 115 |
| 120 | 31.8 | 218.3 | 17,700 | 41.0 | 234.1 | 14,500 | 45.7 | 240.7 | 12,500 | 52.8 | 248.4 | 9,300 | 120 |
| 125 | 27.3 | 209.5 | 16,600 | 37.5 | 228.0 | 13,500 | 42.6 | 235.6 | 11,600 | 49.9 | 244.4 | 8,600 | 125 |
| 130 | 22.0 | 198.6 | 15,500 | 33.7 | 221.0 | 12,600 | 39.2 | 229.8 | 10,800 | 47.0 | 240.0 | 7,900 | 130 |
| 135 | 15.1 | 183.7 | 14,600 | 29.5 | 212.9 | 11,800 | 35.6 | 223.2 | 10,100 | 43.9 | 235.0 | 7,300 | 135 |
| 140 | | | | 24.7 | 203.1 | 11,000 | 31.6 | 215.7 | 9,400 | 40.6 | 229.5 | 6,700 | 140 |
| 145 | | | | 18.7 | 190.5 | 10,300 | 27.1 | 206.8 | 8,700 | 37.1 | 223.3 | 6,100 | 145 |
| 150 | | | | 9.7 | 170.8 | 9,500 | 21.7 | 195.8 | 8,100 | 33.3 | 216.3 | 5,600 | 150 |
| 155 | | | | | | | 14.7 | 180.6 | 7,500 | 29.0 | 208.0 | 5,100 | 155 |
| 160 | | | | | | | | | | 24.1 | 198.0 | 4,700 | 160 |
| 165 | | | | | | | | | | 18.0 | 185.0 | 4,200 | 165 |



Liftcrane Luffing Jib Capacities

777 SERIES 1

New York City Code
 Luffing Jib No. 139 on Boom No. 78
 105,000 Lb. Counterweight
 360 Degree Rating

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

140 Ft. Boom, 140 Ft. Jib

| Jib Oper. Rad. Feet | 88 Degree Boom Angle | | | 83 Degree Boom Angle | | | 80 Degree Boom Angle | | | 75 Degree Boom Angle | | | Jib Oper. Rad. Feet |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | |
| 45 | 75.3 | 285.3 | 43,000 * | | | | | | | | | | 45 |
| 50 | 73.2 | 283.9 | 42,300 * | | | | | | | | | | 50 |
| 55 | 71.0 | 282.3 | 41,600 * | | | | | | | | | | 55 |
| 60 | 68.9 | 280.4 | 40,600 * | | | | | | | | | | 60 |
| 65 | 66.6 | 278.4 | 39,100 * | | | | | | | | | | 65 |
| 70 | 64.4 | 276.1 | 37,600 * | 69.9 | 280.3 | 32,200 | | | | | | | 70 |
| 75 | 62.1 | 273.6 | 34,700 | 67.7 | 278.3 | 29,200 | | | | | | | 75 |
| 80 | 59.8 | 270.8 | 31,700 | 65.5 | 276.2 | 26,600 | | | | | | | 80 |
| 85 | 57.4 | 267.8 | 29,100 | 63.2 | 273.8 | 24,300 | 66.5 | 276.1 | 21,400 | | | | 85 |
| 90 | 54.9 | 264.4 | 26,800 | 60.9 | 271.1 | 22,300 | 64.3 | 273.8 | 19,600 | | | | 90 |
| 95 | 52.4 | 260.7 | 24,800 | 58.5 | 268.2 | 20,500 | 62.0 | 271.2 | 18,000 | | | | 95 |
| 100 | 49.7 | 256.7 | 23,000 | 56.1 | 265.0 | 18,900 | 59.6 | 268.5 | 16,500 | | | | 100 |
| 105 | 47.0 | 252.2 | 21,400 | 53.6 | 261.5 | 17,500 | 57.2 | 265.4 | 15,300 | 63.0 | 269.6 | 11,500 | 105 |
| 110 | 44.1 | 247.3 | 19,900 | 51.0 | 257.6 | 16,300 | 54.8 | 262.0 | 14,100 | 60.6 | 266.9 | 10,500 | 110 |
| 115 | 41.1 | 241.9 | 18,600 | 48.3 | 253.3 | 15,100 | 52.2 | 258.3 | 13,000 | 58.3 | 263.9 | 9,600 | 115 |
| 120 | 37.9 | 235.8 | 17,300 | 45.5 | 248.7 | 14,000 | 49.6 | 254.2 | 12,100 | 55.8 | 260.7 | 8,800 | 120 |
| 125 | 34.4 | 229.0 | 16,200 | 42.6 | 243.5 | 13,100 | 46.8 | 249.8 | 11,200 | 53.3 | 257.1 | 8,100 | 125 |
| 130 | 30.6 | 221.1 | 15,200 | 39.4 | 237.7 | 12,200 | 44.0 | 244.8 | 10,400 | 50.7 | 253.2 | 7,400 | 130 |
| 135 | 26.3 | 211.9 | 14,300 | 36.1 | 231.3 | 11,400 | 40.9 | 239.4 | 9,600 | 48.0 | 248.9 | 6,800 | 135 |
| 140 | 21.2 | 200.5 | 13,400 | 32.5 | 223.9 | 10,600 | 37.7 | 233.3 | 8,900 | 45.2 | 244.2 | 6,200 | 140 |
| 145 | 14.6 | 185.0 | 12,500 | 28.4 | 215.4 | 9,900 | 34.2 | 226.4 | 8,300 | 42.2 | 239.0 | 5,700 | 145 |
| 150 | | | | 23.8 | 205.2 | 9,200 | 30.4 | 218.5 | 7,700 | 39.1 | 233.2 | 5,100 | 150 |
| 155 | | | | 18.0 | 192.1 | 8,600 | 26.1 | 209.2 | 7,100 | 35.7 | 226.6 | 4,700 | 155 |
| 160 | | | | 9.4 | 171.6 | 8,000 | 20.9 | 197.7 | 6,600 | 32.1 | 219.2 | 4,200 | 160 |
| 165 | | | | | | | 14.1 | 181.8 | 6,100 | | | | 165 |



Liftcrane Luffing Jib Capacities

New York City Code
 Luffing Jib No. 139 on Boom No. 78
 105,000 Lb. Counterweight
 360 Degree Rating

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

777 SERIES 1

140 Ft. Boom, 150 Ft. Jib

| Jib Oper. Rad. Feet | 88 Degree Boom Angle | | | 83 Degree Boom Angle | | | 80 Degree Boom Angle | | | 75 Degree Boom Angle | | | Jib Oper. Rad. Feet |
|---------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|---------------------|
| | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | Jib Ang. Deg. | Jib Point Elev. Feet | Luffing Jib Capacity Pounds | |
| 50 | 74.3 | 294.3 | 39,500 * | | | | | | | | | | 50 |
| 55 | 72.3 | 292.8 | 38,800 * | | | | | | | | | | 55 |
| 60 | 70.3 | 291.1 | 37,500 * | | | | | | | | | | 60 |
| 65 | 68.3 | 289.2 | 36,100 * | | | | | | | | | | 65 |
| 70 | 66.2 | 287.1 | 34,700 * | | | | | | | | | | 70 |
| 75 | 64.1 | 284.8 | 33,300 * | 69.3 | 289.1 | 29,000 | | | | | | | 75 |
| 80 | 62.0 | 282.3 | 31,600 | 67.2 | 287.1 | 26,400 | | | | | | | 80 |
| 85 | 59.8 | 279.5 | 29,000 | 65.1 | 284.9 | 24,100 | | | | | | | 85 |
| 90 | 57.5 | 276.4 | 26,700 | 63.0 | 282.4 | 22,100 | 66.1 | 284.8 | 19,400 | | | | 90 |
| 95 | 55.2 | 273.1 | 24,600 | 60.8 | 279.8 | 20,400 | 64.0 | 282.5 | 17,800 | | | | 95 |
| 100 | 52.9 | 269.5 | 22,800 | 58.6 | 276.9 | 18,800 | 61.9 | 279.9 | 16,400 | | | | 100 |
| 105 | 50.5 | 265.5 | 21,200 | 56.3 | 273.7 | 17,400 | 59.7 | 277.1 | 15,100 | | | | 105 |
| 110 | 47.9 | 261.2 | 19,800 | 54.0 | 270.2 | 16,100 | 57.4 | 274.1 | 13,900 | 62.8 | 278.2 | 10,300 | 110 |
| 115 | 45.3 | 256.5 | 18,400 | 51.6 | 266.4 | 15,000 | 55.1 | 270.7 | 12,900 | 60.6 | 275.6 | 9,500 | 115 |
| 120 | 42.5 | 251.3 | 17,200 | 49.1 | 262.3 | 13,900 | 52.8 | 267.1 | 11,900 | 58.4 | 272.6 | 8,700 | 120 |
| 125 | 39.6 | 245.6 | 16,100 | 46.6 | 257.7 | 12,900 | 50.3 | 263.1 | 11,100 | 56.1 | 269.4 | 7,900 | 125 |
| 130 | 36.5 | 239.2 | 15,100 | 43.9 | 252.8 | 12,100 | 47.8 | 258.8 | 10,200 | 53.8 | 265.9 | 7,300 | 130 |
| 135 | 33.2 | 232.0 | 14,200 | 41.0 | 247.3 | 11,200 | 45.2 | 254.0 | 9,500 | 51.4 | 262.0 | 6,600 | 135 |
| 140 | 29.5 | 223.8 | 13,300 | 38.0 | 241.3 | 10,500 | 42.4 | 248.8 | 8,800 | 48.9 | 257.9 | 6,000 | 140 |
| 145 | 25.4 | 214.2 | 12,500 | 34.8 | 234.5 | 9,800 | 39.5 | 243.0 | 8,200 | 46.3 | 253.3 | 5,500 | 145 |
| 150 | 20.5 | 202.4 | 11,700 | 31.3 | 226.8 | 9,100 | 36.4 | 236.6 | 7,600 | 43.6 | 248.3 | 5,000 | 150 |
| 155 | 14.1 | 186.3 | 11,000 | 27.4 | 217.9 | 8,500 | 33.0 | 229.4 | 7,000 | 40.7 | 242.8 | 4,500 | 155 |
| 160 | | | | 22.9 | 207.3 | 7,900 | 29.3 | 221.1 | 6,500 | 37.7 | 236.6 | 4,100 | 160 |
| 165 | | | | 17.4 | 193.7 | 7,400 | 25.2 | 211.4 | 6,000 | | | | 165 |
| 170 | | | | 9.1 | 172.4 | 6,800 | 20.2 | 199.5 | 5,500 | | | | 170 |
| 175 | | | | | | | 13.6 | 183.0 | 5,100 | | | | 175 |