

# Liftcrane Jib Capacities

**New York City Code**  
**Jib No. 10 With 12 Ft. 6 in. Strut On**  
**Boom No. 222 With Open Throat Top**  
**63,300 Lb. Crane Counterweight**  
**14,000 Lb. Crawler Frame Counterweight**  
**22 Ft. 4 in. Crawlers Extended**  
**360 Degree Rating**

Meets  
ANSI B30.5  
Requirements

**222 SERIES B**  
**222EX SERIES B**

**LIFTING CAPACITIES:** Chart supplements boom capacity chart **No. 9153-A**. Lifting capacities for various boom lengths, jib lengths and jib operating radii are for freely suspended loads and do not exceed 75% of a static tipping load. Capacities based on structural competence are denoted by an asterisk (\*).

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

**OPERATING CONDITIONS:** Machine to operate on a firm uniformly supporting surface with crawlers fully extended (16 Ft. 9 in.) and gantry up. Refer to boom rigging **No. 193744** or **No. 910557**, jib assembly **No. 911092** and Wire Rope Specification chart **No. 9071-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 within boom angle range shown in capacity chart. Refer to Maximum Allowable Travel Specification chart **No. 9143-A**.

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

**JIB POINT ELEVATION:** Jib point elevation is vertical distance from ground level to centerline of jib point shaft.

**MACHINE EQUIPMENT:** Machine equipped with 22 Ft. 4 in. extendible crawlers, 36 in. treads, 15 Ft. 6 in. retractable gantry, 10 part boom hoist reeving, two 1-1/4 in. boom pendants, 1st crane counterweight = 28,500 Lbs., 2nd crane counterweight = 10,000 Lbs., 3rd crane counterweight = 24,800 Lbs. and four 3,500 Lb. crawler frame counterweights.

Maximum capacity on 7/8 in. wire rope is 20,000 Lbs.

| Maximum Boom and Jib Lengths Lifted Unassisted       |            |                                |            |
|------------------------------------------------------|------------|--------------------------------|------------|
| Over End of Crawlers                                 |            | Over Side of Extended Crawlers |            |
| Boom Length                                          | Jib No. 10 | Boom Length                    | Jib No. 10 |
| 200 Ft.                                              | ---        | 200 Ft.                        | ---        |
| 190 Ft.                                              | 60 Ft.     | 190 Ft.                        | 60 Ft.     |
| Load block, hook and weight ball on ground at start. |            |                                |            |



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## 222 SERIES B

## 222EX SERIES B

### 30 Ft. JIB

| Jib<br>Oper.<br>Rad.<br>Feet | 0 Degree Offset      |                               |                        | 10 Degree Offset     |                               |                        | 20 Degree Offset     |                               |                        | 30 Degree Offset     |                               |                        | Jib<br>Oper.<br>Rad.<br>Feet |
|------------------------------|----------------------|-------------------------------|------------------------|----------------------|-------------------------------|------------------------|----------------------|-------------------------------|------------------------|----------------------|-------------------------------|------------------------|------------------------------|
|                              | Boom<br>Ang.<br>Deg. | Jib<br>Point<br>Elev.<br>Feet | Jib Capacity<br>Pounds | Boom<br>Ang.<br>Deg. | Jib<br>Point<br>Elev.<br>Feet | Jib Capacity<br>Pounds | Boom<br>Ang.<br>Deg. | Jib<br>Point<br>Elev.<br>Feet | Jib Capacity<br>Pounds | Boom<br>Ang.<br>Deg. | Jib<br>Point<br>Elev.<br>Feet | Jib Capacity<br>Pounds |                              |
| 70 Ft. BOOM                  |                      |                               |                        |                      |                               |                        |                      |                               |                        |                      |                               |                        |                              |
| 25                           | 78.4                 | 104.1                         | 20,000 *               | 80.8                 | 103.7                         | 20,000 *               |                      |                               |                        |                      |                               |                        | 25                           |
| 30                           | 75.4                 | 102.9                         | 20,000 *               | 77.9                 | 102.5                         | 20,000 *               | 80.3                 | 101.7                         | 20,000 *               |                      |                               |                        | 30                           |
| 35                           | 72.5                 | 101.4                         | 20,000 *               | 74.9                 | 101.0                         | 20,000 *               | 77.3                 | 100.2                         | 20,000 *               | 79.7                 | 98.7                          | 19,200 *               | 35                           |
| 40                           | 69.5                 | 99.6                          | 20,000 *               | 71.9                 | 99.2                          | 20,000 *               | 74.2                 | 98.4                          | 20,000 *               | 76.6                 | 96.9                          | 18,100 *               | 40                           |
| 45                           | 66.4                 | 97.5                          | 20,000 *               | 68.8                 | 97.2                          | 20,000 *               | 71.1                 | 96.3                          | 20,000 *               | 73.4                 | 94.7                          | 16,900 *               | 45                           |
| 50                           | 63.2                 | 95.1                          | 20,000 *               | 65.6                 | 94.8                          | 20,000 *               | 67.9                 | 93.8                          | 20,000 *               | 70.2                 | 92.3                          | 15,900 *               | 50                           |
| 55                           | 60.0                 | 92.4                          | 20,000 *               | 62.3                 | 92.0                          | 20,000 *               | 64.6                 | 91.0                          | 19,300 *               | 66.8                 | 89.4                          | 15,100 *               | 55                           |
| 60                           | 56.6                 | 89.2                          | 20,000 *               | 59.0                 | 88.8                          | 20,000 *               | 61.2                 | 87.9                          | 18,100 *               | 63.3                 | 86.2                          | 14,300 *               | 60                           |
| 65                           | 53.1                 | 85.7                          | 20,000 *               | 55.5                 | 85.3                          | 19,900 *               | 57.6                 | 84.2                          | 17,000 *               |                      |                               |                        | 65                           |
| 70                           | 49.5                 | 81.6                          | 20,000 *               | 51.8                 | 81.2                          | 18,500 *               | 53.9                 | 80.1                          | 16,100 *               |                      |                               |                        | 70                           |
| 75                           | 45.6                 | 77.0                          | 18,600                 | 47.9                 | 76.5                          | 17,300 *               | 49.9                 | 75.3                          | 15,300 *               |                      |                               |                        | 75                           |
| 80                           | 41.4                 | 71.6                          | 17,100                 | 43.7                 | 71.1                          | 16,300 *               |                      |                               |                        |                      |                               |                        | 80                           |
| 90                           | 31.8                 | 58.0                          | 14,600 *               |                      |                               |                        |                      |                               |                        |                      |                               |                        | 90                           |
| 80 Ft. BOOM                  |                      |                               |                        |                      |                               |                        |                      |                               |                        |                      |                               |                        |                              |
| 25                           | 79.4                 | 114.3                         | 20,000 *               |                      |                               |                        |                      |                               |                        |                      |                               |                        | 25                           |
| 30                           | 76.8                 | 113.2                         | 20,000 *               | 79.0                 | 112.8                         | 20,000 *               |                      |                               |                        |                      |                               |                        | 30                           |
| 35                           | 74.1                 | 111.8                         | 20,000 *               | 76.3                 | 111.5                         | 20,000 *               | 78.5                 | 110.6                         | 20,000 *               | 80.7                 | 109.1                         | 19,700 *               | 35                           |
| 40                           | 71.4                 | 110.2                         | 20,000 *               | 73.6                 | 109.9                         | 20,000 *               | 75.7                 | 109.0                         | 20,000 *               | 77.9                 | 107.4                         | 18,600 *               | 40                           |
| 45                           | 68.6                 | 108.4                         | 20,000 *               | 70.8                 | 108.0                         | 20,000 *               | 72.9                 | 107.1                         | 20,000 *               | 75.1                 | 105.5                         | 17,500 *               | 45                           |
| 50                           | 65.8                 | 106.3                         | 20,000 *               | 68.0                 | 105.9                         | 20,000 *               | 70.1                 | 104.9                         | 20,000 *               | 72.2                 | 103.3                         | 16,500 *               | 50                           |
| 55                           | 62.9                 | 103.8                         | 20,000 *               | 65.1                 | 103.4                         | 20,000 *               | 67.2                 | 102.5                         | 20,000 *               | 69.2                 | 100.8                         | 15,600 *               | 55                           |
| 60                           | 60.0                 | 101.0                         | 20,000 *               | 62.1                 | 100.6                         | 20,000 *               | 64.2                 | 99.7                          | 19,100 *               | 66.1                 | 98.0                          | 14,900 *               | 60                           |
| 65                           | 56.9                 | 97.9                          | 20,000 *               | 59.1                 | 97.5                          | 20,000 *               | 61.1                 | 96.5                          | 18,000 *               | 63.0                 | 94.7                          | 14,200 *               | 65                           |
| 70                           | 53.8                 | 94.4                          | 20,000 *               | 55.9                 | 94.0                          | 20,000 *               | 57.9                 | 92.9                          | 17,000 *               | 59.7                 | 91.1                          | 13,700 *               | 70                           |
| 75                           | 50.5                 | 90.5                          | 18,400                 | 52.6                 | 90.0                          | 18,500                 | 54.5                 | 88.9                          | 16,200 *               |                      |                               |                        | 75                           |
| 80                           | 47.0                 | 86.0                          | 16,900                 | 49.1                 | 85.6                          | 17,000                 | 51.0                 | 84.4                          | 15,500 *               |                      |                               |                        | 80                           |
| 90                           | 39.4                 | 75.3                          | 14,400                 | 41.4                 | 74.7                          | 14,500                 |                      |                               |                        |                      |                               |                        | 90                           |
| 90 Ft. BOOM                  |                      |                               |                        |                      |                               |                        |                      |                               |                        |                      |                               |                        |                              |
| 25                           | 80.3                 | 124.4                         | 20,000 *               |                      |                               |                        |                      |                               |                        |                      |                               |                        | 25                           |
| 30                           | 77.9                 | 123.4                         | 20,000 *               | 79.9                 | 123.1                         | 20,000 *               |                      |                               |                        |                      |                               |                        | 30                           |
| 35                           | 75.5                 | 122.2                         | 20,000 *               | 77.5                 | 121.8                         | 20,000 *               | 79.5                 | 120.9                         | 20,000 *               |                      |                               |                        | 35                           |
| 40                           | 73.0                 | 120.8                         | 20,000 *               | 75.0                 | 120.4                         | 20,000 *               | 77.0                 | 119.5                         | 20,000 *               | 79.0                 | 117.9                         | 19,100 *               | 40                           |
| 45                           | 70.5                 | 119.1                         | 20,000 *               | 72.5                 | 118.7                         | 20,000 *               | 74.4                 | 117.8                         | 20,000 *               | 76.4                 | 116.2                         | 18,000 *               | 45                           |
| 50                           | 67.9                 | 117.2                         | 20,000 *               | 69.9                 | 116.8                         | 20,000 *               | 71.9                 | 115.8                         | 20,000 *               | 73.8                 | 114.2                         | 17,000 *               | 50                           |
| 55                           | 65.4                 | 115.0                         | 20,000 *               | 67.3                 | 114.6                         | 20,000 *               | 69.2                 | 113.6                         | 20,000 *               | 71.1                 | 111.9                         | 16,200 *               | 55                           |
| 60                           | 62.7                 | 112.5                         | 20,000 *               | 64.7                 | 112.1                         | 20,000 *               | 66.6                 | 111.1                         | 20,000 *               | 68.4                 | 109.4                         | 15,400 *               | 60                           |
| 65                           | 60.0                 | 109.7                         | 20,000 *               | 61.9                 | 109.3                         | 20,000 *               | 63.8                 | 108.3                         | 19,000 *               | 65.6                 | 106.5                         | 14,700 *               | 65                           |
| 70                           | 57.2                 | 106.6                         | 19,900                 | 59.1                 | 106.2                         | 20,000 *               | 61.0                 | 105.1                         | 18,000 *               | 62.7                 | 103.3                         | 14,200 *               | 70                           |
| 75                           | 54.3                 | 103.2                         | 18,100                 | 56.3                 | 102.7                         | 18,300                 | 58.1                 | 101.6                         | 17,100 *               | 59.7                 | 99.8                          | 13,600 *               | 75                           |
| 80                           | 51.3                 | 99.3                          | 16,600                 | 53.2                 | 98.9                          | 16,800                 | 55.0                 | 97.7                          | 16,300 *               |                      |                               |                        | 80                           |
| 90                           | 44.9                 | 90.2                          | 14,200                 | 46.8                 | 89.7                          | 14,300                 |                      |                               |                        |                      |                               |                        | 90                           |
| 100                          | 37.7                 | 78.7                          | 12,300                 |                      |                               |                        |                      |                               |                        |                      |                               |                        | 100                          |

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### 30 Ft. JIB

| Jib<br>Oper.<br>Rad.<br>Feet | 0 Degree Offset      |                               |                        | 10 Degree Offset     |                               |                        | 20 Degree Offset     |                               |                        | 30 Degree Offset     |                               |                        | Jib<br>Oper.<br>Rad.<br>Feet |
|------------------------------|----------------------|-------------------------------|------------------------|----------------------|-------------------------------|------------------------|----------------------|-------------------------------|------------------------|----------------------|-------------------------------|------------------------|------------------------------|
|                              | Boom<br>Ang.<br>Deg. | Jib<br>Point<br>Elev.<br>Feet | Jib Capacity<br>Pounds | Boom<br>Ang.<br>Deg. | Jib<br>Point<br>Elev.<br>Feet | Jib Capacity<br>Pounds | Boom<br>Ang.<br>Deg. | Jib<br>Point<br>Elev.<br>Feet | Jib Capacity<br>Pounds | Boom<br>Ang.<br>Deg. | Jib<br>Point<br>Elev.<br>Feet | Jib Capacity<br>Pounds |                              |
| 100 Ft. BOOM                 |                      |                               |                        |                      |                               |                        |                      |                               |                        |                      |                               |                        |                              |
| 30                           | 78.8                 | 133.7                         | 20,000 *               | 80.7                 | 133.3                         | 20,000 *               |                      |                               |                        |                      |                               |                        | 30                           |
| 35                           | 76.6                 | 132.5                         | 20,000 *               | 78.4                 | 132.2                         | 20,000 *               | 80.3                 | 131.2                         | 20,000 *               |                      |                               |                        | 35                           |
| 40                           | 74.3                 | 131.2                         | 20,000 *               | 76.2                 | 130.8                         | 20,000 *               | 78.0                 | 129.9                         | 20,000 *               | 79.9                 | 128.3                         | 19,500 *               | 40                           |
| 45                           | 72.0                 | 129.7                         | 20,000 *               | 73.9                 | 129.3                         | 20,000 *               | 75.7                 | 128.3                         | 20,000 *               | 77.5                 | 126.7                         | 18,400 *               | 45                           |
| 50                           | 69.7                 | 127.9                         | 20,000 *               | 71.5                 | 127.5                         | 20,000 *               | 73.3                 | 126.6                         | 20,000 *               | 75.1                 | 124.9                         | 17,500 *               | 50                           |
| 55                           | 67.3                 | 125.9                         | 20,000 *               | 69.2                 | 125.5                         | 20,000 *               | 71.0                 | 124.5                         | 20,000 *               | 72.7                 | 122.9                         | 16,600 *               | 55                           |
| 60                           | 64.9                 | 123.7                         | 20,000 *               | 66.8                 | 123.2                         | 20,000 *               | 68.5                 | 122.3                         | 20,000 *               | 70.2                 | 120.6                         | 15,900 *               | 60                           |
| 65                           | 62.5                 | 121.2                         | 20,000 *               | 64.3                 | 120.7                         | 20,000 *               | 66.0                 | 119.7                         | 19,900 *               | 67.7                 | 118.0                         | 15,200 *               | 65                           |
| 70                           | 60.0                 | 118.4                         | 19,700                 | 61.8                 | 117.9                         | 19,900                 | 63.5                 | 116.9                         | 18,800 *               | 65.2                 | 115.1                         | 14,600 *               | 70                           |
| 75                           | 57.4                 | 115.3                         | 17,900                 | 59.2                 | 114.9                         | 18,100                 | 60.9                 | 113.8                         | 17,900 *               | 62.5                 | 112.0                         | 14,100 *               | 75                           |
| 80                           | 54.8                 | 111.9                         | 16,400                 | 56.6                 | 111.4                         | 16,600                 | 58.2                 | 110.3                         | 16,800                 | 59.8                 | 108.4                         | 13,600 *               | 80                           |
| 90                           | 49.2                 | 104.0                         | 14,000                 | 50.9                 | 103.5                         | 14,100                 | 52.5                 | 102.3                         | 14,200                 |                      |                               |                        | 90                           |
| 100                          | 43.1                 | 94.3                          | 12,100                 | 44.8                 | 93.7                          | 12,200                 |                      |                               |                        |                      |                               |                        | 100                          |
| 110                          | 36.2                 | 82.0                          | 10,500                 |                      |                               |                        |                      |                               |                        |                      |                               |                        | 110                          |
| 110 Ft. BOOM                 |                      |                               |                        |                      |                               |                        |                      |                               |                        |                      |                               |                        |                              |
| 30                           | 79.6                 | 143.8                         | 20,000 *               |                      |                               |                        |                      |                               |                        |                      |                               |                        | 30                           |
| 35                           | 77.6                 | 142.8                         | 20,000 *               | 79.3                 | 142.4                         | 20,000 *               | 81.0                 | 141.5                         | 20,000 *               |                      |                               |                        | 35                           |
| 40                           | 75.5                 | 141.6                         | 20,000 *               | 77.2                 | 141.2                         | 20,000 *               | 78.9                 | 140.3                         | 20,000 *               | 80.6                 | 138.6                         | 19,800 *               | 40                           |
| 45                           | 73.3                 | 140.2                         | 20,000 *               | 75.1                 | 139.8                         | 20,000 *               | 76.8                 | 138.8                         | 20,000 *               | 78.5                 | 137.2                         | 18,800 *               | 45                           |
| 50                           | 71.2                 | 138.5                         | 20,000 *               | 72.9                 | 138.1                         | 20,000 *               | 74.6                 | 137.2                         | 20,000 *               | 76.3                 | 135.5                         | 17,900 *               | 50                           |
| 55                           | 69.0                 | 136.7                         | 20,000 *               | 70.7                 | 136.3                         | 20,000 *               | 72.4                 | 135.3                         | 20,000 *               | 74.0                 | 133.6                         | 17,000 *               | 55                           |
| 60                           | 66.8                 | 134.6                         | 20,000 *               | 68.5                 | 134.2                         | 20,000 *               | 70.2                 | 133.2                         | 20,000 *               | 71.8                 | 131.5                         | 16,300 *               | 60                           |
| 65                           | 64.6                 | 132.3                         | 20,000 *               | 66.3                 | 131.9                         | 20,000 *               | 67.9                 | 130.9                         | 20,000 *               | 69.5                 | 129.2                         | 15,600 *               | 65                           |
| 70                           | 62.3                 | 129.8                         | 19,400                 | 64.0                 | 129.4                         | 19,700                 | 65.6                 | 128.4                         | 19,600 *               | 67.2                 | 126.6                         | 15,100 *               | 70                           |
| 75                           | 60.0                 | 127.0                         | 17,700                 | 61.7                 | 126.6                         | 17,900                 | 63.3                 | 125.5                         | 18,100                 | 64.8                 | 123.7                         | 14,500 *               | 75                           |
| 80                           | 57.6                 | 124.0                         | 16,200                 | 59.3                 | 123.5                         | 16,400                 | 60.8                 | 122.4                         | 16,600                 | 62.3                 | 120.6                         | 14,000 *               | 80                           |
| 90                           | 52.6                 | 116.9                         | 13,700                 | 54.3                 | 116.4                         | 13,900                 | 55.8                 | 115.3                         | 14,000                 |                      |                               |                        | 90                           |
| 100                          | 47.3                 | 108.4                         | 11,800                 | 48.9                 | 107.9                         | 11,900                 | 50.4                 | 106.7                         | 12,100                 |                      |                               |                        | 100                          |
| 110                          | 41.4                 | 98.1                          | 10,300                 | 43.0                 | 97.5                          | 10,400                 |                      |                               |                        |                      |                               |                        | 110                          |
| 120                          | 34.8                 | 85.2                          | 8,900 *                |                      |                               |                        |                      |                               |                        |                      |                               |                        | 120                          |
| 120 Ft. BOOM                 |                      |                               |                        |                      |                               |                        |                      |                               |                        |                      |                               |                        |                              |
| 30                           | 80.3                 | 154.0                         | 20,000 *               |                      |                               |                        |                      |                               |                        |                      |                               |                        | 30                           |
| 35                           | 78.4                 | 153.0                         | 20,000 *               | 80.0                 | 152.7                         | 20,000 *               |                      |                               |                        |                      |                               |                        | 35                           |
| 40                           | 76.4                 | 151.9                         | 20,000 *               | 78.1                 | 151.5                         | 20,000 *               | 79.7                 | 150.6                         | 20,000 *               |                      |                               |                        | 40                           |
| 45                           | 74.5                 | 150.6                         | 20,000 *               | 76.1                 | 150.2                         | 20,000 *               | 77.7                 | 149.2                         | 20,000 *               | 79.3                 | 147.6                         | 19,100 *               | 45                           |
| 50                           | 72.5                 | 149.1                         | 20,000 *               | 74.1                 | 148.7                         | 20,000 *               | 75.7                 | 147.7                         | 20,000 *               | 77.2                 | 146.0                         | 18,200 *               | 50                           |
| 55                           | 70.5                 | 147.4                         | 20,000 *               | 72.1                 | 147.0                         | 20,000 *               | 73.6                 | 146.0                         | 20,000 *               | 75.2                 | 144.3                         | 17,400 *               | 55                           |
| 60                           | 68.5                 | 145.5                         | 20,000 *               | 70.0                 | 145.1                         | 20,000 *               | 71.6                 | 144.1                         | 20,000 *               | 73.1                 | 142.4                         | 16,700 *               | 60                           |
| 65                           | 66.4                 | 143.4                         | 20,000 *               | 68.0                 | 142.9                         | 20,000 *               | 69.5                 | 141.9                         | 20,000 *               | 71.0                 | 140.2                         | 16,000 *               | 65                           |
| 70                           | 64.3                 | 141.0                         | 19,200                 | 65.9                 | 140.6                         | 19,400                 | 67.4                 | 139.6                         | 19,700                 | 68.9                 | 137.8                         | 15,400 *               | 70                           |
| 75                           | 62.2                 | 138.5                         | 17,400                 | 63.7                 | 138.1                         | 17,700                 | 65.2                 | 137.0                         | 17,900                 | 66.7                 | 135.2                         | 14,900 *               | 75                           |
| 80                           | 60.0                 | 135.7                         | 15,900                 | 61.6                 | 135.2                         | 16,100                 | 63.0                 | 134.2                         | 16,300                 | 64.4                 | 132.3                         | 14,400 *               | 80                           |
| 90                           | 55.5                 | 129.3                         | 13,500                 | 57.0                 | 128.8                         | 13,600                 | 58.5                 | 127.7                         | 13,800                 | 59.8                 | 125.8                         | 13,600 *               | 90                           |
| 100                          | 50.7                 | 121.7                         | 11,500                 | 52.2                 | 121.2                         | 11,700                 | 53.6                 | 120.0                         | 11,800                 |                      |                               |                        | 100                          |
| 110                          | 45.6                 | 112.7                         | 10,000                 | 47.1                 | 112.1                         | 10,100                 |                      |                               |                        |                      |                               |                        | 110                          |
| 120                          | 40.0                 | 101.8                         | 8,700                  | 41.4                 | 101.2                         | 8,800                  |                      |                               |                        |                      |                               |                        | 120                          |
| 130                          | 33.6                 | 88.2                          | 7,300 *                |                      |                               |                        |                      |                               |                        |                      |                               |                        | 130                          |



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14,000 Lb. Crawler Frame Counterweight

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360 Degree Rating

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ANSI B30.5  
Requirements

## 222 SERIES B

## 222EX SERIES B

### 30 Ft. JIB

| Jib<br>Oper.<br>Rad.<br>Feet | 0 Degree Offset      |                               |                        | 10 Degree Offset     |                               |                        | 20 Degree Offset     |                               |                        | 30 Degree Offset     |                               |                        | Jib<br>Oper.<br>Rad.<br>Feet |
|------------------------------|----------------------|-------------------------------|------------------------|----------------------|-------------------------------|------------------------|----------------------|-------------------------------|------------------------|----------------------|-------------------------------|------------------------|------------------------------|
|                              | Boom<br>Ang.<br>Deg. | Jib<br>Point<br>Elev.<br>Feet | Jib Capacity<br>Pounds | Boom<br>Ang.<br>Deg. | Jib<br>Point<br>Elev.<br>Feet | Jib Capacity<br>Pounds | Boom<br>Ang.<br>Deg. | Jib<br>Point<br>Elev.<br>Feet | Jib Capacity<br>Pounds | Boom<br>Ang.<br>Deg. | Jib<br>Point<br>Elev.<br>Feet | Jib Capacity<br>Pounds |                              |
| 130 Ft. BOOM                 |                      |                               |                        |                      |                               |                        |                      |                               |                        |                      |                               |                        |                              |
| 30                           | 80.9                 | 164.2                         | 20,000 *               |                      |                               |                        |                      |                               |                        |                      |                               |                        | 30                           |
| 35                           | 79.1                 | 163.3                         | 20,000 *               | 80.6                 | 162.9                         | 20,000 *               |                      |                               |                        |                      |                               |                        | 35                           |
| 40                           | 77.3                 | 162.2                         | 20,000 *               | 78.8                 | 161.8                         | 20,000 *               | 80.3                 | 160.8                         | 20,000 *               |                      |                               |                        | 40                           |
| 45                           | 75.5                 | 160.9                         | 20,000 *               | 77.0                 | 160.5                         | 20,000 *               | 78.5                 | 159.6                         | 20,000 *               | 80.0                 | 157.9                         | 19,500 *               | 45                           |
| 50                           | 73.6                 | 159.5                         | 20,000 *               | 75.1                 | 159.1                         | 20,000 *               | 76.6                 | 158.2                         | 20,000 *               | 78.1                 | 156.5                         | 18,600 *               | 50                           |
| 55                           | 71.8                 | 158.0                         | 20,000 *               | 73.2                 | 157.5                         | 20,000 *               | 74.7                 | 156.6                         | 20,000 *               | 76.2                 | 154.9                         | 17,800 *               | 55                           |
| 60                           | 69.9                 | 156.2                         | 20,000 *               | 71.4                 | 155.8                         | 20,000 *               | 72.8                 | 154.8                         | 20,000 *               | 74.2                 | 153.1                         | 17,100 *               | 60                           |
| 65                           | 67.9                 | 154.2                         | 20,000 *               | 69.4                 | 153.8                         | 20,000 *               | 70.9                 | 152.8                         | 20,000 *               | 72.3                 | 151.1                         | 16,400 *               | 65                           |
| 70                           | 66.0                 | 152.1                         | 18,900                 | 67.5                 | 151.7                         | 19,200                 | 68.9                 | 150.6                         | 19,500                 | 70.3                 | 148.9                         | 15,800 *               | 70                           |
| 75                           | 64.0                 | 149.7                         | 17,200                 | 65.5                 | 149.3                         | 17,400                 | 66.9                 | 148.2                         | 17,700                 | 68.3                 | 146.4                         | 15,300 *               | 75                           |
| 80                           | 62.0                 | 147.2                         | 15,700                 | 63.5                 | 146.7                         | 15,900                 | 64.9                 | 145.6                         | 16,100                 | 66.2                 | 143.8                         | 14,800 *               | 80                           |
| 90                           | 57.9                 | 141.3                         | 13,200                 | 59.4                 | 140.8                         | 13,400                 | 60.7                 | 139.7                         | 13,600                 | 62.0                 | 137.8                         | 13,800                 | 90                           |
| 100                          | 53.6                 | 134.4                         | 11,300                 | 55.0                 | 133.9                         | 11,500                 | 56.3                 | 132.8                         | 11,600                 |                      |                               |                        | 100                          |
| 110                          | 49.0                 | 126.3                         | 9,800                  | 50.4                 | 125.8                         | 9,900                  | 51.7                 | 124.6                         | 10,000                 |                      |                               |                        | 110                          |
| 120                          | 44.1                 | 116.8                         | 8,500                  | 45.5                 | 116.2                         | 8,600                  |                      |                               |                        |                      |                               |                        | 120                          |
| 130                          | 38.6                 | 105.3                         | 7,200 *                | 40.0                 | 104.7                         | 7,400 *                |                      |                               |                        |                      |                               |                        | 130                          |
| 140                          | 32.5                 | 91.2                          | 6,000 *                |                      |                               |                        |                      |                               |                        |                      |                               |                        | 140                          |
| 140 Ft. BOOM                 |                      |                               |                        |                      |                               |                        |                      |                               |                        |                      |                               |                        |                              |
| 35                           | 79.8                 | 173.4                         | 20,000 *               |                      |                               |                        |                      |                               |                        |                      |                               |                        | 35                           |
| 40                           | 78.1                 | 172.4                         | 20,000 *               | 79.5                 | 172.0                         | 20,000 *               | 80.9                 | 171.1                         | 20,000 *               |                      |                               |                        | 40                           |
| 45                           | 76.3                 | 171.3                         | 20,000 *               | 77.8                 | 170.9                         | 20,000 *               | 79.2                 | 169.9                         | 20,000 *               | 80.6                 | 168.2                         | 19,700 *               | 45                           |
| 50                           | 74.6                 | 170.0                         | 20,000 *               | 76.0                 | 169.5                         | 20,000 *               | 77.4                 | 168.6                         | 20,000 *               | 78.8                 | 166.9                         | 18,900 *               | 50                           |
| 55                           | 72.9                 | 168.5                         | 20,000 *               | 74.3                 | 168.1                         | 20,000 *               | 75.6                 | 167.1                         | 20,000 *               | 77.0                 | 165.4                         | 18,100 *               | 55                           |
| 60                           | 71.1                 | 166.8                         | 20,000 *               | 72.5                 | 166.4                         | 20,000 *               | 73.9                 | 165.4                         | 20,000 *               | 75.2                 | 163.7                         | 17,400 *               | 60                           |
| 65                           | 69.3                 | 165.0                         | 20,000 *               | 70.7                 | 164.6                         | 20,000 *               | 72.1                 | 163.6                         | 20,000 *               | 73.4                 | 161.8                         | 16,700 *               | 65                           |
| 70                           | 67.5                 | 163.0                         | 18,500 *               | 68.9                 | 162.6                         | 18,700 *               | 70.2                 | 161.5                         | 19,000 *               | 71.6                 | 159.8                         | 16,200 *               | 70                           |
| 75                           | 65.7                 | 160.8                         | 16,900 *               | 67.1                 | 160.4                         | 17,100 *               | 68.4                 | 159.3                         | 17,400 *               | 69.7                 | 157.5                         | 15,600 *               | 75                           |
| 80                           | 63.8                 | 158.4                         | 15,500                 | 65.2                 | 158.0                         | 15,700                 | 66.5                 | 156.9                         | 15,900                 | 67.8                 | 155.1                         | 15,100 *               | 80                           |
| 90                           | 60.0                 | 153.0                         | 13,000                 | 61.4                 | 152.6                         | 13,200                 | 62.7                 | 151.5                         | 13,400                 | 63.9                 | 149.6                         | 13,600                 | 90                           |
| 100                          | 56.0                 | 146.7                         | 11,100                 | 57.4                 | 146.2                         | 11,300                 | 58.7                 | 145.1                         | 11,400                 | 59.8                 | 143.1                         | 11,600                 | 100                          |
| 110                          | 51.9                 | 139.4                         | 9,500                  | 53.2                 | 138.9                         | 9,700                  | 54.4                 | 137.6                         | 9,800                  |                      |                               |                        | 110                          |
| 120                          | 47.4                 | 130.8                         | 8,200 *                | 48.8                 | 130.3                         | 8,400                  | 50.0                 | 129.0                         | 8,500                  |                      |                               |                        | 120                          |
| 130                          | 42.7                 | 120.7                         | 7,000 *                | 44.0                 | 120.1                         | 7,200 *                |                      |                               |                        |                      |                               |                        | 130                          |
| 140                          | 37.4                 | 108.7                         | 5,900 *                |                      |                               |                        |                      |                               |                        |                      |                               |                        | 140                          |
| 150                          | 31.5                 | 94.0                          | 4,800 *                |                      |                               |                        |                      |                               |                        |                      |                               |                        | 150                          |

# Liftcrane Jib Capacities

New York City Code  
Jib No. 10 With 12 Ft. 6 in. Strut On  
Boom No. 222 With Open Throat Top  
63,300 Lb. Crane Counterweight  
14,000 Lb. Crawler Frame Counterweight  
22 Ft. 4 in. Crawlers Extended  
360 Degree Rating

Meets  
ANSI B30.5  
Requirements

## 222 SERIES B 222EX SERIES B

### 30 Ft. JIB

| Jib<br>Oper.<br>Rad.<br>Feet | 0 Degree Offset      |                               |                        | 10 Degree Offset     |                               |                        | 20 Degree Offset     |                               |                        | 30 Degree Offset     |                               |                        | Jib<br>Oper.<br>Rad.<br>Feet |
|------------------------------|----------------------|-------------------------------|------------------------|----------------------|-------------------------------|------------------------|----------------------|-------------------------------|------------------------|----------------------|-------------------------------|------------------------|------------------------------|
|                              | Boom<br>Ang.<br>Deg. | Jib<br>Point<br>Elev.<br>Feet | Jib Capacity<br>Pounds | Boom<br>Ang.<br>Deg. | Jib<br>Point<br>Elev.<br>Feet | Jib Capacity<br>Pounds | Boom<br>Ang.<br>Deg. | Jib<br>Point<br>Elev.<br>Feet | Jib Capacity<br>Pounds | Boom<br>Ang.<br>Deg. | Jib<br>Point<br>Elev.<br>Feet | Jib Capacity<br>Pounds |                              |
| 150 Ft. BOOM                 |                      |                               |                        |                      |                               |                        |                      |                               |                        |                      |                               |                        |                              |
| 35                           | 80.3                 | 183.6                         | 20,000 *               |                      |                               |                        |                      |                               |                        |                      |                               |                        | 35                           |
| 40                           | 78.7                 | 182.6                         | 20,000 *               | 80.1                 | 182.2                         | 20,000 *               |                      |                               |                        |                      |                               |                        | 40                           |
| 45                           | 77.1                 | 181.6                         | 20,000 *               | 78.5                 | 181.1                         | 20,000 *               | 79.8                 | 180.2                         | 20,000 *               |                      |                               |                        | 45                           |
| 50                           | 75.5                 | 180.3                         | 20,000 *               | 76.8                 | 179.9                         | 20,000 *               | 78.1                 | 178.9                         | 20,000 *               | 79.5                 | 177.2                         | 19,200 *               | 50                           |
| 55                           | 73.8                 | 178.9                         | 20,000 *               | 75.2                 | 178.5                         | 20,000 *               | 76.5                 | 177.5                         | 20,000 *               | 77.8                 | 175.8                         | 18,400 *               | 55                           |
| 60                           | 72.2                 | 177.4                         | 20,000 *               | 73.5                 | 177.0                         | 20,000 *               | 74.8                 | 175.9                         | 20,000 *               | 76.1                 | 174.2                         | 17,700 *               | 60                           |
| 65                           | 70.5                 | 175.7                         | 19,600 *               | 71.8                 | 175.2                         | 19,800 *               | 73.1                 | 174.2                         | 20,000 *               | 74.4                 | 172.5                         | 17,100 *               | 65                           |
| 70                           | 68.8                 | 173.8                         | 17,800 *               | 70.1                 | 173.4                         | 18,000 *               | 71.4                 | 172.3                         | 18,300 *               | 72.7                 | 170.5                         | 16,500 *               | 70                           |
| 75                           | 67.1                 | 171.7                         | 16,200 *               | 68.4                 | 171.3                         | 16,500 *               | 69.7                 | 170.3                         | 16,700 *               | 70.9                 | 168.5                         | 15,900 *               | 75                           |
| 80                           | 65.4                 | 169.5                         | 14,900 *               | 66.7                 | 169.1                         | 15,100 *               | 67.9                 | 168.0                         | 15,400 *               | 69.1                 | 166.2                         | 15,400 *               | 80                           |
| 90                           | 61.8                 | 164.5                         | 12,600 *               | 63.1                 | 164.0                         | 12,800 *               | 64.3                 | 162.9                         | 13,000 *               | 65.5                 | 161.1                         | 13,300 *               | 90                           |
| 100                          | 58.1                 | 158.6                         | 10,700 *               | 59.4                 | 158.2                         | 10,900 *               | 60.6                 | 157.0                         | 11,200 *               | 61.8                 | 155.1                         | 11,400 *               | 100                          |
| 110                          | 54.3                 | 151.9                         | 9,200 *                | 55.6                 | 151.4                         | 9,400 *                | 56.8                 | 150.2                         | 9,600 *                |                      |                               |                        | 110                          |
| 120                          | 50.3                 | 144.1                         | 7,800 *                | 51.6                 | 143.6                         | 8,000 *                | 52.7                 | 142.3                         | 8,200 *                |                      |                               |                        | 120                          |
| 130                          | 46.0                 | 135.1                         | 6,700 *                | 47.3                 | 134.5                         | 6,900 *                |                      |                               |                        |                      |                               |                        | 130                          |
| 140                          | 41.4                 | 124.5                         | 5,600 *                | 42.7                 | 123.9                         | 5,800 *                |                      |                               |                        |                      |                               |                        | 140                          |
| 150                          | 36.4                 | 112.0                         | 4,600 *                |                      |                               |                        |                      |                               |                        |                      |                               |                        | 150                          |
| 160                          | 30.6                 | 96.8                          | 3,700 *                |                      |                               |                        |                      |                               |                        |                      |                               |                        | 160                          |
| 160 Ft. BOOM                 |                      |                               |                        |                      |                               |                        |                      |                               |                        |                      |                               |                        |                              |
| 35                           | 80.9                 | 193.7                         | 20,000 *               |                      |                               |                        |                      |                               |                        |                      |                               |                        | 35                           |
| 40                           | 79.3                 | 192.8                         | 20,000 *               | 80.6                 | 192.4                         | 20,000 *               |                      |                               |                        |                      |                               |                        | 40                           |
| 45                           | 77.8                 | 191.8                         | 20,000 *               | 79.1                 | 191.4                         | 20,000 *               | 80.3                 | 190.4                         | 20,000 *               |                      |                               |                        | 45                           |
| 50                           | 76.3                 | 190.6                         | 20,000 *               | 77.5                 | 190.2                         | 20,000 *               | 78.8                 | 189.2                         | 20,000 *               | 80.0                 | 187.5                         | 19,400 *               | 50                           |
| 55                           | 74.7                 | 189.3                         | 20,000 *               | 76.0                 | 188.9                         | 20,000 *               | 77.2                 | 187.9                         | 20,000 *               | 78.5                 | 186.2                         | 18,700 *               | 55                           |
| 60                           | 73.1                 | 187.9                         | 20,000 *               | 74.4                 | 187.4                         | 20,000 *               | 75.6                 | 186.4                         | 20,000 *               | 76.9                 | 184.7                         | 18,000 *               | 60                           |
| 65                           | 71.6                 | 186.2                         | 18,800 *               | 72.8                 | 185.8                         | 19,000 *               | 74.0                 | 184.8                         | 19,300 *               | 75.3                 | 183.0                         | 17,300 *               | 65                           |
| 70                           | 70.0                 | 184.5                         | 17,000 *               | 71.2                 | 184.1                         | 17,200 *               | 72.4                 | 183.0                         | 17,600 *               | 73.6                 | 181.2                         | 16,800 *               | 70                           |
| 75                           | 68.4                 | 182.6                         | 15,500 *               | 69.6                 | 182.1                         | 15,700 *               | 70.8                 | 181.1                         | 16,000 *               | 72.0                 | 179.3                         | 16,200 *               | 75                           |
| 80                           | 66.7                 | 180.5                         | 14,100 *               | 68.0                 | 180.0                         | 14,400 *               | 69.2                 | 179.0                         | 14,600 *               | 70.3                 | 177.2                         | 15,000 *               | 80                           |
| 90                           | 63.4                 | 175.8                         | 11,900 *               | 64.7                 | 175.3                         | 12,100 *               | 65.8                 | 174.2                         | 12,400 *               | 67.0                 | 172.4                         | 12,700 *               | 90                           |
| 100                          | 60.0                 | 170.3                         | 10,100 *               | 61.2                 | 169.9                         | 10,300 *               | 62.4                 | 168.7                         | 10,500 *               | 63.5                 | 166.8                         | 10,800 *               | 100                          |
| 110                          | 56.5                 | 164.1                         | 8,600 *                | 57.7                 | 163.6                         | 8,800 *                | 58.8                 | 162.4                         | 9,000 *                | 59.8                 | 160.4                         | 9,200 *                | 110                          |
| 120                          | 52.8                 | 156.9                         | 7,300 *                | 54.0                 | 156.4                         | 7,500 *                | 55.1                 | 155.2                         | 7,700 *                |                      |                               |                        | 120                          |
| 130                          | 48.9                 | 148.7                         | 6,200 *                | 50.1                 | 148.2                         | 6,400 *                | 51.1                 | 146.9                         | 6,600 *                |                      |                               |                        | 130                          |
| 140                          | 44.7                 | 139.2                         | 5,200 *                | 45.9                 | 138.7                         | 5,400 *                |                      |                               |                        |                      |                               |                        | 140                          |
| 150                          | 40.3                 | 128.2                         | 4,300 *                | 41.4                 | 127.6                         | 4,500 *                |                      |                               |                        |                      |                               |                        | 150                          |
| 160                          | 35.4                 | 115.2                         | 3,400 *                |                      |                               |                        |                      |                               |                        |                      |                               |                        | 160                          |



# Liftcrane Jib Capacities

New York City Code

Jib No. 10 With 12 Ft. 6 in. Strut On

Boom No. 222 With Open Throat Top

63,300 Lb. Crane Counterweight

14,000 Lb. Crawler Frame Counterweight

22 Ft. 4 in. Crawlers Extended

360 Degree Rating

 Meets  
ANSI B30.5  
Requirements

## 222 SERIES B

## 222EX SERIES B

### 30 Ft. JIB

| Jib<br>Oper.<br>Rad.<br>Feet | 0 Degree Offset      |                               |                        | 10 Degree Offset     |                               |                        | 20 Degree Offset     |                               |                        | 30 Degree Offset     |                               |                        | Jib<br>Oper.<br>Rad.<br>Feet |
|------------------------------|----------------------|-------------------------------|------------------------|----------------------|-------------------------------|------------------------|----------------------|-------------------------------|------------------------|----------------------|-------------------------------|------------------------|------------------------------|
|                              | Boom<br>Ang.<br>Deg. | Jib<br>Point<br>Elev.<br>Feet | Jib Capacity<br>Pounds | Boom<br>Ang.<br>Deg. | Jib<br>Point<br>Elev.<br>Feet | Jib Capacity<br>Pounds | Boom<br>Ang.<br>Deg. | Jib<br>Point<br>Elev.<br>Feet | Jib Capacity<br>Pounds | Boom<br>Ang.<br>Deg. | Jib<br>Point<br>Elev.<br>Feet | Jib Capacity<br>Pounds |                              |
| 170 Ft. BOOM                 |                      |                               |                        |                      |                               |                        |                      |                               |                        |                      |                               |                        |                              |
| 40                           | 79.9                 | 203.0                         | 20,000 *               |                      |                               |                        |                      |                               |                        |                      |                               |                        | 40                           |
| 45                           | 78.4                 | 202.0                         | 20,000 *               | 79.6                 | 201.6                         | 20,000 *               | 80.8                 | 200.6                         | 20,000 *               |                      |                               |                        | 45                           |
| 50                           | 77.0                 | 200.9                         | 20,000 *               | 78.2                 | 200.5                         | 20,000 *               | 79.4                 | 199.5                         | 20,000 *               | 80.6                 | 197.8                         | 19,600 *               | 50                           |
| 55                           | 75.5                 | 199.7                         | 20,000 *               | 76.7                 | 199.3                         | 20,000 *               | 77.9                 | 198.3                         | 20,000 *               | 79.1                 | 196.5                         | 18,900 *               | 55                           |
| 60                           | 74.0                 | 198.3                         | 20,000 *               | 75.2                 | 197.9                         | 20,000 *               | 76.4                 | 196.9                         | 20,000 *               | 77.6                 | 195.1                         | 18,200 *               | 60                           |
| 65                           | 72.5                 | 196.8                         | 18,100 *               | 73.7                 | 196.3                         | 18,400 *               | 74.9                 | 195.3                         | 18,700 *               | 76.0                 | 193.6                         | 17,600 *               | 65                           |
| 70                           | 71.0                 | 195.1                         | 16,300 *               | 72.2                 | 194.7                         | 16,600 *               | 73.4                 | 193.6                         | 16,900 *               | 74.5                 | 191.9                         | 17,000 *               | 70                           |
| 75                           | 69.5                 | 193.3                         | 14,800 *               | 70.7                 | 192.9                         | 15,100 *               | 71.8                 | 191.8                         | 15,400 *               | 73.0                 | 190.0                         | 15,800 *               | 75                           |
| 80                           | 68.0                 | 191.3                         | 13,500 *               | 69.1                 | 190.9                         | 13,800 *               | 70.3                 | 189.8                         | 14,100 *               | 71.4                 | 188.0                         | 14,400 *               | 80                           |
| 90                           | 64.8                 | 186.9                         | 11,300 *               | 66.0                 | 186.5                         | 11,600 *               | 67.1                 | 185.4                         | 11,800 *               | 68.2                 | 183.5                         | 12,100 *               | 90                           |
| 100                          | 61.6                 | 181.8                         | 9,600 *                | 62.8                 | 181.3                         | 9,800 *                | 63.9                 | 180.2                         | 10,000 *               | 65.0                 | 178.3                         | 10,300 *               | 100                          |
| 110                          | 58.3                 | 176.0                         | 8,100 *                | 59.5                 | 175.5                         | 8,300 *                | 60.6                 | 174.4                         | 8,500 *                | 61.6                 | 172.4                         | 8,700 *                | 110                          |
| 120                          | 54.9                 | 169.3                         | 6,800 *                | 56.1                 | 168.8                         | 7,000 *                | 57.1                 | 167.6                         | 7,200 *                |                      |                               |                        | 120                          |
| 130                          | 51.3                 | 161.8                         | 5,800 *                | 52.5                 | 161.3                         | 6,000 *                | 53.5                 | 160.0                         | 6,100 *                |                      |                               |                        | 130                          |
| 140                          | 47.6                 | 153.2                         | 4,800 *                | 48.7                 | 152.6                         | 5,000 *                | 49.7                 | 151.3                         | 5,200 *                |                      |                               |                        | 140                          |
| 150                          | 43.5                 | 143.3                         | 4,000 *                | 44.7                 | 142.7                         | 4,100 *                |                      |                               |                        |                      |                               |                        | 150                          |
| 160                          | 39.2                 | 131.8                         | 3,200 *                | 40.3                 | 131.2                         | 3,300 *                |                      |                               |                        |                      |                               |                        | 160                          |
| 180 Ft. BOOM                 |                      |                               |                        |                      |                               |                        |                      |                               |                        |                      |                               |                        |                              |
| 40                           | 80.4                 | 213.2                         | 20,000 *               |                      |                               |                        |                      |                               |                        |                      |                               |                        | 40                           |
| 45                           | 79.0                 | 212.2                         | 20,000 *               | 80.1                 | 211.8                         | 20,000 *               |                      |                               |                        |                      |                               |                        | 45                           |
| 50                           | 77.6                 | 211.2                         | 20,000 *               | 78.7                 | 210.8                         | 20,000 *               | 79.9                 | 209.8                         | 20,000 *               | 81.0                 | 208.0                         | 19,900 *               | 50                           |
| 55                           | 76.2                 | 210.0                         | 20,000 *               | 77.3                 | 209.6                         | 20,000 *               | 78.5                 | 208.6                         | 20,000 *               | 79.6                 | 206.8                         | 19,100 *               | 55                           |
| 60                           | 74.8                 | 208.7                         | 19,400 *               | 75.9                 | 208.3                         | 19,800 *               | 77.0                 | 207.2                         | 20,000 *               | 78.2                 | 205.5                         | 18,500 *               | 60                           |
| 65                           | 73.4                 | 207.2                         | 17,400 *               | 74.5                 | 206.8                         | 17,700 *               | 75.6                 | 205.8                         | 18,100 *               | 76.7                 | 204.0                         | 17,900 *               | 65                           |
| 70                           | 71.9                 | 205.7                         | 15,700 *               | 73.1                 | 205.2                         | 16,000 *               | 74.2                 | 204.2                         | 16,300 *               | 75.3                 | 202.4                         | 16,800 *               | 70                           |
| 75                           | 70.5                 | 203.9                         | 14,200 *               | 71.6                 | 203.5                         | 14,500 *               | 72.7                 | 202.5                         | 14,800 *               | 73.8                 | 200.7                         | 15,200 *               | 75                           |
| 80                           | 69.1                 | 202.1                         | 12,900 *               | 70.2                 | 201.6                         | 13,200 *               | 71.3                 | 200.6                         | 13,500 *               | 72.4                 | 198.8                         | 13,900 *               | 80                           |
| 90                           | 66.1                 | 197.9                         | 10,700 *               | 67.2                 | 197.5                         | 11,000 *               | 68.3                 | 196.4                         | 11,300 *               | 69.4                 | 194.5                         | 11,600 *               | 90                           |
| 100                          | 63.1                 | 193.1                         | 9,000 *                | 64.2                 | 192.7                         | 9,300 *                | 65.3                 | 191.6                         | 9,500 *                | 66.3                 | 189.7                         | 9,800 *                | 100                          |
| 110                          | 60.0                 | 187.7                         | 7,600 *                | 61.1                 | 187.2                         | 7,800 *                | 62.1                 | 186.0                         | 8,000 *                | 63.1                 | 184.1                         | 8,300 *                | 110                          |
| 120                          | 56.8                 | 181.4                         | 6,400 *                | 57.9                 | 181.0                         | 6,600 *                | 58.9                 | 179.8                         | 6,800 *                | 59.9                 | 177.7                         | 7,000 *                | 120                          |
| 130                          | 53.5                 | 174.4                         | 5,300 *                | 54.6                 | 173.9                         | 5,500 *                | 55.6                 | 172.7                         | 5,700 *                |                      |                               |                        | 130                          |
| 140                          | 50.0                 | 166.5                         | 4,400 *                | 51.1                 | 166.0                         | 4,600 *                | 52.1                 | 164.7                         | 4,800 *                |                      |                               |                        | 140                          |
| 150                          | 46.3                 | 157.5                         | 3,600 *                | 47.4                 | 156.9                         | 3,800 *                |                      |                               |                        |                      |                               |                        | 150                          |
| 160                          |                      |                               |                        | 43.5                 | 146.6                         | 3,000 *                |                      |                               |                        |                      |                               |                        | 160                          |

# Liftcrane Jib Capacities

New York City Code  
Jib No. 10 With 12 Ft. 6 in. Strut On  
Boom No. 222 With Open Throat Top  
63,300 Lb. Crane Counterweight  
14,000 Lb. Crawler Frame Counterweight  
22 Ft. 4 in. Crawlers Extended  
360 Degree Rating

Meets  
ANSI B30.5  
Requirements

## 222 SERIES B 222EX SERIES B

### 30 Ft. JIB

| Jib<br>Oper.<br>Rad.<br>Feet | 0 Degree Offset      |                               |                        | 10 Degree Offset     |                               |                        | 20 Degree Offset     |                               |                        | 30 Degree Offset     |                               |                        | Jib<br>Oper.<br>Rad.<br>Feet |
|------------------------------|----------------------|-------------------------------|------------------------|----------------------|-------------------------------|------------------------|----------------------|-------------------------------|------------------------|----------------------|-------------------------------|------------------------|------------------------------|
|                              | Boom<br>Ang.<br>Deg. | Jib<br>Point<br>Elev.<br>Feet | Jib Capacity<br>Pounds | Boom<br>Ang.<br>Deg. | Jib<br>Point<br>Elev.<br>Feet | Jib Capacity<br>Pounds | Boom<br>Ang.<br>Deg. | Jib<br>Point<br>Elev.<br>Feet | Jib Capacity<br>Pounds | Boom<br>Ang.<br>Deg. | Jib<br>Point<br>Elev.<br>Feet | Jib Capacity<br>Pounds |                              |
| 190 Ft. BOOM                 |                      |                               |                        |                      |                               |                        |                      |                               |                        |                      |                               |                        |                              |
| 40                           | 80.8                 | 223.3                         | 17,200 *               |                      |                               |                        |                      |                               |                        |                      |                               |                        | 40                           |
| 45                           | 79.5                 | 222.4                         | 17,100 *               | 80.6                 | 222.0                         | 20,000 *               |                      |                               |                        |                      |                               |                        | 45                           |
| 50                           | 78.2                 | 221.4                         | 16,600 *               | 79.3                 | 221.0                         | 20,000 *               | 80.3                 | 220.0                         | 20,000 *               |                      |                               |                        | 50                           |
| 55                           | 76.8                 | 220.3                         | 16,600 *               | 77.9                 | 219.9                         | 20,000 *               | 79.0                 | 218.9                         | 20,000 *               | 80.1                 | 217.1                         | 19,400 *               | 55                           |
| 60                           | 75.5                 | 219.0                         | 16,600 *               | 76.6                 | 218.6                         | 19,100 *               | 77.7                 | 217.6                         | 19,600 *               | 78.7                 | 215.8                         | 18,700 *               | 60                           |
| 65                           | 74.1                 | 217.7                         | 16,600 *               | 75.2                 | 217.2                         | 17,100 *               | 76.3                 | 216.2                         | 17,500 *               | 77.4                 | 214.4                         | 18,000 *               | 65                           |
| 70                           | 72.8                 | 216.2                         | 15,100 *               | 73.9                 | 215.7                         | 15,400 *               | 74.9                 | 214.7                         | 15,800 *               | 76.0                 | 212.9                         | 16,200 *               | 70                           |
| 75                           | 71.4                 | 214.5                         | 13,600 *               | 72.5                 | 214.1                         | 13,900 *               | 73.6                 | 213.1                         | 14,300 *               | 74.6                 | 211.3                         | 14,700 *               | 75                           |
| 80                           | 70.0                 | 212.8                         | 12,300 *               | 71.1                 | 212.3                         | 12,600 *               | 72.2                 | 211.3                         | 12,900 *               | 73.2                 | 209.5                         | 13,300 *               | 80                           |
| 90                           | 67.3                 | 208.8                         | 10,200 *               | 68.3                 | 208.4                         | 10,500 *               | 69.4                 | 207.3                         | 10,700 *               | 70.4                 | 205.4                         | 11,100 *               | 90                           |
| 100                          | 64.4                 | 204.3                         | 8,500 *                | 65.5                 | 203.8                         | 8,700 *                | 66.5                 | 202.7                         | 9,000 *                | 67.5                 | 200.8                         | 9,300 *                | 100                          |
| 110                          | 61.5                 | 199.1                         | 7,100 *                | 62.6                 | 198.7                         | 7,300 *                | 63.6                 | 197.5                         | 7,500 *                | 64.5                 | 195.6                         | 7,800 *                | 110                          |
| 120                          | 58.5                 | 193.3                         | 5,900 *                | 59.5                 | 192.8                         | 6,100 *                | 60.5                 | 191.7                         | 6,300 *                | 61.4                 | 189.7                         | 6,500 *                | 120                          |
| 130                          | 55.4                 | 186.8                         | 4,900 *                | 56.4                 | 186.3                         | 5,100 *                | 57.4                 | 185.0                         | 5,300 *                |                      |                               |                        | 130                          |
| 140                          | 52.2                 | 179.4                         | 4,000 *                | 53.2                 | 178.9                         | 4,200 *                | 54.1                 | 177.6                         | 4,300 *                |                      |                               |                        | 140                          |
| 150                          | 48.8                 | 171.1                         | 3,200 *                | 49.8                 | 170.5                         | 3,400 *                | 50.7                 | 169.2                         | 3,500 *                |                      |                               |                        | 150                          |



# Liftcrane Jib Capacities

New York City Code

Jib No. 10 With 12 Ft. 6 in. Strut On

Boom No. 222 With Open Throat Top

63,300 Lb. Crane Counterweight

14,000 Lb. Crawler Frame Counterweight

22 Ft. 4 in. Crawlers Extended

360 Degree Rating

 Meets  
ANSI B30.5  
Requirements

## 222 SERIES B

## 222EX SERIES B

### 40 Ft. JIB

| Jib<br>Oper.<br>Rad.<br>Feet | 0 Degree Offset      |                               |                        | 10 Degree Offset     |                               |                        | 20 Degree Offset     |                               |                        | 30 Degree Offset     |                               |                        | Jib<br>Oper.<br>Rad.<br>Feet |
|------------------------------|----------------------|-------------------------------|------------------------|----------------------|-------------------------------|------------------------|----------------------|-------------------------------|------------------------|----------------------|-------------------------------|------------------------|------------------------------|
|                              | Boom<br>Ang.<br>Deg. | Jib<br>Point<br>Elev.<br>Feet | Jib Capacity<br>Pounds | Boom<br>Ang.<br>Deg. | Jib<br>Point<br>Elev.<br>Feet | Jib Capacity<br>Pounds | Boom<br>Ang.<br>Deg. | Jib<br>Point<br>Elev.<br>Feet | Jib Capacity<br>Pounds | Boom<br>Ang.<br>Deg. | Jib<br>Point<br>Elev.<br>Feet | Jib Capacity<br>Pounds |                              |
| 70 Ft. BOOM                  |                      |                               |                        |                      |                               |                        |                      |                               |                        |                      |                               |                        |                              |
| 25                           | 80.2                 | 114.2                         | 20,000 *               |                      |                               |                        |                      |                               |                        |                      |                               |                        | 25                           |
| 30                           | 77.6                 | 113.1                         | 20,000 *               | 80.5                 | 112.6                         | 20,000 *               |                      |                               |                        |                      |                               |                        | 30                           |
| 35                           | 74.9                 | 111.8                         | 20,000 *               | 77.8                 | 111.3                         | 20,000 *               | 80.7                 | 110.1                         | 20,000 *               |                      |                               |                        | 35                           |
| 40                           | 72.2                 | 110.2                         | 20,000 *               | 75.0                 | 109.7                         | 20,000 *               | 78.0                 | 108.5                         | 19,900 *               | 80.9                 | 106.5                         | 14,800 *               | 40                           |
| 45                           | 69.4                 | 108.3                         | 20,000 *               | 72.3                 | 107.8                         | 20,000 *               | 75.1                 | 106.6                         | 18,200 *               | 78.0                 | 104.6                         | 13,800 *               | 45                           |
| 50                           | 66.6                 | 106.2                         | 20,000 *               | 69.4                 | 105.6                         | 20,000 *               | 72.3                 | 104.4                         | 16,900 *               | 75.1                 | 102.4                         | 13,000 *               | 50                           |
| 55                           | 63.7                 | 103.8                         | 20,000 *               | 66.5                 | 103.2                         | 18,800 *               | 69.4                 | 101.9                         | 15,700 *               | 72.1                 | 99.9                          | 12,300 *               | 55                           |
| 60                           | 60.8                 | 101.0                         | 20,000 *               | 63.6                 | 100.4                         | 17,300 *               | 66.3                 | 99.1                          | 14,600 *               | 69.0                 | 97.0                          | 11,600 *               | 60                           |
| 65                           | 57.7                 | 97.9                          | 19,100 *               | 60.5                 | 97.3                          | 16,000 *               | 63.2                 | 95.9                          | 13,800 *               | 65.9                 | 93.7                          | 11,100 *               | 65                           |
| 70                           | 54.6                 | 94.4                          | 17,400 *               | 57.3                 | 93.7                          | 14,800 *               | 60.0                 | 92.3                          | 13,000 *               | 62.5                 | 90.0                          | 10,600 *               | 70                           |
| 75                           | 51.3                 | 90.4                          | 16,000 *               | 54.0                 | 89.8                          | 13,900 *               | 56.6                 | 88.3                          | 12,300 *               |                      |                               |                        | 75                           |
| 80                           | 47.8                 | 86.0                          | 14,800 *               | 50.5                 | 85.3                          | 13,000 *               | 53.1                 | 83.7                          | 11,700 *               |                      |                               |                        | 80                           |
| 90                           | 40.2                 | 75.2                          | 12,800 *               | 42.8                 | 74.4                          | 11,700 *               |                      |                               |                        |                      |                               |                        | 90                           |
| 80 Ft. BOOM                  |                      |                               |                        |                      |                               |                        |                      |                               |                        |                      |                               |                        |                              |
| 25                           | 81.0                 | 124.4                         | 20,000 *               |                      |                               |                        |                      |                               |                        |                      |                               |                        | 25                           |
| 30                           | 78.6                 | 123.4                         | 20,000 *               |                      |                               |                        |                      |                               |                        |                      |                               |                        | 30                           |
| 35                           | 76.2                 | 122.2                         | 20,000 *               | 78.8                 | 121.6                         | 20,000 *               |                      |                               |                        |                      |                               |                        | 35                           |
| 40                           | 73.7                 | 120.7                         | 20,000 *               | 76.3                 | 120.2                         | 20,000 *               | 79.0                 | 118.9                         | 20,000 *               |                      |                               |                        | 40                           |
| 45                           | 71.2                 | 119.0                         | 20,000 *               | 73.8                 | 118.5                         | 20,000 *               | 76.5                 | 117.2                         | 19,000 *               | 79.1                 | 115.2                         | 14,200 *               | 45                           |
| 50                           | 68.7                 | 117.1                         | 20,000 *               | 71.3                 | 116.5                         | 20,000 *               | 73.9                 | 115.3                         | 17,600 *               | 76.5                 | 113.2                         | 13,400 *               | 50                           |
| 55                           | 66.1                 | 114.9                         | 20,000 *               | 68.7                 | 114.3                         | 20,000 *               | 71.2                 | 113.0                         | 16,400 *               | 73.8                 | 110.9                         | 12,600 *               | 55                           |
| 60                           | 63.4                 | 112.4                         | 20,000 *               | 66.0                 | 111.8                         | 18,500 *               | 68.6                 | 110.5                         | 15,400 *               | 71.1                 | 108.3                         | 12,000 *               | 60                           |
| 65                           | 60.7                 | 109.7                         | 20,000 *               | 63.3                 | 109.0                         | 17,100 *               | 65.8                 | 107.7                         | 14,500 *               | 68.2                 | 105.5                         | 11,400 *               | 65                           |
| 70                           | 57.9                 | 106.6                         | 19,300 *               | 60.5                 | 105.9                         | 15,900 *               | 62.9                 | 104.5                         | 13,700 *               | 65.3                 | 102.2                         | 11,000 *               | 70                           |
| 75                           | 55.0                 | 103.1                         | 17,700 *               | 57.6                 | 102.4                         | 14,900 *               | 60.0                 | 101.0                         | 13,000 *               | 62.3                 | 98.6                          | 10,500 *               | 75                           |
| 80                           | 52.0                 | 99.3                          | 16,300 *               | 54.5                 | 98.6                          | 14,000 *               | 56.9                 | 97.1                          | 12,400 *               |                      |                               |                        | 80                           |
| 90                           | 45.6                 | 90.2                          | 14,200 *               | 48.1                 | 89.4                          | 12,500 *               | 50.4                 | 87.7                          | 11,300 *               |                      |                               |                        | 90                           |
| 100                          | 38.4                 | 78.6                          | 12,500 *               | 40.8                 | 77.8                          | 11,400 *               |                      |                               |                        |                      |                               |                        | 100                          |
| 90 Ft. BOOM                  |                      |                               |                        |                      |                               |                        |                      |                               |                        |                      |                               |                        |                              |
| 30                           | 79.5                 | 133.6                         | 20,000 *               |                      |                               |                        |                      |                               |                        |                      |                               |                        | 30                           |
| 35                           | 77.3                 | 132.5                         | 20,000 *               | 79.7                 | 131.9                         | 20,000 *               |                      |                               |                        |                      |                               |                        | 35                           |
| 40                           | 75.0                 | 131.2                         | 20,000 *               | 77.4                 | 130.6                         | 20,000 *               | 79.9                 | 129.3                         | 20,000 *               |                      |                               |                        | 40                           |
| 45                           | 72.7                 | 129.6                         | 20,000 *               | 75.1                 | 129.0                         | 20,000 *               | 77.6                 | 127.8                         | 19,700 *               | 80.0                 | 125.7                         | 14,500 *               | 45                           |
| 50                           | 70.4                 | 127.8                         | 20,000 *               | 72.8                 | 127.3                         | 20,000 *               | 75.2                 | 126.0                         | 18,300 *               | 77.6                 | 123.9                         | 13,700 *               | 50                           |
| 55                           | 68.0                 | 125.8                         | 20,000 *               | 70.4                 | 125.2                         | 20,000 *               | 72.8                 | 123.9                         | 17,100 *               | 75.2                 | 121.8                         | 13,000 *               | 55                           |
| 60                           | 65.6                 | 123.6                         | 20,000 *               | 68.0                 | 123.0                         | 19,700 *               | 70.4                 | 121.7                         | 16,000 *               | 72.7                 | 119.5                         | 12,400 *               | 60                           |
| 65                           | 63.2                 | 121.1                         | 20,000 *               | 65.5                 | 120.5                         | 18,300 *               | 67.9                 | 119.1                         | 15,100 *               | 70.2                 | 116.9                         | 11,800 *               | 65                           |
| 70                           | 60.7                 | 118.3                         | 19,900                 | 63.0                 | 117.7                         | 17,000 *               | 65.3                 | 116.3                         | 14,300 *               | 67.6                 | 114.0                         | 11,300 *               | 70                           |
| 75                           | 58.1                 | 115.2                         | 18,200                 | 60.4                 | 114.6                         | 15,900 *               | 62.7                 | 113.1                         | 13,600 *               | 64.9                 | 110.8                         | 10,900 *               | 75                           |
| 80                           | 55.4                 | 111.8                         | 16,700                 | 57.8                 | 111.1                         | 15,000 *               | 60.0                 | 109.7                         | 13,000 *               | 62.1                 | 107.2                         | 10,500 *               | 80                           |
| 90                           | 49.8                 | 103.9                         | 14,200                 | 52.1                 | 103.2                         | 13,400 *               | 54.3                 | 101.6                         | 11,900 *               |                      |                               |                        | 90                           |
| 100                          | 43.7                 | 94.2                          | 12,300                 | 46.0                 | 93.4                          | 12,200 *               |                      |                               |                        |                      |                               |                        | 100                          |
| 110                          | 36.8                 | 81.9                          | 10,800                 |                      |                               |                        |                      |                               |                        |                      |                               |                        | 110                          |

# Liftcrane Jib Capacities

New York City Code  
Jib No. 10 With 12 Ft. 6 in. Strut On  
Boom No. 222 With Open Throat Top  
63,300 Lb. Crane Counterweight  
14,000 Lb. Crawler Frame Counterweight  
22 Ft. 4 in. Crawlers Extended  
360 Degree Rating

Meets  
ANSI B30.5  
Requirements

## 222 SERIES B 222EX SERIES B

### 40 Ft. JIB

| Jib<br>Oper.<br>Rad.<br>Feet | 0 Degree Offset      |                               |                        | 10 Degree Offset     |                               |                        | 20 Degree Offset     |                               |                        | 30 Degree Offset     |                               |                        | Jib<br>Oper.<br>Rad.<br>Feet |
|------------------------------|----------------------|-------------------------------|------------------------|----------------------|-------------------------------|------------------------|----------------------|-------------------------------|------------------------|----------------------|-------------------------------|------------------------|------------------------------|
|                              | Boom<br>Ang.<br>Deg. | Jib<br>Point<br>Elev.<br>Feet | Jib Capacity<br>Pounds | Boom<br>Ang.<br>Deg. | Jib<br>Point<br>Elev.<br>Feet | Jib Capacity<br>Pounds | Boom<br>Ang.<br>Deg. | Jib<br>Point<br>Elev.<br>Feet | Jib Capacity<br>Pounds | Boom<br>Ang.<br>Deg. | Jib<br>Point<br>Elev.<br>Feet | Jib Capacity<br>Pounds |                              |
| 100 Ft. BOOM                 |                      |                               |                        |                      |                               |                        |                      |                               |                        |                      |                               |                        |                              |
| 30                           | 80.3                 | 143.8                         | 20,000 *               |                      |                               |                        |                      |                               |                        |                      |                               |                        | 30                           |
| 35                           | 78.2                 | 142.8                         | 20,000 *               | 80.4                 | 142.2                         | 20,000 *               |                      |                               |                        |                      |                               |                        | 35                           |
| 40                           | 76.1                 | 141.5                         | 20,000 *               | 78.3                 | 140.9                         | 20,000 *               | 80.6                 | 139.7                         | 20,000 *               |                      |                               |                        | 40                           |
| 45                           | 74.0                 | 140.1                         | 20,000 *               | 76.2                 | 139.5                         | 20,000 *               | 78.5                 | 138.2                         | 20,000 *               | 80.8                 | 136.1                         | 14,700 *               | 45                           |
| 50                           | 71.8                 | 138.5                         | 20,000 *               | 74.1                 | 137.9                         | 20,000 *               | 76.3                 | 136.6                         | 18,900 *               | 78.6                 | 134.4                         | 14,000 *               | 50                           |
| 55                           | 69.7                 | 136.6                         | 20,000 *               | 71.9                 | 136.0                         | 20,000 *               | 74.1                 | 134.7                         | 17,700 *               | 76.3                 | 132.5                         | 13,300 *               | 55                           |
| 60                           | 67.5                 | 134.6                         | 20,000 *               | 69.7                 | 134.0                         | 20,000 *               | 71.9                 | 132.6                         | 16,700 *               | 74.1                 | 130.4                         | 12,700 *               | 60                           |
| 65                           | 65.2                 | 132.3                         | 20,000 *               | 67.4                 | 131.7                         | 19,400 *               | 69.6                 | 130.3                         | 15,700 *               | 71.8                 | 128.0                         | 12,100 *               | 65                           |
| 70                           | 62.9                 | 129.8                         | 19,700                 | 65.1                 | 129.1                         | 18,100 *               | 67.3                 | 127.7                         | 14,900 *               | 69.4                 | 125.4                         | 11,600 *               | 70                           |
| 75                           | 60.6                 | 127.0                         | 18,000                 | 62.8                 | 126.3                         | 16,900 *               | 64.9                 | 124.9                         | 14,200 *               | 67.0                 | 122.5                         | 11,200 *               | 75                           |
| 80                           | 58.2                 | 123.9                         | 16,500                 | 60.4                 | 123.2                         | 15,900 *               | 62.5                 | 121.8                         | 13,500 *               | 64.5                 | 119.3                         | 10,800 *               | 80                           |
| 90                           | 53.2                 | 116.9                         | 14,000                 | 55.4                 | 116.1                         | 14,200                 | 57.4                 | 114.6                         | 12,400 *               |                      |                               |                        | 90                           |
| 100                          | 47.9                 | 108.4                         | 12,100                 | 50.0                 | 107.6                         | 12,300                 | 52.0                 | 105.9                         | 11,500 *               |                      |                               |                        | 100                          |
| 110                          | 42.0                 | 98.0                          | 10,600                 | 44.1                 | 97.1                          | 10,700                 |                      |                               |                        |                      |                               |                        | 110                          |
| 120                          | 35.4                 | 85.1                          | 9,300                  |                      |                               |                        |                      |                               |                        |                      |                               |                        | 120                          |
| 110 Ft. BOOM                 |                      |                               |                        |                      |                               |                        |                      |                               |                        |                      |                               |                        |                              |
| 30                           | 80.9                 | 154.0                         | 20,000 *               |                      |                               |                        |                      |                               |                        |                      |                               |                        | 30                           |
| 35                           | 79.0                 | 153.0                         | 20,000 *               |                      |                               |                        |                      |                               |                        |                      |                               |                        | 35                           |
| 40                           | 77.0                 | 151.9                         | 20,000 *               | 79.1                 | 151.3                         | 20,000 *               |                      |                               |                        |                      |                               |                        | 40                           |
| 45                           | 75.1                 | 150.5                         | 20,000 *               | 77.2                 | 149.9                         | 20,000 *               | 79.3                 | 148.6                         | 20,000 *               |                      |                               |                        | 45                           |
| 50                           | 73.1                 | 149.0                         | 20,000 *               | 75.2                 | 148.4                         | 20,000 *               | 77.3                 | 147.1                         | 19,500 *               | 79.4                 | 144.9                         | 14,200 *               | 50                           |
| 55                           | 71.1                 | 147.3                         | 20,000 *               | 73.2                 | 146.7                         | 20,000 *               | 75.3                 | 145.3                         | 18,300 *               | 77.3                 | 143.1                         | 13,500 *               | 55                           |
| 60                           | 69.0                 | 145.4                         | 20,000 *               | 71.1                 | 144.8                         | 20,000 *               | 73.2                 | 143.4                         | 17,200 *               | 75.2                 | 141.2                         | 12,900 *               | 60                           |
| 65                           | 67.0                 | 143.3                         | 20,000 *               | 69.0                 | 142.7                         | 20,000 *               | 71.1                 | 141.3                         | 16,300 *               | 73.1                 | 139.0                         | 12,400 *               | 65                           |
| 70                           | 64.9                 | 141.0                         | 19,500                 | 66.9                 | 140.3                         | 19,100 *               | 69.0                 | 138.9                         | 15,500 *               | 70.9                 | 136.6                         | 11,900 *               | 70                           |
| 75                           | 62.7                 | 138.4                         | 17,700                 | 64.8                 | 137.8                         | 17,900 *               | 66.8                 | 136.3                         | 14,700 *               | 68.7                 | 133.9                         | 11,500 *               | 75                           |
| 80                           | 60.6                 | 135.6                         | 16,200                 | 62.6                 | 135.0                         | 16,500                 | 64.6                 | 133.5                         | 14,100 *               | 66.5                 | 131.1                         | 11,100 *               | 80                           |
| 90                           | 56.1                 | 129.2                         | 13,800                 | 58.1                 | 128.5                         | 14,000                 | 60.0                 | 127.0                         | 12,900 *               | 61.8                 | 124.4                         | 10,400 *               | 90                           |
| 100                          | 51.3                 | 121.7                         | 11,900                 | 53.3                 | 120.9                         | 12,000                 | 55.1                 | 119.2                         | 12,000 *               |                      |                               |                        | 100                          |
| 110                          | 46.2                 | 112.6                         | 10,300                 | 48.1                 | 111.8                         | 10,500                 |                      |                               |                        |                      |                               |                        | 110                          |
| 120                          | 40.5                 | 101.7                         | 9,100                  | 42.4                 | 100.8                         | 9,200                  |                      |                               |                        |                      |                               |                        | 120                          |
| 130                          | 34.1                 | 88.1                          | 7,800 *                |                      |                               |                        |                      |                               |                        |                      |                               |                        | 130                          |



# Liftcrane Jib Capacities

New York City Code

Jib No. 10 With 12 Ft. 6 in. Strut On

Boom No. 222 With Open Throat Top

63,300 Lb. Crane Counterweight

14,000 Lb. Crawler Frame Counterweight

22 Ft. 4 in. Crawlers Extended

360 Degree Rating

 Meets  
ANSI B30.5  
Requirements

## 222 SERIES B

## 222EX SERIES B

### 40 Ft. JIB

| Jib<br>Oper.<br>Rad.<br>Feet | 0 Degree Offset      |                               |                        | 10 Degree Offset     |                               |                        | 20 Degree Offset     |                               |                        | 30 Degree Offset     |                               |                        | Jib<br>Oper.<br>Rad.<br>Feet |
|------------------------------|----------------------|-------------------------------|------------------------|----------------------|-------------------------------|------------------------|----------------------|-------------------------------|------------------------|----------------------|-------------------------------|------------------------|------------------------------|
|                              | Boom<br>Ang.<br>Deg. | Jib<br>Point<br>Elev.<br>Feet | Jib Capacity<br>Pounds | Boom<br>Ang.<br>Deg. | Jib<br>Point<br>Elev.<br>Feet | Jib Capacity<br>Pounds | Boom<br>Ang.<br>Deg. | Jib<br>Point<br>Elev.<br>Feet | Jib Capacity<br>Pounds | Boom<br>Ang.<br>Deg. | Jib<br>Point<br>Elev.<br>Feet | Jib Capacity<br>Pounds |                              |
| 120 Ft. BOOM                 |                      |                               |                        |                      |                               |                        |                      |                               |                        |                      |                               |                        |                              |
| 35                           | 79.7                 | 163.2                         | 20,000 *               |                      |                               |                        |                      |                               |                        |                      |                               |                        | 35                           |
| 40                           | 77.8                 | 162.1                         | 20,000 *               | 79.8                 | 161.5                         | 20,000 *               |                      |                               |                        |                      |                               |                        | 40                           |
| 45                           | 76.0                 | 160.9                         | 20,000 *               | 78.0                 | 160.3                         | 20,000 *               | 80.0                 | 158.9                         | 20,000 *               |                      |                               |                        | 45                           |
| 50                           | 74.2                 | 159.5                         | 20,000 *               | 76.1                 | 158.9                         | 20,000 *               | 78.1                 | 157.5                         | 20,000 *               | 80.1                 | 155.3                         | 14,400 *               | 50                           |
| 55                           | 72.3                 | 157.9                         | 20,000 *               | 74.3                 | 157.3                         | 20,000 *               | 76.2                 | 155.9                         | 18,800 *               | 78.2                 | 153.7                         | 13,800 *               | 55                           |
| 60                           | 70.4                 | 156.1                         | 20,000 *               | 72.4                 | 155.5                         | 20,000 *               | 74.3                 | 154.1                         | 17,800 *               | 76.2                 | 151.8                         | 13,200 *               | 60                           |
| 65                           | 68.5                 | 154.2                         | 20,000 *               | 70.4                 | 153.5                         | 20,000 *               | 72.4                 | 152.1                         | 16,800 *               | 74.3                 | 149.8                         | 12,700 *               | 65                           |
| 70                           | 66.5                 | 152.0                         | 19,200                 | 68.5                 | 151.4                         | 19,600                 | 70.4                 | 149.9                         | 16,000 *               | 72.3                 | 147.6                         | 12,200 *               | 70                           |
| 75                           | 64.6                 | 149.7                         | 17,500                 | 66.5                 | 149.0                         | 17,800                 | 68.4                 | 147.6                         | 15,300 *               | 70.2                 | 145.2                         | 11,700 *               | 75                           |
| 80                           | 62.6                 | 147.1                         | 16,000                 | 64.5                 | 146.4                         | 16,300                 | 66.4                 | 144.9                         | 14,600 *               | 68.2                 | 142.5                         | 11,300 *               | 80                           |
| 90                           | 58.4                 | 141.2                         | 13,500                 | 60.3                 | 140.5                         | 13,800                 | 62.2                 | 139.0                         | 13,400 *               | 63.9                 | 136.5                         | 10,700 *               | 90                           |
| 100                          | 54.1                 | 134.4                         | 11,600                 | 56.0                 | 133.6                         | 11,800                 | 57.8                 | 132.0                         | 12,000                 |                      |                               |                        | 100                          |
| 110                          | 49.5                 | 126.3                         | 10,000                 | 51.4                 | 125.5                         | 10,200                 | 53.1                 | 123.7                         | 10,400                 |                      |                               |                        | 110                          |
| 120                          | 44.6                 | 116.7                         | 8,800                  | 46.4                 | 115.8                         | 8,900                  |                      |                               |                        |                      |                               |                        | 120                          |
| 130                          | 39.2                 | 105.2                         | 7,700 *                | 40.9                 | 104.3                         | 7,800                  |                      |                               |                        |                      |                               |                        | 130                          |
| 140                          | 33.0                 | 91.1                          | 6,400 *                |                      |                               |                        |                      |                               |                        |                      |                               |                        | 140                          |
| 130 Ft. BOOM                 |                      |                               |                        |                      |                               |                        |                      |                               |                        |                      |                               |                        |                              |
| 35                           | 80.3                 | 173.4                         | 20,000 *               |                      |                               |                        |                      |                               |                        |                      |                               |                        | 35                           |
| 40                           | 78.6                 | 172.4                         | 20,000 *               | 80.4                 | 171.8                         | 20,000 *               |                      |                               |                        |                      |                               |                        | 40                           |
| 45                           | 76.8                 | 171.2                         | 20,000 *               | 78.7                 | 170.6                         | 20,000 *               | 80.6                 | 169.2                         | 20,000 *               |                      |                               |                        | 45                           |
| 50                           | 75.1                 | 169.9                         | 20,000 *               | 77.0                 | 169.3                         | 20,000 *               | 78.8                 | 167.9                         | 20,000 *               | 80.7                 | 165.6                         | 14,600 *               | 50                           |
| 55                           | 73.4                 | 168.4                         | 20,000 *               | 75.2                 | 167.8                         | 20,000 *               | 77.1                 | 166.4                         | 19,300 *               | 78.9                 | 164.1                         | 14,000 *               | 55                           |
| 60                           | 71.6                 | 166.8                         | 20,000 *               | 73.4                 | 166.1                         | 20,000 *               | 75.3                 | 164.7                         | 18,300 *               | 77.1                 | 162.4                         | 13,400 *               | 60                           |
| 65                           | 69.8                 | 164.9                         | 20,000 *               | 71.6                 | 164.3                         | 20,000 *               | 73.5                 | 162.9                         | 17,300 *               | 75.3                 | 160.5                         | 12,900 *               | 65                           |
| 70                           | 68.0                 | 162.9                         | 19,000                 | 69.8                 | 162.3                         | 19,300 *               | 71.6                 | 160.8                         | 16,500 *               | 73.4                 | 158.5                         | 12,400 *               | 70                           |
| 75                           | 66.2                 | 160.7                         | 17,200                 | 68.0                 | 160.1                         | 17,600                 | 69.8                 | 158.6                         | 15,800 *               | 71.5                 | 156.2                         | 12,000 *               | 75                           |
| 80                           | 64.3                 | 158.3                         | 15,700                 | 66.1                 | 157.7                         | 16,000                 | 67.9                 | 156.2                         | 15,100 *               | 69.6                 | 153.8                         | 11,600 *               | 80                           |
| 90                           | 60.5                 | 153.0                         | 13,300                 | 62.3                 | 152.2                         | 13,500                 | 64.0                 | 150.7                         | 13,800                 | 65.7                 | 148.2                         | 10,900 *               | 90                           |
| 100                          | 56.5                 | 146.6                         | 11,300                 | 58.3                 | 145.9                         | 11,600                 | 60.0                 | 144.3                         | 11,800                 | 61.6                 | 141.7                         | 10,300 *               | 100                          |
| 110                          | 52.4                 | 139.3                         | 9,800                  | 54.1                 | 138.5                         | 10,000                 | 55.8                 | 136.8                         | 10,200                 |                      |                               |                        | 110                          |
| 120                          | 47.9                 | 130.7                         | 8,500                  | 49.7                 | 129.9                         | 8,700                  | 51.3                 | 128.1                         | 8,800 *                |                      |                               |                        | 120                          |
| 130                          | 43.2                 | 120.6                         | 7,400 *                | 44.9                 | 119.7                         | 7,600                  |                      |                               |                        |                      |                               |                        | 130                          |
| 140                          | 37.9                 | 108.6                         | 6,300 *                |                      |                               |                        |                      |                               |                        |                      |                               |                        | 140                          |
| 150                          | 32.0                 | 93.9                          | 5,200 *                |                      |                               |                        |                      |                               |                        |                      |                               |                        | 150                          |



# Liftcrane Jib Capacities

New York City Code  
Jib No. 10 With 12 Ft. 6 in. Strut On  
Boom No. 222 With Open Throat Top  
63,300 Lb. Crane Counterweight  
14,000 Lb. Crawler Frame Counterweight  
22 Ft. 4 in. Crawlers Extended  
360 Degree Rating

Meets  
ANSI B30.5  
Requirements

## 222 SERIES B 222EX SERIES B

### 40 Ft. JIB

| Jib<br>Oper.<br>Rad.<br>Feet | 0 Degree Offset      |                               |                        | 10 Degree Offset     |                               |                        | 20 Degree Offset     |                               |                        | 30 Degree Offset     |                               |                        | Jib<br>Oper.<br>Rad.<br>Feet |
|------------------------------|----------------------|-------------------------------|------------------------|----------------------|-------------------------------|------------------------|----------------------|-------------------------------|------------------------|----------------------|-------------------------------|------------------------|------------------------------|
|                              | Boom<br>Ang.<br>Deg. | Jib<br>Point<br>Elev.<br>Feet | Jib Capacity<br>Pounds | Boom<br>Ang.<br>Deg. | Jib<br>Point<br>Elev.<br>Feet | Jib Capacity<br>Pounds | Boom<br>Ang.<br>Deg. | Jib<br>Point<br>Elev.<br>Feet | Jib Capacity<br>Pounds | Boom<br>Ang.<br>Deg. | Jib<br>Point<br>Elev.<br>Feet | Jib Capacity<br>Pounds |                              |
| 140 Ft. BOOM                 |                      |                               |                        |                      |                               |                        |                      |                               |                        |                      |                               |                        |                              |
| 35                           | 80.8                 | 183.5                         | 20,000 *               |                      |                               |                        |                      |                               |                        |                      |                               |                        | 35                           |
| 40                           | 79.2                 | 182.6                         | 20,000 *               | 81.0                 | 182.0                         | 20,000 *               |                      |                               |                        |                      |                               |                        | 40                           |
| 45                           | 77.6                 | 181.5                         | 20,000 *               | 79.4                 | 180.9                         | 20,000 *               |                      |                               |                        |                      |                               |                        | 45                           |
| 50                           | 76.0                 | 180.3                         | 20,000 *               | 77.7                 | 179.6                         | 20,000 *               | 79.5                 | 178.2                         | 20,000 *               |                      |                               |                        | 50                           |
| 55                           | 74.3                 | 178.9                         | 20,000 *               | 76.1                 | 178.2                         | 20,000 *               | 77.8                 | 176.8                         | 19,800 *               | 79.6                 | 174.5                         | 14,200 *               | 55                           |
| 60                           | 72.7                 | 177.3                         | 20,000 *               | 74.4                 | 176.7                         | 20,000 *               | 76.1                 | 175.3                         | 18,800 *               | 77.9                 | 172.9                         | 13,600 *               | 60                           |
| 65                           | 71.0                 | 175.6                         | 20,000 *               | 72.7                 | 174.9                         | 20,000 *               | 74.4                 | 173.5                         | 17,800 *               | 76.2                 | 171.2                         | 13,100 *               | 65                           |
| 70                           | 69.3                 | 173.7                         | 18,400 *               | 71.0                 | 173.1                         | 18,700 *               | 72.7                 | 171.6                         | 17,000 *               | 74.4                 | 169.2                         | 12,700 *               | 70                           |
| 75                           | 67.6                 | 171.7                         | 16,800 *               | 69.3                 | 171.0                         | 17,100 *               | 71.0                 | 169.5                         | 16,200 *               | 72.7                 | 167.1                         | 12,200 *               | 75                           |
| 80                           | 65.8                 | 169.4                         | 15,400 *               | 67.6                 | 168.8                         | 15,700 *               | 69.2                 | 167.3                         | 15,500 *               | 70.9                 | 164.8                         | 11,800 *               | 80                           |
| 90                           | 62.3                 | 164.4                         | 13,000                 | 64.0                 | 163.7                         | 13,300                 | 65.6                 | 162.2                         | 13,600                 | 67.2                 | 159.7                         | 11,100 *               | 90                           |
| 100                          | 58.6                 | 158.6                         | 11,100                 | 60.3                 | 157.9                         | 11,400                 | 61.9                 | 156.3                         | 11,600                 | 63.4                 | 153.7                         | 10,500 *               | 100                          |
| 110                          | 54.8                 | 151.8                         | 9,600                  | 56.5                 | 151.1                         | 9,800                  | 58.0                 | 149.4                         | 10,000                 |                      |                               |                        | 110                          |
| 120                          | 50.8                 | 144.0                         | 8,300                  | 52.4                 | 143.2                         | 8,500                  | 53.9                 | 141.5                         | 8,600                  |                      |                               |                        | 120                          |
| 130                          | 46.5                 | 135.0                         | 7,100 *                | 48.1                 | 134.1                         | 7,400 *                |                      |                               |                        |                      |                               |                        | 130                          |
| 140                          | 41.9                 | 124.5                         | 6,100 *                | 43.5                 | 123.5                         | 6,300 *                |                      |                               |                        |                      |                               |                        | 140                          |
| 150                          | 36.8                 | 111.9                         | 5,100 *                |                      |                               |                        |                      |                               |                        |                      |                               |                        | 150                          |
| 160                          | 31.0                 | 96.7                          | 4,100 *                |                      |                               |                        |                      |                               |                        |                      |                               |                        | 160                          |
| 150 Ft. BOOM                 |                      |                               |                        |                      |                               |                        |                      |                               |                        |                      |                               |                        |                              |
| 40                           | 79.8                 | 192.8                         | 20,000 *               |                      |                               |                        |                      |                               |                        |                      |                               |                        | 40                           |
| 45                           | 78.3                 | 191.8                         | 20,000 *               | 79.9                 | 191.1                         | 20,000 *               |                      |                               |                        |                      |                               |                        | 45                           |
| 50                           | 76.7                 | 190.6                         | 20,000 *               | 78.4                 | 189.9                         | 20,000 *               | 80.1                 | 188.5                         | 20,000 *               |                      |                               |                        | 50                           |
| 55                           | 75.2                 | 189.3                         | 20,000 *               | 76.8                 | 188.6                         | 20,000 *               | 78.5                 | 187.2                         | 20,000 *               | 80.2                 | 184.9                         | 14,400 *               | 55                           |
| 60                           | 73.6                 | 187.8                         | 20,000 *               | 75.2                 | 187.1                         | 20,000 *               | 76.9                 | 185.7                         | 19,200 *               | 78.6                 | 183.4                         | 13,800 *               | 60                           |
| 65                           | 72.0                 | 186.2                         | 19,500 *               | 73.7                 | 185.5                         | 19,800 *               | 75.3                 | 184.1                         | 18,300 *               | 76.9                 | 181.7                         | 13,300 *               | 65                           |
| 70                           | 70.4                 | 184.4                         | 17,700 *               | 72.1                 | 183.8                         | 18,000 *               | 73.7                 | 182.3                         | 17,400 *               | 75.3                 | 179.9                         | 12,900 *               | 70                           |
| 75                           | 68.8                 | 182.5                         | 16,200 *               | 70.4                 | 181.8                         | 16,500 *               | 72.1                 | 180.4                         | 16,700 *               | 73.6                 | 177.9                         | 12,400 *               | 75                           |
| 80                           | 67.2                 | 180.4                         | 14,800 *               | 68.8                 | 179.7                         | 15,100 *               | 70.4                 | 178.2                         | 15,400 *               | 72.0                 | 175.8                         | 12,100 *               | 80                           |
| 90                           | 63.9                 | 175.7                         | 12,500 *               | 65.5                 | 175.0                         | 12,800 *               | 67.1                 | 173.5                         | 13,100 *               | 68.6                 | 171.0                         | 11,400 *               | 90                           |
| 100                          | 60.4                 | 170.3                         | 10,700 *               | 62.0                 | 169.5                         | 11,000 *               | 63.6                 | 168.0                         | 11,300 *               | 65.0                 | 165.4                         | 10,800 *               | 100                          |
| 110                          | 56.9                 | 164.0                         | 9,200 *                | 58.5                 | 163.3                         | 9,500 *                | 60.0                 | 161.6                         | 9,700 *                | 61.4                 | 158.9                         | 9,900                  | 110                          |
| 120                          | 53.2                 | 156.9                         | 7,900 *                | 54.8                 | 156.1                         | 8,100 *                | 56.2                 | 154.3                         | 8,400 *                |                      |                               |                        | 120                          |
| 130                          | 49.3                 | 148.6                         | 6,800 *                | 50.9                 | 147.8                         | 7,000 *                | 52.3                 | 146.0                         | 7,200 *                |                      |                               |                        | 130                          |
| 140                          | 45.2                 | 139.2                         | 5,700 *                | 46.7                 | 138.3                         | 6,000 *                |                      |                               |                        |                      |                               |                        | 140                          |
| 150                          | 40.7                 | 128.2                         | 4,800 *                | 42.2                 | 127.2                         | 5,000 *                |                      |                               |                        |                      |                               |                        | 150                          |
| 160                          | 35.8                 | 115.2                         | 3,900 *                |                      |                               |                        |                      |                               |                        |                      |                               |                        | 160                          |



# Liftcrane Jib Capacities

New York City Code

Jib No. 10 With 12 Ft. 6 in. Strut On

Boom No. 222 With Open Throat Top

63,300 Lb. Crane Counterweight

14,000 Lb. Crawler Frame Counterweight

22 Ft. 4 in. Crawlers Extended

360 Degree Rating

 Meets  
ANSI B30.5  
Requirements

## 222 SERIES B

## 222EX SERIES B

### 40 Ft. JIB

| Jib<br>Oper.<br>Rad.<br>Feet | 0 Degree Offset      |                               |                        | 10 Degree Offset     |                               |                        | 20 Degree Offset     |                               |                        | 30 Degree Offset     |                               |                        | Jib<br>Oper.<br>Rad.<br>Feet |
|------------------------------|----------------------|-------------------------------|------------------------|----------------------|-------------------------------|------------------------|----------------------|-------------------------------|------------------------|----------------------|-------------------------------|------------------------|------------------------------|
|                              | Boom<br>Ang.<br>Deg. | Jib<br>Point<br>Elev.<br>Feet | Jib Capacity<br>Pounds | Boom<br>Ang.<br>Deg. | Jib<br>Point<br>Elev.<br>Feet | Jib Capacity<br>Pounds | Boom<br>Ang.<br>Deg. | Jib<br>Point<br>Elev.<br>Feet | Jib Capacity<br>Pounds | Boom<br>Ang.<br>Deg. | Jib<br>Point<br>Elev.<br>Feet | Jib Capacity<br>Pounds |                              |
| 160 Ft. BOOM                 |                      |                               |                        |                      |                               |                        |                      |                               |                        |                      |                               |                        |                              |
| 40                           | 80.3                 | 203.0                         | 20,000 *               |                      |                               |                        |                      |                               |                        |                      |                               |                        | 40                           |
| 45                           | 78.8                 | 202.0                         | 20,000 *               | 80.4                 | 201.3                         | 20,000 *               |                      |                               |                        |                      |                               |                        | 45                           |
| 50                           | 77.4                 | 200.9                         | 20,000 *               | 79.0                 | 200.2                         | 20,000 *               | 80.6                 | 198.8                         | 20,000 *               |                      |                               |                        | 50                           |
| 55                           | 75.9                 | 199.6                         | 20,000 *               | 77.5                 | 199.0                         | 20,000 *               | 79.1                 | 197.5                         | 20,000 *               | 80.7                 | 195.2                         | 14,600 *               | 55                           |
| 60                           | 74.4                 | 198.2                         | 20,000 *               | 76.0                 | 197.6                         | 20,000 *               | 77.6                 | 196.1                         | 19,600 *               | 79.2                 | 193.8                         | 14,000 *               | 60                           |
| 65                           | 72.9                 | 196.7                         | 18,700 *               | 74.5                 | 196.1                         | 19,000 *               | 76.1                 | 194.6                         | 18,700 *               | 77.6                 | 192.2                         | 13,500 *               | 65                           |
| 70                           | 71.4                 | 195.0                         | 16,900 *               | 73.0                 | 194.4                         | 17,300 *               | 74.6                 | 192.9                         | 17,700 *               | 76.1                 | 190.5                         | 13,100 *               | 70                           |
| 75                           | 69.9                 | 193.2                         | 15,400 *               | 71.5                 | 192.6                         | 15,700 *               | 73.0                 | 191.1                         | 16,100 *               | 74.5                 | 188.7                         | 12,600 *               | 75                           |
| 80                           | 68.4                 | 191.3                         | 14,100 *               | 69.9                 | 190.6                         | 14,400 *               | 71.5                 | 189.1                         | 14,800 *               | 73.0                 | 186.6                         | 12,300 *               | 80                           |
| 90                           | 65.3                 | 186.8                         | 11,900 *               | 66.8                 | 186.1                         | 12,200 *               | 68.3                 | 184.6                         | 12,500 *               | 69.8                 | 182.1                         | 11,600 *               | 90                           |
| 100                          | 62.1                 | 181.7                         | 10,100 *               | 63.6                 | 181.0                         | 10,400 *               | 65.1                 | 179.5                         | 10,700 *               | 66.5                 | 176.9                         | 11,000 *               | 100                          |
| 110                          | 58.8                 | 175.9                         | 8,600 *                | 60.3                 | 175.2                         | 8,900 *                | 61.7                 | 173.5                         | 9,100 *                | 63.1                 | 170.9                         | 9,500 *                | 110                          |
| 120                          | 55.3                 | 169.3                         | 7,300 *                | 56.8                 | 168.5                         | 7,600 *                | 58.2                 | 166.8                         | 7,900 *                |                      |                               |                        | 120                          |
| 130                          | 51.8                 | 161.7                         | 6,200 *                | 53.2                 | 160.9                         | 6,500 *                | 54.6                 | 159.1                         | 6,700 *                |                      |                               |                        | 130                          |
| 140                          | 48.0                 | 153.1                         | 5,300 *                | 49.4                 | 152.2                         | 5,500 *                | 50.8                 | 150.3                         | 5,700 *                |                      |                               |                        | 140                          |
| 150                          | 44.0                 | 143.2                         | 4,400 *                | 45.4                 | 142.3                         | 4,600 *                |                      |                               |                        |                      |                               |                        | 150                          |
| 160                          | 39.6                 | 131.7                         | 3,600 *                | 41.0                 | 130.7                         | 3,800 *                |                      |                               |                        |                      |                               |                        | 160                          |
| 170 Ft. BOOM                 |                      |                               |                        |                      |                               |                        |                      |                               |                        |                      |                               |                        |                              |
| 40                           | 80.8                 | 213.1                         | 20,000 *               |                      |                               |                        |                      |                               |                        |                      |                               |                        | 40                           |
| 45                           | 79.4                 | 212.2                         | 20,000 *               | 80.9                 | 211.5                         | 20,000 *               |                      |                               |                        |                      |                               |                        | 45                           |
| 50                           | 78.0                 | 211.1                         | 20,000 *               | 79.5                 | 210.5                         | 20,000 *               | 81.0                 | 209.0                         | 20,000 *               |                      |                               |                        | 50                           |
| 55                           | 76.6                 | 209.9                         | 20,000 *               | 78.1                 | 209.3                         | 20,000 *               | 79.6                 | 207.9                         | 20,000 *               |                      |                               |                        | 55                           |
| 60                           | 75.2                 | 208.6                         | 20,000 *               | 76.7                 | 208.0                         | 20,000 *               | 78.2                 | 206.5                         | 20,000 *               | 79.7                 | 204.2                         | 14,200 *               | 60                           |
| 65                           | 73.8                 | 207.2                         | 18,000 *               | 75.3                 | 206.5                         | 18,400 *               | 76.8                 | 205.1                         | 18,900 *               | 78.3                 | 202.7                         | 13,700 *               | 65                           |
| 70                           | 72.4                 | 205.6                         | 16,300 *               | 73.8                 | 204.9                         | 16,600 *               | 75.3                 | 203.5                         | 17,100 *               | 76.8                 | 201.1                         | 13,200 *               | 70                           |
| 75                           | 70.9                 | 203.9                         | 14,800 *               | 72.4                 | 203.2                         | 15,100 *               | 73.9                 | 201.7                         | 15,600 *               | 75.3                 | 199.3                         | 12,800 *               | 75                           |
| 80                           | 69.5                 | 202.0                         | 13,500 *               | 70.9                 | 201.3                         | 13,800 *               | 72.4                 | 199.8                         | 14,200 *               | 73.8                 | 197.4                         | 12,400 *               | 80                           |
| 90                           | 66.5                 | 197.8                         | 11,300 *               | 68.0                 | 197.2                         | 11,600 *               | 69.4                 | 195.6                         | 12,000 *               | 70.8                 | 193.1                         | 11,800 *               | 90                           |
| 100                          | 63.5                 | 193.1                         | 9,500 *                | 65.0                 | 192.3                         | 9,800 *                | 66.4                 | 190.8                         | 10,200 *               | 67.7                 | 188.2                         | 10,500 *               | 100                          |
| 110                          | 60.4                 | 187.6                         | 8,100 *                | 61.9                 | 186.8                         | 8,400 *                | 63.2                 | 185.2                         | 8,700 *                | 64.5                 | 182.6                         | 9,000 *                | 110                          |
| 120                          | 57.2                 | 181.4                         | 6,900 *                | 58.6                 | 180.6                         | 7,100 *                | 60.0                 | 178.9                         | 7,400 *                | 61.2                 | 176.2                         | 7,700 *                | 120                          |
| 130                          | 53.9                 | 174.4                         | 5,800 *                | 55.3                 | 173.6                         | 6,000 *                | 56.6                 | 171.8                         | 6,300 *                |                      |                               |                        | 130                          |
| 140                          | 50.4                 | 166.4                         | 4,900 *                | 51.8                 | 165.6                         | 5,100 *                | 53.1                 | 163.7                         | 5,300 *                |                      |                               |                        | 140                          |
| 150                          | 46.7                 | 157.4                         | 4,000 *                | 48.1                 | 156.5                         | 4,300 *                |                      |                               |                        |                      |                               |                        | 150                          |
| 160                          | 42.8                 | 147.1                         | 3,300 *                | 44.2                 | 146.2                         | 3,500 *                |                      |                               |                        |                      |                               |                        | 160                          |



# Liftcrane Jib Capacities

New York City Code  
Jib No. 10 With 12 Ft. 6 in. Strut On  
Boom No. 222 With Open Throat Top  
63,300 Lb. Crane Counterweight  
14,000 Lb. Crawler Frame Counterweight  
22 Ft. 4 in. Crawlers Extended  
360 Degree Rating

Meets  
ANSI B30.5  
Requirements

## 222 SERIES B 222EX SERIES B

### 40 Ft. JIB

| Jib<br>Oper.<br>Rad.<br>Feet | 0 Degree Offset      |                               |                        | 10 Degree Offset     |                               |                        | 20 Degree Offset     |                               |                        | 30 Degree Offset     |                               |                        | Jib<br>Oper.<br>Rad.<br>Feet |
|------------------------------|----------------------|-------------------------------|------------------------|----------------------|-------------------------------|------------------------|----------------------|-------------------------------|------------------------|----------------------|-------------------------------|------------------------|------------------------------|
|                              | Boom<br>Ang.<br>Deg. | Jib<br>Point<br>Elev.<br>Feet | Jib Capacity<br>Pounds | Boom<br>Ang.<br>Deg. | Jib<br>Point<br>Elev.<br>Feet | Jib Capacity<br>Pounds | Boom<br>Ang.<br>Deg. | Jib<br>Point<br>Elev.<br>Feet | Jib Capacity<br>Pounds | Boom<br>Ang.<br>Deg. | Jib<br>Point<br>Elev.<br>Feet | Jib Capacity<br>Pounds |                              |
| 180 Ft. BOOM                 |                      |                               |                        |                      |                               |                        |                      |                               |                        |                      |                               |                        |                              |
| 45                           | 79.9                 | 222.4                         | 20,000 *               |                      |                               |                        |                      |                               |                        |                      |                               |                        | 45                           |
| 50                           | 78.5                 | 221.4                         | 20,000 *               | 80.0                 | 220.7                         | 20,000 *               |                      |                               |                        |                      |                               |                        | 50                           |
| 55                           | 77.2                 | 220.2                         | 20,000 *               | 78.7                 | 219.6                         | 20,000 *               | 80.1                 | 218.1                         | 20,000 *               |                      |                               |                        | 55                           |
| 60                           | 75.9                 | 219.0                         | 19,400 *               | 77.3                 | 218.3                         | 19,800 *               | 78.8                 | 216.9                         | 20,000 *               | 80.2                 | 214.5                         | 14,300 *               | 60                           |
| 65                           | 74.5                 | 217.6                         | 17,300 *               | 76.0                 | 216.9                         | 17,800 *               | 77.4                 | 215.5                         | 18,300 *               | 78.8                 | 213.1                         | 13,900 *               | 65                           |
| 70                           | 73.2                 | 216.1                         | 15,600 *               | 74.6                 | 215.4                         | 16,000 *               | 76.0                 | 214.0                         | 16,500 *               | 77.4                 | 211.5                         | 13,400 *               | 70                           |
| 75                           | 71.8                 | 214.5                         | 14,100 *               | 73.2                 | 213.8                         | 14,500 *               | 74.6                 | 212.3                         | 15,000 *               | 76.0                 | 209.9                         | 13,000 *               | 75                           |
| 80                           | 70.4                 | 212.7                         | 12,900 *               | 71.9                 | 212.0                         | 13,200 *               | 73.3                 | 210.5                         | 13,700 *               | 74.6                 | 208.1                         | 12,600 *               | 80                           |
| 90                           | 67.6                 | 208.8                         | 10,700 *               | 69.1                 | 208.1                         | 11,100 *               | 70.4                 | 206.5                         | 11,400 *               | 71.8                 | 204.0                         | 11,900 *               | 90                           |
| 100                          | 64.8                 | 204.2                         | 9,000 *                | 66.2                 | 203.5                         | 9,300 *                | 67.6                 | 201.9                         | 9,600 *                | 68.9                 | 199.4                         | 10,000 *               | 100                          |
| 110                          | 61.9                 | 199.1                         | 7,600 *                | 63.3                 | 198.3                         | 7,900 *                | 64.6                 | 196.7                         | 8,200 *                | 65.9                 | 194.1                         | 8,500 *                | 110                          |
| 120                          | 58.9                 | 193.2                         | 6,400 *                | 60.2                 | 192.5                         | 6,600 *                | 61.6                 | 190.8                         | 6,900 *                | 62.8                 | 188.1                         | 7,200 *                | 120                          |
| 130                          | 55.8                 | 186.7                         | 5,300 *                | 57.1                 | 185.9                         | 5,600 *                | 58.4                 | 184.2                         | 5,900 *                |                      |                               |                        | 130                          |
| 140                          | 52.5                 | 179.3                         | 4,400 *                | 53.9                 | 178.5                         | 4,700 *                | 55.1                 | 176.7                         | 4,900 *                |                      |                               |                        | 140                          |
| 150                          | 49.2                 | 171.0                         | 3,600 *                | 50.5                 | 170.1                         | 3,900 *                | 51.7                 | 168.2                         | 4,100 *                |                      |                               |                        | 150                          |
| 160                          |                      |                               |                        | 46.9                 | 160.7                         | 3,100 *                |                      |                               |                        |                      |                               |                        | 160                          |
| 190 Ft. BOOM                 |                      |                               |                        |                      |                               |                        |                      |                               |                        |                      |                               |                        |                              |
| 45                           | 80.3                 | 232.5                         | 17,000 *               |                      |                               |                        |                      |                               |                        |                      |                               |                        | 45                           |
| 50                           | 79.1                 | 231.6                         | 17,000 *               | 80.4                 | 230.9                         | 20,000 *               |                      |                               |                        |                      |                               |                        | 50                           |
| 55                           | 77.8                 | 230.5                         | 17,000 *               | 79.2                 | 229.8                         | 20,000 *               | 80.5                 | 228.4                         | 20,000 *               |                      |                               |                        | 55                           |
| 60                           | 76.5                 | 229.3                         | 17,000 *               | 77.9                 | 228.6                         | 19,200 *               | 79.3                 | 227.2                         | 19,900 *               | 80.6                 | 224.8                         | 14,500 *               | 60                           |
| 65                           | 75.2                 | 228.0                         | 16,700 *               | 76.6                 | 227.3                         | 17,200 *               | 78.0                 | 225.9                         | 17,800 *               | 79.3                 | 223.4                         | 14,000 *               | 65                           |
| 70                           | 73.9                 | 226.6                         | 15,000 *               | 75.3                 | 225.9                         | 15,500 *               | 76.7                 | 224.4                         | 16,000 *               | 78.0                 | 222.0                         | 13,600 *               | 70                           |
| 75                           | 72.6                 | 225.0                         | 13,500 *               | 74.0                 | 224.3                         | 14,000 *               | 75.3                 | 222.8                         | 14,500 *               | 76.7                 | 220.4                         | 13,200 *               | 75                           |
| 80                           | 71.3                 | 223.3                         | 12,300 *               | 72.7                 | 222.6                         | 12,700 *               | 74.0                 | 221.1                         | 13,100 *               | 75.3                 | 218.7                         | 12,800 *               | 80                           |
| 90                           | 68.7                 | 219.6                         | 10,100 *               | 70.0                 | 218.9                         | 10,500 *               | 71.3                 | 217.3                         | 10,900 *               | 72.6                 | 214.8                         | 11,400 *               | 90                           |
| 100                          | 66.0                 | 215.3                         | 8,500 *                | 67.3                 | 214.6                         | 8,800 *                | 68.6                 | 213.0                         | 9,100 *                | 69.9                 | 210.4                         | 9,500 *                | 100                          |
| 110                          | 63.2                 | 210.4                         | 7,100 *                | 64.5                 | 209.7                         | 7,400 *                | 65.8                 | 208.1                         | 7,700 *                | 67.0                 | 205.4                         | 8,000 *                | 110                          |
| 120                          | 60.4                 | 204.9                         | 5,900 *                | 61.7                 | 204.2                         | 6,200 *                | 63.0                 | 202.5                         | 6,500 *                | 64.1                 | 199.8                         | 6,800 *                | 120                          |
| 130                          | 57.5                 | 198.7                         | 4,900 *                | 58.8                 | 198.0                         | 5,100 *                | 60.0                 | 196.3                         | 5,400 *                | 61.1                 | 193.5                         | 5,700 *                | 130                          |
| 140                          | 54.4                 | 191.8                         | 4,000 *                | 55.7                 | 191.0                         | 4,300 *                | 56.9                 | 189.3                         | 4,500 *                |                      |                               |                        | 140                          |
| 150                          | 51.3                 | 184.1                         | 3,200 *                | 52.6                 | 183.3                         | 3,500 *                | 53.8                 | 181.4                         | 3,700 *                |                      |                               |                        | 150                          |
| 160                          |                      |                               |                        |                      |                               |                        | 50.4                 | 172.6                         | 3,000 *                |                      |                               |                        | 160                          |



# Liftcrane Jib Capacities

New York City Code

Jib No. 10 With 12 Ft. 6 in. Strut On

Boom No. 222 With Open Throat Top

63,300 Lb. Crane Counterweight

14,000 Lb. Crawler Frame Counterweight

22 Ft. 4 in. Crawlers Extended

360 Degree Rating

 Meets  
ANSI B30.5  
Requirements

## 222 SERIES B 222EX SERIES B

### 50 Ft. JIB

| Jib<br>Oper.<br>Rad.<br>Feet | 0 Degree Offset      |                               |                        | 10 Degree Offset     |                               |                        | 20 Degree Offset     |                               |                        | 30 Degree Offset     |                               |                        | Jib<br>Oper.<br>Rad.<br>Feet |
|------------------------------|----------------------|-------------------------------|------------------------|----------------------|-------------------------------|------------------------|----------------------|-------------------------------|------------------------|----------------------|-------------------------------|------------------------|------------------------------|
|                              | Boom<br>Ang.<br>Deg. | Jib<br>Point<br>Elev.<br>Feet | Jib Capacity<br>Pounds | Boom<br>Ang.<br>Deg. | Jib<br>Point<br>Elev.<br>Feet | Jib Capacity<br>Pounds | Boom<br>Ang.<br>Deg. | Jib<br>Point<br>Elev.<br>Feet | Jib Capacity<br>Pounds | Boom<br>Ang.<br>Deg. | Jib<br>Point<br>Elev.<br>Feet | Jib Capacity<br>Pounds |                              |
| 70 Ft. BOOM                  |                      |                               |                        |                      |                               |                        |                      |                               |                        |                      |                               |                        |                              |
| 30                           | 79.1                 | 123.4                         | 20,000 *               |                      |                               |                        |                      |                               |                        |                      |                               |                        | 30                           |
| 35                           | 76.7                 | 122.1                         | 20,000 *               | 80.0                 | 121.5                         | 20,000 *               |                      |                               |                        |                      |                               |                        | 35                           |
| 40                           | 74.2                 | 120.7                         | 20,000 *               | 77.6                 | 120.0                         | 20,000 *               | 80.9                 | 118.6                         | 16,900 *               |                      |                               |                        | 40                           |
| 45                           | 71.7                 | 119.0                         | 20,000 *               | 75.0                 | 118.3                         | 19,500 *               | 78.4                 | 116.9                         | 15,500 *               |                      |                               |                        | 45                           |
| 50                           | 69.2                 | 117.1                         | 20,000 *               | 72.5                 | 116.4                         | 17,600 *               | 75.8                 | 115.0                         | 14,300 *               | 79.1                 | 112.7                         | 11,000 *               | 50                           |
| 55                           | 66.6                 | 114.9                         | 19,800 *               | 69.9                 | 114.2                         | 16,000 *               | 73.1                 | 112.7                         | 13,300 *               | 76.4                 | 110.4                         | 10,400 *               | 55                           |
| 60                           | 63.9                 | 112.4                         | 18,100 *               | 67.2                 | 111.7                         | 14,700 *               | 70.4                 | 110.2                         | 12,400 *               | 73.7                 | 107.8                         | 9,800 *                | 60                           |
| 65                           | 61.2                 | 109.6                         | 16,400 *               | 64.5                 | 108.9                         | 13,600 *               | 67.7                 | 107.4                         | 11,600 *               | 70.8                 | 104.9                         | 9,300 *                | 65                           |
| 70                           | 58.4                 | 106.5                         | 14,900 *               | 61.7                 | 105.8                         | 12,600 *               | 64.8                 | 104.2                         | 10,900 *               | 67.9                 | 101.6                         | 8,900 *                | 70                           |
| 75                           | 55.5                 | 103.1                         | 13,700 *               | 58.7                 | 102.3                         | 11,800 *               | 61.9                 | 100.6                         | 10,300 *               | 64.8                 | 98.0                          | 8,500 *                | 75                           |
| 80                           | 52.5                 | 99.2                          | 12,700 *               | 55.7                 | 98.4                          | 11,000 *               | 58.8                 | 96.7                          | 9,800 *                | 61.7                 | 93.9                          | 8,100 *                | 80                           |
| 90                           | 46.1                 | 90.1                          | 11,000 *               | 49.3                 | 89.2                          | 9,800 *                | 52.2                 | 87.3                          | 9,000 *                |                      |                               |                        | 90                           |
| 100                          | 38.9                 | 78.6                          | 9,700 *                | 41.9                 | 77.6                          | 8,900 *                |                      |                               |                        |                      |                               |                        | 100                          |
| 80 Ft. BOOM                  |                      |                               |                        |                      |                               |                        |                      |                               |                        |                      |                               |                        |                              |
| 30                           | 80.0                 | 133.6                         | 20,000 *               |                      |                               |                        |                      |                               |                        |                      |                               |                        | 30                           |
| 35                           | 77.7                 | 132.5                         | 20,000 *               | 80.8                 | 131.8                         | 20,000 *               |                      |                               |                        |                      |                               |                        | 35                           |
| 40                           | 75.5                 | 131.1                         | 20,000 *               | 78.5                 | 130.4                         | 20,000 *               |                      |                               |                        |                      |                               |                        | 40                           |
| 45                           | 73.2                 | 129.6                         | 20,000 *               | 76.2                 | 128.9                         | 20,000 *               | 79.3                 | 127.4                         | 16,000 *               |                      |                               |                        | 45                           |
| 50                           | 70.8                 | 127.8                         | 20,000 *               | 73.9                 | 127.1                         | 18,700 *               | 77.0                 | 125.6                         | 14,800 *               | 80.0                 | 123.2                         | 11,300 *               | 50                           |
| 55                           | 68.5                 | 125.8                         | 20,000 *               | 71.5                 | 125.1                         | 17,000 *               | 74.6                 | 123.6                         | 13,800 *               | 77.6                 | 121.1                         | 10,600 *               | 55                           |
| 60                           | 66.1                 | 123.6                         | 19,500 *               | 69.1                 | 122.8                         | 15,600 *               | 72.1                 | 121.3                         | 12,900 *               | 75.1                 | 118.8                         | 10,100 *               | 60                           |
| 65                           | 63.6                 | 121.1                         | 18,000 *               | 66.6                 | 120.3                         | 14,500 *               | 69.6                 | 118.7                         | 12,100 *               | 72.5                 | 116.2                         | 9,600 *                | 65                           |
| 70                           | 61.1                 | 118.3                         | 16,400 *               | 64.1                 | 117.5                         | 13,500 *               | 67.1                 | 115.9                         | 11,400 *               | 69.9                 | 113.3                         | 9,100 *                | 70                           |
| 75                           | 58.5                 | 115.2                         | 15,000 *               | 61.5                 | 114.4                         | 12,600 *               | 64.4                 | 112.7                         | 10,800 *               | 67.2                 | 110.1                         | 8,700 *                | 75                           |
| 80                           | 55.9                 | 111.8                         | 13,900 *               | 58.9                 | 111.0                         | 11,800 *               | 61.7                 | 109.3                         | 10,300 *               | 64.4                 | 106.5                         | 8,400 *                | 80                           |
| 90                           | 50.3                 | 103.9                         | 12,000 *               | 53.2                 | 103.0                         | 10,500 *               | 56.0                 | 101.1                         | 9,400 *                |                      |                               |                        | 90                           |
| 100                          | 44.2                 | 94.1                          | 10,600 *               | 47.0                 | 93.2                          | 9,500 *                |                      |                               |                        |                      |                               |                        | 100                          |
| 110                          | 37.3                 | 81.9                          | 9,500 *                |                      |                               |                        |                      |                               |                        |                      |                               |                        | 110                          |
| 90 Ft. BOOM                  |                      |                               |                        |                      |                               |                        |                      |                               |                        |                      |                               |                        |                              |
| 30                           | 80.7                 | 143.8                         | 20,000 *               |                      |                               |                        |                      |                               |                        |                      |                               |                        | 30                           |
| 35                           | 78.6                 | 142.7                         | 20,000 *               |                      |                               |                        |                      |                               |                        |                      |                               |                        | 35                           |
| 40                           | 76.5                 | 141.5                         | 20,000 *               | 79.4                 | 140.8                         | 20,000 *               |                      |                               |                        |                      |                               |                        | 40                           |
| 45                           | 74.4                 | 140.1                         | 20,000 *               | 77.3                 | 139.4                         | 20,000 *               | 80.1                 | 137.8                         | 16,500 *               |                      |                               |                        | 45                           |
| 50                           | 72.3                 | 138.4                         | 20,000 *               | 75.1                 | 137.7                         | 19,700 *               | 78.0                 | 136.2                         | 15,300 *               | 80.8                 | 133.7                         | 11,500 *               | 50                           |
| 55                           | 70.1                 | 136.6                         | 20,000 *               | 72.9                 | 135.9                         | 18,000 *               | 75.7                 | 134.3                         | 14,300 *               | 78.6                 | 131.8                         | 10,800 *               | 55                           |
| 60                           | 67.9                 | 134.6                         | 19,800 *               | 70.7                 | 133.8                         | 16,600 *               | 73.5                 | 132.2                         | 13,400 *               | 76.3                 | 129.7                         | 10,300 *               | 60                           |
| 65                           | 65.7                 | 132.3                         | 19,200 *               | 68.5                 | 131.5                         | 15,300 *               | 71.2                 | 129.9                         | 12,600 *               | 73.9                 | 127.3                         | 9,800 *                | 65                           |
| 70                           | 63.4                 | 129.7                         | 17,900 *               | 66.2                 | 128.9                         | 14,300 *               | 68.9                 | 127.3                         | 11,900 *               | 71.6                 | 124.6                         | 9,400 *                | 70                           |
| 75                           | 61.0                 | 126.9                         | 16,400 *               | 63.8                 | 126.1                         | 13,400 *               | 66.5                 | 124.4                         | 11,300 *               | 69.1                 | 121.7                         | 9,000 *                | 75                           |
| 80                           | 58.7                 | 123.9                         | 15,100 *               | 61.4                 | 123.0                         | 12,500 *               | 64.1                 | 121.3                         | 10,800 *               | 66.6                 | 118.5                         | 8,700 *                | 80                           |
| 90                           | 53.7                 | 116.8                         | 13,100 *               | 56.4                 | 115.9                         | 11,200 *               | 59.0                 | 114.1                         | 9,800 *                | 61.4                 | 111.1                         | 8,100 *                | 90                           |
| 100                          | 48.3                 | 108.3                         | 11,500 *               | 51.0                 | 107.4                         | 10,100 *               | 53.5                 | 105.4                         | 9,100 *                |                      |                               |                        | 100                          |
| 110                          | 42.5                 | 98.0                          | 10,300 *               | 45.1                 | 96.9                          | 9,200 *                |                      |                               |                        |                      |                               |                        | 110                          |
| 120                          | 35.8                 | 85.1                          | 9,300 *                |                      |                               |                        |                      |                               |                        |                      |                               |                        | 120                          |

# Liftcrane Jib Capacities

New York City Code  
Jib No. 10 With 12 Ft. 6 in. Strut On  
Boom No. 222 With Open Throat Top  
63,300 Lb. Crane Counterweight  
14,000 Lb. Crawler Frame Counterweight  
22 Ft. 4 in. Crawlers Extended  
360 Degree Rating

Meets  
ANSI B30.5  
Requirements

## 222 SERIES B 222EX SERIES B

### 50 Ft. JIB

| Jib<br>Oper.<br>Rad.<br>Feet | 0 Degree Offset      |                               |                        | 10 Degree Offset     |                               |                        | 20 Degree Offset     |                               |                        | 30 Degree Offset     |                               |                        | Jib<br>Oper.<br>Rad.<br>Feet |
|------------------------------|----------------------|-------------------------------|------------------------|----------------------|-------------------------------|------------------------|----------------------|-------------------------------|------------------------|----------------------|-------------------------------|------------------------|------------------------------|
|                              | Boom<br>Ang.<br>Deg. | Jib<br>Point<br>Elev.<br>Feet | Jib Capacity<br>Pounds | Boom<br>Ang.<br>Deg. | Jib<br>Point<br>Elev.<br>Feet | Jib Capacity<br>Pounds | Boom<br>Ang.<br>Deg. | Jib<br>Point<br>Elev.<br>Feet | Jib Capacity<br>Pounds | Boom<br>Ang.<br>Deg. | Jib<br>Point<br>Elev.<br>Feet | Jib Capacity<br>Pounds |                              |
| 100 Ft. BOOM                 |                      |                               |                        |                      |                               |                        |                      |                               |                        |                      |                               |                        |                              |
| 35                           | 79.4                 | 153.0                         | 20,000 *               |                      |                               |                        |                      |                               |                        |                      |                               |                        | 35                           |
| 40                           | 77.4                 | 151.8                         | 20,000 *               | 80.1                 | 151.1                         | 20,000 *               |                      |                               |                        |                      |                               |                        | 40                           |
| 45                           | 75.5                 | 150.5                         | 20,000 *               | 78.1                 | 149.8                         | 20,000 *               | 80.8                 | 148.2                         | 16,900 *               |                      |                               |                        | 45                           |
| 50                           | 73.5                 | 149.0                         | 20,000 *               | 76.1                 | 148.2                         | 20,000 *               | 78.8                 | 146.7                         | 15,700 *               |                      |                               |                        | 50                           |
| 55                           | 71.5                 | 147.3                         | 20,000 *               | 74.1                 | 146.5                         | 18,900 *               | 76.8                 | 144.9                         | 14,700 *               | 79.4                 | 142.4                         | 11,000 *               | 55                           |
| 60                           | 69.4                 | 145.4                         | 19,800 *               | 72.1                 | 144.6                         | 17,400 *               | 74.7                 | 143.0                         | 13,800 *               | 77.3                 | 140.4                         | 10,500 *               | 60                           |
| 65                           | 67.4                 | 143.3                         | 19,400 *               | 70.0                 | 142.5                         | 16,200 *               | 72.6                 | 140.8                         | 13,000 *               | 75.1                 | 138.2                         | 10,000 *               | 65                           |
| 70                           | 65.3                 | 140.9                         | 18,800 *               | 67.9                 | 140.1                         | 15,100 *               | 70.5                 | 138.5                         | 12,400 *               | 73.0                 | 135.8                         | 9,600 *                | 70                           |
| 75                           | 63.1                 | 138.4                         | 17,800 *               | 65.7                 | 137.6                         | 14,100 *               | 68.3                 | 135.9                         | 11,700 *               | 70.7                 | 133.1                         | 9,200 *                | 75                           |
| 80                           | 61.0                 | 135.6                         | 16,400 *               | 63.6                 | 134.8                         | 13,300 *               | 66.1                 | 133.0                         | 11,200 *               | 68.5                 | 130.2                         | 8,900 *                | 80                           |
| 90                           | 56.5                 | 129.2                         | 14,100                 | 59.0                 | 128.3                         | 11,800 *               | 61.5                 | 126.5                         | 10,200 *               | 63.8                 | 123.5                         | 8,300 *                | 90                           |
| 100                          | 51.7                 | 121.6                         | 12,100                 | 54.2                 | 120.7                         | 10,700 *               | 56.6                 | 118.7                         | 9,500 *                |                      |                               |                        | 100                          |
| 110                          | 46.6                 | 112.6                         | 10,600                 | 49.0                 | 111.5                         | 9,800 *                | 51.3                 | 109.4                         | 8,800 *                |                      |                               |                        | 110                          |
| 120                          | 40.9                 | 101.6                         | 9,300                  | 43.3                 | 100.5                         | 9,000 *                |                      |                               |                        |                      |                               |                        | 120                          |
| 130                          | 34.5                 | 88.1                          | 8,100 *                |                      |                               |                        |                      |                               |                        |                      |                               |                        | 130                          |
| 110 Ft. BOOM                 |                      |                               |                        |                      |                               |                        |                      |                               |                        |                      |                               |                        |                              |
| 35                           | 80.1                 | 163.2                         | 20,000 *               |                      |                               |                        |                      |                               |                        |                      |                               |                        | 35                           |
| 40                           | 78.2                 | 162.1                         | 20,000 *               | 80.7                 | 161.3                         | 20,000 *               |                      |                               |                        |                      |                               |                        | 40                           |
| 45                           | 76.4                 | 160.9                         | 20,000 *               | 78.9                 | 160.1                         | 20,000 *               |                      |                               |                        |                      |                               |                        | 45                           |
| 50                           | 74.5                 | 159.5                         | 20,000 *               | 77.0                 | 158.7                         | 19,900 *               | 79.5                 | 157.1                         | 16,100 *               |                      |                               |                        | 50                           |
| 55                           | 72.7                 | 157.9                         | 20,000 *               | 75.2                 | 157.1                         | 19,500 *               | 77.6                 | 155.5                         | 15,100 *               | 80.1                 | 152.8                         | 11,200 *               | 55                           |
| 60                           | 70.8                 | 156.1                         | 19,800 *               | 73.3                 | 155.3                         | 18,300 *               | 75.7                 | 153.7                         | 14,200 *               | 78.2                 | 151.0                         | 10,700 *               | 60                           |
| 65                           | 68.9                 | 154.1                         | 19,400 *               | 71.3                 | 153.3                         | 17,000 *               | 73.8                 | 151.7                         | 13,500 *               | 76.2                 | 149.0                         | 10,200 *               | 65                           |
| 70                           | 66.9                 | 152.0                         | 18,900 *               | 69.4                 | 151.2                         | 15,800 *               | 71.8                 | 149.5                         | 12,800 *               | 74.2                 | 146.8                         | 9,800 *                | 70                           |
| 75                           | 65.0                 | 149.6                         | 17,800                 | 67.4                 | 148.8                         | 14,800 *               | 69.8                 | 147.1                         | 12,100 *               | 72.1                 | 144.3                         | 9,400 *                | 75                           |
| 80                           | 63.0                 | 147.1                         | 16,300                 | 65.4                 | 146.2                         | 14,000 *               | 67.8                 | 144.5                         | 11,600 *               | 70.0                 | 141.6                         | 9,100 *                | 80                           |
| 90                           | 58.8                 | 141.2                         | 13,800                 | 61.2                 | 140.3                         | 12,500 *               | 63.5                 | 138.5                         | 10,600 *               | 65.7                 | 135.5                         | 8,500 *                | 90                           |
| 100                          | 54.5                 | 134.3                         | 11,900                 | 56.9                 | 133.4                         | 11,300 *               | 59.1                 | 131.5                         | 9,800 *                | 61.2                 | 128.3                         | 8,000 *                | 100                          |
| 110                          | 49.9                 | 126.2                         | 10,400                 | 52.2                 | 125.2                         | 10,300 *               | 54.4                 | 123.2                         | 9,200 *                |                      |                               |                        | 110                          |
| 120                          | 45.0                 | 116.7                         | 9,100                  | 47.3                 | 115.6                         | 9,200                  |                      |                               |                        |                      |                               |                        | 120                          |
| 130                          | 39.5                 | 105.2                         | 8,000                  | 41.8                 | 104.0                         | 8,200                  |                      |                               |                        |                      |                               |                        | 130                          |
| 140                          | 33.4                 | 91.0                          | 6,800 *                |                      |                               |                        |                      |                               |                        |                      |                               |                        | 140                          |



# Liftcrane Jib Capacities

New York City Code

Jib No. 10 With 12 Ft. 6 in. Strut On

Boom No. 222 With Open Throat Top

63,300 Lb. Crane Counterweight

14,000 Lb. Crawler Frame Counterweight

22 Ft. 4 in. Crawlers Extended

360 Degree Rating

 Meets  
ANSI B30.5  
Requirements

## 222 SERIES B

## 222EX SERIES B

### 50 Ft. JIB

| Jib<br>Oper.<br>Rad.<br>Feet | 0 Degree Offset      |                               |                        | 10 Degree Offset     |                               |                        | 20 Degree Offset     |                               |                        | 30 Degree Offset     |                               |                        | Jib<br>Oper.<br>Rad.<br>Feet |
|------------------------------|----------------------|-------------------------------|------------------------|----------------------|-------------------------------|------------------------|----------------------|-------------------------------|------------------------|----------------------|-------------------------------|------------------------|------------------------------|
|                              | Boom<br>Ang.<br>Deg. | Jib<br>Point<br>Elev.<br>Feet | Jib Capacity<br>Pounds | Boom<br>Ang.<br>Deg. | Jib<br>Point<br>Elev.<br>Feet | Jib Capacity<br>Pounds | Boom<br>Ang.<br>Deg. | Jib<br>Point<br>Elev.<br>Feet | Jib Capacity<br>Pounds | Boom<br>Ang.<br>Deg. | Jib<br>Point<br>Elev.<br>Feet | Jib Capacity<br>Pounds |                              |
| 120 Ft. BOOM                 |                      |                               |                        |                      |                               |                        |                      |                               |                        |                      |                               |                        |                              |
| 35                           | 80.6                 | 173.3                         | 20,000 *               |                      |                               |                        |                      |                               |                        |                      |                               |                        | 35                           |
| 40                           | 78.9                 | 172.3                         | 20,000 *               |                      |                               |                        |                      |                               |                        |                      |                               |                        | 40                           |
| 45                           | 77.2                 | 171.2                         | 20,000 *               | 79.6                 | 170.4                         | 20,000 *               |                      |                               |                        |                      |                               |                        | 45                           |
| 50                           | 75.5                 | 169.9                         | 20,000 *               | 77.8                 | 169.1                         | 19,800 *               | 80.2                 | 167.4                         | 16,500 *               |                      |                               |                        | 50                           |
| 55                           | 73.7                 | 168.4                         | 20,000 *               | 76.1                 | 167.6                         | 19,400 *               | 78.4                 | 165.9                         | 15,500 *               | 80.7                 | 163.3                         | 11,400 *               | 55                           |
| 60                           | 72.0                 | 166.7                         | 19,700 *               | 74.3                 | 165.9                         | 19,000 *               | 76.6                 | 164.2                         | 14,600 *               | 78.9                 | 161.6                         | 10,900 *               | 60                           |
| 65                           | 70.2                 | 164.9                         | 19,300 *               | 72.5                 | 164.1                         | 17,800 *               | 74.8                 | 162.4                         | 13,800 *               | 77.1                 | 159.7                         | 10,400 *               | 65                           |
| 70                           | 68.4                 | 162.9                         | 18,900 *               | 70.7                 | 162.1                         | 16,600 *               | 73.0                 | 160.4                         | 13,100 *               | 75.2                 | 157.6                         | 10,000 *               | 70                           |
| 75                           | 66.5                 | 160.7                         | 17,500                 | 68.8                 | 159.9                         | 15,600 *               | 71.1                 | 158.1                         | 12,500 *               | 73.3                 | 155.3                         | 9,600 *                | 75                           |
| 80                           | 64.7                 | 158.3                         | 16,000                 | 67.0                 | 157.5                         | 14,600 *               | 69.2                 | 155.7                         | 12,000 *               | 71.4                 | 152.8                         | 9,300 *                | 80                           |
| 90                           | 60.9                 | 152.9                         | 13,500                 | 63.1                 | 152.0                         | 13,100 *               | 65.3                 | 150.2                         | 11,000 *               | 67.4                 | 147.2                         | 8,700 *                | 90                           |
| 100                          | 56.9                 | 146.6                         | 11,600                 | 59.1                 | 145.7                         | 11,900 *               | 61.3                 | 143.8                         | 10,200 *               | 63.3                 | 140.7                         | 8,200 *                | 100                          |
| 110                          | 52.7                 | 139.2                         | 10,100                 | 54.9                 | 138.3                         | 10,300                 | 57.0                 | 136.2                         | 9,500 *                |                      |                               |                        | 110                          |
| 120                          | 48.3                 | 130.7                         | 8,800                  | 50.5                 | 129.6                         | 9,000                  | 52.5                 | 127.5                         | 8,900 *                |                      |                               |                        | 120                          |
| 130                          | 43.5                 | 120.6                         | 7,800                  | 45.7                 | 119.5                         | 7,900                  |                      |                               |                        |                      |                               |                        | 130                          |
| 140                          | 38.3                 | 108.6                         | 6,700 *                |                      |                               |                        |                      |                               |                        |                      |                               |                        | 140                          |
| 150                          | 32.3                 | 93.9                          | 5,500 *                |                      |                               |                        |                      |                               |                        |                      |                               |                        | 150                          |
| 130 Ft. BOOM                 |                      |                               |                        |                      |                               |                        |                      |                               |                        |                      |                               |                        |                              |
| 40                           | 79.6                 | 182.6                         | 20,000 *               |                      |                               |                        |                      |                               |                        |                      |                               |                        | 40                           |
| 45                           | 77.9                 | 181.5                         | 20,000 *               | 80.2                 | 180.7                         | 19,900 *               |                      |                               |                        |                      |                               |                        | 45                           |
| 50                           | 76.3                 | 180.2                         | 20,000 *               | 78.5                 | 179.4                         | 19,600 *               | 80.8                 | 177.7                         | 16,800 *               |                      |                               |                        | 50                           |
| 55                           | 74.7                 | 178.8                         | 20,000 *               | 76.9                 | 178.0                         | 19,300 *               | 79.1                 | 176.3                         | 15,800 *               |                      |                               |                        | 55                           |
| 60                           | 73.0                 | 177.3                         | 19,500 *               | 75.2                 | 176.5                         | 18,900 *               | 77.4                 | 174.8                         | 15,000 *               | 79.6                 | 172.0                         | 11,000 *               | 60                           |
| 65                           | 71.3                 | 175.6                         | 19,200 *               | 73.5                 | 174.7                         | 18,500 *               | 75.7                 | 173.0                         | 14,200 *               | 77.8                 | 170.3                         | 10,600 *               | 65                           |
| 70                           | 69.6                 | 173.7                         | 18,800 *               | 71.8                 | 172.9                         | 17,300 *               | 74.0                 | 171.1                         | 13,500 *               | 76.1                 | 168.3                         | 10,200 *               | 70                           |
| 75                           | 67.9                 | 171.6                         | 17,300                 | 70.1                 | 170.8                         | 16,200 *               | 72.2                 | 169.0                         | 12,900 *               | 74.3                 | 166.2                         | 9,800 *                | 75                           |
| 80                           | 66.2                 | 169.4                         | 15,800                 | 68.3                 | 168.6                         | 15,300 *               | 70.5                 | 166.8                         | 12,300 *               | 72.5                 | 163.9                         | 9,500 *                | 80                           |
| 90                           | 62.6                 | 164.4                         | 13,300                 | 64.8                 | 163.5                         | 13,600                 | 66.9                 | 161.7                         | 11,300 *               | 68.9                 | 158.7                         | 8,900 *                | 90                           |
| 100                          | 59.0                 | 158.5                         | 11,400                 | 61.1                 | 157.6                         | 11,700                 | 63.1                 | 155.7                         | 10,500 *               | 65.0                 | 152.6                         | 8,400 *                | 100                          |
| 110                          | 55.1                 | 151.8                         | 9,800                  | 57.2                 | 150.8                         | 10,100                 | 59.2                 | 148.8                         | 9,800 *                | 61.1                 | 145.6                         | 7,900 *                | 110                          |
| 120                          | 51.1                 | 144.0                         | 8,600                  | 53.2                 | 143.0                         | 8,800                  | 55.1                 | 140.9                         | 9,000                  |                      |                               |                        | 120                          |
| 130                          | 46.8                 | 135.0                         | 7,500                  | 48.9                 | 133.9                         | 7,700                  | 50.7                 | 131.6                         | 7,800                  |                      |                               |                        | 130                          |
| 140                          | 42.2                 | 124.4                         | 6,400 *                | 44.2                 | 123.2                         | 6,700 *                |                      |                               |                        |                      |                               |                        | 140                          |
| 150                          | 37.1                 | 111.9                         | 5,400 *                |                      |                               |                        |                      |                               |                        |                      |                               |                        | 150                          |
| 160                          | 31.3                 | 96.6                          | 4,500 *                |                      |                               |                        |                      |                               |                        |                      |                               |                        | 160                          |

# Liftcrane Jib Capacities

New York City Code  
Jib No. 10 With 12 Ft. 6 in. Strut On  
Boom No. 222 With Open Throat Top  
63,300 Lb. Crane Counterweight  
14,000 Lb. Crawler Frame Counterweight  
22 Ft. 4 in. Crawlers Extended  
360 Degree Rating

Meets  
ANSI B30.5  
Requirements

## 222 SERIES B 222EX SERIES B

### 50 Ft. JIB

| Jib<br>Oper.<br>Rad.<br>Feet | 0 Degree Offset      |                               |                        | 10 Degree Offset     |                               |                        | 20 Degree Offset     |                               |                        | 30 Degree Offset     |                               |                        | Jib<br>Oper.<br>Rad.<br>Feet |
|------------------------------|----------------------|-------------------------------|------------------------|----------------------|-------------------------------|------------------------|----------------------|-------------------------------|------------------------|----------------------|-------------------------------|------------------------|------------------------------|
|                              | Boom<br>Ang.<br>Deg. | Jib<br>Point<br>Elev.<br>Feet | Jib Capacity<br>Pounds | Boom<br>Ang.<br>Deg. | Jib<br>Point<br>Elev.<br>Feet | Jib Capacity<br>Pounds | Boom<br>Ang.<br>Deg. | Jib<br>Point<br>Elev.<br>Feet | Jib Capacity<br>Pounds | Boom<br>Ang.<br>Deg. | Jib<br>Point<br>Elev.<br>Feet | Jib Capacity<br>Pounds |                              |
| 140 Ft. BOOM                 |                      |                               |                        |                      |                               |                        |                      |                               |                        |                      |                               |                        |                              |
| 40                           | 80.1                 | 192.8                         | 20,000 *               |                      |                               |                        |                      |                               |                        |                      |                               |                        | 40                           |
| 45                           | 78.6                 | 191.7                         | 20,000 *               | 80.7                 | 190.9                         | 19,600 *               |                      |                               |                        |                      |                               |                        | 45                           |
| 50                           | 77.0                 | 190.5                         | 20,000 *               | 79.1                 | 189.7                         | 19,300 *               |                      |                               |                        |                      |                               |                        | 50                           |
| 55                           | 75.5                 | 189.2                         | 19,700 *               | 77.6                 | 188.4                         | 19,100 *               | 79.7                 | 186.7                         | 16,200 *               |                      |                               |                        | 55                           |
| 60                           | 73.9                 | 187.8                         | 19,300 *               | 76.0                 | 186.9                         | 18,800 *               | 78.1                 | 185.2                         | 15,300 *               | 80.2                 | 182.4                         | 11,200 *               | 60                           |
| 65                           | 72.3                 | 186.2                         | 18,900 *               | 74.4                 | 185.3                         | 18,500 *               | 76.5                 | 183.6                         | 14,500 *               | 78.5                 | 180.8                         | 10,700 *               | 65                           |
| 70                           | 70.7                 | 184.4                         | 18,200 *               | 72.8                 | 183.5                         | 18,000 *               | 74.9                 | 181.8                         | 13,800 *               | 76.9                 | 179.0                         | 10,300 *               | 70                           |
| 75                           | 69.1                 | 182.5                         | 16,700 *               | 71.2                 | 181.6                         | 16,900 *               | 73.2                 | 179.8                         | 13,200 *               | 75.2                 | 177.0                         | 10,000 *               | 75                           |
| 80                           | 67.5                 | 180.4                         | 15,300 *               | 69.6                 | 179.5                         | 15,600 *               | 71.6                 | 177.7                         | 12,600 *               | 73.6                 | 174.8                         | 9,600 *                | 80                           |
| 90                           | 64.2                 | 175.7                         | 13,000 *               | 66.2                 | 174.8                         | 13,300 *               | 68.2                 | 172.9                         | 11,600 *               | 70.1                 | 170.0                         | 9,000 *                | 90                           |
| 100                          | 60.8                 | 170.2                         | 11,100                 | 62.8                 | 169.3                         | 11,400                 | 64.7                 | 167.4                         | 10,800 *               | 66.6                 | 164.3                         | 8,500 *                | 100                          |
| 110                          | 57.2                 | 164.0                         | 9,600                  | 59.2                 | 163.0                         | 9,900                  | 61.1                 | 161.0                         | 10,100                 | 62.9                 | 157.8                         | 8,100 *                | 110                          |
| 120                          | 53.5                 | 156.8                         | 8,300                  | 55.5                 | 155.8                         | 8,500                  | 57.4                 | 153.7                         | 8,800                  |                      |                               |                        | 120                          |
| 130                          | 49.6                 | 148.6                         | 7,200 *                | 51.6                 | 147.5                         | 7,500                  | 53.4                 | 145.3                         | 7,600                  |                      |                               |                        | 130                          |
| 140                          | 45.5                 | 139.1                         | 6,100 *                | 47.4                 | 138.0                         | 6,400 *                |                      |                               |                        |                      |                               |                        | 140                          |
| 150                          | 41.0                 | 128.1                         | 5,200 *                | 42.9                 | 126.9                         | 5,500 *                |                      |                               |                        |                      |                               |                        | 150                          |
| 160                          | 36.1                 | 115.1                         | 4,300 *                |                      |                               |                        |                      |                               |                        |                      |                               |                        | 160                          |
| 150 Ft. BOOM                 |                      |                               |                        |                      |                               |                        |                      |                               |                        |                      |                               |                        |                              |
| 40                           | 80.6                 | 202.9                         | 20,000 *               |                      |                               |                        |                      |                               |                        |                      |                               |                        | 40                           |
| 45                           | 79.2                 | 201.9                         | 20,000 *               |                      |                               |                        |                      |                               |                        |                      |                               |                        | 45                           |
| 50                           | 77.7                 | 200.8                         | 19,600 *               | 79.7                 | 200.0                         | 19,000 *               |                      |                               |                        |                      |                               |                        | 50                           |
| 55                           | 76.2                 | 199.6                         | 19,300 *               | 78.2                 | 198.8                         | 18,800 *               | 80.2                 | 197.0                         | 16,500 *               |                      |                               |                        | 55                           |
| 60                           | 74.7                 | 198.2                         | 19,000 *               | 76.7                 | 197.4                         | 18,500 *               | 78.7                 | 195.6                         | 15,600 *               | 80.7                 | 192.8                         | 11,300 *               | 60                           |
| 65                           | 73.2                 | 196.7                         | 18,600 *               | 75.2                 | 195.8                         | 18,300 *               | 77.2                 | 194.1                         | 14,900 *               | 79.1                 | 191.2                         | 10,900 *               | 65                           |
| 70                           | 71.7                 | 195.0                         | 17,600 *               | 73.7                 | 194.2                         | 17,900 *               | 75.7                 | 192.4                         | 14,200 *               | 77.6                 | 189.5                         | 10,500 *               | 70                           |
| 75                           | 70.2                 | 193.2                         | 16,000 *               | 72.2                 | 192.3                         | 16,400 *               | 74.1                 | 190.5                         | 13,500 *               | 76.0                 | 187.7                         | 10,100 *               | 75                           |
| 80                           | 68.7                 | 191.2                         | 14,700 *               | 70.7                 | 190.4                         | 15,000 *               | 72.6                 | 188.5                         | 13,000 *               | 74.5                 | 185.6                         | 9,800 *                | 80                           |
| 90                           | 65.6                 | 186.8                         | 12,500 *               | 67.5                 | 185.9                         | 12,800 *               | 69.4                 | 184.1                         | 12,000 *               | 71.2                 | 181.1                         | 9,200 *                | 90                           |
| 100                          | 62.4                 | 181.7                         | 10,600 *               | 64.3                 | 180.8                         | 11,000 *               | 66.2                 | 178.9                         | 11,100 *               | 67.9                 | 175.8                         | 8,700 *                | 100                          |
| 110                          | 59.1                 | 175.9                         | 9,100 *                | 61.0                 | 174.9                         | 9,500 *                | 62.8                 | 172.9                         | 9,800 *                | 64.5                 | 169.8                         | 8,300 *                | 110                          |
| 120                          | 55.6                 | 169.2                         | 7,900 *                | 57.5                 | 168.2                         | 8,200 *                | 59.3                 | 166.2                         | 8,500 *                | 60.9                 | 162.9                         | 7,900 *                | 120                          |
| 130                          | 52.1                 | 161.7                         | 6,800 *                | 53.9                 | 160.6                         | 7,100 *                | 55.7                 | 158.5                         | 7,300 *                |                      |                               |                        | 130                          |
| 140                          | 48.3                 | 153.0                         | 5,800 *                | 50.1                 | 151.9                         | 6,100 *                | 51.8                 | 149.6                         | 6,300 *                |                      |                               |                        | 140                          |
| 150                          | 44.3                 | 143.1                         | 4,900 *                | 46.1                 | 142.0                         | 5,200 *                |                      |                               |                        |                      |                               |                        | 150                          |
| 160                          | 39.9                 | 131.7                         | 4,100 *                | 41.7                 | 130.4                         | 4,300 *                |                      |                               |                        |                      |                               |                        | 160                          |
| 170                          | 35.1                 | 118.2                         | 3,300 *                |                      |                               |                        |                      |                               |                        |                      |                               |                        | 170                          |



# Liftcrane Jib Capacities

New York City Code

Jib No. 10 With 12 Ft. 6 in. Strut On

Boom No. 222 With Open Throat Top

63,300 Lb. Crane Counterweight

14,000 Lb. Crawler Frame Counterweight

22 Ft. 4 in. Crawlers Extended

360 Degree Rating

 Meets  
ANSI B30.5  
Requirements

## 222 SERIES B

## 222EX SERIES B

### 50 Ft. JIB

| Jib<br>Oper.<br>Rad.<br>Feet | 0 Degree Offset      |                               |                        | 10 Degree Offset     |                               |                        | 20 Degree Offset     |                               |                        | 30 Degree Offset     |                               |                        | Jib<br>Oper.<br>Rad.<br>Feet |
|------------------------------|----------------------|-------------------------------|------------------------|----------------------|-------------------------------|------------------------|----------------------|-------------------------------|------------------------|----------------------|-------------------------------|------------------------|------------------------------|
|                              | Boom<br>Ang.<br>Deg. | Jib<br>Point<br>Elev.<br>Feet | Jib Capacity<br>Pounds | Boom<br>Ang.<br>Deg. | Jib<br>Point<br>Elev.<br>Feet | Jib Capacity<br>Pounds | Boom<br>Ang.<br>Deg. | Jib<br>Point<br>Elev.<br>Feet | Jib Capacity<br>Pounds | Boom<br>Ang.<br>Deg. | Jib<br>Point<br>Elev.<br>Feet | Jib Capacity<br>Pounds |                              |
| 160 Ft. BOOM                 |                      |                               |                        |                      |                               |                        |                      |                               |                        |                      |                               |                        |                              |
| 45                           | 79.7                 | 212.1                         | 19,400 *               |                      |                               |                        |                      |                               |                        |                      |                               |                        | 45                           |
| 50                           | 78.3                 | 211.1                         | 19,200 *               | 80.2                 | 210.3                         | 18,700 *               |                      |                               |                        |                      |                               |                        | 50                           |
| 55                           | 76.9                 | 209.9                         | 18,900 *               | 78.8                 | 209.1                         | 18,500 *               | 80.7                 | 207.3                         | 16,800 *               |                      |                               |                        | 55                           |
| 60                           | 75.5                 | 208.6                         | 18,600 *               | 77.4                 | 207.7                         | 18,200 *               | 79.3                 | 206.0                         | 15,900 *               |                      |                               |                        | 60                           |
| 65                           | 74.1                 | 207.1                         | 18,300 *               | 76.0                 | 206.3                         | 18,000 *               | 77.8                 | 204.5                         | 15,200 *               | 79.7                 | 201.7                         | 11,000 *               | 65                           |
| 70                           | 72.6                 | 205.6                         | 16,800 *               | 74.5                 | 204.7                         | 17,200 *               | 76.4                 | 202.9                         | 14,500 *               | 78.2                 | 200.0                         | 10,600 *               | 70                           |
| 75                           | 71.2                 | 203.8                         | 15,300 *               | 73.1                 | 203.0                         | 15,700 *               | 74.9                 | 201.2                         | 13,800 *               | 76.8                 | 198.3                         | 10,300 *               | 75                           |
| 80                           | 69.8                 | 202.0                         | 14,000 *               | 71.6                 | 201.1                         | 14,300 *               | 73.5                 | 199.3                         | 13,300 *               | 75.3                 | 196.4                         | 9,900 *                | 80                           |
| 90                           | 66.8                 | 197.8                         | 11,800 *               | 68.7                 | 196.9                         | 12,100 *               | 70.5                 | 195.1                         | 12,300 *               | 72.2                 | 192.1                         | 9,300 *                | 90                           |
| 100                          | 63.8                 | 193.0                         | 10,000 *               | 65.6                 | 192.1                         | 10,300 *               | 67.4                 | 190.2                         | 10,700 *               | 69.1                 | 187.1                         | 8,800 *                | 100                          |
| 110                          | 60.7                 | 187.5                         | 8,500 *                | 62.5                 | 186.6                         | 8,900 *                | 64.3                 | 184.6                         | 9,200 *                | 65.9                 | 181.5                         | 8,400 *                | 110                          |
| 120                          | 57.5                 | 181.3                         | 7,300 *                | 59.3                 | 180.4                         | 7,600 *                | 61.0                 | 178.3                         | 7,900 *                | 62.6                 | 175.0                         | 8,000 *                | 120                          |
| 130                          | 54.2                 | 174.3                         | 6,200 *                | 56.0                 | 173.3                         | 6,500 *                | 57.6                 | 171.2                         | 6,800 *                |                      |                               |                        | 130                          |
| 140                          | 50.7                 | 166.4                         | 5,300 *                | 52.5                 | 165.3                         | 5,600 *                | 54.1                 | 163.1                         | 5,900 *                |                      |                               |                        | 140                          |
| 150                          | 47.0                 | 157.3                         | 4,500 *                | 48.8                 | 156.2                         | 4,700 *                | 50.3                 | 153.8                         | 5,000 *                |                      |                               |                        | 150                          |
| 160                          | 43.1                 | 147.1                         | 3,700 *                | 44.8                 | 145.8                         | 3,900 *                |                      |                               |                        |                      |                               |                        | 160                          |
| 170                          | 38.9                 | 135.2                         | 3,000 *                | 40.6                 | 133.9                         | 3,200 *                |                      |                               |                        |                      |                               |                        | 170                          |
| 170 Ft. BOOM                 |                      |                               |                        |                      |                               |                        |                      |                               |                        |                      |                               |                        |                              |
| 45                           | 80.1                 | 222.3                         | 18,700 *               |                      |                               |                        |                      |                               |                        |                      |                               |                        | 45                           |
| 50                           | 78.8                 | 221.3                         | 18,500 *               | 80.6                 | 220.5                         | 18,200 *               |                      |                               |                        |                      |                               |                        | 50                           |
| 55                           | 77.5                 | 220.2                         | 18,300 *               | 79.3                 | 219.4                         | 18,000 *               |                      |                               |                        |                      |                               |                        | 55                           |
| 60                           | 76.2                 | 218.9                         | 18,000 *               | 78.0                 | 218.1                         | 17,800 *               | 79.8                 | 216.3                         | 16,200 *               |                      |                               |                        | 60                           |
| 65                           | 74.8                 | 217.6                         | 17,800 *               | 76.6                 | 216.7                         | 17,600 *               | 78.4                 | 214.9                         | 15,400 *               | 80.2                 | 212.0                         | 11,100 *               | 65                           |
| 70                           | 73.5                 | 216.1                         | 16,200 *               | 75.3                 | 215.2                         | 16,600 *               | 77.0                 | 213.4                         | 14,800 *               | 78.8                 | 210.5                         | 10,700 *               | 70                           |
| 75                           | 72.1                 | 214.4                         | 14,700 *               | 73.9                 | 213.6                         | 15,100 *               | 75.7                 | 211.7                         | 14,100 *               | 77.4                 | 208.8                         | 10,400 *               | 75                           |
| 80                           | 70.7                 | 212.7                         | 13,400 *               | 72.5                 | 211.8                         | 13,800 *               | 74.3                 | 209.9                         | 13,600 *               | 76.0                 | 207.0                         | 10,100 *               | 80                           |
| 90                           | 67.9                 | 208.7                         | 11,200 *               | 69.7                 | 207.8                         | 11,600 *               | 71.4                 | 205.9                         | 12,000 *               | 73.1                 | 202.9                         | 9,500 *                | 90                           |
| 100                          | 65.1                 | 204.2                         | 9,500 *                | 66.8                 | 203.3                         | 9,800 *                | 68.6                 | 201.3                         | 10,200 *               | 70.2                 | 198.3                         | 9,000 *                | 100                          |
| 110                          | 62.2                 | 199.0                         | 8,000 *                | 63.9                 | 198.1                         | 8,400 *                | 65.6                 | 196.1                         | 8,700 *                | 67.2                 | 193.0                         | 8,500 *                | 110                          |
| 120                          | 59.1                 | 193.2                         | 6,800 *                | 60.9                 | 192.2                         | 7,100 *                | 62.5                 | 190.2                         | 7,500 *                | 64.1                 | 186.9                         | 7,800 *                | 120                          |
| 130                          | 56.0                 | 186.6                         | 5,800 *                | 57.8                 | 185.6                         | 6,100 *                | 59.4                 | 183.5                         | 6,400 *                | 60.8                 | 180.1                         | 6,700 *                | 130                          |
| 140                          | 52.8                 | 179.3                         | 4,900 *                | 54.5                 | 178.2                         | 5,200 *                | 56.1                 | 176.0                         | 5,400 *                |                      |                               |                        | 140                          |
| 150                          | 49.4                 | 170.9                         | 4,100 *                | 51.1                 | 169.8                         | 4,300 *                | 52.6                 | 167.5                         | 4,600 *                |                      |                               |                        | 150                          |
| 160                          | 45.9                 | 161.5                         | 3,300 *                | 47.5                 | 160.4                         | 3,600 *                |                      |                               |                        |                      |                               |                        | 160                          |

# Liftcrane Jib Capacities

New York City Code  
Jib No. 10 With 12 Ft. 6 in. Strut On  
Boom No. 222 With Open Throat Top  
63,300 Lb. Crane Counterweight  
14,000 Lb. Crawler Frame Counterweight  
22 Ft. 4 in. Crawlers Extended  
360 Degree Rating

Meets  
ANSI B30.5  
Requirements

## 222 SERIES B 222EX SERIES B

### 50 Ft. JIB

| Jib<br>Oper.<br>Rad.<br>Feet | 0 Degree Offset      |                               |                        | 10 Degree Offset     |                               |                        | 20 Degree Offset     |                               |                        | 30 Degree Offset     |                               |                        | Jib<br>Oper.<br>Rad.<br>Feet |
|------------------------------|----------------------|-------------------------------|------------------------|----------------------|-------------------------------|------------------------|----------------------|-------------------------------|------------------------|----------------------|-------------------------------|------------------------|------------------------------|
|                              | Boom<br>Ang.<br>Deg. | Jib<br>Point<br>Elev.<br>Feet | Jib Capacity<br>Pounds | Boom<br>Ang.<br>Deg. | Jib<br>Point<br>Elev.<br>Feet | Jib Capacity<br>Pounds | Boom<br>Ang.<br>Deg. | Jib<br>Point<br>Elev.<br>Feet | Jib Capacity<br>Pounds | Boom<br>Ang.<br>Deg. | Jib<br>Point<br>Elev.<br>Feet | Jib Capacity<br>Pounds |                              |
| 180 Ft. BOOM                 |                      |                               |                        |                      |                               |                        |                      |                               |                        |                      |                               |                        |                              |
| 45                           | 80.6                 | 232.5                         | 18,000 *               |                      |                               |                        |                      |                               |                        |                      |                               |                        | 45                           |
| 50                           | 79.3                 | 231.5                         | 17,800 *               |                      |                               |                        |                      |                               |                        |                      |                               |                        | 50                           |
| 55                           | 78.0                 | 230.5                         | 17,600 *               | 79.8                 | 229.6                         | 17,600 *               |                      |                               |                        |                      |                               |                        | 55                           |
| 60                           | 76.8                 | 229.3                         | 17,400 *               | 78.5                 | 228.4                         | 17,400 *               | 80.2                 | 226.6                         | 16,400 *               |                      |                               |                        | 60                           |
| 65                           | 75.5                 | 228.0                         | 17,200 *               | 77.2                 | 227.1                         | 17,200 *               | 78.9                 | 225.3                         | 15,700 *               | 80.6                 | 222.4                         | 11,200 *               | 65                           |
| 70                           | 74.2                 | 226.5                         | 15,500 *               | 75.9                 | 225.7                         | 16,000 *               | 77.6                 | 223.8                         | 15,000 *               | 79.3                 | 220.9                         | 10,800 *               | 70                           |
| 75                           | 72.9                 | 225.0                         | 14,100 *               | 74.6                 | 224.1                         | 14,500 *               | 76.3                 | 222.3                         | 14,400 *               | 78.0                 | 219.3                         | 10,500 *               | 75                           |
| 80                           | 71.6                 | 223.3                         | 12,800 *               | 73.3                 | 222.4                         | 13,200 *               | 75.0                 | 220.6                         | 13,700 *               | 76.6                 | 217.6                         | 10,200 *               | 80                           |
| 90                           | 68.9                 | 219.5                         | 10,600 *               | 70.6                 | 218.6                         | 11,000 *               | 72.3                 | 216.7                         | 11,500 *               | 73.9                 | 213.7                         | 9,600 *                | 90                           |
| 100                          | 66.2                 | 215.2                         | 8,900 *                | 67.9                 | 214.3                         | 9,300 *                | 69.6                 | 212.4                         | 9,700 *                | 71.1                 | 209.3                         | 9,100 *                | 100                          |
| 110                          | 63.5                 | 210.4                         | 7,500 *                | 65.1                 | 209.4                         | 7,900 *                | 66.8                 | 207.4                         | 8,200 *                | 68.3                 | 204.3                         | 8,600 *                | 110                          |
| 120                          | 60.6                 | 204.9                         | 6,300 *                | 62.3                 | 203.9                         | 6,700 *                | 63.9                 | 201.9                         | 7,000 *                | 65.4                 | 198.6                         | 7,400 *                | 120                          |
| 130                          | 57.7                 | 198.7                         | 5,300 *                | 59.4                 | 197.7                         | 5,600 *                | 60.9                 | 195.6                         | 5,900 *                | 62.4                 | 192.2                         | 6,300 *                | 130                          |
| 140                          | 54.7                 | 191.8                         | 4,400 *                | 56.3                 | 190.8                         | 4,700 *                | 57.9                 | 188.6                         | 5,000 *                |                      |                               |                        | 140                          |
| 150                          | 51.6                 | 184.1                         | 3,700 *                | 53.2                 | 183.0                         | 3,900 *                | 54.7                 | 180.7                         | 4,200 *                |                      |                               |                        | 150                          |
| 160                          | 48.3                 | 175.4                         | 3,000 *                | 49.9                 | 174.3                         | 3,200 *                | 51.3                 | 171.9                         | 3,500 *                |                      |                               |                        | 160                          |
| 190 Ft. BOOM                 |                      |                               |                        |                      |                               |                        |                      |                               |                        |                      |                               |                        |                              |
| 45                           | 81.0                 | 242.7                         | 16,900 *               |                      |                               |                        |                      |                               |                        |                      |                               |                        | 45                           |
| 50                           | 79.8                 | 241.7                         | 16,900 *               |                      |                               |                        |                      |                               |                        |                      |                               |                        | 50                           |
| 55                           | 78.6                 | 240.7                         | 16,700 *               | 80.2                 | 239.8                         | 17,000 *               |                      |                               |                        |                      |                               |                        | 55                           |
| 60                           | 77.3                 | 239.6                         | 16,700 *               | 79.0                 | 238.7                         | 16,900 *               | 80.7                 | 236.9                         | 16,600 *               |                      |                               |                        | 60                           |
| 65                           | 76.1                 | 238.3                         | 16,500 *               | 77.8                 | 237.4                         | 16,700 *               | 79.4                 | 235.6                         | 16,000 *               |                      |                               |                        | 65                           |
| 70                           | 74.9                 | 236.9                         | 14,900 *               | 76.5                 | 236.1                         | 15,500 *               | 78.2                 | 234.2                         | 15,300 *               | 79.8                 | 231.3                         | 10,900 *               | 70                           |
| 75                           | 73.6                 | 235.5                         | 13,500 *               | 75.3                 | 234.6                         | 14,000 *               | 76.9                 | 232.7                         | 14,600 *               | 78.5                 | 229.8                         | 10,600 *               | 75                           |
| 80                           | 72.4                 | 233.9                         | 12,200 *               | 74.0                 | 233.0                         | 12,700 *               | 75.7                 | 231.1                         | 13,200 *               | 77.2                 | 228.1                         | 10,300 *               | 80                           |
| 90                           | 69.9                 | 230.3                         | 10,100 *               | 71.5                 | 229.4                         | 10,500 *               | 73.1                 | 227.5                         | 11,000 *               | 74.6                 | 224.4                         | 9,700 *                | 90                           |
| 100                          | 67.3                 | 226.2                         | 8,400 *                | 68.9                 | 225.3                         | 8,800 *                | 70.5                 | 223.3                         | 9,200 *                | 72.0                 | 220.2                         | 9,200 *                | 100                          |
| 110                          | 64.7                 | 221.6                         | 7,000 *                | 66.3                 | 220.6                         | 7,400 *                | 67.8                 | 218.6                         | 7,800 *                | 69.3                 | 215.5                         | 8,200 *                | 110                          |
| 120                          | 62.0                 | 216.4                         | 5,800 *                | 63.6                 | 215.4                         | 6,200 *                | 65.1                 | 213.4                         | 6,500 *                | 66.5                 | 210.1                         | 6,900 *                | 120                          |
| 130                          | 59.2                 | 210.5                         | 4,900 *                | 60.8                 | 209.5                         | 5,200 *                | 62.3                 | 207.5                         | 5,500 *                | 63.7                 | 204.1                         | 5,800 *                | 130                          |
| 140                          | 56.4                 | 204.0                         | 4,000 *                | 58.0                 | 203.0                         | 4,300 *                | 59.4                 | 200.9                         | 4,600 *                | 60.8                 | 197.4                         | 4,900 *                | 140                          |
| 150                          | 53.4                 | 196.8                         | 3,200 *                | 55.0                 | 195.7                         | 3,500 *                | 56.4                 | 193.5                         | 3,800 *                |                      |                               |                        | 150                          |
| 160                          |                      |                               |                        |                      |                               |                        | 53.3                 | 185.3                         | 3,100 *                |                      |                               |                        | 160                          |



# Liftcrane Jib Capacities

New York City Code

Jib No. 10 With 12 Ft. 6 in. Strut On

Boom No. 222 With Open Throat Top

63,300 Lb. Crane Counterweight

14,000 Lb. Crawler Frame Counterweight

22 Ft. 4 in. Crawlers Extended

360 Degree Rating

 Meets  
ANSI B30.5  
Requirements

## 222 SERIES B

## 222EX SERIES B

### 60 Ft. JIB

| Jib<br>Oper.<br>Rad.<br>Feet | 0 Degree Offset      |                               |                        | 10 Degree Offset     |                               |                        | 20 Degree Offset     |                               |                        | 30 Degree Offset     |                               |                        | Jib<br>Oper.<br>Rad.<br>Feet |
|------------------------------|----------------------|-------------------------------|------------------------|----------------------|-------------------------------|------------------------|----------------------|-------------------------------|------------------------|----------------------|-------------------------------|------------------------|------------------------------|
|                              | Boom<br>Ang.<br>Deg. | Jib<br>Point<br>Elev.<br>Feet | Jib Capacity<br>Pounds | Boom<br>Ang.<br>Deg. | Jib<br>Point<br>Elev.<br>Feet | Jib Capacity<br>Pounds | Boom<br>Ang.<br>Deg. | Jib<br>Point<br>Elev.<br>Feet | Jib Capacity<br>Pounds | Boom<br>Ang.<br>Deg. | Jib<br>Point<br>Elev.<br>Feet | Jib Capacity<br>Pounds |                              |
| 70 Ft. BOOM                  |                      |                               |                        |                      |                               |                        |                      |                               |                        |                      |                               |                        |                              |
| 30                           | 80.3                 | 133.6                         | 18,200 *               |                      |                               |                        |                      |                               |                        |                      |                               |                        | 30                           |
| 35                           | 78.0                 | 132.5                         | 17,800 *               |                      |                               |                        |                      |                               |                        |                      |                               |                        | 35                           |
| 40                           | 75.8                 | 131.1                         | 17,500 *               | 79.5                 | 130.4                         | 16,800 *               |                      |                               |                        |                      |                               |                        | 40                           |
| 45                           | 73.5                 | 129.6                         | 17,000 *               | 77.2                 | 128.8                         | 16,200 *               | 81.0                 | 127.3                         | 13,600 *               |                      |                               |                        | 45                           |
| 50                           | 71.2                 | 127.8                         | 16,400 *               | 74.8                 | 127.1                         | 15,500 *               | 78.6                 | 125.5                         | 12,500 *               |                      |                               |                        | 50                           |
| 55                           | 68.8                 | 125.8                         | 15,800 *               | 72.5                 | 125.0                         | 14,100 *               | 76.2                 | 123.5                         | 11,600 *               | 79.9                 | 120.9                         | 9,000 *                | 55                           |
| 60                           | 66.4                 | 123.6                         | 15,300 *               | 70.1                 | 122.8                         | 12,900 *               | 73.7                 | 121.2                         | 10,800 *               | 77.4                 | 118.5                         | 8,500 *                | 60                           |
| 65                           | 63.9                 | 121.1                         | 14,500 *               | 67.6                 | 120.3                         | 11,900 *               | 71.2                 | 118.6                         | 10,100 *               | 74.8                 | 115.9                         | 8,000 *                | 65                           |
| 70                           | 61.4                 | 118.3                         | 13,200 *               | 65.1                 | 117.5                         | 11,100 *               | 68.7                 | 115.8                         | 9,500 *                | 72.2                 | 113.0                         | 7,600 *                | 70                           |
| 75                           | 58.9                 | 115.2                         | 12,100 *               | 62.5                 | 114.4                         | 10,300 *               | 66.0                 | 112.6                         | 9,000 *                | 69.5                 | 109.8                         | 7,300 *                | 75                           |
| 80                           | 56.2                 | 111.8                         | 11,200 *               | 59.8                 | 110.9                         | 9,700 *                | 63.3                 | 109.1                         | 8,500 *                | 66.7                 | 106.2                         | 6,900 *                | 80                           |
| 90                           | 50.6                 | 103.9                         | 9,700 *                | 54.2                 | 102.9                         | 8,600 *                | 57.6                 | 101.0                         | 7,700 *                | 60.8                 | 97.8                          | 6,400 *                | 90                           |
| 100                          | 44.5                 | 94.1                          | 8,500 *                | 48.0                 | 93.1                          | 7,700 *                | 51.2                 | 90.9                          | 7,100 *                |                      |                               |                        | 100                          |
| 110                          | 37.6                 | 81.9                          | 7,600 *                |                      |                               |                        |                      |                               |                        |                      |                               |                        | 110                          |
| 80 Ft. BOOM                  |                      |                               |                        |                      |                               |                        |                      |                               |                        |                      |                               |                        |                              |
| 30                           | 81.0                 | 143.8                         | 17,900 *               |                      |                               |                        |                      |                               |                        |                      |                               |                        | 30                           |
| 35                           | 78.9                 | 142.7                         | 17,600 *               |                      |                               |                        |                      |                               |                        |                      |                               |                        | 35                           |
| 40                           | 76.8                 | 141.5                         | 17,300 *               | 80.3                 | 140.7                         | 16,800 *               |                      |                               |                        |                      |                               |                        | 40                           |
| 45                           | 74.7                 | 140.1                         | 17,000 *               | 78.1                 | 139.3                         | 16,300 *               |                      |                               |                        |                      |                               |                        | 45                           |
| 50                           | 72.6                 | 138.4                         | 16,600 *               | 76.0                 | 137.7                         | 15,800 *               | 79.5                 | 136.0                         | 12,900 *               |                      |                               |                        | 50                           |
| 55                           | 70.4                 | 136.6                         | 16,000 *               | 73.8                 | 135.8                         | 14,900 *               | 77.2                 | 134.1                         | 12,000 *               | 80.7                 | 131.5                         | 9,200 *                | 55                           |
| 60                           | 68.2                 | 134.5                         | 15,500 *               | 71.6                 | 133.7                         | 13,700 *               | 75.0                 | 132.0                         | 11,200 *               | 78.4                 | 129.3                         | 8,700 *                | 60                           |
| 65                           | 66.0                 | 132.3                         | 15,000 *               | 69.3                 | 131.4                         | 12,700 *               | 72.7                 | 129.7                         | 10,500 *               | 76.1                 | 126.9                         | 8,200 *                | 65                           |
| 70                           | 63.7                 | 129.7                         | 14,400 *               | 67.0                 | 128.9                         | 11,800 *               | 70.4                 | 127.1                         | 9,900 *                | 73.7                 | 124.3                         | 7,800 *                | 70                           |
| 75                           | 61.3                 | 126.9                         | 13,200 *               | 64.7                 | 126.1                         | 11,000 *               | 68.0                 | 124.3                         | 9,400 *                | 71.3                 | 121.4                         | 7,500 *                | 75                           |
| 80                           | 58.9                 | 123.9                         | 12,200 *               | 62.3                 | 123.0                         | 10,300 *               | 65.6                 | 121.1                         | 8,900 *                | 68.8                 | 118.1                         | 7,200 *                | 80                           |
| 90                           | 54.0                 | 116.8                         | 10,500 *               | 57.3                 | 115.9                         | 9,100 *                | 60.5                 | 113.9                         | 8,100 *                | 63.5                 | 110.7                         | 6,600 *                | 90                           |
| 100                          | 48.6                 | 108.3                         | 9,300 *                | 51.9                 | 107.3                         | 8,200 *                | 54.9                 | 105.1                         | 7,400 *                |                      |                               |                        | 100                          |
| 110                          | 42.8                 | 98.0                          | 8,300 *                | 45.9                 | 96.8                          | 7,500 *                |                      |                               |                        |                      |                               |                        | 110                          |
| 120                          | 36.1                 | 85.0                          | 7,400 *                |                      |                               |                        |                      |                               |                        |                      |                               |                        | 120                          |
| 90 Ft. BOOM                  |                      |                               |                        |                      |                               |                        |                      |                               |                        |                      |                               |                        |                              |
| 35                           | 79.7                 | 153.0                         | 17,400 *               |                      |                               |                        |                      |                               |                        |                      |                               |                        | 35                           |
| 40                           | 77.7                 | 151.8                         | 17,200 *               | 80.9                 | 151.0                         | 16,700 *               |                      |                               |                        |                      |                               |                        | 40                           |
| 45                           | 75.7                 | 150.5                         | 16,900 *               | 79.0                 | 149.7                         | 16,300 *               |                      |                               |                        |                      |                               |                        | 45                           |
| 50                           | 73.8                 | 149.0                         | 16,600 *               | 77.0                 | 148.2                         | 15,900 *               | 80.2                 | 146.5                         | 13,300 *               |                      |                               |                        | 50                           |
| 55                           | 71.8                 | 147.3                         | 16,200 *               | 74.9                 | 146.4                         | 15,500 *               | 78.2                 | 144.7                         | 12,400 *               |                      |                               |                        | 55                           |
| 60                           | 69.7                 | 145.4                         | 15,700 *               | 72.9                 | 144.5                         | 14,400 *               | 76.1                 | 142.8                         | 11,600 *               | 79.3                 | 140.0                         | 8,800 *                | 60                           |
| 65                           | 67.7                 | 143.3                         | 15,200 *               | 70.8                 | 142.4                         | 13,300 *               | 74.0                 | 140.6                         | 10,900 *               | 77.1                 | 137.8                         | 8,400 *                | 65                           |
| 70                           | 65.6                 | 140.9                         | 14,800 *               | 68.7                 | 140.1                         | 12,400 *               | 71.8                 | 138.3                         | 10,300 *               | 74.9                 | 135.3                         | 8,000 *                | 70                           |
| 75                           | 63.4                 | 138.4                         | 14,300 *               | 66.6                 | 137.5                         | 11,600 *               | 69.7                 | 135.7                         | 9,700 *                | 72.7                 | 132.7                         | 7,700 *                | 75                           |
| 80                           | 61.2                 | 135.6                         | 13,200 *               | 64.4                 | 134.7                         | 10,900 *               | 67.4                 | 132.8                         | 9,200 *                | 70.4                 | 129.8                         | 7,300 *                | 80                           |
| 90                           | 56.7                 | 129.2                         | 11,400 *               | 59.8                 | 128.2                         | 9,700 *                | 62.8                 | 126.3                         | 8,400 *                | 65.7                 | 123.0                         | 6,800 *                | 90                           |
| 100                          | 52.0                 | 121.6                         | 10,000 *               | 55.0                 | 120.6                         | 8,700 *                | 57.9                 | 118.5                         | 7,700 *                | 60.7                 | 115.0                         | 6,300 *                | 100                          |
| 110                          | 46.8                 | 112.6                         | 8,900 *                | 49.8                 | 111.5                         | 7,900 *                | 52.6                 | 109.1                         | 7,200 *                |                      |                               |                        | 110                          |
| 120                          | 41.2                 | 101.6                         | 8,000 *                | 44.1                 | 100.4                         | 7,300 *                |                      |                               |                        |                      |                               |                        | 120                          |
| 130                          | 34.8                 | 88.1                          | 7,300 *                |                      |                               |                        |                      |                               |                        |                      |                               |                        | 130                          |

# Liftcrane Jib Capacities

New York City Code  
Jib No. 10 With 12 Ft. 6 in. Strut On  
Boom No. 222 With Open Throat Top  
63,300 Lb. Crane Counterweight  
14,000 Lb. Crawler Frame Counterweight  
22 Ft. 4 in. Crawlers Extended  
360 Degree Rating

Meets  
ANSI B30.5  
Requirements

## 222 SERIES B 222EX SERIES B

### 60 Ft. JIB

| Jib<br>Oper.<br>Rad.<br>Feet | 0 Degree Offset      |                               |                        | 10 Degree Offset     |                               |                        | 20 Degree Offset     |                               |                        | 30 Degree Offset     |                               |                        | Jib<br>Oper.<br>Rad.<br>Feet |
|------------------------------|----------------------|-------------------------------|------------------------|----------------------|-------------------------------|------------------------|----------------------|-------------------------------|------------------------|----------------------|-------------------------------|------------------------|------------------------------|
|                              | Boom<br>Ang.<br>Deg. | Jib<br>Point<br>Elev.<br>Feet | Jib Capacity<br>Pounds | Boom<br>Ang.<br>Deg. | Jib<br>Point<br>Elev.<br>Feet | Jib Capacity<br>Pounds | Boom<br>Ang.<br>Deg. | Jib<br>Point<br>Elev.<br>Feet | Jib Capacity<br>Pounds | Boom<br>Ang.<br>Deg. | Jib<br>Point<br>Elev.<br>Feet | Jib Capacity<br>Pounds |                              |
| 100 Ft. BOOM                 |                      |                               |                        |                      |                               |                        |                      |                               |                        |                      |                               |                        |                              |
| 35                           | 80.3                 | 163.2                         | 17,200 *               |                      |                               |                        |                      |                               |                        |                      |                               |                        | 35                           |
| 40                           | 78.5                 | 162.1                         | 17,000 *               |                      |                               |                        |                      |                               |                        |                      |                               |                        | 40                           |
| 45                           | 76.7                 | 160.9                         | 16,700 *               | 79.7                 | 160.0                         | 16,300 *               |                      |                               |                        |                      |                               |                        | 45                           |
| 50                           | 74.8                 | 159.4                         | 16,400 *               | 77.8                 | 158.6                         | 15,900 *               | 80.8                 | 156.8                         | 13,600 *               |                      |                               |                        | 50                           |
| 55                           | 72.9                 | 157.9                         | 16,100 *               | 75.9                 | 157.0                         | 15,500 *               | 78.9                 | 155.2                         | 12,700 *               |                      |                               |                        | 55                           |
| 60                           | 71.0                 | 156.1                         | 15,800 *               | 74.0                 | 155.2                         | 15,100 *               | 77.0                 | 153.4                         | 11,900 *               | 80.0                 | 150.5                         | 9,000 *                | 60                           |
| 65                           | 69.1                 | 154.1                         | 15,300 *               | 72.1                 | 153.3                         | 14,000 *               | 75.1                 | 151.4                         | 11,200 *               | 78.0                 | 148.5                         | 8,600 *                | 65                           |
| 70                           | 67.2                 | 152.0                         | 14,900 *               | 70.1                 | 151.1                         | 13,000 *               | 73.1                 | 149.2                         | 10,600 *               | 76.0                 | 146.2                         | 8,200 *                | 70                           |
| 75                           | 65.2                 | 149.6                         | 14,500 *               | 68.2                 | 148.7                         | 12,200 *               | 71.1                 | 146.8                         | 10,100 *               | 74.0                 | 143.8                         | 7,800 *                | 75                           |
| 80                           | 63.2                 | 147.0                         | 14,100 *               | 66.1                 | 146.1                         | 11,400 *               | 69.0                 | 144.2                         | 9,600 *                | 71.9                 | 141.1                         | 7,500 *                | 80                           |
| 90                           | 59.1                 | 141.2                         | 12,300 *               | 62.0                 | 140.2                         | 10,200 *               | 64.8                 | 138.2                         | 8,700 *                | 67.5                 | 135.0                         | 7,000 *                | 90                           |
| 100                          | 54.8                 | 134.3                         | 10,800 *               | 57.6                 | 133.3                         | 9,200 *                | 60.4                 | 131.2                         | 8,000 *                | 63.0                 | 127.8                         | 6,500 *                | 100                          |
| 110                          | 50.2                 | 126.2                         | 9,600 *                | 53.0                 | 125.1                         | 8,400 *                | 55.7                 | 122.9                         | 7,400 *                |                      |                               |                        | 110                          |
| 120                          | 45.2                 | 116.6                         | 8,600 *                | 48.0                 | 115.5                         | 7,700 *                | 50.6                 | 113.0                         | 7,000 *                |                      |                               |                        | 120                          |
| 130                          | 39.8                 | 105.2                         | 7,900 *                | 42.5                 | 103.8                         | 7,100 *                |                      |                               |                        |                      |                               |                        | 130                          |
| 140                          | 33.6                 | 91.0                          | 7,100 *                |                      |                               |                        |                      |                               |                        |                      |                               |                        | 140                          |
| 110 Ft. BOOM                 |                      |                               |                        |                      |                               |                        |                      |                               |                        |                      |                               |                        |                              |
| 35                           | 80.9                 | 173.3                         | 16,900 *               |                      |                               |                        |                      |                               |                        |                      |                               |                        | 35                           |
| 40                           | 79.2                 | 172.3                         | 16,700 *               |                      |                               |                        |                      |                               |                        |                      |                               |                        | 40                           |
| 45                           | 77.5                 | 171.2                         | 16,500 *               | 80.3                 | 170.3                         | 16,200 *               |                      |                               |                        |                      |                               |                        | 45                           |
| 50                           | 75.7                 | 169.9                         | 16,200 *               | 78.5                 | 169.0                         | 15,800 *               |                      |                               |                        |                      |                               |                        | 50                           |
| 55                           | 74.0                 | 168.4                         | 15,900 *               | 76.8                 | 167.5                         | 15,500 *               | 79.6                 | 165.7                         | 13,000 *               |                      |                               |                        | 55                           |
| 60                           | 72.2                 | 166.7                         | 15,700 *               | 75.0                 | 165.8                         | 15,200 *               | 77.8                 | 164.0                         | 12,200 *               | 80.7                 | 161.0                         | 9,100 *                | 60                           |
| 65                           | 70.4                 | 164.9                         | 15,400 *               | 73.2                 | 164.0                         | 14,600 *               | 76.0                 | 162.1                         | 11,500 *               | 78.8                 | 159.1                         | 8,700 *                | 65                           |
| 70                           | 68.6                 | 162.9                         | 15,000 *               | 71.4                 | 162.0                         | 13,600 *               | 74.2                 | 160.1                         | 10,900 *               | 76.9                 | 157.0                         | 8,300 *                | 70                           |
| 75                           | 66.8                 | 160.7                         | 14,600 *               | 69.6                 | 159.8                         | 12,800 *               | 72.3                 | 157.8                         | 10,400 *               | 75.0                 | 154.8                         | 8,000 *                | 75                           |
| 80                           | 64.9                 | 158.3                         | 14,200 *               | 67.7                 | 157.4                         | 12,000 *               | 70.4                 | 155.4                         | 9,900 *                | 73.1                 | 152.3                         | 7,700 *                | 80                           |
| 90                           | 61.1                 | 152.9                         | 13,200 *               | 63.8                 | 151.9                         | 10,700 *               | 66.5                 | 149.9                         | 9,000 *                | 69.1                 | 146.6                         | 7,100 *                | 90                           |
| 100                          | 57.1                 | 146.6                         | 11,600 *               | 59.8                 | 145.6                         | 9,700 *                | 62.5                 | 143.5                         | 8,300 *                | 65.0                 | 140.0                         | 6,700 *                | 100                          |
| 110                          | 53.0                 | 139.2                         | 10,300 *               | 55.6                 | 138.2                         | 8,800 *                | 58.2                 | 135.9                         | 7,700 *                | 60.6                 | 132.3                         | 6,300 *                | 110                          |
| 120                          | 48.5                 | 130.7                         | 9,100                  | 51.2                 | 129.5                         | 8,100 *                | 53.7                 | 127.1                         | 7,200 *                |                      |                               |                        | 120                          |
| 130                          | 43.8                 | 120.6                         | 8,000                  | 46.4                 | 119.3                         | 7,500 *                |                      |                               |                        |                      |                               |                        | 130                          |
| 140                          | 38.5                 | 108.6                         | 7,100 *                | 41.1                 | 107.2                         | 7,000 *                |                      |                               |                        |                      |                               |                        | 140                          |
| 150                          | 32.5                 | 93.8                          | 5,900 *                |                      |                               |                        |                      |                               |                        |                      |                               |                        | 150                          |



# Liftcrane Jib Capacities

New York City Code

Jib No. 10 With 12 Ft. 6 in. Strut On

Boom No. 222 With Open Throat Top

63,300 Lb. Crane Counterweight

14,000 Lb. Crawler Frame Counterweight

22 Ft. 4 in. Crawlers Extended

360 Degree Rating

 Meets  
ANSI B30.5  
Requirements

## 222 SERIES B

## 222EX SERIES B

### 60 Ft. JIB

| Jib<br>Oper.<br>Rad.<br>Feet | 0 Degree Offset      |                               |                        | 10 Degree Offset     |                               |                        | 20 Degree Offset     |                               |                        | 30 Degree Offset     |                               |                        | Jib<br>Oper.<br>Rad.<br>Feet |
|------------------------------|----------------------|-------------------------------|------------------------|----------------------|-------------------------------|------------------------|----------------------|-------------------------------|------------------------|----------------------|-------------------------------|------------------------|------------------------------|
|                              | Boom<br>Ang.<br>Deg. | Jib<br>Point<br>Elev.<br>Feet | Jib Capacity<br>Pounds | Boom<br>Ang.<br>Deg. | Jib<br>Point<br>Elev.<br>Feet | Jib Capacity<br>Pounds | Boom<br>Ang.<br>Deg. | Jib<br>Point<br>Elev.<br>Feet | Jib Capacity<br>Pounds | Boom<br>Ang.<br>Deg. | Jib<br>Point<br>Elev.<br>Feet | Jib Capacity<br>Pounds |                              |
| 120 Ft. BOOM                 |                      |                               |                        |                      |                               |                        |                      |                               |                        |                      |                               |                        |                              |
| 40                           | 79.8                 | 182.5                         | 16,400 *               |                      |                               |                        |                      |                               |                        |                      |                               |                        | 40                           |
| 45                           | 78.2                 | 181.5                         | 16,200 *               | 80.8                 | 180.6                         | 16,100 *               |                      |                               |                        |                      |                               |                        | 45                           |
| 50                           | 76.5                 | 180.2                         | 16,000 *               | 79.2                 | 179.3                         | 15,800 *               |                      |                               |                        |                      |                               |                        | 50                           |
| 55                           | 74.9                 | 178.8                         | 15,800 *               | 77.5                 | 177.9                         | 15,400 *               | 80.2                 | 176.0                         | 13,300 *               |                      |                               |                        | 55                           |
| 60                           | 73.2                 | 177.3                         | 15,500 *               | 75.9                 | 176.4                         | 15,100 *               | 78.5                 | 174.5                         | 12,500 *               |                      |                               |                        | 60                           |
| 65                           | 71.5                 | 175.6                         | 15,300 *               | 74.2                 | 174.6                         | 14,800 *               | 76.8                 | 172.7                         | 11,800 *               | 79.5                 | 169.7                         | 8,800 *                | 65                           |
| 70                           | 69.9                 | 173.7                         | 15,000 *               | 72.5                 | 172.7                         | 14,200 *               | 75.1                 | 170.8                         | 11,200 *               | 77.7                 | 167.7                         | 8,400 *                | 70                           |
| 75                           | 68.1                 | 171.6                         | 14,700 *               | 70.8                 | 170.7                         | 13,300 *               | 73.4                 | 168.7                         | 10,700 *               | 75.9                 | 165.6                         | 8,100 *                | 75                           |
| 80                           | 66.4                 | 169.4                         | 14,300 *               | 69.0                 | 168.4                         | 12,500 *               | 71.6                 | 166.5                         | 10,200 *               | 74.1                 | 163.3                         | 7,800 *                | 80                           |
| 90                           | 62.9                 | 164.4                         | 13,600                 | 65.5                 | 163.4                         | 11,200 *               | 68.0                 | 161.3                         | 9,300 *                | 70.5                 | 158.0                         | 7,300 *                | 90                           |
| 100                          | 59.2                 | 158.5                         | 11,600                 | 61.8                 | 157.5                         | 10,100 *               | 64.3                 | 155.4                         | 8,600 *                | 66.6                 | 152.0                         | 6,800 *                | 100                          |
| 110                          | 55.4                 | 151.8                         | 10,100                 | 57.9                 | 150.7                         | 9,200 *                | 60.3                 | 148.5                         | 8,000 *                | 62.6                 | 144.9                         | 6,400 *                | 110                          |
| 120                          | 51.3                 | 144.0                         | 8,800                  | 53.9                 | 142.9                         | 8,500 *                | 56.2                 | 140.5                         | 7,500 *                |                      |                               |                        | 120                          |
| 130                          | 47.1                 | 134.9                         | 7,800                  | 49.5                 | 133.7                         | 7,900 *                | 51.8                 | 131.2                         | 7,000 *                |                      |                               |                        | 130                          |
| 140                          | 42.5                 | 124.4                         | 6,800 *                | 44.9                 | 123.1                         | 7,000                  |                      |                               |                        |                      |                               |                        | 140                          |
| 150                          | 37.4                 | 111.9                         | 5,800 *                |                      |                               |                        |                      |                               |                        |                      |                               |                        | 150                          |
| 160                          | 31.6                 | 96.6                          | 4,800 *                |                      |                               |                        |                      |                               |                        |                      |                               |                        | 160                          |
| 130 Ft. BOOM                 |                      |                               |                        |                      |                               |                        |                      |                               |                        |                      |                               |                        |                              |
| 40                           | 80.3                 | 192.7                         | 16,100 *               |                      |                               |                        |                      |                               |                        |                      |                               |                        | 40                           |
| 45                           | 78.8                 | 191.7                         | 15,900 *               |                      |                               |                        |                      |                               |                        |                      |                               |                        | 45                           |
| 50                           | 77.3                 | 190.5                         | 15,700 *               | 79.8                 | 189.6                         | 15,600 *               |                      |                               |                        |                      |                               |                        | 50                           |
| 55                           | 75.7                 | 189.2                         | 15,500 *               | 78.2                 | 188.3                         | 15,300 *               | 80.8                 | 186.4                         | 13,500 *               |                      |                               |                        | 55                           |
| 60                           | 74.1                 | 187.8                         | 15,300 *               | 76.7                 | 186.8                         | 15,000 *               | 79.2                 | 184.9                         | 12,800 *               |                      |                               |                        | 60                           |
| 65                           | 72.6                 | 186.1                         | 15,100 *               | 75.1                 | 185.2                         | 14,800 *               | 77.6                 | 183.3                         | 12,100 *               | 80.1                 | 180.1                         | 8,900 *                | 65                           |
| 70                           | 71.0                 | 184.4                         | 14,800 *               | 73.5                 | 183.4                         | 14,500 *               | 76.0                 | 181.5                         | 11,500 *               | 78.4                 | 178.3                         | 8,600 *                | 70                           |
| 75                           | 69.4                 | 182.4                         | 14,700 *               | 71.8                 | 181.5                         | 13,900 *               | 74.3                 | 179.5                         | 10,900 *               | 76.8                 | 176.3                         | 8,200 *                | 75                           |
| 80                           | 67.7                 | 180.4                         | 14,300 *               | 70.2                 | 179.4                         | 13,100 *               | 72.7                 | 177.4                         | 10,400 *               | 75.1                 | 174.1                         | 7,900 *                | 80                           |
| 90                           | 64.4                 | 175.7                         | 13,300                 | 66.9                 | 174.7                         | 11,700 *               | 69.3                 | 172.6                         | 9,600 *                | 71.6                 | 169.3                         | 7,400 *                | 90                           |
| 100                          | 61.0                 | 170.2                         | 11,400                 | 63.4                 | 169.2                         | 10,600 *               | 65.8                 | 167.1                         | 8,800 *                | 68.1                 | 163.6                         | 7,000 *                | 100                          |
| 110                          | 57.4                 | 164.0                         | 9,800                  | 59.9                 | 162.9                         | 9,600 *                | 62.2                 | 160.7                         | 8,200 *                | 64.4                 | 157.1                         | 6,600 *                | 110                          |
| 120                          | 53.7                 | 156.8                         | 8,600                  | 56.1                 | 155.7                         | 8,800                  | 58.4                 | 153.3                         | 7,700 *                | 60.5                 | 149.6                         | 6,200 *                | 120                          |
| 130                          | 49.9                 | 148.6                         | 7,500                  | 52.2                 | 147.4                         | 7,700                  | 54.4                 | 144.9                         | 7,300 *                |                      |                               |                        | 130                          |
| 140                          | 45.7                 | 139.1                         | 6,500 *                | 48.0                 | 137.8                         | 6,800                  | 50.2                 | 135.2                         | 6,900 *                |                      |                               |                        | 140                          |
| 150                          | 41.2                 | 128.1                         | 5,600 *                | 43.5                 | 126.7                         | 5,900 *                |                      |                               |                        |                      |                               |                        | 150                          |
| 160                          | 36.3                 | 115.1                         | 4,700 *                |                      |                               |                        |                      |                               |                        |                      |                               |                        | 160                          |



# Liftcrane Jib Capacities

New York City Code  
Jib No. 10 With 12 Ft. 6 in. Strut On  
Boom No. 222 With Open Throat Top  
63,300 Lb. Crane Counterweight  
14,000 Lb. Crawler Frame Counterweight  
22 Ft. 4 in. Crawlers Extended  
360 Degree Rating

Meets  
ANSI B30.5  
Requirements

## 222 SERIES B 222EX SERIES B

### 60 Ft. JIB

| Jib<br>Oper.<br>Rad.<br>Feet | 0 Degree Offset      |                               |                        | 10 Degree Offset     |                               |                        | 20 Degree Offset     |                               |                        | 30 Degree Offset     |                               |                        | Jib<br>Oper.<br>Rad.<br>Feet |
|------------------------------|----------------------|-------------------------------|------------------------|----------------------|-------------------------------|------------------------|----------------------|-------------------------------|------------------------|----------------------|-------------------------------|------------------------|------------------------------|
|                              | Boom<br>Ang.<br>Deg. | Jib<br>Point<br>Elev.<br>Feet | Jib Capacity<br>Pounds | Boom<br>Ang.<br>Deg. | Jib<br>Point<br>Elev.<br>Feet | Jib Capacity<br>Pounds | Boom<br>Ang.<br>Deg. | Jib<br>Point<br>Elev.<br>Feet | Jib Capacity<br>Pounds | Boom<br>Ang.<br>Deg. | Jib<br>Point<br>Elev.<br>Feet | Jib Capacity<br>Pounds |                              |
| 140 Ft. BOOM                 |                      |                               |                        |                      |                               |                        |                      |                               |                        |                      |                               |                        |                              |
| 40                           | 80.8                 | 202.9                         | 15,800 *               |                      |                               |                        |                      |                               |                        |                      |                               |                        | 40                           |
| 45                           | 79.4                 | 201.9                         | 15,500 *               |                      |                               |                        |                      |                               |                        |                      |                               |                        | 45                           |
| 50                           | 77.9                 | 200.8                         | 15,400 *               | 80.3                 | 199.9                         | 15,500 *               |                      |                               |                        |                      |                               |                        | 50                           |
| 55                           | 76.4                 | 199.6                         | 15,200 *               | 78.8                 | 198.6                         | 15,200 *               |                      |                               |                        |                      |                               |                        | 55                           |
| 60                           | 74.9                 | 198.2                         | 15,000 *               | 77.3                 | 197.3                         | 14,900 *               | 79.8                 | 195.3                         | 13,000 *               |                      |                               |                        | 60                           |
| 65                           | 73.5                 | 196.7                         | 14,800 *               | 75.8                 | 195.7                         | 14,700 *               | 78.2                 | 193.7                         | 12,300 *               | 80.6                 | 190.6                         | 9,000 *                | 65                           |
| 70                           | 72.0                 | 195.0                         | 14,600 *               | 74.3                 | 194.0                         | 14,400 *               | 76.7                 | 192.0                         | 11,700 *               | 79.1                 | 188.8                         | 8,700 *                | 70                           |
| 75                           | 70.4                 | 193.2                         | 14,500 *               | 72.8                 | 192.2                         | 14,100 *               | 75.2                 | 190.2                         | 11,200 *               | 77.5                 | 187.0                         | 8,400 *                | 75                           |
| 80                           | 68.9                 | 191.2                         | 14,300 *               | 71.3                 | 190.2                         | 13,600 *               | 73.6                 | 188.2                         | 10,700 *               | 75.9                 | 184.9                         | 8,100 *                | 80                           |
| 90                           | 65.8                 | 186.8                         | 12,900 *               | 68.1                 | 185.8                         | 12,200 *               | 70.4                 | 183.7                         | 9,800 *                | 72.7                 | 180.3                         | 7,500 *                | 90                           |
| 100                          | 62.6                 | 181.7                         | 11,100 *               | 64.9                 | 180.7                         | 11,000 *               | 67.2                 | 178.5                         | 9,100 *                | 69.3                 | 175.1                         | 7,100 *                | 100                          |
| 110                          | 59.3                 | 175.9                         | 9,600 *                | 61.6                 | 174.8                         | 9,900 *                | 63.8                 | 172.6                         | 8,500 *                | 65.9                 | 169.0                         | 6,700 *                | 110                          |
| 120                          | 55.8                 | 169.2                         | 8,300 *                | 58.1                 | 168.1                         | 8,600 *                | 60.3                 | 165.8                         | 7,900 *                | 62.3                 | 162.1                         | 6,400 *                | 120                          |
| 130                          | 52.3                 | 161.6                         | 7,200 *                | 54.5                 | 160.5                         | 7,500 *                | 56.6                 | 158.1                         | 7,500 *                |                      |                               |                        | 130                          |
| 140                          | 48.5                 | 153.0                         | 6,200 *                | 50.7                 | 151.8                         | 6,500 *                | 52.8                 | 149.2                         | 6,800                  |                      |                               |                        | 140                          |
| 150                          | 44.5                 | 143.1                         | 5,300 *                | 46.7                 | 141.8                         | 5,600 *                |                      |                               |                        |                      |                               |                        | 150                          |
| 160                          | 40.1                 | 131.7                         | 4,500 *                | 42.3                 | 130.2                         | 4,800 *                |                      |                               |                        |                      |                               |                        | 160                          |
| 170                          | 35.3                 | 118.2                         | 3,700 *                |                      |                               |                        |                      |                               |                        |                      |                               |                        | 170                          |
| 150 Ft. BOOM                 |                      |                               |                        |                      |                               |                        |                      |                               |                        |                      |                               |                        |                              |
| 45                           | 79.9                 | 212.1                         | 15,200 *               |                      |                               |                        |                      |                               |                        |                      |                               |                        | 45                           |
| 50                           | 78.5                 | 211.1                         | 15,000 *               | 80.8                 | 210.1                         | 15,200 *               |                      |                               |                        |                      |                               |                        | 50                           |
| 55                           | 77.1                 | 209.9                         | 14,800 *               | 79.4                 | 208.9                         | 15,100 *               |                      |                               |                        |                      |                               |                        | 55                           |
| 60                           | 75.7                 | 208.6                         | 14,700 *               | 78.0                 | 207.6                         | 14,800 *               | 80.3                 | 205.6                         | 13,200 *               |                      |                               |                        | 60                           |
| 65                           | 74.3                 | 207.1                         | 14,500 *               | 76.5                 | 206.2                         | 14,500 *               | 78.8                 | 204.2                         | 12,600 *               |                      |                               |                        | 65                           |
| 70                           | 72.8                 | 205.5                         | 14,300 *               | 75.1                 | 204.6                         | 14,300 *               | 77.4                 | 202.6                         | 12,000 *               | 79.6                 | 199.3                         | 8,800 *                | 70                           |
| 75                           | 71.4                 | 203.8                         | 14,100 *               | 73.7                 | 202.9                         | 14,100 *               | 75.9                 | 200.8                         | 11,400 *               | 78.1                 | 197.5                         | 8,500 *                | 75                           |
| 80                           | 70.0                 | 202.0                         | 14,000 *               | 72.2                 | 201.0                         | 13,800 *               | 74.4                 | 198.9                         | 10,900 *               | 76.6                 | 195.6                         | 8,200 *                | 80                           |
| 90                           | 67.0                 | 197.8                         | 12,300 *               | 69.2                 | 196.8                         | 12,600 *               | 71.4                 | 194.7                         | 10,100 *               | 73.6                 | 191.3                         | 7,600 *                | 90                           |
| 100                          | 64.0                 | 193.0                         | 10,600 *               | 66.2                 | 192.0                         | 10,900 *               | 68.4                 | 189.8                         | 9,300 *                | 70.5                 | 186.3                         | 7,200 *                | 100                          |
| 110                          | 60.9                 | 187.5                         | 9,100 *                | 63.1                 | 186.5                         | 9,400 *                | 65.2                 | 184.2                         | 8,700 *                | 67.2                 | 180.7                         | 6,800 *                | 110                          |
| 120                          | 57.7                 | 181.3                         | 7,800 *                | 59.9                 | 180.2                         | 8,200 *                | 62.0                 | 177.9                         | 8,200 *                | 63.9                 | 174.2                         | 6,500 *                | 120                          |
| 130                          | 54.4                 | 174.3                         | 6,700 *                | 56.5                 | 173.2                         | 7,100 *                | 58.6                 | 170.7                         | 7,400 *                | 60.4                 | 166.9                         | 6,200 *                | 130                          |
| 140                          | 50.9                 | 166.3                         | 5,800 *                | 53.0                 | 165.1                         | 6,100 *                | 55.0                 | 162.6                         | 6,400 *                |                      |                               |                        | 140                          |
| 150                          | 47.2                 | 157.3                         | 4,900 *                | 49.3                 | 156.1                         | 5,200 *                | 51.3                 | 153.4                         | 5,500 *                |                      |                               |                        | 150                          |
| 160                          | 43.3                 | 147.0                         | 4,200 *                | 45.4                 | 145.7                         | 4,500 *                |                      |                               |                        |                      |                               |                        | 160                          |
| 170                          | 39.1                 | 135.2                         | 3,400 *                | 41.1                 | 133.7                         | 3,700 *                |                      |                               |                        |                      |                               |                        | 170                          |



# Liftcrane Jib Capacities

New York City Code

Jib No. 10 With 12 Ft. 6 in. Strut On

Boom No. 222 With Open Throat Top

63,300 Lb. Crane Counterweight

14,000 Lb. Crawler Frame Counterweight

22 Ft. 4 in. Crawlers Extended

360 Degree Rating

 Meets  
ANSI B30.5  
Requirements

## 222 SERIES B

## 222EX SERIES B

### 60 Ft. JIB

| Jib<br>Oper.<br>Rad.<br>Feet | 0 Degree Offset      |                               |                        | 10 Degree Offset     |                               |                        | 20 Degree Offset     |                               |                        | 30 Degree Offset     |                               |                        | Jib<br>Oper.<br>Rad.<br>Feet |
|------------------------------|----------------------|-------------------------------|------------------------|----------------------|-------------------------------|------------------------|----------------------|-------------------------------|------------------------|----------------------|-------------------------------|------------------------|------------------------------|
|                              | Boom<br>Ang.<br>Deg. | Jib<br>Point<br>Elev.<br>Feet | Jib Capacity<br>Pounds | Boom<br>Ang.<br>Deg. | Jib<br>Point<br>Elev.<br>Feet | Jib Capacity<br>Pounds | Boom<br>Ang.<br>Deg. | Jib<br>Point<br>Elev.<br>Feet | Jib Capacity<br>Pounds | Boom<br>Ang.<br>Deg. | Jib<br>Point<br>Elev.<br>Feet | Jib Capacity<br>Pounds |                              |
| 160 Ft. BOOM                 |                      |                               |                        |                      |                               |                        |                      |                               |                        |                      |                               |                        |                              |
| 45                           | 80.3                 | 222.3                         | 14,800 *               |                      |                               |                        |                      |                               |                        |                      |                               |                        | 45                           |
| 50                           | 79.0                 | 221.3                         | 14,600 *               |                      |                               |                        |                      |                               |                        |                      |                               |                        | 50                           |
| 55                           | 77.7                 | 220.2                         | 14,500 *               | 79.9                 | 219.2                         | 14,700 *               |                      |                               |                        |                      |                               |                        | 55                           |
| 60                           | 76.3                 | 218.9                         | 14,300 *               | 78.5                 | 218.0                         | 14,600 *               | 80.7                 | 216.0                         | 13,400 *               |                      |                               |                        | 60                           |
| 65                           | 75.0                 | 217.6                         | 14,200 *               | 77.2                 | 216.6                         | 14,400 *               | 79.4                 | 214.6                         | 12,800 *               |                      |                               |                        | 65                           |
| 70                           | 73.6                 | 216.1                         | 14,000 *               | 75.8                 | 215.1                         | 14,100 *               | 78.0                 | 213.0                         | 12,200 *               | 80.1                 | 209.7                         | 8,900 *                | 70                           |
| 75                           | 72.3                 | 214.4                         | 13,800 *               | 74.4                 | 213.4                         | 13,900 *               | 76.6                 | 211.4                         | 11,700 *               | 78.7                 | 208.1                         | 8,600 *                | 75                           |
| 80                           | 70.9                 | 212.7                         | 13,700 *               | 73.1                 | 211.7                         | 13,700 *               | 75.2                 | 209.6                         | 11,200 *               | 77.3                 | 206.2                         | 8,300 *                | 80                           |
| 90                           | 68.1                 | 208.7                         | 11,700 *               | 70.3                 | 207.7                         | 12,100 *               | 72.4                 | 205.6                         | 10,300 *               | 74.4                 | 202.2                         | 7,800 *                | 90                           |
| 100                          | 65.3                 | 204.2                         | 9,900 *                | 67.4                 | 203.1                         | 10,300 *               | 69.5                 | 201.0                         | 9,500 *                | 71.5                 | 197.5                         | 7,300 *                | 100                          |
| 110                          | 62.3                 | 199.0                         | 8,500 *                | 64.5                 | 198.0                         | 8,800 *                | 66.5                 | 195.7                         | 8,900 *                | 68.4                 | 192.1                         | 6,900 *                | 110                          |
| 120                          | 59.3                 | 193.2                         | 7,200 *                | 61.4                 | 192.1                         | 7,600 *                | 63.4                 | 189.8                         | 7,900 *                | 65.3                 | 186.1                         | 6,600 *                | 120                          |
| 130                          | 56.2                 | 186.6                         | 6,200 *                | 58.3                 | 185.5                         | 6,500 *                | 60.3                 | 183.1                         | 6,900 *                | 62.1                 | 179.3                         | 6,300 *                | 130                          |
| 140                          | 53.0                 | 179.2                         | 5,300 *                | 55.1                 | 178.1                         | 5,600 *                | 57.0                 | 175.6                         | 5,900 *                |                      |                               |                        | 140                          |
| 150                          | 49.6                 | 170.9                         | 4,500 *                | 51.7                 | 169.7                         | 4,800 *                | 53.5                 | 167.1                         | 5,100 *                |                      |                               |                        | 150                          |
| 160                          | 46.1                 | 161.5                         | 3,700 *                | 48.1                 | 160.2                         | 4,000 *                |                      |                               |                        |                      |                               |                        | 160                          |
| 170                          | 42.3                 | 150.8                         | 3,100 *                | 44.2                 | 149.4                         | 3,300 *                |                      |                               |                        |                      |                               |                        | 170                          |
| 170 Ft. BOOM                 |                      |                               |                        |                      |                               |                        |                      |                               |                        |                      |                               |                        |                              |
| 45                           | 80.8                 | 232.5                         | 14,300 *               |                      |                               |                        |                      |                               |                        |                      |                               |                        | 45                           |
| 50                           | 79.5                 | 231.5                         | 14,100 *               |                      |                               |                        |                      |                               |                        |                      |                               |                        | 50                           |
| 55                           | 78.2                 | 230.4                         | 14,000 *               | 80.3                 | 229.5                         | 14,300 *               |                      |                               |                        |                      |                               |                        | 55                           |
| 60                           | 77.0                 | 229.3                         | 13,900 *               | 79.0                 | 228.3                         | 14,200 *               |                      |                               |                        |                      |                               |                        | 60                           |
| 65                           | 75.7                 | 227.9                         | 13,700 *               | 77.8                 | 227.0                         | 14,200 *               | 79.8                 | 224.9                         | 13,000 *               |                      |                               |                        | 65                           |
| 70                           | 74.4                 | 226.5                         | 13,600 *               | 76.5                 | 225.5                         | 14,000 *               | 78.5                 | 223.5                         | 12,400 *               | 80.6                 | 220.1                         | 8,900 *                | 70                           |
| 75                           | 73.1                 | 225.0                         | 13,400 *               | 75.1                 | 224.0                         | 13,800 *               | 77.2                 | 221.9                         | 11,900 *               | 79.2                 | 218.5                         | 8,600 *                | 75                           |
| 80                           | 71.8                 | 223.3                         | 13,200 *               | 73.8                 | 222.3                         | 13,500 *               | 75.9                 | 220.2                         | 11,400 *               | 77.9                 | 216.8                         | 8,400 *                | 80                           |
| 90                           | 69.1                 | 219.5                         | 11,100 *               | 71.2                 | 218.5                         | 11,500 *               | 73.2                 | 216.4                         | 10,500 *               | 75.2                 | 212.9                         | 7,900 *                | 90                           |
| 100                          | 66.4                 | 215.2                         | 9,400 *                | 68.4                 | 214.2                         | 9,800 *                | 70.4                 | 212.0                         | 9,800 *                | 72.4                 | 208.5                         | 7,400 *                | 100                          |
| 110                          | 63.6                 | 210.3                         | 8,000 *                | 65.7                 | 209.3                         | 8,300 *                | 67.6                 | 207.0                         | 8,700 *                | 69.5                 | 203.4                         | 7,000 *                | 110                          |
| 120                          | 60.8                 | 204.8                         | 6,800 *                | 62.8                 | 203.8                         | 7,100 *                | 64.8                 | 201.5                         | 7,500 *                | 66.6                 | 197.8                         | 6,700 *                | 120                          |
| 130                          | 57.9                 | 198.7                         | 5,700 *                | 59.9                 | 197.5                         | 6,100 *                | 61.8                 | 195.2                         | 6,400 *                | 63.5                 | 191.3                         | 6,400 *                | 130                          |
| 140                          | 54.9                 | 191.8                         | 4,800 *                | 56.9                 | 190.6                         | 5,200 *                | 58.7                 | 188.1                         | 5,500 *                | 60.4                 | 184.2                         | 5,800 *                | 140                          |
| 150                          | 51.7                 | 184.0                         | 4,100 *                | 53.7                 | 182.8                         | 4,400 *                | 55.5                 | 180.2                         | 4,700 *                |                      |                               |                        | 150                          |
| 160                          | 48.4                 | 175.4                         | 3,300 *                | 50.4                 | 174.1                         | 3,600 *                | 52.1                 | 171.4                         | 3,900 *                |                      |                               |                        | 160                          |
| 170                          |                      |                               |                        | 46.9                 | 164.2                         | 3,000 *                |                      |                               |                        |                      |                               |                        | 170                          |

# Liftcrane Jib Capacities

New York City Code  
Jib No. 10 With 12 Ft. 6 in. Strut On  
Boom No. 222 With Open Throat Top  
63,300 Lb. Crane Counterweight  
14,000 Lb. Crawler Frame Counterweight  
22 Ft. 4 in. Crawlers Extended  
360 Degree Rating

Meets  
ANSI B30.5  
Requirements

## 222 SERIES B 222EX SERIES B

### 60 Ft. JIB

| Jib<br>Oper.<br>Rad.<br>Feet | 0 Degree Offset      |                               |                        | 10 Degree Offset     |                               |                        | 20 Degree Offset     |                               |                        | 30 Degree Offset     |                               |                        | Jib<br>Oper.<br>Rad.<br>Feet |
|------------------------------|----------------------|-------------------------------|------------------------|----------------------|-------------------------------|------------------------|----------------------|-------------------------------|------------------------|----------------------|-------------------------------|------------------------|------------------------------|
|                              | Boom<br>Ang.<br>Deg. | Jib<br>Point<br>Elev.<br>Feet | Jib Capacity<br>Pounds | Boom<br>Ang.<br>Deg. | Jib<br>Point<br>Elev.<br>Feet | Jib Capacity<br>Pounds | Boom<br>Ang.<br>Deg. | Jib<br>Point<br>Elev.<br>Feet | Jib Capacity<br>Pounds | Boom<br>Ang.<br>Deg. | Jib<br>Point<br>Elev.<br>Feet | Jib Capacity<br>Pounds |                              |
| 180 Ft. BOOM                 |                      |                               |                        |                      |                               |                        |                      |                               |                        |                      |                               |                        |                              |
| 50                           | 79.9                 | 241.7                         | 13,700 *               |                      |                               |                        |                      |                               |                        |                      |                               |                        | 50                           |
| 55                           | 78.7                 | 240.7                         | 13,600 *               | 80.7                 | 239.7                         | 13,900 *               |                      |                               |                        |                      |                               |                        | 55                           |
| 60                           | 77.5                 | 239.5                         | 13,400 *               | 79.5                 | 238.6                         | 13,800 *               |                      |                               |                        |                      |                               |                        | 60                           |
| 65                           | 76.3                 | 238.3                         | 13,300 *               | 78.3                 | 237.3                         | 13,800 *               | 80.3                 | 235.2                         | 13,200 *               |                      |                               |                        | 65                           |
| 70                           | 75.0                 | 236.9                         | 13,100 *               | 77.0                 | 235.9                         | 13,700 *               | 79.0                 | 233.8                         | 12,600 *               | 81.0                 | 230.5                         | 9,000 *                | 70                           |
| 75                           | 73.8                 | 235.4                         | 13,100 *               | 75.8                 | 234.4                         | 13,500 *               | 77.8                 | 232.3                         | 12,100 *               | 79.7                 | 229.0                         | 8,700 *                | 75                           |
| 80                           | 72.6                 | 233.8                         | 12,700 *               | 74.5                 | 232.8                         | 13,200 *               | 76.5                 | 230.7                         | 11,600 *               | 78.4                 | 227.3                         | 8,400 *                | 80                           |
| 90                           | 70.0                 | 230.3                         | 10,500 *               | 72.0                 | 229.2                         | 11,000 *               | 73.9                 | 227.1                         | 10,700 *               | 75.8                 | 223.6                         | 7,900 *                | 90                           |
| 100                          | 67.5                 | 226.2                         | 8,800 *                | 69.4                 | 225.1                         | 9,300 *                | 71.3                 | 222.9                         | 9,700 *                | 73.2                 | 219.4                         | 7,500 *                | 100                          |
| 110                          | 64.8                 | 221.5                         | 7,400 *                | 66.8                 | 220.5                         | 7,800 *                | 68.7                 | 218.2                         | 8,300 *                | 70.5                 | 214.6                         | 7,100 *                | 110                          |
| 120                          | 62.1                 | 216.3                         | 6,300 *                | 64.1                 | 215.2                         | 6,700 *                | 65.9                 | 212.9                         | 7,000 *                | 67.7                 | 209.2                         | 6,800 *                | 120                          |
| 130                          | 59.4                 | 210.5                         | 5,300 *                | 61.3                 | 209.4                         | 5,600 *                | 63.1                 | 207.0                         | 6,000 *                | 64.8                 | 203.2                         | 6,400 *                | 130                          |
| 140                          | 56.6                 | 204.0                         | 4,400 *                | 58.5                 | 202.9                         | 4,700 *                | 60.3                 | 200.4                         | 5,100 *                | 61.9                 | 196.5                         | 5,400 *                | 140                          |
| 150                          | 53.6                 | 196.8                         | 3,600 *                | 55.5                 | 195.6                         | 4,000 *                | 57.3                 | 193.0                         | 4,300 *                |                      |                               |                        | 150                          |
| 160                          |                      |                               |                        | 52.4                 | 187.5                         | 3,300 *                | 54.1                 | 184.8                         | 3,500 *                |                      |                               |                        | 160                          |
| 190 Ft. BOOM                 |                      |                               |                        |                      |                               |                        |                      |                               |                        |                      |                               |                        |                              |
| 50                           | 80.3                 | 251.9                         | 13,100 *               |                      |                               |                        |                      |                               |                        |                      |                               |                        | 50                           |
| 55                           | 79.2                 | 250.9                         | 13,000 *               |                      |                               |                        |                      |                               |                        |                      |                               |                        | 55                           |
| 60                           | 78.0                 | 249.8                         | 12,900 *               | 79.9                 | 248.8                         | 13,400 *               |                      |                               |                        |                      |                               |                        | 60                           |
| 65                           | 76.8                 | 248.6                         | 12,800 *               | 78.8                 | 247.6                         | 13,300 *               | 80.7                 | 245.5                         | 13,000 *               |                      |                               |                        | 65                           |
| 70                           | 75.7                 | 247.3                         | 12,700 *               | 77.6                 | 246.3                         | 13,300 *               | 79.5                 | 244.2                         | 12,800 *               |                      |                               |                        | 70                           |
| 75                           | 74.5                 | 245.9                         | 12,600 *               | 76.4                 | 244.9                         | 13,200 *               | 78.3                 | 242.7                         | 12,300 *               | 80.2                 | 239.3                         | 8,800 *                | 75                           |
| 80                           | 73.3                 | 244.4                         | 12,100 *               | 75.2                 | 243.3                         | 12,600 *               | 77.1                 | 241.2                         | 11,800 *               | 78.9                 | 237.8                         | 8,500 *                | 80                           |
| 90                           | 70.9                 | 240.9                         | 10,000 *               | 72.8                 | 239.9                         | 10,500 *               | 74.6                 | 237.7                         | 10,900 *               | 76.4                 | 234.2                         | 8,000 *                | 90                           |
| 100                          | 68.4                 | 237.0                         | 8,300 *                | 70.3                 | 236.0                         | 8,800 *                | 72.1                 | 233.8                         | 9,300 *                | 73.9                 | 230.2                         | 7,600 *                | 100                          |
| 110                          | 65.9                 | 232.6                         | 6,900 *                | 67.8                 | 231.6                         | 7,400 *                | 69.6                 | 229.3                         | 7,800 *                | 71.3                 | 225.7                         | 7,200 *                | 110                          |
| 120                          | 63.4                 | 227.7                         | 5,800 *                | 65.2                 | 226.6                         | 6,200 *                | 67.0                 | 224.3                         | 6,600 *                | 68.7                 | 220.6                         | 6,900 *                | 120                          |
| 130                          | 60.7                 | 222.2                         | 4,800 *                | 62.6                 | 221.0                         | 5,200 *                | 64.4                 | 218.7                         | 5,600 *                | 66.0                 | 214.9                         | 5,900 *                | 130                          |
| 140                          | 58.1                 | 216.0                         | 3,900 *                | 59.9                 | 214.9                         | 4,300 *                | 61.6                 | 212.4                         | 4,600 *                | 63.2                 | 208.5                         | 5,000 *                | 140                          |
| 150                          | 55.3                 | 209.2                         | 3,200 *                | 57.1                 | 208.0                         | 3,500 *                | 58.8                 | 205.5                         | 3,900 *                | 60.4                 | 201.5                         | 4,200 *                | 150                          |
| 160                          |                      |                               |                        |                      |                               |                        | 55.9                 | 197.8                         | 3,100 *                |                      |                               |                        | 160                          |