

# Liftcrane Boom Capacities

## M250 SERIES 3

**Boom No. 44 With Heavy Lift Top**  
**112 810 kg Crane Counterweight**  
**54 430 kg Carbody Counterweight**  
**Rating Over Front of Blocked Crawlers**  
**No Travel - Limited Swing**

Meets  
ANSI B30.5  
Requirements

**LIFTING CAPACITIES:** Lifting capacities for various boom lengths and operating radii are for freely suspended loads and do not exceed 75% of a static tipping load over front of machine with crawlers blocked. Capacities based on structural competence are denoted by an asterisk (\*).

Upper boom point capacity for liftcrane service with single part whip line is 13 610 kg or 27 220 kg with two part whip line. In all cases, upper boom point capacities cannot exceed those listed for main boom capacity.

76.2m thru 91.4m boom lengths require only the middle three sheaves to be used on lower boom point. All other sheaves must be removed from lower boom point.

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

**OPERATING CONDITIONS:** Machine to operate in a level position on a firm uniformly supporting surface with gantry up and front tumbler properly blocked so that centerline of idler tumbler becomes tipping fulcrum. Travel drive must be

to rear of machine. Swing is limited to that sector shown on Operating Range Diagram **No. 7582-A**. Refer to boom rigging **No. 172610** or **No. 179809**, Wire Rope Specification chart **No. 7581-C**, and Counterweight Arrangement chart **No. 7692-A**. Crane operator judgment must be used to allow for dynamic load effects of swinging, hoisting or lowering, wind conditions, as well as adverse operating conditions and physical machine depreciation. Refer to operators manual for operating guidelines.

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

**BOOM POINT ELEVATION:** Boom point elevation is vertical distance from ground level to centerline of boom point shaft.

**MACHINE EQUIPMENT:** Machine equipped with 9 373 mm crawlers, 1 219 mm treads, 8 534 mm retractable gantry, 12 part boom hoist reeving, four 38 mm boom pendants or boom support straps, 112 810 kg crane counterweight, two 13 610 kg and four 6 800 kg carbody counterweights.

| Maximum Boom and Jib Lengths Lifted Unassisted Over Front of Blocked Crawlers |             |
|-------------------------------------------------------------------------------|-------------|
| Boom Length                                                                   | Jib No. 132 |
| 91.4m                                                                         | ---         |
| 88.4m                                                                         | ---         |
| 85.3m                                                                         | ---         |
| 82.3m                                                                         | ---         |
| 79.2m                                                                         | 24.4m       |
| 76.2m                                                                         | 36.6m       |
| Load block, hook and weight ball on ground at start.                          |             |

| Deduct From Capacities When Jib Is Attached |             |
|---------------------------------------------|-------------|
| Jib Length                                  | Jib No. 132 |
| 12.2m                                       | 2 900 kg    |
| 18.3m                                       | 3 720 kg    |
| 24.4m                                       | 4 670 kg    |
| 30.5m                                       | 5 810 kg    |
| 36.6m                                       | 6 940 kg    |

Consult jib chart for jib capacities. Upper boom point cannot be used when jib is attached.



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 No Travel - Limited Swing

Meets  
 ANSI B30.5  
 Requirements

| Oper.<br>Rad.<br>Meters    | Boom<br>Ang.<br>Deg. | Boom<br>Point<br>Elev.<br>Meters | Boom<br>Capacity<br>Kilograms |
|----------------------------|----------------------|----------------------------------|-------------------------------|
| <b>21.3m (70 Ft.) BOOM</b> |                      |                                  |                               |
| 5.5                        | 82.9                 | 23.5                             | 272 100 *                     |
| 6.0                        | 81.5                 | 23.4                             | 256 800 *                     |
| 6.5                        | 80.2                 | 23.3                             | 248 100 *                     |
| 7.0                        | 78.8                 | 23.2                             | 239 300 *                     |
| 7.5                        | 77.4                 | 23.1                             | 224 200 *                     |
| 8.0                        | 76.0                 | 22.9                             | 210 800 *                     |
| 8.5                        | 74.6                 | 22.8                             | 198 900 *                     |
| 9.0                        | 73.2                 | 22.6                             | 188 200 *                     |
| 10.0                       | 70.3                 | 22.2                             | 169 800 *                     |
| 11.0                       | 67.4                 | 21.8                             | 154 100 *                     |
| 12.0                       | 64.4                 | 21.3                             | 135 900 *                     |
| 13.0                       | 61.3                 | 20.7                             | 121 200 *                     |
| 14.0                       | 58.1                 | 20.1                             | 109 000 *                     |
| 15.0                       | 54.8                 | 19.4                             | 98 600 *                      |
| 16.0                       | 51.4                 | 18.5                             | 89 700 *                      |
| 18.0                       | 43.8                 | 16.6                             | 74 700 *                      |
| 20.0                       | 34.8                 | 13.9                             | 59 300 *                      |
| <b>24.4m (80 Ft.) BOOM</b> |                      |                                  |                               |
| 6.1                        | 82.4                 | 26.5                             | 238 700 *                     |
| 6.5                        | 81.4                 | 26.4                             | 237 100 *                     |
| 7.0                        | 80.2                 | 26.3                             | 235 200 *                     |
| 7.5                        | 79.0                 | 26.2                             | 224 400 *                     |
| 8.0                        | 77.8                 | 26.1                             | 210 500 *                     |
| 8.5                        | 76.6                 | 26.0                             | 198 600 *                     |
| 9.0                        | 75.4                 | 25.8                             | 188 000 *                     |
| 10.0                       | 72.9                 | 25.5                             | 169 600 *                     |
| 11.0                       | 70.4                 | 25.1                             | 154 400 *                     |
| 12.0                       | 67.8                 | 24.7                             | 139 800 *                     |
| 13.0                       | 65.2                 | 24.2                             | 124 400 *                     |
| 14.0                       | 62.6                 | 23.7                             | 111 900 *                     |
| 15.0                       | 59.8                 | 23.1                             | 101 400 *                     |
| 16.0                       | 57.0                 | 22.4                             | 92 400 *                      |
| 18.0                       | 51.1                 | 20.8                             | 77 800 *                      |
| 20.0                       | 44.5                 | 18.9                             | 66 500 *                      |
| 22.0                       | 37.0                 | 16.4                             | 55 800 *                      |
| 24.0                       | 27.6                 | 13.0                             | 44 100 *                      |

| Oper.<br>Rad.<br>Meters     | Boom<br>Ang.<br>Deg. | Boom<br>Point<br>Elev.<br>Meters | Boom<br>Capacity<br>Kilograms |
|-----------------------------|----------------------|----------------------------------|-------------------------------|
| <b>27.4m (90 Ft.) BOOM</b>  |                      |                                  |                               |
| 6.4                         | 82.6                 | 29.5                             | 226 100 *                     |
| 6.5                         | 82.4                 | 29.5                             | 225 700 *                     |
| 7.0                         | 81.3                 | 29.4                             | 223 400 *                     |
| 7.5                         | 80.3                 | 29.3                             | 221 100 *                     |
| 8.0                         | 79.2                 | 29.2                             | 210 400 *                     |
| 8.5                         | 78.1                 | 29.1                             | 198 400 *                     |
| 9.0                         | 77.0                 | 29.0                             | 187 800 *                     |
| 10.0                        | 74.9                 | 28.7                             | 169 400 *                     |
| 11.0                        | 72.7                 | 28.4                             | 154 200 *                     |
| 12.0                        | 70.4                 | 28.0                             | 141 400 *                     |
| 13.0                        | 68.2                 | 27.6                             | 127 400 *                     |
| 14.0                        | 65.9                 | 27.1                             | 114 600 *                     |
| 15.0                        | 63.5                 | 26.6                             | 103 900 *                     |
| 16.0                        | 61.1                 | 26.0                             | 94 700 *                      |
| 18.0                        | 56.1                 | 24.7                             | 80 000 *                      |
| 20.0                        | 50.8                 | 23.1                             | 68 600 *                      |
| 22.0                        | 45.0                 | 21.2                             | 59 400 *                      |
| 24.0                        | 38.5                 | 18.8                             | 51 600 *                      |
| <b>30.5m (100 Ft.) BOOM</b> |                      |                                  |                               |
| 6.7                         | 82.8                 | 32.6                             | 217 400 *                     |
| 7.0                         | 82.2                 | 32.5                             | 216 000 *                     |
| 7.5                         | 81.2                 | 32.4                             | 213 900 *                     |
| 8.0                         | 80.3                 | 32.3                             | 210 700 *                     |
| 8.5                         | 79.3                 | 32.2                             | 198 100 *                     |
| 9.0                         | 78.4                 | 32.1                             | 187 400 *                     |
| 10.0                        | 76.4                 | 31.9                             | 169 100 *                     |
| 11.0                        | 74.5                 | 31.6                             | 153 900 *                     |
| 12.0                        | 72.5                 | 31.2                             | 141 100 *                     |
| 13.0                        | 70.5                 | 30.9                             | 129 800 *                     |
| 14.0                        | 68.5                 | 30.5                             | 116 900 *                     |
| 15.0                        | 66.4                 | 30.0                             | 106 000 *                     |
| 16.0                        | 64.3                 | 29.5                             | 96 600 *                      |
| 18.0                        | 60.0                 | 28.4                             | 81 600 *                      |
| 20.0                        | 55.4                 | 27.0                             | 70 000 *                      |
| 22.0                        | 50.6                 | 25.4                             | 60 800 *                      |
| 24.0                        | 45.4                 | 23.5                             | 53 300 *                      |
| 26.0                        | 39.7                 | 21.2                             | 46 900 *                      |
| 28.0                        | 33.1                 | 18.3                             | 40 500 *                      |

| Oper.<br>Rad.<br>Meters     | Boom<br>Ang.<br>Deg. | Boom<br>Point<br>Elev.<br>Meters | Boom<br>Capacity<br>Kilograms |
|-----------------------------|----------------------|----------------------------------|-------------------------------|
| <b>33.5m (110 Ft.) BOOM</b> |                      |                                  |                               |
| 7.0                         | 82.9                 | 35.6                             | 169 800 *                     |
| 7.5                         | 82.0                 | 35.5                             | 167 900 *                     |
| 8.0                         | 81.2                 | 35.4                             | 166 200 *                     |
| 8.5                         | 80.3                 | 35.3                             | 164 500 *                     |
| 9.0                         | 79.4                 | 35.2                             | 162 900 *                     |
| 10.0                        | 77.7                 | 35.0                             | 160 000 *                     |
| 11.0                        | 75.9                 | 34.7                             | 153 800 *                     |
| 12.0                        | 74.1                 | 34.4                             | 140 900 *                     |
| 13.0                        | 72.3                 | 34.1                             | 129 900 *                     |
| 14.0                        | 70.5                 | 33.8                             | 119 300 *                     |
| 15.0                        | 68.7                 | 33.3                             | 108 200 *                     |
| 16.0                        | 66.8                 | 32.9                             | 98 600 *                      |
| 18.0                        | 63.0                 | 31.9                             | 83 300 *                      |
| 20.0                        | 59.0                 | 30.7                             | 71 600 *                      |
| 22.0                        | 54.9                 | 29.3                             | 62 200 *                      |
| 24.0                        | 50.5                 | 27.7                             | 54 500 *                      |
| 26.0                        | 45.8                 | 25.8                             | 48 200 *                      |
| 28.0                        | 40.6                 | 23.6                             | 42 800 *                      |
| 30.0                        | 34.9                 | 20.9                             | 37 800 *                      |
| 32.0                        | 28.0                 | 17.4                             | 31 700 *                      |
| <b>36.6m (120 Ft.) BOOM</b> |                      |                                  |                               |
| 7.3                         | 83.0                 | 38.6                             | 164 900 *                     |
| 7.5                         | 82.7                 | 38.6                             | 164 300 *                     |
| 8.0                         | 81.9                 | 38.5                             | 162 600 *                     |
| 8.5                         | 81.1                 | 38.4                             | 161 000 *                     |
| 9.0                         | 80.3                 | 38.3                             | 159 500 *                     |
| 10.0                        | 78.7                 | 38.1                             | 156 800 *                     |
| 11.0                        | 77.1                 | 37.9                             | 153 500 *                     |
| 12.0                        | 75.5                 | 37.6                             | 140 200 *                     |
| 13.0                        | 73.9                 | 37.3                             | 127 700 *                     |
| 14.0                        | 72.2                 | 37.0                             | 117 000 *                     |
| 15.0                        | 70.5                 | 36.6                             | 108 000 *                     |
| 16.0                        | 68.9                 | 36.2                             | 99 800 *                      |
| 18.0                        | 65.4                 | 35.3                             | 84 500 *                      |
| 20.0                        | 61.9                 | 34.3                             | 72 600 *                      |
| 22.0                        | 58.2                 | 33.1                             | 63 100 *                      |
| 24.0                        | 54.4                 | 31.7                             | 55 400 *                      |
| 26.0                        | 50.4                 | 30.0                             | 49 000 *                      |
| 28.0                        | 46.1                 | 28.2                             | 43 500 *                      |
| 30.0                        | 41.4                 | 26.0                             | 38 900 *                      |
| 32.0                        | 36.3                 | 23.4                             | 34 800 *                      |
| 34.0                        | 30.3                 | 20.1                             | 30 400 *                      |

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**No Travel - Limited Swing**

**Meets  
ANSI B30.5  
Requirements**

| Oper.<br>Rad.<br>Meters     | Boom<br>Ang.<br>Deg. | Boom<br>Point<br>Elev.<br>Meters | Boom<br>Capacity<br>Kilograms |
|-----------------------------|----------------------|----------------------------------|-------------------------------|
| <b>39.6m (130 Ft.) BOOM</b> |                      |                                  |                               |
| 7.9                         | 82.7                 | 41.6                             | 159 000 *                     |
| 8.0                         | 82.6                 | 41.6                             | 158 800 *                     |
| 8.5                         | 81.8                 | 41.5                             | 157 300 *                     |
| 9.0                         | 81.1                 | 41.4                             | 155 900 *                     |
| 10.0                        | 79.6                 | 41.3                             | 153 300 *                     |
| 11.0                        | 78.1                 | 41.0                             | 150 900 *                     |
| 12.0                        | 76.6                 | 40.8                             | 138 000 *                     |
| 13.0                        | 75.1                 | 40.5                             | 125 500 *                     |
| 14.0                        | 73.6                 | 40.2                             | 115 200 *                     |
| 15.0                        | 72.1                 | 39.9                             | 106 400 *                     |
| 16.0                        | 70.6                 | 39.5                             | 98 800 *                      |
| 18.0                        | 67.4                 | 38.7                             | 85 700 *                      |
| 20.0                        | 64.2                 | 37.7                             | 73 700 *                      |
| 22.0                        | 60.9                 | 36.6                             | 64 200 *                      |
| 24.0                        | 57.5                 | 35.4                             | 56 400 *                      |
| 26.0                        | 54.0                 | 34.0                             | 49 900 *                      |
| 28.0                        | 50.3                 | 32.3                             | 44 400 *                      |
| 30.0                        | 46.3                 | 30.5                             | 39 800 *                      |
| 32.0                        | 42.0                 | 28.3                             | 35 700 *                      |
| 34.0                        | 37.4                 | 25.8                             | 32 100 *                      |
| 36.0                        | 32.2                 | 22.8                             | 28 700 *                      |
| 38.0                        | 25.9                 | 19.0                             | 24 300 *                      |
| <b>42.7m (140 Ft.) BOOM</b> |                      |                                  |                               |
| 8.2                         | 82.8                 | 44.7                             | 155 000 *                     |
| 8.5                         | 82.4                 | 44.6                             | 154 300 *                     |
| 9.0                         | 81.7                 | 44.5                             | 152 900 *                     |
| 10.0                        | 80.4                 | 44.4                             | 150 500 *                     |
| 11.0                        | 79.0                 | 44.2                             | 148 200 *                     |
| 12.0                        | 77.6                 | 43.9                             | 135 100 *                     |
| 13.0                        | 76.2                 | 43.7                             | 122 900 *                     |
| 14.0                        | 74.8                 | 43.4                             | 112 800 *                     |
| 15.0                        | 73.4                 | 43.1                             | 104 200 *                     |
| 16.0                        | 72.0                 | 42.8                             | 96 800 *                      |
| 18.0                        | 69.1                 | 42.0                             | 84 600 *                      |
| 20.0                        | 66.2                 | 41.1                             | 74 600 *                      |
| 22.0                        | 63.2                 | 40.1                             | 64 800 *                      |
| 24.0                        | 60.1                 | 39.0                             | 56 900 *                      |
| 26.0                        | 56.9                 | 37.7                             | 50 400 *                      |
| 28.0                        | 53.6                 | 36.3                             | 44 900 *                      |
| 30.0                        | 50.2                 | 34.6                             | 40 200 *                      |
| 32.0                        | 46.5                 | 32.8                             | 36 200 *                      |
| 34.0                        | 42.6                 | 30.7                             | 32 600 *                      |
| 36.0                        | 38.3                 | 28.2                             | 29 400 *                      |
| 38.0                        | 33.6                 | 25.3                             | 26 600 *                      |

| Oper.<br>Rad.<br>Meters     | Boom<br>Ang.<br>Deg. | Boom<br>Point<br>Elev.<br>Meters | Boom<br>Capacity<br>Kilograms |
|-----------------------------|----------------------|----------------------------------|-------------------------------|
| <b>45.7m (150 Ft.) BOOM</b> |                      |                                  |                               |
| 8.5                         | 82.9                 | 47.7                             | 137 100 *                     |
| 9.0                         | 82.3                 | 47.6                             | 135 800 *                     |
| 10.0                        | 81.0                 | 47.5                             | 133 100 *                     |
| 11.0                        | 79.7                 | 47.3                             | 130 700 *                     |
| 12.0                        | 78.5                 | 47.1                             | 128 400 *                     |
| 13.0                        | 77.2                 | 46.8                             | 121 200 *                     |
| 14.0                        | 75.9                 | 46.6                             | 110 900 *                     |
| 15.0                        | 74.6                 | 46.3                             | 102 400 *                     |
| 16.0                        | 73.3                 | 46.0                             | 95 100 *                      |
| 18.0                        | 70.6                 | 45.3                             | 83 200 *                      |
| 20.0                        | 67.9                 | 44.5                             | 73 800 *                      |
| 22.0                        | 65.2                 | 43.6                             | 65 600 *                      |
| 24.0                        | 62.3                 | 42.5                             | 57 500 *                      |
| 26.0                        | 59.4                 | 41.4                             | 51 000 *                      |
| 28.0                        | 56.4                 | 40.0                             | 45 400 *                      |
| 30.0                        | 53.3                 | 38.6                             | 40 700 *                      |
| 32.0                        | 50.1                 | 36.9                             | 36 600 *                      |
| 34.0                        | 46.7                 | 35.1                             | 33 000 *                      |
| 36.0                        | 43.0                 | 33.0                             | 29 900 *                      |
| 38.0                        | 39.1                 | 30.6                             | 27 000 *                      |
| 40.0                        | 34.9                 | 27.8                             | 24 500 *                      |
| 42.0                        | 30.1                 | 24.6                             | 21 900 *                      |
| <b>48.8m (160 Ft.) BOOM</b> |                      |                                  |                               |
| 8.8                         | 83.0                 | 50.7                             | 132 400 *                     |
| 9.0                         | 82.8                 | 50.7                             | 132 000 *                     |
| 10.0                        | 81.6                 | 50.6                             | 129 600 *                     |
| 11.0                        | 80.4                 | 50.4                             | 127 400 *                     |
| 12.0                        | 79.2                 | 50.2                             | 125 400 *                     |
| 13.0                        | 78.0                 | 50.0                             | 119 300 *                     |
| 14.0                        | 76.8                 | 49.7                             | 109 100 *                     |
| 15.0                        | 75.6                 | 49.4                             | 100 700 *                     |
| 16.0                        | 74.3                 | 49.2                             | 93 500 *                      |
| 18.0                        | 71.9                 | 48.5                             | 81 800 *                      |
| 20.0                        | 69.4                 | 47.8                             | 72 500 *                      |
| 22.0                        | 66.8                 | 46.9                             | 64 900 *                      |
| 24.0                        | 64.2                 | 46.0                             | 58 000 *                      |
| 26.0                        | 61.5                 | 44.9                             | 51 400 *                      |
| 28.0                        | 58.8                 | 43.7                             | 45 800 *                      |
| 30.0                        | 56.0                 | 42.4                             | 41 000 *                      |
| 32.0                        | 53.1                 | 40.9                             | 36 900 *                      |
| 34.0                        | 50.0                 | 39.2                             | 33 300 *                      |
| 36.0                        | 46.8                 | 37.4                             | 30 100 *                      |
| 38.0                        | 43.4                 | 35.3                             | 27 300 *                      |
| 40.0                        | 39.8                 | 33.0                             | 24 800 *                      |
| 42.0                        | 35.9                 | 30.3                             | 22 400 *                      |
| 44.0                        | 31.6                 | 27.2                             | 20 300 *                      |

| Oper.<br>Rad.<br>Meters     | Boom<br>Ang.<br>Deg. | Boom<br>Point<br>Elev.<br>Meters | Boom<br>Capacity<br>Kilograms |
|-----------------------------|----------------------|----------------------------------|-------------------------------|
| <b>51.8m (170 Ft.) BOOM</b> |                      |                                  |                               |
| 9.1                         | 83.0                 | 53.8                             | 128 800 *                     |
| 10.0                        | 82.1                 | 53.6                             | 126 900 *                     |
| 11.0                        | 81.0                 | 53.5                             | 124 900 *                     |
| 12.0                        | 79.8                 | 53.3                             | 123 100 *                     |
| 13.0                        | 78.7                 | 53.1                             | 117 500 *                     |
| 14.0                        | 77.6                 | 52.9                             | 107 400 *                     |
| 15.0                        | 76.4                 | 52.6                             | 99 100 *                      |
| 16.0                        | 75.3                 | 52.3                             | 92 000 *                      |
| 18.0                        | 73.0                 | 51.7                             | 80 400 *                      |
| 20.0                        | 70.6                 | 51.0                             | 71 300 *                      |
| 22.0                        | 68.3                 | 50.2                             | 64 000 *                      |
| 24.0                        | 65.8                 | 49.4                             | 57 800 *                      |
| 26.0                        | 63.4                 | 48.4                             | 51 900 *                      |
| 28.0                        | 60.8                 | 47.3                             | 46 300 *                      |
| 30.0                        | 58.3                 | 46.0                             | 41 500 *                      |
| 32.0                        | 55.6                 | 44.7                             | 37 400 *                      |
| 34.0                        | 52.8                 | 43.2                             | 33 700 *                      |
| 36.0                        | 50.0                 | 41.5                             | 30 600 *                      |
| 38.0                        | 47.0                 | 39.7                             | 27 700 *                      |
| 40.0                        | 43.8                 | 37.7                             | 25 200 *                      |
| 42.0                        | 40.4                 | 35.4                             | 22 900 *                      |
| 44.0                        | 36.8                 | 32.8                             | 20 800 *                      |
| 46.0                        | 32.8                 | 29.8                             | 18 900 *                      |
| 48.0                        | 28.4                 | 26.3                             | 17 000 *                      |
| <b>54.9m (180 Ft.) BOOM</b> |                      |                                  |                               |
| 9.8                         | 82.8                 | 56.8                             | 124 500 *                     |
| 10.0                        | 82.5                 | 56.7                             | 124 000 *                     |
| 11.0                        | 81.5                 | 56.6                             | 122 200 *                     |
| 12.0                        | 80.4                 | 56.4                             | 120 600 *                     |
| 13.0                        | 79.3                 | 56.2                             | 115 400 *                     |
| 14.0                        | 78.3                 | 56.0                             | 105 500 *                     |
| 15.0                        | 77.2                 | 55.7                             | 97 300 *                      |
| 16.0                        | 76.1                 | 55.5                             | 90 300 *                      |
| 18.0                        | 74.0                 | 54.9                             | 78 900 *                      |
| 20.0                        | 71.8                 | 54.3                             | 69 900 *                      |
| 22.0                        | 69.5                 | 53.5                             | 62 700 *                      |
| 24.0                        | 67.3                 | 52.7                             | 56 700 *                      |
| 26.0                        | 65.0                 | 51.8                             | 51 600 *                      |
| 28.0                        | 62.6                 | 50.7                             | 46 600 *                      |
| 30.0                        | 60.2                 | 49.6                             | 41 600 *                      |
| 32.0                        | 57.8                 | 48.4                             | 37 500 *                      |
| 34.0                        | 55.2                 | 47.0                             | 33 900 *                      |
| 36.0                        | 52.6                 | 45.5                             | 30 700 *                      |
| 38.0                        | 49.9                 | 43.8                             | 27 800 *                      |
| 40.0                        | 47.1                 | 42.0                             | 25 300 *                      |
| 42.0                        | 44.1                 | 40.0                             | 23 000 *                      |
| 44.0                        | 41.0                 | 37.7                             | 20 900 *                      |
| 46.0                        | 37.6                 | 35.2                             | 19 000 *                      |
| 48.0                        | 33.9                 | 32.3                             | 17 300 *                      |
| 50.0                        | 29.9                 | 29.0                             | 15 600 *                      |

# Liftcrane Boom Capacities

## M-250 SERIES 3

**Boom No. 44 With Heavy Lift Top**  
**112 810 kg Crane Counterweight**  
**54 430 kg Carbody Counterweight**  
**Rating Over Front of Blocked Crawlers**  
**No Travel - Limited Swing**

**Meets  
ANSI B30.5  
Requirements**

| Oper.<br>Rad.<br>Meters     | Boom<br>Ang.<br>Deg. | Boom<br>Point<br>Elev.<br>Meters | Boom<br>Capacity<br>Kilograms |
|-----------------------------|----------------------|----------------------------------|-------------------------------|
| <b>57.9m (190 Ft.) BOOM</b> |                      |                                  |                               |
| 10.4                        | 82.6                 | 59.7                             | 109 400 *                     |
| 11.0                        | 81.9                 | 59.7                             | 108 200 *                     |
| 12.0                        | 80.9                 | 59.5                             | 106 500 *                     |
| 13.0                        | 79.9                 | 59.3                             | 104 900 *                     |
| 14.0                        | 78.9                 | 59.1                             | 103 100 *                     |
| 15.0                        | 77.9                 | 58.9                             | 96 100 *                      |
| 16.0                        | 76.9                 | 58.6                             | 89 000 *                      |
| 18.0                        | 74.8                 | 58.1                             | 77 700 *                      |
| 20.0                        | 72.8                 | 57.5                             | 68 800 *                      |
| 22.0                        | 70.7                 | 56.8                             | 61 600 *                      |
| 24.0                        | 68.5                 | 56.0                             | 55 700 *                      |
| 26.0                        | 66.4                 | 55.1                             | 50 700 *                      |
| 28.0                        | 64.2                 | 54.2                             | 46 300 *                      |
| 30.0                        | 61.9                 | 53.1                             | 42 000 *                      |
| 32.0                        | 59.7                 | 52.0                             | 37 700 *                      |
| 34.0                        | 57.3                 | 50.7                             | 34 100 *                      |
| 36.0                        | 54.9                 | 49.3                             | 30 800 *                      |
| 38.0                        | 52.4                 | 47.8                             | 28 000 *                      |
| 40.0                        | 49.9                 | 46.1                             | 25 400 *                      |
| 42.0                        | 47.2                 | 44.3                             | 23 100 *                      |
| 44.0                        | 44.4                 | 42.3                             | 21 100 *                      |
| 46.0                        | 41.4                 | 40.1                             | 19 200 *                      |
| 48.0                        | 38.3                 | 37.6                             | 17 400 *                      |
| 50.0                        | 34.9                 | 34.8                             | 15 800 *                      |
| 52.0                        | 31.2                 | 31.6                             | 14 300 *                      |
| <b>61.0m (200 Ft.) BOOM</b> |                      |                                  |                               |
| 10.4                        | 82.9                 | 62.8                             | 105 800 *                     |
| 11.0                        | 82.3                 | 62.7                             | 104 800 *                     |
| 12.0                        | 81.4                 | 62.6                             | 103 200 *                     |
| 13.0                        | 80.4                 | 62.4                             | 101 800 *                     |
| 14.0                        | 79.5                 | 62.2                             | 99 000 *                      |
| 15.0                        | 78.5                 | 62.0                             | 94 700 *                      |
| 16.0                        | 77.5                 | 61.8                             | 88 200 *                      |
| 18.0                        | 75.6                 | 61.3                             | 76 500 *                      |
| 20.0                        | 73.6                 | 60.7                             | 67 700 *                      |
| 22.0                        | 71.7                 | 60.0                             | 60 600 *                      |
| 24.0                        | 69.7                 | 59.3                             | 54 700 *                      |
| 26.0                        | 67.6                 | 58.5                             | 49 700 *                      |
| 28.0                        | 65.6                 | 57.6                             | 45 500 *                      |
| 30.0                        | 63.5                 | 56.6                             | 41 700 *                      |
| 32.0                        | 61.3                 | 55.5                             | 37 800 *                      |
| 34.0                        | 59.2                 | 54.3                             | 34 100 *                      |
| 36.0                        | 56.9                 | 53.0                             | 30 900 *                      |
| 38.0                        | 54.6                 | 51.6                             | 28 000 *                      |
| 40.0                        | 52.3                 | 50.1                             | 25 400 *                      |
| 42.0                        | 49.8                 | 48.4                             | 23 100 *                      |

| Oper.<br>Rad.<br>Meters     | Boom<br>Ang.<br>Deg. | Boom<br>Point<br>Elev.<br>Meters | Boom<br>Capacity<br>Kilograms |
|-----------------------------|----------------------|----------------------------------|-------------------------------|
| <b>61.0m (200 Ft.) BOOM</b> |                      |                                  |                               |
| 44.0                        | 47.3                 | 46.6                             | 21 100 *                      |
| 46.0                        | 44.6                 | 44.6                             | 19 200 *                      |
| 48.0                        | 41.8                 | 42.4                             | 17 400 *                      |
| 50.0                        | 38.9                 | 40.0                             | 15 800 *                      |
| 52.0                        | 35.7                 | 37.3                             | 14 300 *                      |
| 54.0                        | 32.3                 | 34.2                             | 13 000 *                      |
| 56.0                        | 28.5                 | 30.7                             | 11 600 *                      |
| <b>64.0m (210 Ft.) BOOM</b> |                      |                                  |                               |
| 11.0                        | 82.7                 | 65.8                             | 102 100 *                     |
| 12.0                        | 81.8                 | 65.7                             | 100 800 *                     |
| 13.0                        | 80.9                 | 65.5                             | 98 800 *                      |
| 14.0                        | 80.0                 | 65.3                             | 95 000 *                      |
| 15.0                        | 79.1                 | 65.1                             | 91 500 *                      |
| 16.0                        | 78.1                 | 64.9                             | 87 000 *                      |
| 18.0                        | 76.3                 | 64.4                             | 75 500 *                      |
| 20.0                        | 74.4                 | 63.9                             | 66 700 *                      |
| 22.0                        | 72.6                 | 63.2                             | 59 600 *                      |
| 24.0                        | 70.7                 | 62.5                             | 53 800 *                      |
| 26.0                        | 68.8                 | 61.8                             | 48 900 *                      |
| 28.0                        | 66.8                 | 60.9                             | 44 700 *                      |
| 30.0                        | 64.8                 | 60.0                             | 41 100 *                      |
| 32.0                        | 62.8                 | 59.0                             | 37 900 *                      |
| 34.0                        | 60.8                 | 57.9                             | 34 400 *                      |
| 36.0                        | 58.7                 | 56.7                             | 31 100 *                      |
| 38.0                        | 56.6                 | 55.4                             | 28 200 *                      |
| 40.0                        | 54.4                 | 53.9                             | 25 700 *                      |
| 42.0                        | 52.1                 | 52.4                             | 23 400 *                      |
| 44.0                        | 49.8                 | 50.7                             | 21 200 *                      |
| 46.0                        | 47.4                 | 48.9                             | 19 400 *                      |
| 48.0                        | 44.8                 | 46.9                             | 17 600 *                      |
| 50.0                        | 42.2                 | 44.8                             | 16 000 *                      |
| 52.0                        | 39.4                 | 42.4                             | 14 600 *                      |
| 54.0                        | 36.4                 | 39.7                             | 13 200 *                      |
| 56.0                        | 33.2                 | 36.8                             | 11 900 *                      |
| 58.0                        | 29.7                 | 33.4                             | 10 700 *                      |
| <b>67.1m (220 Ft.) BOOM</b> |                      |                                  |                               |
| 11.6                        | 82.5                 | 68.8                             | 98 500 *                      |
| 12.0                        | 82.2                 | 68.7                             | 97 700 *                      |
| 13.0                        | 81.3                 | 68.6                             | 94 400 *                      |
| 14.0                        | 80.4                 | 68.4                             | 90 800 *                      |
| 15.0                        | 79.6                 | 68.2                             | 87 500 *                      |
| 16.0                        | 78.7                 | 68.0                             | 83 800 *                      |
| 18.0                        | 76.9                 | 67.6                             | 74 400 *                      |
| 20.0                        | 75.2                 | 67.0                             | 65 400 *                      |
| 22.0                        | 73.4                 | 66.4                             | 58 500 *                      |
| 24.0                        | 71.6                 | 65.8                             | 52 800 *                      |
| 26.0                        | 69.8                 | 65.1                             | 48 000 *                      |
| 28.0                        | 67.9                 | 64.2                             | 43 800 *                      |
| 30.0                        | 66.1                 | 63.4                             | 40 200 *                      |
| 32.0                        | 64.2                 | 62.4                             | 37 000 *                      |
| 34.0                        | 62.2                 | 61.4                             | 34 200 *                      |

| Oper.<br>Rad.<br>Meters     | Boom<br>Ang.<br>Deg. | Boom<br>Point<br>Elev.<br>Meters | Boom<br>Capacity<br>Kilograms |
|-----------------------------|----------------------|----------------------------------|-------------------------------|
| <b>67.1m (220 Ft.) BOOM</b> |                      |                                  |                               |
| 36.0                        | 60.3                 | 60.2                             | 31 100 *                      |
| 38.0                        | 58.3                 | 59.0                             | 28 200 *                      |
| 40.0                        | 56.2                 | 57.7                             | 25 600 *                      |
| 42.0                        | 54.1                 | 56.3                             | 23 300 *                      |
| 44.0                        | 52.0                 | 54.7                             | 21 200 *                      |
| 46.0                        | 49.7                 | 53.0                             | 19 300 *                      |
| 48.0                        | 47.4                 | 51.2                             | 17 500 *                      |
| 50.0                        | 45.0                 | 49.3                             | 16 000 *                      |
| 52.0                        | 42.5                 | 47.1                             | 14 500 *                      |
| 54.0                        | 39.9                 | 44.8                             | 13 100 *                      |
| 56.0                        | 37.1                 | 42.2                             | 11 800 *                      |
| 58.0                        | 34.1                 | 39.3                             | 10 600 *                      |
| 60.0                        | 30.9                 | 36.1                             | 9 500 *                       |
| 62.0                        | 27.3                 | 32.4                             | 8 500 *                       |
| <b>70.1m (230 Ft.) BOOM</b> |                      |                                  |                               |
| 11.6                        | 82.9                 | 71.9                             | 87 600 *                      |
| 12.0                        | 82.5                 | 71.8                             | 87 100 *                      |
| 13.0                        | 81.7                 | 71.7                             | 85 900 *                      |
| 14.0                        | 80.9                 | 71.5                             | 84 800 *                      |
| 15.0                        | 80.0                 | 71.3                             | 82 400 *                      |
| 16.0                        | 79.2                 | 71.1                             | 79 600 *                      |
| 18.0                        | 77.5                 | 70.7                             | 73 000 *                      |
| 20.0                        | 75.8                 | 70.2                             | 64 600 *                      |
| 22.0                        | 74.1                 | 69.6                             | 57 600 *                      |
| 24.0                        | 72.4                 | 69.0                             | 51 900 *                      |
| 26.0                        | 70.7                 | 68.3                             | 47 100 *                      |
| 28.0                        | 68.9                 | 67.5                             | 43 000 *                      |
| 30.0                        | 67.2                 | 66.7                             | 39 500 *                      |
| 32.0                        | 65.4                 | 65.8                             | 36 300 *                      |
| 34.0                        | 63.6                 | 64.8                             | 33 600 *                      |
| 36.0                        | 61.7                 | 63.7                             | 31 000 *                      |
| 38.0                        | 59.8                 | 62.6                             | 28 200 *                      |
| 40.0                        | 57.9                 | 61.3                             | 25 600 *                      |
| 42.0                        | 55.9                 | 60.0                             | 23 300 *                      |
| 44.0                        | 53.9                 | 58.6                             | 21 200 *                      |
| 46.0                        | 51.8                 | 57.0                             | 19 200 *                      |
| 48.0                        | 49.7                 | 55.3                             | 17 500 *                      |
| 50.0                        | 47.5                 | 53.5                             | 15 900 *                      |
| 52.0                        | 45.2                 | 51.6                             | 14 400 *                      |
| 54.0                        | 42.8                 | 49.4                             | 13 100 *                      |
| 56.0                        | 40.3                 | 47.1                             | 11 800 *                      |
| 58.0                        | 37.7                 | 44.6                             | 10 700 *                      |
| 60.0                        | 34.9                 | 41.8                             | 9 500 *                       |
| 62.0                        | 31.8                 | 38.7                             | 8 500 *                       |
| 64.0                        | 28.5                 | 35.1                             | 7 500 *                       |



# Liftcrane Boom Capacities

## M-250 SERIES 3

**Boom No. 44 With Heavy Lift Top**  
**112 810 kg Crane Counterweight**  
**54 430 kg Carbody Counterweight**  
**Rating Over Front of Blocked Crawlers**  
**No Travel - Limited Swing**

**Meets**  
**ANSI B30.5**  
**Requirements**

| Oper.<br>Rad.<br>Meters     | Boom<br>Ang.<br>Deg. | Boom<br>Point<br>Elev.<br>Meters | Boom<br>Capacity<br>Kilograms |
|-----------------------------|----------------------|----------------------------------|-------------------------------|
| <b>73.2m (240 Ft.) BOOM</b> |                      |                                  |                               |
| 12.2                        | 82.7                 | 74.9                             | 84 200 *                      |
| 13.0                        | 82.0                 | 74.8                             | 83 300 *                      |
| 14.0                        | 81.2                 | 74.6                             | 80 900 *                      |
| 15.0                        | 80.4                 | 74.4                             | 78 300 *                      |
| 16.0                        | 79.6                 | 74.2                             | 75 600 *                      |
| 18.0                        | 78.0                 | 73.8                             | 70 500 *                      |
| 20.0                        | 76.4                 | 73.3                             | 63 500 *                      |
| 22.0                        | 74.8                 | 72.8                             | 56 500 *                      |
| 24.0                        | 73.2                 | 72.2                             | 50 900 *                      |
| 26.0                        | 71.5                 | 71.5                             | 46 100 *                      |
| 28.0                        | 69.9                 | 70.8                             | 42 100 *                      |
| 30.0                        | 68.2                 | 70.0                             | 38 600 *                      |
| 32.0                        | 66.5                 | 69.2                             | 35 500 *                      |
| 34.0                        | 64.7                 | 68.2                             | 32 800 *                      |
| 36.0                        | 63.0                 | 67.2                             | 30 300 *                      |
| 38.0                        | 61.2                 | 66.1                             | 28 000 *                      |
| 40.0                        | 59.4                 | 64.9                             | 25 500 *                      |
| 42.0                        | 57.5                 | 63.7                             | 23 100 *                      |
| 44.0                        | 55.6                 | 62.3                             | 21 000 *                      |
| 46.0                        | 53.7                 | 60.9                             | 19 100 *                      |
| 48.0                        | 51.7                 | 59.3                             | 17 400 *                      |
| 50.0                        | 49.7                 | 57.6                             | 15 800 *                      |
| 52.0                        | 47.6                 | 55.8                             | 14 300 *                      |
| 54.0                        | 45.4                 | 53.9                             | 12 900 *                      |
| 56.0                        | 43.1                 | 51.8                             | 11 700 *                      |
| 58.0                        | 40.7                 | 49.5                             | 10 500 *                      |
| 60.0                        | 38.2                 | 47.0                             | 9 400 *                       |
| 62.0                        | 35.6                 | 44.3                             | 8 400 *                       |
| 64.0                        | 32.7                 | 41.2                             | 7 400 *                       |
| 66.0                        | 29.6                 | 37.8                             | 6 400 *                       |
| 68.0                        | 26.2                 | 34.0                             | 5 600 *                       |
| <b>76.2m (250 Ft.) BOOM</b> |                      |                                  |                               |
| 12.2                        | 83.0                 | 78.0                             | 81 200 *                      |
| 13.0                        | 82.4                 | 77.8                             | 80 300 *                      |
| 14.0                        | 81.6                 | 77.7                             | 77 800 *                      |
| 15.0                        | 80.8                 | 77.5                             | 75 300 *                      |
| 16.0                        | 80.1                 | 77.3                             | 72 900 *                      |
| 18.0                        | 78.5                 | 76.9                             | 67 900 *                      |
| 20.0                        | 77.0                 | 76.5                             | 63 100 *                      |
| 22.0                        | 75.4                 | 76.0                             | 56 700 *                      |
| 24.0                        | 73.9                 | 75.4                             | 51 000 *                      |
| 26.0                        | 72.3                 | 74.8                             | 46 200 *                      |
| 28.0                        | 70.7                 | 74.1                             | 42 200 *                      |
| 30.0                        | 69.1                 | 73.3                             | 38 700 *                      |
| 32.0                        | 67.5                 | 72.5                             | 35 700 *                      |
| 34.0                        | 65.8                 | 71.6                             | 33 000 *                      |
| 36.0                        | 64.2                 | 70.6                             | 30 500 *                      |

| Oper.<br>Rad.<br>Meters     | Boom<br>Ang.<br>Deg. | Boom<br>Point<br>Elev.<br>Meters | Boom<br>Capacity<br>Kilograms |
|-----------------------------|----------------------|----------------------------------|-------------------------------|
| <b>76.2m (250 Ft.) BOOM</b> |                      |                                  |                               |
| 38.0                        | 62.5                 | 69.6                             | 28 400 *                      |
| 40.0                        | 60.7                 | 68.5                             | 26 300 *                      |
| 42.0                        | 59.0                 | 67.3                             | 23 900 *                      |
| 44.0                        | 57.2                 | 66.0                             | 21 800 *                      |
| 46.0                        | 55.4                 | 64.6                             | 19 900 *                      |
| 48.0                        | 53.5                 | 63.2                             | 18 100 *                      |
| 50.0                        | 51.6                 | 61.6                             | 16 500 *                      |
| 52.0                        | 49.6                 | 59.9                             | 15 100 *                      |
| 54.0                        | 47.6                 | 58.1                             | 13 700 *                      |
| 56.0                        | 45.5                 | 56.2                             | 12 400 *                      |
| 58.0                        | 43.4                 | 54.1                             | 11 200 *                      |
| 60.0                        | 41.1                 | 51.8                             | 10 200 *                      |
| 62.0                        | 38.7                 | 49.4                             | 9 100 *                       |
| 64.0                        | 36.2                 | 46.7                             | 8 200 *                       |
| 66.0                        | 33.5                 | 43.8                             | 7 300 *                       |
| 68.0                        | 30.6                 | 40.5                             | 6 500 *                       |
| 70.0                        | 27.5                 | 36.8                             | 5 600 *                       |
| <b>79.2m (260 Ft.) BOOM</b> |                      |                                  |                               |
| 12.8                        | 82.8                 | 81.0                             | 76 800 *                      |
| 13.0                        | 82.7                 | 80.9                             | 76 300 *                      |
| 14.0                        | 81.9                 | 80.8                             | 73 800 *                      |
| 15.0                        | 81.2                 | 80.6                             | 71 500 *                      |
| 16.0                        | 80.5                 | 80.4                             | 69 100 *                      |
| 18.0                        | 79.0                 | 80.1                             | 64 400 *                      |
| 20.0                        | 77.5                 | 79.6                             | 59 900 *                      |
| 22.0                        | 76.0                 | 79.1                             | 55 400 *                      |
| 24.0                        | 74.5                 | 78.6                             | 50 100 *                      |
| 26.0                        | 73.0                 | 78.0                             | 45 300 *                      |
| 28.0                        | 71.5                 | 77.3                             | 41 300 *                      |
| 30.0                        | 69.9                 | 76.6                             | 37 900 *                      |
| 32.0                        | 68.4                 | 75.8                             | 34 800 *                      |
| 34.0                        | 66.8                 | 74.9                             | 32 200 *                      |
| 36.0                        | 65.2                 | 74.0                             | 29 800 *                      |
| 38.0                        | 63.6                 | 73.0                             | 27 600 *                      |
| 40.0                        | 62.0                 | 72.0                             | 25 700 *                      |
| 42.0                        | 60.3                 | 70.8                             | 23 800 *                      |
| 44.0                        | 58.6                 | 69.6                             | 21 700 *                      |
| 46.0                        | 56.9                 | 68.3                             | 19 700 *                      |
| 48.0                        | 55.1                 | 67.0                             | 18 000 *                      |
| 50.0                        | 53.3                 | 65.5                             | 16 300 *                      |
| 52.0                        | 51.5                 | 63.9                             | 14 900 *                      |
| 54.0                        | 49.6                 | 62.2                             | 13 500 *                      |
| 56.0                        | 47.7                 | 60.4                             | 12 200 *                      |

| Oper.<br>Rad.<br>Meters     | Boom<br>Ang.<br>Deg. | Boom<br>Point<br>Elev.<br>Meters | Boom<br>Capacity<br>Kilograms |
|-----------------------------|----------------------|----------------------------------|-------------------------------|
| <b>79.2m (260 Ft.) BOOM</b> |                      |                                  |                               |
| 58.0                        | 45.7                 | 58.5                             | 11 100 *                      |
| 60.0                        | 43.6                 | 56.4                             | 10 000 *                      |
| 62.0                        | 41.4                 | 54.2                             | 8 900 *                       |
| 64.0                        | 39.1                 | 51.8                             | 8 000 *                       |
| 66.0                        | 36.8                 | 49.2                             | 7 100 *                       |
| 68.0                        | 34.2                 | 46.3                             | 6 200 *                       |
| 70.0                        | 31.5                 | 43.1                             | 5 400 *                       |
| 72.0                        | 28.6                 | 39.6                             | 4 700 *                       |
| <b>82.3m (270 Ft.) BOOM</b> |                      |                                  |                               |
| 13.4                        | 82.6                 | 83.9                             | 69 800 *                      |
| 14.0                        | 82.2                 | 83.9                             | 68 800 *                      |
| 15.0                        | 81.5                 | 83.7                             | 66 700 *                      |
| 16.0                        | 80.8                 | 83.5                             | 64 600 *                      |
| 18.0                        | 79.4                 | 83.2                             | 60 400 *                      |
| 20.0                        | 78.0                 | 82.7                             | 56 300 *                      |
| 22.0                        | 76.5                 | 82.3                             | 52 300 *                      |
| 24.0                        | 75.1                 | 81.7                             | 48 600 *                      |
| 26.0                        | 73.7                 | 81.2                             | 44 500 *                      |
| 28.0                        | 72.2                 | 80.5                             | 40 500 *                      |
| 30.0                        | 70.7                 | 79.8                             | 37 100 *                      |
| 32.0                        | 69.2                 | 79.1                             | 34 100 *                      |
| 34.0                        | 67.7                 | 78.3                             | 31 400 *                      |
| 36.0                        | 66.2                 | 77.4                             | 29 100 *                      |
| 38.0                        | 64.7                 | 76.4                             | 26 900 *                      |
| 40.0                        | 63.1                 | 75.4                             | 25 100 *                      |
| 42.0                        | 61.5                 | 74.4                             | 23 300 *                      |
| 44.0                        | 59.9                 | 73.2                             | 21 500 *                      |
| 46.0                        | 58.3                 | 72.0                             | 19 600 *                      |
| 48.0                        | 56.6                 | 70.7                             | 17 800 *                      |
| 50.0                        | 54.9                 | 69.3                             | 16 200 *                      |
| 52.0                        | 53.2                 | 67.8                             | 14 700 *                      |
| 54.0                        | 51.4                 | 66.2                             | 13 300 *                      |
| 56.0                        | 49.6                 | 64.5                             | 12 100 *                      |
| 58.0                        | 47.7                 | 62.7                             | 10 900 *                      |
| 60.0                        | 45.8                 | 60.8                             | 9 800 *                       |
| 62.0                        | 43.8                 | 58.8                             | 8 800 *                       |
| 64.0                        | 41.7                 | 56.5                             | 7 800 *                       |
| 66.0                        | 39.6                 | 54.2                             | 7 000 *                       |
| 68.0                        | 37.3                 | 51.6                             | 6 100 *                       |
| 70.0                        | 34.9                 | 48.8                             | 5 300 *                       |
| 72.0                        | 32.3                 | 45.7                             | 4 500 *                       |
| 74.0                        | 29.6                 | 42.3                             | 3 800 *                       |
| 76.0                        | 26.5                 | 38.4                             | 3 000 *                       |



# Liftcrane Boom Capacities

## M-250 SERIES 3

**Boom No. 44 With Heavy Lift Top**  
**112 810 kg Crane Counterweight**  
**54 430 kg Carbody Counterweight**  
**Rating Over Front of Blocked Crawlers**  
**No Travel - Limited Swing**

**Meets**  
**ANSI B30.5**  
**Requirements**

| Oper.<br>Rad.<br>Meters     | Boom<br>Ang.<br>Deg. | Boom<br>Point<br>Elev.<br>Meters | Boom<br>Capacity<br>Kilograms |
|-----------------------------|----------------------|----------------------------------|-------------------------------|
| <b>85.3m (280 Ft.) BOOM</b> |                      |                                  |                               |
| 13.4                        | 82.9                 | 87.0                             | 64 700 *                      |
| 14.0                        | 82.5                 | 86.9                             | 64 400 *                      |
| 15.0                        | 81.8                 | 86.8                             | 63 400 *                      |
| 16.0                        | 81.1                 | 86.6                             | 61 200 *                      |
| 18.0                        | 79.8                 | 86.3                             | 58 500 *                      |
| 20.0                        | 78.4                 | 85.9                             | 57 800 *                      |
| 22.0                        | 77.0                 | 85.4                             | 55 000 *                      |
| 24.0                        | 75.6                 | 84.9                             | 48 900 *                      |
| 26.0                        | 74.3                 | 84.3                             | 44 200 *                      |
| 28.0                        | 72.8                 | 83.7                             | 40 200 *                      |
| 30.0                        | 71.4                 | 83.1                             | 36 700 *                      |
| 32.0                        | 70.0                 | 82.3                             | 33 700 *                      |
| 34.0                        | 68.6                 | 81.6                             | 31 100 *                      |
| 36.0                        | 67.1                 | 80.7                             | 28 800 *                      |
| 38.0                        | 65.6                 | 79.8                             | 26 600 *                      |
| 40.0                        | 64.1                 | 78.9                             | 24 700 *                      |
| 42.0                        | 62.6                 | 77.8                             | 22 500 *                      |
| 44.0                        | 61.1                 | 76.7                             | 20 400 *                      |
| 46.0                        | 59.5                 | 75.6                             | 18 500 *                      |
| 48.0                        | 58.0                 | 74.3                             | 16 800 *                      |
| 50.0                        | 56.4                 | 73.0                             | 15 200 *                      |
| 52.0                        | 54.7                 | 71.6                             | 13 800 *                      |
| 54.0                        | 53.0                 | 70.1                             | 12 500 *                      |
| 56.0                        | 51.3                 | 68.5                             | 11 200 *                      |
| 58.0                        | 49.6                 | 66.8                             | 10 100 *                      |
| 60.0                        | 47.8                 | 65.0                             | 9 000 *                       |
| 62.0                        | 45.9                 | 63.1                             | 8 100 *                       |
| 64.0                        | 44.0                 | 61.1                             | 7 200 *                       |
| 66.0                        | 42.0                 | 58.9                             | 6 300 *                       |
| 68.0                        | 39.9                 | 56.5                             | 5 500 *                       |
| 70.0                        | 37.8                 | 54.0                             | 4 700 *                       |
| 72.0                        | 35.5                 | 51.2                             | 4 000 *                       |
| 74.0                        | 33.1                 | 48.2                             | 3 300 *                       |
| 76.0                        | 30.5                 | 44.9                             | 2 600 *                       |

| Oper.<br>Rad.<br>Meters     | Boom<br>Ang.<br>Deg. | Boom<br>Point<br>Elev.<br>Meters | Boom<br>Capacity<br>Kilograms |
|-----------------------------|----------------------|----------------------------------|-------------------------------|
| <b>88.4m (290 Ft.) BOOM</b> |                      |                                  |                               |
| 14.0                        | 82.7                 | 90.0                             | 59 800 *                      |
| 15.0                        | 82.1                 | 89.9                             | 59 400 *                      |
| 16.0                        | 81.5                 | 89.7                             | 59 000 *                      |
| 18.0                        | 80.1                 | 89.4                             | 58 000 *                      |
| 20.0                        | 78.8                 | 89.0                             | 56 000 *                      |
| 22.0                        | 77.5                 | 88.5                             | 53 200 *                      |
| 24.0                        | 76.2                 | 88.0                             | 48 400 *                      |
| 26.0                        | 74.8                 | 87.5                             | 43 600 *                      |
| 28.0                        | 73.5                 | 86.9                             | 39 600 *                      |
| 30.0                        | 72.1                 | 86.3                             | 36 200 *                      |
| 32.0                        | 70.7                 | 85.6                             | 33 200 *                      |
| 34.0                        | 69.3                 | 84.8                             | 30 600 *                      |
| 36.0                        | 67.9                 | 84.0                             | 28 300 *                      |
| 38.0                        | 66.5                 | 83.2                             | 26 100 *                      |
| 40.0                        | 65.1                 | 82.2                             | 24 200 *                      |
| 42.0                        | 63.7                 | 81.3                             | 22 400 *                      |
| 44.0                        | 62.2                 | 80.2                             | 20 300 *                      |
| 46.0                        | 60.7                 | 79.1                             | 18 400 *                      |
| 48.0                        | 59.2                 | 77.9                             | 16 700 *                      |
| 50.0                        | 57.7                 | 76.7                             | 15 100 *                      |
| 52.0                        | 56.1                 | 75.3                             | 13 700 *                      |
| 54.0                        | 54.5                 | 73.9                             | 12 400 *                      |
| 56.0                        | 52.9                 | 72.4                             | 11 200 *                      |
| 58.0                        | 51.3                 | 70.8                             | 10 000 *                      |
| 60.0                        | 49.6                 | 69.1                             | 9 000 *                       |
| 62.0                        | 47.8                 | 67.3                             | 8 000 *                       |
| 64.0                        | 46.0                 | 65.4                             | 7 100 *                       |
| 66.0                        | 44.2                 | 63.4                             | 6 200 *                       |
| 68.0                        | 42.3                 | 61.2                             | 5 400 *                       |
| 70.0                        | 40.3                 | 58.9                             | 4 600 *                       |
| 72.0                        | 38.2                 | 56.4                             | 3 900 *                       |
| 74.0                        | 36.0                 | 53.7                             | 3 200 *                       |
| 76.0                        | 33.7                 | 50.8                             | 2 600 *                       |

| Oper.<br>Rad.<br>Meters     | Boom<br>Ang.<br>Deg. | Boom<br>Point<br>Elev.<br>Meters | Boom<br>Capacity<br>Kilograms |
|-----------------------------|----------------------|----------------------------------|-------------------------------|
| <b>91.4m (300 Ft.) BOOM</b> |                      |                                  |                               |
| 14.0                        | 83.0                 | 93.1                             | 55 900 *                      |
| 15.0                        | 82.4                 | 93.0                             | 55 600 *                      |
| 16.0                        | 81.7                 | 92.8                             | 55 200 *                      |
| 18.0                        | 80.5                 | 92.5                             | 53 000 *                      |
| 20.0                        | 79.2                 | 92.1                             | 50 500 *                      |
| 22.0                        | 77.9                 | 91.7                             | 48 400 *                      |
| 24.0                        | 76.6                 | 91.2                             | 46 400 *                      |
| 26.0                        | 75.3                 | 90.7                             | 42 800 *                      |
| 28.0                        | 74.0                 | 90.1                             | 38 800 *                      |
| 30.0                        | 72.7                 | 89.5                             | 35 400 *                      |
| 32.0                        | 71.4                 | 88.8                             | 32 500 *                      |
| 34.0                        | 70.1                 | 88.1                             | 29 800 *                      |
| 36.0                        | 68.7                 | 87.3                             | 27 500 *                      |
| 38.0                        | 67.4                 | 86.5                             | 25 400 *                      |
| 40.0                        | 66.0                 | 85.6                             | 23 500 *                      |
| 42.0                        | 64.6                 | 84.7                             | 21 300 *                      |
| 44.0                        | 63.2                 | 83.7                             | 19 200 *                      |
| 46.0                        | 61.8                 | 82.6                             | 17 200 *                      |
| 48.0                        | 60.3                 | 81.5                             | 15 500 *                      |
| 50.0                        | 58.9                 | 80.3                             | 13 900 *                      |
| 52.0                        | 57.4                 | 79.0                             | 12 400 *                      |
| 54.0                        | 55.9                 | 77.6                             | 11 100 *                      |
| 56.0                        | 54.3                 | 76.2                             | 9 800 *                       |
| 58.0                        | 52.8                 | 74.7                             | 8 700 *                       |
| 60.0                        | 51.2                 | 73.1                             | 7 700 *                       |
| 62.0                        | 49.5                 | 71.4                             | 6 800 *                       |
| 64.0                        | 47.9                 | 69.6                             | 5 900 *                       |
| 66.0                        | 46.1                 | 67.7                             | 5 100 *                       |
| 68.0                        | 44.3                 | 65.7                             | 4 300 *                       |
| 70.0                        | 42.5                 | 63.6                             | 3 700 *                       |
| 72.0                        | 40.6                 | 61.3                             | 3 000 *                       |
| 74.0                        | 38.6                 | 58.8                             | 2 400 *                       |
| 76.0                        | 36.5                 | 56.1                             | 1 900 *                       |