



# Liftcrane Boom Capacities

## 2250 SERIES 2

**Boom No. 44 With Long Reach Top**  
**94 890 kg Crane Counterweight**  
**27 220 kg Crane Carbody Counterweight**  
**360 Degree Rating**

|                                                                                                                                   |
|-----------------------------------------------------------------------------------------------------------------------------------|
| <p><b>Maximum Operating Wind Speeds</b></p> <p><b>14 m/s thru 64.0m Boom</b></p> <p><b>10 m/s from 67.1m thru 100.6m Boom</b></p> |
|-----------------------------------------------------------------------------------------------------------------------------------|

**LIFTING CAPACITIES:** Lifting capacities for various boom lengths and operating radii are for freely suspended loads and are calculated to comply with EN 13000, ISO 4305 and include factors based on a 4.0 degree tipping angle. 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.

Weight of all load blocks, hooks, weight ball, slings, etc. beneath boom point sheaves is considered part of main boom load. Reeved hoist line included in boom weight. 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. Refer to boom rigging **No. 192054**, Wire Rope Specification chart **No. 8034-A**, and Counterweight Arrangement Chart **No. 8026-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 Operator's Manual for operating guidelines.

**WIND CONDITIONS:** Machine may be operated in winds stated in Maximum Operating Wind Speed table provided crane operator judgment is used to allow for wind effect on lifted load and other considerations noted on capacity chart are followed. Wind will have a considerable effect on load with a large "sail area" and must be compensated for accordingly by reducing load ratings, reducing operating speeds or by a combination of both. Wind speed to be measured at boom point elevation. **Operation is not permitted when wind is above conditions stated in Maximum Operating Wind Speed table.** Park crane (upper inline with crawlers) with load block on ground or secured and position boom at 70 degrees. Lower boom onto blocking at ground level when wind is above 22 m/s.

**MACHINE TRAVEL:** Machine to travel on a firm, level, and uniformly supporting surface and boom within boom angle range shown in capacity chart. *Travel with 100 percent of rated load prohibited.* Travel restricted to 90 percent of rated capacity with speed not to exceed 0.4 m/s. Refer to Maximum Allowable Travel Specification chart **No. 8999-A**.

**MAX PERMISSIBLE SLEWING SPEED:** Slewing operation with working load shall not exceed 0.4 m/s as measured at the operating radius. The amount of time to brake or start slewing a working load shall not be less than 2.5 seconds.

**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 is vertical distance from ground level to centerline of boom point shaft.

**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, boom support straps, 94 890 kg crane counterweight and two 13 610 kg carbody counterweights.

### Boom Catwalks Deduct

|                                                                       |
|-----------------------------------------------------------------------|
| <p>Deduct 300 kg from capacities when boom catwalks are attached.</p> |
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**360 Degree Rating**

**Maximum Operating Wind Speeds**  
**14 m/s thru 64.0m Boom**  
**10 m/s from 67.1 m thru 100.6m Boom**

| Maximum Boom Length Lifted Unassisted                                                                                                                                                                                                                                                     |                               |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|
| Over Front or Side of Crawlers                                                                                                                                                                                                                                                            | Over Rear of Blocked Crawlers |
| Boom Length                                                                                                                                                                                                                                                                               | Boom Length                   |
| (a)(b)(c)(d)100.6m                                                                                                                                                                                                                                                                        | (a)(c)100.6m                  |
| (a)(b)(c) 97.5m                                                                                                                                                                                                                                                                           | (a) 97.5m                     |
| 94.5m                                                                                                                                                                                                                                                                                     | 94.5m                         |
| Load block, hook and weight ball on ground at start.<br>(a) Upper boom point must be removed.<br>(b) Machine must be equipped with optional upperworks jacking cylinders.<br>(c) Boom <i>must</i> be rigged with one hoist lead line.<br>(d) Raising reserve is less than 10% tip weight. |                               |

| Oper. Rad. Meters           | Boom Ang. Deg. | Boom Point Elev. Meters | Boom Capacity Kilograms |
|-----------------------------|----------------|-------------------------|-------------------------|
| <b>57.9m (190 Ft.) BOOM</b> |                |                         |                         |
| 9.8                         | 82.7           | 59.8                    | 95 200 *                |
| 10.0                        | 82.4           | 59.8                    | 95 200 *                |
| 11.0                        | 81.4           | 59.6                    | 95 200 *                |
| 12.0                        | 80.4           | 59.5                    | 95 200 *                |
| 13.0                        | 79.4           | 59.3                    | 91 700                  |
| 14.0                        | 78.4           | 59.1                    | 84 500                  |
| 15.0                        | 77.4           | 58.9                    | 78 400                  |
| 16.0                        | 76.4           | 58.6                    | 73 100                  |
| 18.0                        | 74.3           | 58.1                    | 64 200                  |
| 20.0                        | 72.3           | 57.5                    | 57 000                  |
| 22.0                        | 70.2           | 56.8                    | 51 100                  |
| 24.0                        | 68.0           | 56.0                    | 45 700                  |
| 26.0                        | 65.9           | 55.1                    | 40 700                  |
| 28.0                        | 63.7           | 54.2                    | 36 600                  |
| 30.0                        | 61.5           | 53.1                    | 33 100                  |
| 32.0                        | 59.2           | 52.0                    | 30 100                  |
| 34.0                        | 56.8           | 50.7                    | 27 400                  |
| 36.0                        | 54.4           | 49.3                    | 25 200                  |
| 38.0                        | 51.9           | 47.8                    | 23 100                  |
| 40.0                        | 49.4           | 46.1                    | 21 400                  |
| 42.0                        | 46.7           | 44.3                    | 19 800                  |
| 44.0                        | 43.9           | 42.3                    | 18 300                  |
| 46.0                        | 40.9           | 40.1                    | 17 100                  |
| 48.0                        | 37.8           | 37.6                    | 15 900                  |
| 50.0                        | 34.4           | 34.8                    | 14 800                  |
| 52.0                        | 30.7           | 31.6                    | 13 900                  |

| Oper. Rad. Meters           | Boom Ang. Deg. | Boom Point Elev. Meters | Boom Capacity Kilograms |
|-----------------------------|----------------|-------------------------|-------------------------|
| <b>61.0m (200 Ft.) BOOM</b> |                |                         |                         |
| 9.8                         | 83.0           | 62.9                    | 95 200 *                |
| 10.0                        | 82.8           | 62.9                    | 95 200 *                |
| 11.0                        | 81.9           | 62.7                    | 95 200 *                |
| 12.0                        | 80.9           | 62.6                    | 95 200 *                |
| 13.0                        | 80.0           | 62.4                    | 89 500                  |
| 14.0                        | 79.0           | 62.2                    | 82 700                  |
| 15.0                        | 78.0           | 62.0                    | 76 800                  |
| 16.0                        | 77.1           | 61.8                    | 71 600                  |
| 18.0                        | 75.1           | 61.3                    | 62 900                  |
| 20.0                        | 73.2           | 60.7                    | 55 900                  |
| 22.0                        | 71.2           | 60.0                    | 50 000                  |
| 24.0                        | 69.2           | 59.3                    | 45 100                  |
| 26.0                        | 67.2           | 58.5                    | 40 300                  |
| 28.0                        | 65.1           | 57.6                    | 36 200                  |
| 30.0                        | 63.0           | 56.6                    | 32 600                  |
| 32.0                        | 60.9           | 55.5                    | 29 600                  |
| 34.0                        | 58.7           | 54.3                    | 27 000                  |
| 36.0                        | 56.4           | 53.0                    | 24 700                  |
| 38.0                        | 54.2           | 51.6                    | 22 700                  |
| 40.0                        | 51.8           | 50.1                    | 20 900                  |
| 42.0                        | 49.3           | 48.4                    | 19 300                  |
| 44.0                        | 46.8           | 46.6                    | 17 900                  |
| 46.0                        | 44.1           | 44.6                    | 16 600                  |
| 48.0                        | 41.4           | 42.4                    | 15 400                  |
| 50.0                        | 38.4           | 40.0                    | 14 300                  |
| 52.0                        | 35.2           | 37.3                    | 13 400                  |
| 54.0                        | 31.8           | 34.2                    | 12 500                  |
| 56.0                        | 28.0           | 30.7                    | 11 800                  |

| Oper. Rad. Meters           | Boom Ang. Deg. | Boom Point Elev. Meters | Boom Capacity Kilograms |
|-----------------------------|----------------|-------------------------|-------------------------|
| <b>64.0m (210 Ft.) BOOM</b> |                |                         |                         |
| 10.4                        | 82.8           | 65.9                    | 95 200 *                |
| 11.0                        | 82.3           | 65.8                    | 95 200 *                |
| 12.0                        | 81.3           | 65.7                    | 94 100                  |
| 13.0                        | 80.4           | 65.5                    | 87 600                  |
| 14.0                        | 79.5           | 65.3                    | 81 100                  |
| 15.0                        | 78.6           | 65.1                    | 75 400                  |
| 16.0                        | 77.7           | 64.9                    | 70 300                  |
| 18.0                        | 75.9           | 64.4                    | 61 800                  |
| 20.0                        | 74.0           | 63.9                    | 54 900                  |
| 22.0                        | 72.1           | 63.2                    | 49 100                  |
| 24.0                        | 70.2           | 62.5                    | 44 400                  |
| 26.0                        | 68.3           | 61.8                    | 40 100                  |
| 28.0                        | 66.4           | 60.9                    | 35 900                  |
| 30.0                        | 64.4           | 60.0                    | 32 400                  |
| 32.0                        | 62.4           | 59.0                    | 29 400                  |
| 34.0                        | 60.3           | 57.9                    | 26 800                  |
| 36.0                        | 58.2           | 56.7                    | 24 500                  |
| 38.0                        | 56.1           | 55.4                    | 22 500                  |
| 40.0                        | 53.9           | 53.9                    | 20 700                  |
| 42.0                        | 51.7           | 52.4                    | 19 100                  |
| 44.0                        | 49.3           | 50.7                    | 17 600                  |
| 46.0                        | 46.9           | 48.9                    | 16 300                  |
| 48.0                        | 44.4           | 46.9                    | 15 200                  |
| 50.0                        | 41.7           | 44.8                    | 14 100                  |
| 52.0                        | 39.0           | 42.4                    | 13 100                  |
| 54.0                        | 36.0           | 39.7                    | 12 200                  |
| 56.0                        | 32.8           | 36.8                    | 11 400                  |
| 58.0                        | 29.3           | 33.4                    | 10 700                  |



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**94 890 kg Crane Counterweight**  
**27 220 kg Carbody Counterweight**  
**360 Degree Rating**

**Maximum Operating Wind Speeds**  
**14 m/s thru 64.0m Boom**  
**10 m/s from 67.1m thru 100.6m Boom**

| 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> |                      |                                  |                               |
| 11.0                        | 82.6                 | 68.9                             | 95 200 *                      |
| 12.0                        | 81.7                 | 68.7                             | 92 700                        |
| 13.0                        | 80.9                 | 68.6                             | 85 800                        |
| 14.0                        | 80.0                 | 68.4                             | 79 400                        |
| 15.0                        | 79.1                 | 68.2                             | 73 800                        |
| 16.0                        | 78.3                 | 68.0                             | 68 900                        |
| 18.0                        | 76.5                 | 67.6                             | 60 500                        |
| 20.0                        | 74.7                 | 67.0                             | 53 800                        |
| 22.0                        | 73.0                 | 66.4                             | 48 100                        |
| 24.0                        | 71.2                 | 65.8                             | 43 400                        |
| 26.0                        | 69.3                 | 65.0                             | 39 400                        |
| 28.0                        | 67.5                 | 64.2                             | 35 600                        |
| 30.0                        | 65.6                 | 63.4                             | 32 000                        |
| 32.0                        | 63.7                 | 62.4                             | 29 000                        |
| 34.0                        | 61.8                 | 61.4                             | 26 300                        |
| 36.0                        | 59.9                 | 60.2                             | 24 000                        |
| 38.0                        | 57.8                 | 59.0                             | 22 000                        |
| 40.0                        | 55.8                 | 57.7                             | 20 200                        |
| 42.0                        | 53.7                 | 56.2                             | 18 600                        |
| 44.0                        | 51.5                 | 54.7                             | 17 200                        |
| 46.0                        | 49.3                 | 53.0                             | 15 900                        |
| 48.0                        | 47.0                 | 51.2                             | 14 700                        |
| 50.0                        | 44.6                 | 49.2                             | 13 600                        |
| 52.0                        | 42.1                 | 47.1                             | 12 700                        |
| 54.0                        | 39.5                 | 44.8                             | 11 800                        |
| 56.0                        | 36.7                 | 42.2                             | 11 000                        |
| 58.0                        | 33.7                 | 39.3                             | 10 200                        |
| 60.0                        | 30.4                 | 36.1                             | 9 600                         |
| 62.0                        | 26.8                 | 32.3                             | 8 900                         |
| <b>70.1m (230 Ft.) BOOM</b> |                      |                                  |                               |
| 11.0                        | 83.0                 | 72.0                             | 89 000 *                      |
| 12.0                        | 82.1                 | 71.8                             | 87 500 *                      |
| 13.0                        | 81.3                 | 71.7                             | 84 200                        |
| 14.0                        | 80.5                 | 71.5                             | 77 700                        |
| 15.0                        | 79.6                 | 71.3                             | 72 300                        |
| 16.0                        | 78.8                 | 71.1                             | 67 500                        |
| 18.0                        | 77.1                 | 70.7                             | 59 300                        |
| 20.0                        | 75.4                 | 70.2                             | 52 700                        |
| 22.0                        | 73.7                 | 69.6                             | 47 200                        |
| 24.0                        | 72.0                 | 69.0                             | 42 500                        |
| 26.0                        | 70.3                 | 68.3                             | 38 500                        |
| 28.0                        | 68.5                 | 67.5                             | 35 000                        |
| 30.0                        | 66.8                 | 66.7                             | 31 600                        |
| 32.0                        | 65.0                 | 65.8                             | 28 600                        |
| 34.0                        | 63.1                 | 64.8                             | 25 900                        |
| 36.0                        | 61.3                 | 63.7                             | 23 700                        |

| Oper.<br>Rad.<br>Meters     | Boom<br>Ang.<br>Deg. | Boom<br>Point<br>Elev.<br>Meters | Boom<br>Capacity<br>Kilograms |
|-----------------------------|----------------------|----------------------------------|-------------------------------|
| <b>70.1m (230 Ft.) BOOM</b> |                      |                                  |                               |
| 38.0                        | 59.4                 | 62.6                             | 21 600                        |
| 40.0                        | 57.5                 | 61.3                             | 19 800                        |
| 42.0                        | 55.5                 | 60.0                             | 18 200                        |
| 44.0                        | 53.5                 | 58.6                             | 16 800                        |
| 46.0                        | 51.4                 | 57.0                             | 15 500                        |
| 48.0                        | 49.3                 | 55.3                             | 14 300                        |
| 50.0                        | 47.1                 | 53.5                             | 13 200                        |
| 52.0                        | 44.8                 | 51.6                             | 12 200                        |
| 54.0                        | 42.4                 | 49.4                             | 11 300                        |
| 56.0                        | 39.9                 | 47.1                             | 10 500                        |
| 58.0                        | 37.3                 | 44.6                             | 9 800                         |
| 60.0                        | 34.5                 | 41.8                             | 9 100                         |
| 62.0                        | 31.4                 | 38.7                             | 8 500                         |
| 64.0                        | 28.1                 | 35.1                             | 7 900                         |
| <b>73.2m (240 Ft.) BOOM</b> |                      |                                  |                               |
| 11.6                        | 82.8                 | 75.0                             | 85 300 *                      |
| 12.0                        | 82.4                 | 74.9                             | 84 700 *                      |
| 13.0                        | 81.6                 | 74.8                             | 82 500                        |
| 14.0                        | 80.9                 | 74.6                             | 76 100                        |
| 15.0                        | 80.1                 | 74.4                             | 70 800                        |
| 16.0                        | 79.3                 | 74.2                             | 66 100                        |
| 18.0                        | 77.7                 | 73.8                             | 58 100                        |
| 20.0                        | 76.0                 | 73.3                             | 51 600                        |
| 22.0                        | 74.4                 | 72.8                             | 46 100                        |
| 24.0                        | 72.8                 | 72.2                             | 41 600                        |
| 26.0                        | 71.1                 | 71.5                             | 37 700                        |
| 28.0                        | 69.5                 | 70.8                             | 34 200                        |
| 30.0                        | 67.8                 | 70.0                             | 31 200                        |
| 32.0                        | 66.1                 | 69.1                             | 28 200                        |
| 34.0                        | 64.4                 | 68.2                             | 25 500                        |
| 36.0                        | 62.6                 | 67.2                             | 23 200                        |
| 38.0                        | 60.8                 | 66.1                             | 21 200                        |
| 40.0                        | 59.0                 | 64.9                             | 19 400                        |
| 42.0                        | 57.1                 | 63.7                             | 17 700                        |
| 44.0                        | 55.3                 | 62.3                             | 16 300                        |
| 46.0                        | 53.3                 | 60.9                             | 15 000                        |
| 48.0                        | 51.3                 | 59.3                             | 13 800                        |
| 50.0                        | 49.3                 | 57.6                             | 12 700                        |
| 52.0                        | 47.2                 | 55.8                             | 11 700                        |
| 54.0                        | 45.0                 | 53.9                             | 10 900                        |
| 56.0                        | 42.7                 | 51.8                             | 10 000                        |
| 58.0                        | 40.3                 | 49.5                             | 9 300                         |
| 60.0                        | 37.8                 | 47.0                             | 8 600                         |
| 62.0                        | 35.2                 | 44.3                             | 8 000                         |
| 64.0                        | 32.3                 | 41.2                             | 7 400                         |
| 66.0                        | 29.2                 | 37.8                             | 6 900                         |

| 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> |                      |                                  |                               |
| 12.2                        | 82.6                 | 78.0                             | 81 100 *                      |
| 13.0                        | 82.0                 | 77.8                             | 79 800                        |
| 14.0                        | 81.2                 | 77.7                             | 74 900                        |
| 15.0                        | 80.5                 | 77.5                             | 69 700                        |
| 16.0                        | 79.7                 | 77.3                             | 65 100                        |
| 18.0                        | 78.2                 | 76.9                             | 57 300                        |
| 20.0                        | 76.6                 | 76.5                             | 50 900                        |
| 22.0                        | 75.1                 | 76.0                             | 45 600                        |
| 24.0                        | 73.5                 | 75.4                             | 41 100                        |
| 26.0                        | 71.9                 | 74.8                             | 37 300                        |
| 28.0                        | 70.3                 | 74.1                             | 33 900                        |
| 30.0                        | 68.7                 | 73.3                             | 30 900                        |
| 32.0                        | 67.1                 | 72.5                             | 28 200                        |
| 34.0                        | 65.4                 | 71.6                             | 25 500                        |
| 36.0                        | 63.8                 | 70.6                             | 23 200                        |
| 38.0                        | 62.1                 | 69.6                             | 21 200                        |
| 40.0                        | 60.4                 | 68.5                             | 19 400                        |
| 42.0                        | 58.6                 | 67.3                             | 17 700                        |
| 44.0                        | 56.8                 | 66.0                             | 16 300                        |
| 46.0                        | 55.0                 | 64.6                             | 15 000                        |
| 48.0                        | 53.1                 | 63.2                             | 13 800                        |
| 50.0                        | 51.2                 | 61.6                             | 12 700                        |
| 52.0                        | 49.3                 | 59.9                             | 11 700                        |
| 54.0                        | 47.2                 | 58.1                             | 10 800                        |
| 56.0                        | 45.2                 | 56.2                             | 10 000                        |
| 58.0                        | 43.0                 | 54.1                             | 9 200                         |
| 60.0                        | 40.7                 | 51.8                             | 8 500                         |
| 62.0                        | 38.3                 | 49.4                             | 7 900                         |
| 64.0                        | 35.8                 | 46.7                             | 7 300                         |
| 66.0                        | 33.1                 | 43.8                             | 6 700                         |
| 68.0                        | 30.3                 | 40.5                             | 6 200                         |
| 70.0                        | 27.1                 | 36.8                             | 5 700                         |



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**94 890 kg Crane Counterweight**  
**27 220 kg Carbody Counterweight**  
**360 Degree Rating**

**Maximum Operating Wind Speeds**  
**14 m/s thru 64.0m Boom**  
**10 m/s from 67.1m thru 100.6m Boom**

| Oper. Rad. Meters           | Boom Ang. Deg. | Boom Point Elev. Meters | Boom Capacity Kilograms |
|-----------------------------|----------------|-------------------------|-------------------------|
| <b>79.2m (260 Ft.) BOOM</b> |                |                         |                         |
| 12.2                        | 82.9           | 81.0                    | 78 200 *                |
| 13.0                        | 82.3           | 80.9                    | 77 300                  |
| 14.0                        | 81.6           | 80.8                    | 73 400                  |
| 15.0                        | 80.8           | 80.6                    | 68 300                  |
| 16.0                        | 80.1           | 80.4                    | 63 800                  |
| 18.0                        | 78.6           | 80.1                    | 56 100                  |
| 20.0                        | 77.1           | 79.6                    | 49 800                  |
| 22.0                        | 75.7           | 79.1                    | 44 600                  |
| 24.0                        | 74.2           | 78.6                    | 40 200                  |
| 26.0                        | 72.6           | 78.0                    | 36 400                  |
| 28.0                        | 71.1           | 77.3                    | 33 100                  |
| 30.0                        | 69.6           | 76.6                    | 30 200                  |
| 32.0                        | 68.0           | 75.8                    | 27 700                  |
| 34.0                        | 66.5           | 74.9                    | 25 100                  |
| 36.0                        | 64.9           | 74.0                    | 22 800                  |
| 38.0                        | 63.3           | 73.0                    | 20 800                  |
| 40.0                        | 61.6           | 72.0                    | 18 900                  |
| 42.0                        | 60.0           | 70.8                    | 17 300                  |
| 44.0                        | 58.3           | 69.6                    | 15 900                  |
| 46.0                        | 56.5           | 68.3                    | 14 600                  |
| 48.0                        | 54.8           | 67.0                    | 13 300                  |
| 50.0                        | 53.0           | 65.5                    | 12 300                  |
| 52.0                        | 51.1           | 63.9                    | 11 300                  |
| 54.0                        | 49.3           | 62.2                    | 10 400                  |
| 56.0                        | 47.3           | 60.4                    | 9 500                   |
| 58.0                        | 45.3           | 58.5                    | 8 800                   |
| 60.0                        | 43.2           | 56.4                    | 8 100                   |
| 62.0                        | 41.1           | 54.2                    | 7 400                   |
| 64.0                        | 38.8           | 51.8                    | 6 800                   |
| 66.0                        | 36.4           | 49.2                    | 6 200                   |
| 68.0                        | 33.9           | 46.3                    | 5 700                   |
| 70.0                        | 31.2           | 43.1                    | 5 200                   |
| 72.0                        | 28.2           | 39.6                    | 4 800                   |
| <b>82.3m (270 Ft.) BOOM</b> |                |                         |                         |
| 12.8                        | 82.7           | 84.0                    | 70 000 *                |
| 13.0                        | 82.6           | 84.0                    | 69 900 *                |
| 14.0                        | 81.9           | 83.9                    | 68 700 *                |
| 15.0                        | 81.2           | 83.7                    | 66 800                  |
| 16.0                        | 80.5           | 83.5                    | 62 700                  |
| 18.0                        | 79.1           | 83.2                    | 55 000                  |
| 20.0                        | 77.6           | 82.7                    | 48 800                  |
| 22.0                        | 76.2           | 82.3                    | 43 700                  |
| 24.0                        | 74.8           | 81.7                    | 39 300                  |
| 26.0                        | 73.3           | 81.2                    | 35 600                  |
| 28.0                        | 71.8           | 80.5                    | 32 300                  |
| 30.0                        | 70.4           | 79.8                    | 29 500                  |
| 32.0                        | 68.9           | 79.1                    | 26 900                  |
| 34.0                        | 67.4           | 78.3                    | 24 700                  |
| 36.0                        | 65.9           | 77.4                    | 22 400                  |
| 38.0                        | 64.3           | 76.4                    | 20 400                  |
| 40.0                        | 62.8           | 75.4                    | 18 500                  |

| Oper. Rad. Meters           | Boom Ang. Deg. | Boom Point Elev. Meters | Boom Capacity Kilograms |
|-----------------------------|----------------|-------------------------|-------------------------|
| <b>82.3m (270 Ft.) BOOM</b> |                |                         |                         |
| 42.0                        | 61.2           | 74.4                    | 16 900                  |
| 44.0                        | 59.6           | 73.2                    | 15 500                  |
| 46.0                        | 57.9           | 72.0                    | 14 200                  |
| 48.0                        | 56.3           | 70.7                    | 12 900                  |
| 50.0                        | 54.6           | 69.3                    | 11 900                  |
| 52.0                        | 52.8           | 67.8                    | 10 900                  |
| 54.0                        | 51.1           | 66.2                    | 9 900                   |
| 56.0                        | 49.2           | 64.5                    | 9 100                   |
| 58.0                        | 47.4           | 62.7                    | 8 400                   |
| 60.0                        | 45.4           | 60.8                    | 7 600                   |
| 62.0                        | 43.4           | 58.7                    | 7 000                   |
| 64.0                        | 41.4           | 56.5                    | 6 300                   |
| 66.0                        | 39.2           | 54.2                    | 5 800                   |
| 68.0                        | 36.9           | 51.6                    | 5 300                   |
| 70.0                        | 34.5           | 48.8                    | 4 800                   |
| 72.0                        | 32.0           | 45.7                    | 4 400                   |
| 74.0                        | 29.2           | 42.3                    | 3 900                   |
| 76.0                        | 26.2           | 38.4                    | 3 600                   |
| <b>85.3m (280 Ft.) BOOM</b> |                |                         |                         |
| 12.8                        | 83.0           | 87.1                    | 64 000 *                |
| 13.0                        | 82.8           | 87.1                    | 63 800 *                |
| 14.0                        | 82.2           | 86.9                    | 62 600 *                |
| 15.0                        | 81.5           | 86.8                    | 61 500 *                |
| 16.0                        | 80.8           | 86.6                    | 60 000                  |
| 18.0                        | 79.4           | 86.3                    | 54 400                  |
| 20.0                        | 78.1           | 85.9                    | 48 100                  |
| 22.0                        | 76.7           | 85.4                    | 43 000                  |
| 24.0                        | 75.3           | 84.9                    | 38 800                  |
| 26.0                        | 73.9           | 84.3                    | 35 000                  |
| 28.0                        | 72.5           | 83.7                    | 31 800                  |
| 30.0                        | 71.1           | 83.1                    | 29 000                  |
| 32.0                        | 69.7           | 82.3                    | 26 500                  |
| 34.0                        | 68.2           | 81.6                    | 24 300                  |
| 36.0                        | 66.8           | 80.7                    | 22 300                  |
| 38.0                        | 65.3           | 79.8                    | 20 300                  |
| 40.0                        | 63.8           | 78.8                    | 18 400                  |
| 42.0                        | 62.3           | 77.8                    | 16 800                  |
| 44.0                        | 60.8           | 76.7                    | 15 400                  |
| 46.0                        | 59.2           | 75.6                    | 14 100                  |
| 48.0                        | 57.6           | 74.3                    | 12 800                  |
| 50.0                        | 56.0           | 73.0                    | 11 700                  |
| 52.0                        | 54.4           | 71.6                    | 10 700                  |
| 54.0                        | 52.7           | 70.1                    | 9 800                   |
| 56.0                        | 51.0           | 68.5                    | 9 000                   |
| 58.0                        | 49.2           | 66.8                    | 8 200                   |

| Oper. Rad. Meters           | Boom Ang. Deg. | Boom Point Elev. Meters | Boom Capacity Kilograms |
|-----------------------------|----------------|-------------------------|-------------------------|
| <b>85.3m (280 Ft.) BOOM</b> |                |                         |                         |
| 60.0                        | 47.4           | 65.0                    | 7 500                   |
| 62.0                        | 45.6           | 63.1                    | 6 800                   |
| 64.0                        | 43.7           | 61.1                    | 6 200                   |
| 66.0                        | 41.7           | 58.9                    | 5 600                   |
| 68.0                        | 39.6           | 56.5                    | 5 000                   |
| 70.0                        | 37.4           | 54.0                    | 4 600                   |
| 72.0                        | 35.1           | 51.2                    | 4 100                   |
| 74.0                        | 32.7           | 48.2                    | 3 700                   |
| 76.0                        | 30.1           | 44.9                    | 3 300                   |
| 78.0                        | 27.3           | 41.2                    | 2 900                   |
| <b>88.4m (290 Ft.) BOOM</b> |                |                         |                         |
| 13.4                        | 82.8           | 90.1                    | 58 400 *                |
| 14.0                        | 82.4           | 90.0                    | 57 800 *                |
| 15.0                        | 81.8           | 89.9                    | 56 600 *                |
| 16.0                        | 81.1           | 89.7                    | 55 600 *                |
| 18.0                        | 79.8           | 89.4                    | 52 800                  |
| 20.0                        | 78.5           | 89.0                    | 47 200                  |
| 22.0                        | 77.2           | 88.5                    | 42 300                  |
| 24.0                        | 75.8           | 88.0                    | 38 000                  |
| 26.0                        | 74.5           | 87.5                    | 34 400                  |
| 28.0                        | 73.1           | 86.9                    | 31 200                  |
| 30.0                        | 71.8           | 86.3                    | 28 400                  |
| 32.0                        | 70.4           | 85.6                    | 25 900                  |
| 34.0                        | 69.0           | 84.8                    | 23 800                  |
| 36.0                        | 67.6           | 84.0                    | 21 800                  |
| 38.0                        | 66.2           | 83.2                    | 20 000                  |
| 40.0                        | 64.8           | 82.2                    | 18 200                  |
| 42.0                        | 63.3           | 81.3                    | 16 600                  |
| 44.0                        | 61.9           | 80.2                    | 15 100                  |
| 46.0                        | 60.4           | 79.1                    | 13 700                  |
| 48.0                        | 58.9           | 77.9                    | 12 600                  |
| 50.0                        | 57.4           | 76.7                    | 11 400                  |
| 52.0                        | 55.8           | 75.3                    | 10 400                  |
| 54.0                        | 54.2           | 73.9                    | 9 500                   |
| 56.0                        | 52.6           | 72.4                    | 8 700                   |
| 58.0                        | 50.9           | 70.8                    | 7 900                   |
| 60.0                        | 49.2           | 69.1                    | 7 100                   |
| 62.0                        | 47.5           | 67.3                    | 6 500                   |
| 64.0                        | 45.7           | 65.4                    | 5 800                   |
| 66.0                        | 43.8           | 63.4                    | 5 300                   |
| 68.0                        | 41.9           | 61.2                    | 4 700                   |
| 70.0                        | 39.9           | 58.9                    | 4 200                   |
| 72.0                        | 37.9           | 56.4                    | 3 800                   |
| 74.0                        | 35.7           | 53.7                    | 3 400                   |
| 76.0                        | 33.4           | 50.8                    | 2 900                   |
| 78.0                        | 30.9           | 47.5                    | 2 600                   |
| 80.0                        | 28.3           | 44.0                    | 2 200                   |



# Liftcrane Boom Capacities

## 2250 SERIES 2

**Boom No. 44 With Long Reach Top**  
**94 890 kg Crane Counterweight**  
**27 220 kg Carbody Counterweight**  
**360 Degree Rating**

**Maximum Operating Wind Speeds**  
**14 m/s thru 64.0m Boom**  
**10 m/s from 67.1m thru 100.6m Boom**

| 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                        | 82.7                 | 93.1                             | 54 300 *                      |
| 15.0                        | 82.1                 | 92.9                             | 53 800 *                      |
| 16.0                        | 81.4                 | 92.8                             | 53 200 *                      |
| 18.0                        | 80.2                 | 92.5                             | 50 900 *                      |
| 20.0                        | 78.9                 | 92.1                             | 46 800                        |
| 22.0                        | 77.6                 | 91.7                             | 41 800                        |
| 24.0                        | 76.3                 | 91.2                             | 37 600                        |
| 26.0                        | 75.0                 | 90.7                             | 34 100                        |
| 28.0                        | 73.7                 | 90.1                             | 30 900                        |
| 30.0                        | 72.4                 | 89.5                             | 28 200                        |
| 32.0                        | 71.1                 | 88.8                             | 25 700                        |
| 34.0                        | 69.7                 | 88.1                             | 23 500                        |
| 36.0                        | 68.4                 | 87.3                             | 21 600                        |
| 38.0                        | 67.0                 | 86.5                             | 19 900                        |
| 40.0                        | 65.7                 | 85.6                             | 18 200                        |
| 42.0                        | 64.3                 | 84.7                             | 16 600                        |
| 44.0                        | 62.9                 | 83.7                             | 15 100                        |
| 46.0                        | 61.5                 | 82.6                             | 13 800                        |
| 48.0                        | 60.0                 | 81.5                             | 12 600                        |
| 50.0                        | 58.6                 | 80.3                             | 11 500                        |
| 52.0                        | 57.1                 | 79.0                             | 10 400                        |
| 54.0                        | 55.6                 | 77.6                             | 9 500                         |
| 56.0                        | 54.0                 | 76.2                             | 8 600                         |
| 58.0                        | 52.5                 | 74.7                             | 7 900                         |
| 60.0                        | 50.9                 | 73.1                             | 7 100                         |
| 62.0                        | 49.2                 | 71.4                             | 6 400                         |
| 64.0                        | 47.5                 | 69.6                             | 5 800                         |
| 66.0                        | 45.8                 | 67.7                             | 5 200                         |
| 68.0                        | 44.0                 | 65.7                             | 4 600                         |
| 70.0                        | 42.2                 | 63.6                             | 4 100                         |
| 72.0                        | 40.3                 | 61.3                             | 3 600                         |
| 74.0                        | 38.3                 | 58.8                             | 3 200                         |
| 76.0                        | 36.2                 | 56.1                             | 2 800                         |
| 78.0                        | 34.0                 | 53.3                             | 2 400                         |
| 80.0                        | 31.7                 | 50.1                             | 2 000                         |
| <b>94.5m (310 Ft.) BOOM</b> |                      |                                  |                               |
| 14.0                        | 82.9                 | 96.2                             | 48 900 *                      |
| 15.0                        | 82.3                 | 96.0                             | 48 300 *                      |
| 16.0                        | 81.7                 | 95.9                             | 47 000 *                      |
| 18.0                        | 80.5                 | 95.6                             | 44 600 *                      |
| 20.0                        | 79.2                 | 95.2                             | 42 500 *                      |
| 22.0                        | 78.0                 | 94.8                             | 40 400                        |
| 24.0                        | 76.8                 | 94.3                             | 36 900                        |
| 26.0                        | 75.5                 | 93.8                             | 33 300                        |
| 28.0                        | 74.3                 | 93.3                             | 30 200                        |
| 30.0                        | 73.0                 | 92.7                             | 27 500                        |
| 32.0                        | 71.7                 | 92.0                             | 25 000                        |
| 34.0                        | 70.4                 | 91.3                             | 22 900                        |
| 36.0                        | 69.1                 | 90.6                             | 21 000                        |
| 38.0                        | 67.8                 | 89.8                             | 19 200                        |
| 40.0                        | 66.5                 | 88.9                             | 17 600                        |

| Oper.<br>Rad.<br>Meters     | Boom<br>Ang.<br>Deg. | Boom<br>Point<br>Elev.<br>Meters | Boom<br>Capacity<br>Kilograms |
|-----------------------------|----------------------|----------------------------------|-------------------------------|
| <b>94.5m (310 Ft.) BOOM</b> |                      |                                  |                               |
| 42.0                        | 65.2                 | 88.0                             | 16 200                        |
| 44.0                        | 63.8                 | 87.1                             | 14 700                        |
| 46.0                        | 62.5                 | 86.0                             | 13 400                        |
| 48.0                        | 61.1                 | 85.0                             | 12 200                        |
| 50.0                        | 59.7                 | 83.8                             | 11 100                        |
| 52.0                        | 58.3                 | 82.6                             | 10 100                        |
| 54.0                        | 56.8                 | 81.3                             | 9 100                         |
| 56.0                        | 55.4                 | 80.0                             | 8 300                         |
| 58.0                        | 53.9                 | 78.5                             | 7 400                         |
| 60.0                        | 52.4                 | 77.0                             | 6 700                         |
| 62.0                        | 50.8                 | 75.4                             | 6 000                         |
| 64.0                        | 49.2                 | 73.7                             | 5 400                         |
| 66.0                        | 47.6                 | 71.9                             | 4 800                         |
| 68.0                        | 45.9                 | 70.0                             | 4 200                         |
| 70.0                        | 44.2                 | 68.0                             | 3 700                         |
| 72.0                        | 42.4                 | 65.9                             | 3 300                         |
| 74.0                        | 40.6                 | 63.6                             | 2 800                         |
| 76.0                        | 38.7                 | 61.2                             | 2 300                         |
| <b>97.5m (320 Ft.) BOOM</b> |                      |                                  |                               |
| 14.6                        | 82.8                 | 99.2                             | 45 200 *                      |
| 15.0                        | 82.6                 | 99.1                             | 44 700 *                      |
| 16.0                        | 82.0                 | 99.0                             | 43 600 *                      |
| 18.0                        | 80.8                 | 98.7                             | 41 400 *                      |
| 20.0                        | 79.6                 | 98.3                             | 39 200 *                      |
| 22.0                        | 78.4                 | 97.9                             | 37 300 *                      |
| 24.0                        | 77.2                 | 97.5                             | 35 600 *                      |
| 26.0                        | 76.0                 | 97.0                             | 32 500                        |
| 28.0                        | 74.8                 | 96.4                             | 29 400                        |
| 30.0                        | 73.5                 | 95.9                             | 26 700                        |
| 32.0                        | 72.3                 | 95.2                             | 24 400                        |
| 34.0                        | 71.1                 | 94.6                             | 22 200                        |
| 36.0                        | 69.8                 | 93.9                             | 20 300                        |
| 38.0                        | 68.6                 | 93.1                             | 18 600                        |
| 40.0                        | 67.3                 | 92.3                             | 17 000                        |
| 42.0                        | 66.0                 | 91.4                             | 15 600                        |
| 44.0                        | 64.7                 | 90.5                             | 14 300                        |
| 46.0                        | 63.4                 | 89.5                             | 13 000                        |
| 48.0                        | 62.1                 | 88.4                             | 11 800                        |
| 50.0                        | 60.7                 | 87.3                             | 10 700                        |
| 52.0                        | 59.4                 | 86.2                             | 9 600                         |
| 54.0                        | 58.0                 | 84.9                             | 8 700                         |
| 56.0                        | 56.6                 | 83.7                             | 7 800                         |

| Oper.<br>Rad.<br>Meters      | Boom<br>Ang.<br>Deg. | Boom<br>Point<br>Elev.<br>Meters | Boom<br>Capacity<br>Kilograms |
|------------------------------|----------------------|----------------------------------|-------------------------------|
| <b>97.5m (320 Ft.) BOOM</b>  |                      |                                  |                               |
| 58.0                         | 55.2                 | 82.3                             | 7 000                         |
| 60.0                         | 53.7                 | 80.8                             | 6 300                         |
| 62.0                         | 52.3                 | 79.3                             | 5 600                         |
| 64.0                         | 50.7                 | 77.7                             | 4 900                         |
| 66.0                         | 49.2                 | 76.0                             | 4 400                         |
| 68.0                         | 47.6                 | 74.2                             | 3 800                         |
| 70.0                         | 46.0                 | 72.3                             | 3 300                         |
| 72.0                         | 44.4                 | 70.3                             | 2 800                         |
| 74.0                         | 42.6                 | 68.2                             | 2 400                         |
| 76.0                         | 40.9                 | 66.0                             | 1 900                         |
| <b>100.6m (330 Ft.) BOOM</b> |                      |                                  |                               |
| 14.6                         | 83.0                 | 102.2                            | 41 700 *                      |
| 15.0                         | 82.8                 | 102.2                            | 41 200 *                      |
| 16.0                         | 82.2                 | 102.0                            | 39 900 *                      |
| 18.0                         | 81.1                 | 101.7                            | 37 600 *                      |
| 20.0                         | 79.9                 | 101.4                            | 35 700 *                      |
| 22.0                         | 78.7                 | 101.0                            | 33 900 *                      |
| 24.0                         | 77.6                 | 100.6                            | 32 300 *                      |
| 26.0                         | 76.4                 | 100.1                            | 30 900 *                      |
| 28.0                         | 75.2                 | 99.6                             | 29 400                        |
| 30.0                         | 74.1                 | 99.0                             | 26 600                        |
| 32.0                         | 72.9                 | 98.4                             | 24 300                        |
| 34.0                         | 71.7                 | 97.8                             | 22 200                        |
| 36.0                         | 70.5                 | 97.1                             | 20 300                        |
| 38.0                         | 69.2                 | 96.4                             | 18 500                        |
| 40.0                         | 68.0                 | 95.6                             | 17 000                        |
| 42.0                         | 66.8                 | 94.7                             | 15 600                        |
| 44.0                         | 65.5                 | 93.8                             | 14 300                        |
| 46.0                         | 64.3                 | 92.9                             | 13 100                        |
| 48.0                         | 63.0                 | 91.9                             | 11 900                        |
| 50.0                         | 61.7                 | 90.8                             | 10 800                        |
| 52.0                         | 60.4                 | 89.7                             | 9 800                         |
| 54.0                         | 59.1                 | 88.5                             | 8 800                         |
| 56.0                         | 57.7                 | 87.3                             | 8 000                         |
| 58.0                         | 56.4                 | 86.0                             | 7 200                         |
| 60.0                         | 55.0                 | 84.6                             | 6 400                         |
| 62.0                         | 53.6                 | 83.2                             | 5 700                         |
| 64.0                         | 52.2                 | 81.6                             | 5 100                         |
| 66.0                         | 50.7                 | 80.0                             | 4 500                         |
| 68.0                         | 49.2                 | 78.3                             | 4 000                         |
| 70.0                         | 47.7                 | 76.5                             | 3 400                         |
| 72.0                         | 46.1                 | 74.7                             | 2 900                         |
| 74.0                         | 44.5                 | 72.7                             | 2 500                         |
| 76.0                         | 42.8                 | 70.5                             | 2 000                         |