

# Liftcrane Boom Capacities

**Boom No. 57**  
**83 870 kg Crane Counterweight**  
**19 960 kg Carbody Counterweight**  
**360 Degree Rating**

**European Standards**  
14 m/s Maximum Wind thru 54,5 m Boom  
12 m/s with 57,5 m and 60,5 m Boom  
10 m/s with 63,5 m thru 78,5 m Boom  
Conditions include jib when attached

## 15000 SERIES 2

**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 (\*). Capacities indicated by (b) require 5 670 kg minimum weight.

Upper boom point capacity for liftcrane service with single part whip line is 13 380 kg or 26 760 kg with two part whip line. When boom butt mounted auxiliary drum is used, capacity with single part whip line is 9 070 kg or 18 140 kg with two part whip line. In all cases, upper boom point capacities cannot exceed those listed for main boom capacity.

75,5 m and 78,5 m boom lengths require only the middle two sheaves in 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. Refer to boom rigging **No. A07850** or **No. 81001545**, and Wire Rope Specification chart **No. 8608-A**. Crane operator judgment must be used to allow for dynamic load effects of swinging, hoisting or lowering, travel, wind conditions, as well as adverse operating conditions and physical machine depreciation. Refer to Operator's Manual for operating guidelines.

**WIND CONDITIONS:** Machine may be operated in winds stated in maximum 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. Loads must be compensated for accordingly by reducing load ratings, reducing operating speeds, or by a combination of both. Recommend stopping operation and lowering boom and jib to no higher than 70 degree boom angle when wind exceeds conditions stated. Lower boom and jib to ground when wind is above 22 m/s.

**MACHINE TRAVEL:** Machine to travel on a firm, level [up to 1 percent (0.5 degrees) grade] and uniformly supporting surface. *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. Boom must be within boom angle range shown in capacity chart. Refer to Maximum Allowable Travel Specification chart **No. 8615-A**.

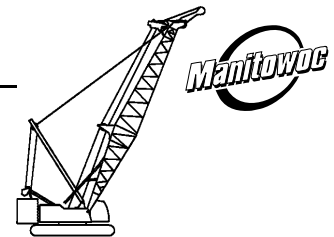
**OPERATING RADIUS:** Operating radius is horizontal distance from axis of rotation to center of vertical hoist line or load block. Boom angle is angle between horizontal and centerline of boom butt and inserts, and is an indication of operating radius. In all cases, operating radius shall govern capacity.

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

**MACHINE EQUIPMENT:** Machine equipped with 8 585 mm crawlers, 1 219 mm treads, 3 124 mm retractable gantry, 9 144 mm live mast, 20 part boom hoist reeving, boom support straps, 83 870 kg crane counterweight and 19 960 kg carbody counterweight.

| Maximum Wind Speeds                                                            |              |                 |
|--------------------------------------------------------------------------------|--------------|-----------------|
| Boom Lengths                                                                   | Working Wind | Lower To Ground |
| 21,5 m - 54,5 m                                                                | 14 m/s       | 22 m/s          |
| 57,5 m - 60,5 m                                                                | 12 m/s       | 22 m/s          |
| 63,5 m - 78,5 m                                                                | 10 m/s       | 22 m/s          |
| Wind speed to be measured at boom point elevation. Jib included when attached. |              |                 |

| Wire Rope Guard Roller Deduct                                                              |
|--------------------------------------------------------------------------------------------|
| Deduct 180 kg from boom capacities when wire rope guard timbers are replaced with rollers. |



## Liftcrane Boom Capacities

**Boom No. 57**

**83 870 kg Crane Counterweight**

**19 960 kg Carbody Counterweight**

**360 Degree Rating**

### European Standards

14 m/s Maximum Wind thru 54,5 m Boom

12 m/s with 57,5 m and 60,5 m Boom

10 m/s with 63,5 m thru 78,5 m Boom

Conditions include jib when attached

## 15000 SERIES 2

Capacities based on structural competence are denoted by an asterisk (\*).

| Maximum Boom and Jib Length Raising                  |             |                       |             |
|------------------------------------------------------|-------------|-----------------------|-------------|
| Over End of Blocked Crawlers                         |             | Over Side of Crawlers |             |
| Boom Length                                          | Jib No. 134 | Boom Length           | Jib No. 134 |
| 78,5 m                                               | —           | 69,5 m                | —           |
| 75,5 m                                               | 9,1 m       | 66,5 m                | 12,2 m      |
| 72,5 m                                               | 15,2 m      | 63,5 m                | 21,3 m      |
| 69,5 m                                               | 24,4 m      | 60,5 m                | 24,4 m      |
| Load block, hook and weight ball on ground at start. |             |                       |             |

| Deduct From Capacities When Jib Is Attached |             |
|---------------------------------------------|-------------|
| Jib Length                                  | Jib No. 134 |
| 9,1 m                                       | 1 360 kg    |
| 12,2 m                                      | 1 720 kg    |
| 15,2 m                                      | 2 090 kg    |
| 18,3 m                                      | 2 490 kg    |
| 21,3 m                                      | 2 950 kg    |
| 24,4 m                                      | 3 400 kg    |

Consult jib chart for jib capacities.

Upper boom point must be removed when jib is attached.

| Oper. Rad. Meters | Boom Ang. Deg. | Boom Point Elev. Meters | Boom Capacity Kilograms |
|-------------------|----------------|-------------------------|-------------------------|
| 21.5m Boom        |                |                         |                         |
| 4.9               | 82.9           | 23.7                    | 212 800 *b              |
| 5.0               | 82.5           | 23.7                    | 208 100 *b              |
| 5.5               | 81.2           | 23.6                    | 190 400 *b              |
| 6.0               | 79.8           | 23.5                    | 175 500 *b              |
| 7.0               | 77.1           | 23.3                    | 151 500 *b              |
| 8.0               | 74.3           | 23.0                    | 133 200                 |
| 9.0               | 71.5           | 22.6                    | 116 900                 |
| 10.0              | 68.6           | 22.2                    | 102 400                 |
| 11.0              | 65.7           | 21.8                    | 90 300                  |
| 12.0              | 62.7           | 21.3                    | 79 400                  |
| 13.0              | 59.6           | 20.7                    | 70 700                  |
| 14.0              | 56.4           | 20.0                    | 63 500                  |
| 15.0              | 53.0           | 19.2                    | 57 600                  |
| 16.0              | 49.5           | 18.4                    | 52 500                  |
| 18.0              | 41.8           | 16.3                    | 44 400                  |
| 20.0              | 32.6           | 13.5                    | 38 200                  |

| Oper. Rad. Meters | Boom Ang. Deg. | Boom Point Elev. Meters | Boom Capacity Kilograms |
|-------------------|----------------|-------------------------|-------------------------|
| 24.5m Boom        |                |                         |                         |
| 5.2               | 83.0           | 26.7                    | 200 800 *b              |
| 5.5               | 82.3           | 26.7                    | 190 000 *b              |
| 6.0               | 81.1           | 26.6                    | 175 100 *b              |
| 7.0               | 78.7           | 26.4                    | 151 200 *b              |
| 8.0               | 76.3           | 26.1                    | 130 800                 |
| 9.0               | 73.8           | 25.8                    | 113 100                 |
| 10.0              | 71.4           | 25.5                    | 99 500                  |
| 11.0              | 68.9           | 25.1                    | 88 700                  |
| 12.0              | 66.3           | 24.6                    | 79 400                  |
| 13.0              | 63.7           | 24.1                    | 70 600                  |
| 14.0              | 61.0           | 23.6                    | 63 500                  |
| 15.0              | 58.2           | 23.0                    | 57 500                  |
| 16.0              | 55.4           | 22.3                    | 52 400                  |
| 18.0              | 49.4           | 20.6                    | 44 300                  |
| 20.0              | 42.7           | 18.6                    | 38 200                  |
| 22.0              | 34.9           | 15.9                    | 33 200                  |
| 24.0              | 25.1           | 12.2                    | 29 200                  |

| Oper. Rad. Meters | Boom Ang. Deg. | Boom Point Elev. Meters | Boom Capacity Kilograms |
|-------------------|----------------|-------------------------|-------------------------|
| 27.5m Boom        |                |                         |                         |
| 5.8               | 82.5           | 29.7                    | 180 800 *b              |
| 6.0               | 82.1           | 29.6                    | 174 900 *b              |
| 7.0               | 79.9           | 29.4                    | 149 000 b               |
| 8.0               | 77.8           | 29.2                    | 126 500                 |
| 9.0               | 75.7           | 29.0                    | 109 800                 |
| 10.0              | 73.5           | 28.6                    | 96 800                  |
| 11.0              | 71.3           | 28.3                    | 86 400                  |
| 12.0              | 69.0           | 27.9                    | 77 900                  |
| 13.0              | 66.8           | 27.5                    | 70 600                  |
| 14.0              | 64.5           | 27.0                    | 63 400                  |
| 15.0              | 62.1           | 26.5                    | 57 400                  |
| 16.0              | 59.7           | 25.9                    | 52 400                  |
| 18.0              | 54.6           | 24.5                    | 44 200                  |
| 20.0              | 49.2           | 22.9                    | 38 100                  |
| 22.0              | 43.3           | 20.9                    | 33 200                  |
| 24.0              | 36.6           | 18.3                    | 29 200                  |
| 26.0              | 28.6           | 15.0                    | 25 900                  |

Capacities indicated by (b) require 5 670 kg minimum weight.



# Liftcrane Boom Capacities

**Boom No. 57**  
**83 870 kg Crane Counterweight**  
**19 960 kg Carbody Counterweight**  
**360 Degree Rating**

**European Standards**  
14 m/s Maximum Wind thru 54,5 m Boom  
12 m/s with 57,5 m and 60,5 m Boom  
10 m/s with 63,5 m thru 78,5 m Boom  
Conditions include jib when attached

## 15000 SERIES 2

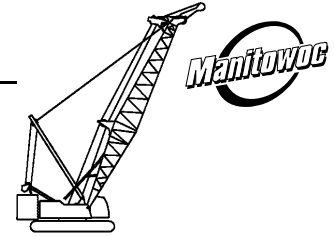
Capacities based on structural competence are denoted by an asterisk (\*).

| Oper. Rad. Meters | Boom Ang. Deg. | Boom Point Elev. Meters | Boom Capacity Kilograms |
|-------------------|----------------|-------------------------|-------------------------|
| <b>30.5m Boom</b> |                |                         |                         |
| 6.1               | 82.7           | 32.6                    | 168 900 <b>b</b>        |
| 7.0               | 80.9           | 32.5                    | 143 300 <b>b</b>        |
| 8.0               | 79.0           | 32.3                    | 122 500                 |
| 9.0               | 77.1           | 32.1                    | 106 800                 |
| 10.0              | 75.2           | 31.8                    | 94 400                  |
| 11.0              | 73.2           | 31.5                    | 84 400                  |
| 12.0              | 71.2           | 31.1                    | 76 200                  |
| 13.0              | 69.2           | 30.7                    | 69 400                  |
| 14.0              | 67.2           | 30.3                    | 63 500                  |
| 15.0              | 65.1           | 29.9                    | 57 500                  |
| 16.0              | 63.0           | 29.3                    | 52 400                  |
| 18.0              | 58.6           | 28.2                    | 44 300                  |
| 20.0              | 54.0           | 26.8                    | 38 200                  |
| 22.0              | 49.1           | 25.1                    | 33 300                  |
| 24.0              | 43.8           | 23.1                    | 29 300                  |
| 26.0              | 37.9           | 20.7                    | 26 000                  |
| 28.0              | 31.1           | 17.6                    | 23 200                  |
| 30.0              | 22.3           | 13.4                    | 20 800                  |
| <b>33.5m Boom</b> |                |                         |                         |
| 6.7               | 82.3           | 35.6                    | 145 300                 |
| 7.0               | 81.8           | 35.5                    | 138 600                 |
| 8.0               | 80.0           | 35.4                    | 118 700                 |
| 9.0               | 78.3           | 35.1                    | 103 700                 |
| 10.0              | 76.5           | 34.9                    | 91 900                  |
| 11.0              | 74.7           | 34.6                    | 82 300                  |
| 12.0              | 73.0           | 34.3                    | 74 400                  |
| 13.0              | 71.1           | 34.0                    | 67 800                  |
| 14.0              | 69.3           | 33.6                    | 62 100                  |
| 15.0              | 67.5           | 33.2                    | 57 200                  |
| 16.0              | 65.6           | 32.7                    | 52 500                  |
| 18.0              | 61.7           | 31.7                    | 44 100                  |
| 20.0              | 57.7           | 30.4                    | 38 000                  |
| 22.0              | 53.5           | 29.0                    | 33 100                  |
| 24.0              | 49.0           | 27.3                    | 29 100                  |
| 26.0              | 44.2           | 25.4                    | 25 800                  |
| 28.0              | 39.0           | 23.0                    | 23 100                  |
| 30.0              | 33.0           | 20.1                    | 20 700                  |
| 32.0              | 25.7           | 16.4                    | 18 600                  |

| Oper. Rad. Meters | Boom Ang. Deg. | Boom Point Elev. Meters | Boom Capacity Kilograms |
|-------------------|----------------|-------------------------|-------------------------|
| <b>36.5m Boom</b> |                |                         |                         |
| 6.7               | 82.9           | 38.6                    | 140 200                 |
| 7.0               | 82.4           | 38.6                    | 133 900                 |
| 8.0               | 80.9           | 38.4                    | 115 200                 |
| 9.0               | 79.3           | 38.2                    | 100 900                 |
| 10.0              | 77.7           | 38.0                    | 89 600                  |
| 11.0              | 76.0           | 37.7                    | 80 400                  |
| 12.0              | 74.4           | 37.5                    | 72 800                  |
| 13.0              | 72.8           | 37.1                    | 66 400                  |
| 14.0              | 71.1           | 36.8                    | 60 900                  |
| 15.0              | 69.4           | 36.4                    | 56 200                  |
| 16.0              | 67.7           | 36.0                    | 51 900                  |
| 18.0              | 64.2           | 35.1                    | 44 200                  |
| 20.0              | 60.7           | 34.0                    | 37 900                  |
| 22.0              | 57.0           | 32.7                    | 33 000                  |
| 24.0              | 53.1           | 31.2                    | 29 100                  |
| 26.0              | 49.0           | 29.6                    | 25 800                  |
| 28.0              | 44.6           | 27.6                    | 23 000                  |
| 30.0              | 39.8           | 25.3                    | 20 700                  |
| 32.0              | 34.5           | 22.6                    | 18 600                  |
| 34.0              | 28.3           | 19.1                    | 16 800                  |
| 36.0              | 20.3           | 14.5                    | 15 200                  |
| <b>39.5m Boom</b> |                |                         |                         |
| 7.3               | 82.6           | 41.6                    | 123 200                 |
| 8.0               | 81.6           | 41.5                    | 111 800                 |
| 9.0               | 80.1           | 41.3                    | 98 200                  |
| 10.0              | 78.6           | 41.1                    | 87 400                  |
| 11.0              | 77.1           | 40.8                    | 78 600                  |
| 12.0              | 75.6           | 40.6                    | 71 200                  |
| 13.0              | 74.1           | 40.3                    | 65 000                  |
| 14.0              | 72.6           | 40.0                    | 59 700                  |
| 15.0              | 71.0           | 39.6                    | 55 100                  |
| 16.0              | 69.5           | 39.2                    | 51 100                  |
| 18.0              | 66.3           | 38.4                    | 44 000                  |
| 20.0              | 63.1           | 37.4                    | 37 800                  |
| 22.0              | 59.8           | 36.3                    | 33 000                  |
| 24.0              | 56.3           | 35.0                    | 29 000                  |
| 26.0              | 52.7           | 33.5                    | 25 700                  |
| 28.0              | 48.9           | 31.8                    | 22 900                  |
| 30.0              | 44.9           | 29.9                    | 20 600                  |
| 32.0              | 40.5           | 27.6                    | 18 600                  |
| 34.0              | 35.7           | 25.0                    | 16 700                  |
| 36.0              | 30.2           | 21.8                    | 15 200                  |
| 38.0              | 23.6           | 17.6                    | 13 800                  |

| Oper. Rad. Meters | Boom Ang. Deg. | Boom Point Elev. Meters | Boom Capacity Kilograms |
|-------------------|----------------|-------------------------|-------------------------|
| <b>42.5m Boom</b> |                |                         |                         |
| 7.9               | 82.3           | 44.5                    | 109 600                 |
| 8.0               | 82.2           | 44.5                    | 108 600                 |
| 9.0               | 80.8           | 44.3                    | 95 600                  |
| 10.0              | 79.4           | 44.1                    | 85 300                  |
| 11.0              | 78.0           | 43.9                    | 76 800                  |
| 12.0              | 76.7           | 43.7                    | 69 700                  |
| 13.0              | 75.3           | 43.4                    | 63 700                  |
| 14.0              | 73.9           | 43.1                    | 58 500                  |
| 15.0              | 72.4           | 42.8                    | 54 100                  |
| 16.0              | 71.0           | 42.5                    | 50 100                  |
| 18.0              | 68.1           | 41.7                    | 43 600                  |
| 20.0              | 65.2           | 40.8                    | 37 800                  |
| 22.0              | 62.1           | 39.7                    | 32 900                  |
| 24.0              | 59.0           | 38.6                    | 28 900                  |
| 26.0              | 55.8           | 37.2                    | 25 600                  |
| 28.0              | 52.4           | 35.7                    | 22 800                  |
| 30.0              | 48.9           | 34.0                    | 20 500                  |
| 32.0              | 45.1           | 32.1                    | 18 500                  |
| 34.0              | 41.1           | 29.9                    | 16 700                  |
| 36.0              | 36.7           | 27.3                    | 15 100                  |
| 38.0              | 31.8           | 24.3                    | 13 700                  |
| 40.0              | 26.1           | 20.5                    | 12 500                  |
| 42.0              | 18.7           | 15.5                    | 11 300                  |
| <b>45.5m Boom</b> |                |                         |                         |
| 7.9               | 82.8           | 47.5                    | 106 400                 |
| 8.0               | 82.7           | 47.5                    | 105 400                 |
| 9.0               | 81.4           | 47.4                    | 93 000                  |
| 10.0              | 80.1           | 47.2                    | 83 100                  |
| 11.0              | 78.8           | 47.0                    | 74 900                  |
| 12.0              | 77.6           | 46.8                    | 68 000                  |
| 13.0              | 76.3           | 46.5                    | 62 200                  |
| 14.0              | 75.0           | 46.2                    | 57 200                  |
| 15.0              | 73.6           | 45.9                    | 52 900                  |
| 16.0              | 72.3           | 45.6                    | 49 100                  |
| 18.0              | 69.6           | 44.9                    | 42 700                  |
| 20.0              | 66.9           | 44.1                    | 37 500                  |
| 22.0              | 64.1           | 43.1                    | 32 600                  |
| 24.0              | 61.3           | 42.0                    | 28 700                  |
| 26.0              | 58.3           | 40.8                    | 25 300                  |
| 28.0              | 55.3           | 39.5                    | 22 600                  |
| 30.0              | 52.1           | 38.0                    | 20 200                  |
| 32.0              | 48.8           | 36.3                    | 18 200                  |
| 34.0              | 45.3           | 34.4                    | 16 400                  |
| 36.0              | 41.6           | 32.2                    | 14 900                  |
| 38.0              | 37.6           | 29.7                    | 13 500                  |
| 40.0              | 33.1           | 26.8                    | 12 200                  |
| 42.0              | 28.1           | 23.3                    | 11 100                  |
| 44.0              | 21.9           | 18.8                    | 10 100                  |

Capacities indicated by (b) require 5 670 kg minimum weight.



# Liftcrane Boom Capacities

**Boom No. 57**  
**83 870 kg Crane Counterweight**  
**19 960 kg Carbody Counterweight**  
**360 Degree Rating**

**European Standards**  
**14 m/s Maximum Wind thru 54,5 m Boom**  
**12 m/s with 57,5 m and 60,5 m Boom**  
**10 m/s with 63,5 m thru 78,5 m Boom**  
**Conditions include jib when attached**

## 15000 SERIES 2

Capacities based on  
structural competence are  
denoted by an asterisk (\*).

| Oper.<br>Rad.<br>Meters | Boom<br>Ang.<br>Deg. | Boom<br>Point<br>Elev.<br>Meters | Boom<br>Capacity<br>Kilograms |
|-------------------------|----------------------|----------------------------------|-------------------------------|
| <b>48.5m Boom</b>       |                      |                                  |                               |
| 8.5                     | 82.5                 | 50.5                             | 95 700                        |
| 9.0                     | 81.9                 | 50.4                             | 90 700                        |
| 10.0                    | 80.7                 | 50.2                             | 81 100                        |
| 11.0                    | 79.5                 | 50.0                             | 73 200                        |
| 12.0                    | 78.3                 | 49.8                             | 66 600                        |
| 13.0                    | 77.1                 | 49.6                             | 60 900                        |
| 14.0                    | 75.9                 | 49.3                             | 56 100                        |
| 15.0                    | 74.7                 | 49.1                             | 51 800                        |
| 16.0                    | 73.4                 | 48.8                             | 48 100                        |
| 18.0                    | 71.0                 | 48.1                             | 41 900                        |
| 20.0                    | 68.4                 | 47.3                             | 36 800                        |
| 22.0                    | 65.8                 | 46.5                             | 32 600                        |
| 24.0                    | 63.2                 | 45.5                             | 28 500                        |
| 26.0                    | 60.5                 | 44.4                             | 25 300                        |
| 28.0                    | 57.7                 | 43.1                             | 22 500                        |
| 30.0                    | 54.9                 | 41.7                             | 20 100                        |
| 32.0                    | 51.9                 | 40.2                             | 18 100                        |
| 34.0                    | 48.8                 | 38.5                             | 16 300                        |
| 36.0                    | 45.5                 | 36.6                             | 14 700                        |
| 38.0                    | 42.0                 | 34.5                             | 13 400                        |
| 40.0                    | 38.3                 | 32.0                             | 12 100                        |
| 42.0                    | 34.2                 | 29.2                             | 11 000                        |
| 44.0                    | 29.7                 | 25.9                             | 10 000                        |
| 46.0                    | 24.3                 | 21.8                             | 9 000                         |
| <b>51.5m Boom</b>       |                      |                                  |                               |
| 8.5                     | 82.9                 | 53.5                             | 93 200                        |
| 9.0                     | 82.4                 | 53.4                             | 88 400                        |
| 10.0                    | 81.3                 | 53.3                             | 79 100                        |
| 11.0                    | 80.2                 | 53.1                             | 71 500                        |
| 12.0                    | 79.0                 | 52.9                             | 65 100                        |
| 13.0                    | 77.9                 | 52.7                             | 59 700                        |
| 14.0                    | 76.7                 | 52.5                             | 54 900                        |
| 15.0                    | 75.6                 | 52.2                             | 50 800                        |
| 16.0                    | 74.4                 | 51.9                             | 47 100                        |
| 18.0                    | 72.1                 | 51.3                             | 41 100                        |
| 20.0                    | 69.7                 | 50.6                             | 36 100                        |
| 22.0                    | 67.3                 | 49.7                             | 32 100                        |
| 24.0                    | 64.9                 | 48.8                             | 28 400                        |
| 26.0                    | 62.4                 | 47.8                             | 25 100                        |
| 28.0                    | 59.8                 | 46.7                             | 22 300                        |
| 30.0                    | 57.2                 | 45.4                             | 20 000                        |
| 32.0                    | 54.5                 | 44.0                             | 17 900                        |
| 34.0                    | 51.7                 | 42.5                             | 16 100                        |
| 36.0                    | 48.7                 | 40.7                             | 14 600                        |

| Oper.<br>Rad.<br>Meters | Boom<br>Ang.<br>Deg. | Boom<br>Point<br>Elev.<br>Meters | Boom<br>Capacity<br>Kilograms |
|-------------------------|----------------------|----------------------------------|-------------------------------|
| <b>51.5m Boom</b>       |                      |                                  |                               |
| 38.0                    | 45.7                 | 38.8                             | 13 200                        |
| 40.0                    | 42.4                 | 36.7                             | 11 900                        |
| 42.0                    | 39.0                 | 34.3                             | 10 800                        |
| 44.0                    | 35.2                 | 31.6                             | 9 800                         |
| 46.0                    | 31.0                 | 28.5                             | 8 900                         |
| 48.0                    | 26.3                 | 24.7                             | 8 000                         |
| 50.0                    | 20.5                 | 19.9                             | 7 300                         |
| <b>54.5m Boom</b>       |                      |                                  |                               |
| 9.1                     | 82.7                 | 56.5                             | 84 600                        |
| 10.0                    | 81.8                 | 56.3                             | 77 200                        |
| 11.0                    | 80.7                 | 56.2                             | 69 900                        |
| 12.0                    | 79.6                 | 56.0                             | 63 700                        |
| 13.0                    | 78.6                 | 55.8                             | 58 400                        |
| 14.0                    | 77.5                 | 55.5                             | 53 800                        |
| 15.0                    | 76.4                 | 55.3                             | 49 800                        |
| 16.0                    | 75.3                 | 55.0                             | 46 300                        |
| 18.0                    | 73.1                 | 54.4                             | 40 300                        |
| 20.0                    | 70.9                 | 53.8                             | 35 500                        |
| 22.0                    | 68.7                 | 53.0                             | 31 500                        |
| 24.0                    | 66.4                 | 52.1                             | 28 100                        |
| 26.0                    | 64.0                 | 51.2                             | 24 900                        |
| 28.0                    | 61.7                 | 50.1                             | 22 200                        |
| 30.0                    | 59.2                 | 49.0                             | 19 800                        |
| 32.0                    | 56.7                 | 47.7                             | 17 700                        |
| 34.0                    | 54.1                 | 46.2                             | 16 000                        |
| 36.0                    | 51.5                 | 44.7                             | 14 400                        |
| 38.0                    | 48.7                 | 43.0                             | 13 000                        |
| 40.0                    | 45.8                 | 41.1                             | 11 800                        |
| 42.0                    | 42.8                 | 39.0                             | 10 700                        |
| 44.0                    | 39.5                 | 36.6                             | 9 700                         |
| 46.0                    | 36.0                 | 34.0                             | 8 800                         |
| 48.0                    | 32.2                 | 31.0                             | 7 900                         |
| 50.0                    | 27.9                 | 27.4                             | 7 100                         |
| 52.0                    | 22.9                 | 23.0                             | 6 400                         |
| <b>57.5m Boom</b>       |                      |                                  |                               |
| 9.8                     | 82.5                 | 59.4                             | 77 300                        |
| 10.0                    | 82.2                 | 59.4                             | 75 400                        |
| 11.0                    | 81.2                 | 59.2                             | 68 300                        |
| 12.0                    | 80.2                 | 59.0                             | 62 300                        |
| 13.0                    | 79.2                 | 58.8                             | 57 100                        |
| 14.0                    | 78.2                 | 58.6                             | 52 700                        |
| 15.0                    | 77.1                 | 58.4                             | 48 700                        |
| 16.0                    | 76.1                 | 58.1                             | 45 300                        |
| 18.0                    | 74.0                 | 57.6                             | 39 400                        |
| 20.0                    | 71.9                 | 56.9                             | 34 700                        |
| 22.0                    | 69.8                 | 56.2                             | 30 800                        |
| 24.0                    | 67.7                 | 55.4                             | 27 500                        |
| 26.0                    | 65.5                 | 54.5                             | 24 700                        |

| Oper.<br>Rad.<br>Meters | Boom<br>Ang.<br>Deg. | Boom<br>Point<br>Elev.<br>Meters | Boom<br>Capacity<br>Kilograms |
|-------------------------|----------------------|----------------------------------|-------------------------------|
| <b>57.5m Boom</b>       |                      |                                  |                               |
| 28.0                    | 63.3                 | 53.5                             | 21 900                        |
| 30.0                    | 61.0                 | 52.4                             | 19 500                        |
| 32.0                    | 58.7                 | 51.2                             | 17 500                        |
| 34.0                    | 56.3                 | 49.9                             | 15 700                        |
| 36.0                    | 53.8                 | 48.5                             | 14 200                        |
| 38.0                    | 51.3                 | 46.9                             | 12 800                        |
| 40.0                    | 48.7                 | 45.2                             | 11 500                        |
| 42.0                    | 45.9                 | 43.3                             | 10 400                        |
| 44.0                    | 43.1                 | 41.2                             | 9 400                         |
| 46.0                    | 40.0                 | 38.9                             | 8 500                         |
| 48.0                    | 36.8                 | 36.3                             | 7 600                         |
| 50.0                    | 33.2                 | 33.4                             | 6 900                         |
| 52.0                    | 29.3                 | 30.0                             | 6 100                         |
| 54.0                    | 24.8                 | 26.0                             | 5 500                         |
| 56.0                    | 19.4                 | 20.9                             | 4 900                         |
| <b>60.5m Boom</b>       |                      |                                  |                               |
| 9.8                     | 82.8                 | 62.4                             | 75 400                        |
| 10.0                    | 82.6                 | 62.4                             | 73 600                        |
| 11.0                    | 81.6                 | 62.2                             | 66 700                        |
| 12.0                    | 80.7                 | 62.1                             | 60 900                        |
| 13.0                    | 79.7                 | 61.9                             | 55 900                        |
| 14.0                    | 78.7                 | 61.7                             | 51 600                        |
| 15.0                    | 77.8                 | 61.5                             | 47 800                        |
| 16.0                    | 76.8                 | 61.2                             | 44 400                        |
| 18.0                    | 74.8                 | 60.7                             | 38 700                        |
| 20.0                    | 72.9                 | 60.1                             | 34 000                        |
| 22.0                    | 70.9                 | 59.4                             | 30 200                        |
| 24.0                    | 68.8                 | 58.7                             | 26 900                        |
| 26.0                    | 66.8                 | 57.8                             | 24 100                        |
| 28.0                    | 64.7                 | 56.9                             | 21 700                        |
| 30.0                    | 62.6                 | 55.9                             | 19 300                        |
| 32.0                    | 60.4                 | 54.7                             | 17 300                        |
| 34.0                    | 58.2                 | 53.5                             | 15 500                        |
| 36.0                    | 55.9                 | 52.2                             | 14 000                        |
| 38.0                    | 53.6                 | 50.7                             | 12 600                        |
| 40.0                    | 51.2                 | 49.2                             | 11 300                        |
| 42.0                    | 48.7                 | 47.5                             | 10 200                        |
| 44.0                    | 46.1                 | 45.6                             | 9 200                         |
| 46.0                    | 43.3                 | 43.5                             | 8 300                         |
| 48.0                    | 40.5                 | 41.2                             | 7 400                         |
| 50.0                    | 37.4                 | 38.7                             | 6 700                         |
| 52.0                    | 34.1                 | 35.8                             | 6 000                         |
| 54.0                    | 30.5                 | 32.6                             | 5 300                         |
| 56.0                    | 26.4                 | 28.8                             | 4 700                         |
| 58.0                    | 21.7                 | 24.2                             | 4 100                         |



# Liftcrane Boom Capacities

**Boom No. 57**  
**83 870 kg Crane Counterweight**  
**19 960 kg Carbody Counterweight**  
**360 Degree Rating**

**European Standards**  
**14 m/s Maximum Wind thru 54,5 m Boom**  
**12 m/s with 57,5 m and 60,5 m Boom**  
**10 m/s with 63,5 m thru 78,5 m Boom**  
**Conditions include jib when attached**

## 15000 SERIES 2

Capacities based on  
structural competence are  
denoted by an asterisk (\*).

| Oper.<br>Rad.<br>Meters | Boom<br>Ang.<br>Deg. | Boom<br>Point<br>Elev.<br>Meters | Boom<br>Capacity<br>Kilograms |
|-------------------------|----------------------|----------------------------------|-------------------------------|
| <b>63.5m Boom</b>       |                      |                                  |                               |
| 10.4                    | 82.6                 | 65.4                             | 69 300                        |
| 11.0                    | 82.0                 | 65.3                             | 65 200                        |
| 12.0                    | 81.1                 | 65.1                             | 59 600                        |
| 13.0                    | 80.2                 | 64.9                             | 54 700                        |
| 14.0                    | 79.3                 | 64.7                             | 50 500                        |
| 15.0                    | 78.4                 | 64.5                             | 46 800                        |
| 16.0                    | 77.4                 | 64.3                             | 43 500                        |
| 18.0                    | 75.6                 | 63.8                             | 37 900                        |
| 20.0                    | 73.7                 | 63.2                             | 33 300                        |
| 22.0                    | 71.8                 | 62.6                             | 29 600                        |
| 24.0                    | 69.9                 | 61.9                             | 26 400                        |
| 26.0                    | 67.9                 | 61.1                             | 23 600                        |
| 28.0                    | 66.0                 | 60.2                             | 21 300                        |
| 30.0                    | 64.0                 | 59.2                             | 19 200                        |
| 32.0                    | 61.9                 | 58.2                             | 17 100                        |
| 34.0                    | 59.9                 | 57.0                             | 15 300                        |
| 36.0                    | 57.7                 | 55.8                             | 13 700                        |
| 38.0                    | 55.6                 | 54.5                             | 12 400                        |
| 40.0                    | 53.3                 | 53.0                             | 11 100                        |
| 42.0                    | 51.0                 | 51.4                             | 10 000                        |
| 44.0                    | 48.6                 | 49.7                             | 9 000                         |
| 46.0                    | 46.2                 | 47.8                             | 8 100                         |
| 48.0                    | 43.6                 | 45.7                             | 7 300                         |
| 50.0                    | 40.9                 | 43.5                             | 6 500                         |
| 52.0                    | 38.0                 | 41.0                             | 5 800                         |
| 54.0                    | 34.9                 | 38.2                             | 5 100                         |
| 56.0                    | 31.5                 | 35.1                             | 4 600                         |
| 58.0                    | 27.8                 | 31.5                             | 4 000                         |
| 60.0                    | 23.6                 | 27.2                             | 3 400                         |
| 62.0                    | 18.4                 | 21.9                             | 2 900                         |
| <b>66.5m Boom</b>       |                      |                                  |                               |
| 10.4                    | 83.0                 | 68.4                             | 67 700                        |
| 11.0                    | 82.4                 | 68.3                             | 63 700                        |
| 12.0                    | 81.5                 | 68.2                             | 58 300                        |
| 13.0                    | 80.7                 | 68.0                             | 53 600                        |
| 14.0                    | 79.8                 | 67.8                             | 49 500                        |
| 15.0                    | 78.9                 | 67.6                             | 45 800                        |
| 16.0                    | 78.0                 | 67.4                             | 42 600                        |
| 18.0                    | 76.2                 | 66.9                             | 37 100                        |
| 20.0                    | 74.5                 | 66.4                             | 32 700                        |
| 22.0                    | 72.7                 | 65.7                             | 28 900                        |
| 24.0                    | 70.8                 | 65.1                             | 25 800                        |
| 26.0                    | 69.0                 | 64.3                             | 23 100                        |
| 28.0                    | 67.1                 | 63.5                             | 20 800                        |
| 30.0                    | 65.2                 | 62.6                             | 18 800                        |
| 32.0                    | 63.3                 | 61.6                             | 16 900                        |
| 34.0                    | 61.4                 | 60.5                             | 15 100                        |
| 36.0                    | 59.4                 | 59.3                             | 13 600                        |
| 38.0                    | 57.3                 | 58.1                             | 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>66.5m Boom</b>       |                      |                                  |                               |
| 40.0                    | 55.2                 | 56.7                             | 10 900                        |
| 42.0                    | 53.1                 | 55.2                             | 9 800                         |
| 44.0                    | 50.9                 | 53.7                             | 8 800                         |
| 46.0                    | 48.6                 | 51.9                             | 7 900                         |
| 48.0                    | 46.3                 | 50.0                             | 7 100                         |
| 50.0                    | 43.8                 | 48.0                             | 6 300                         |
| 52.0                    | 41.2                 | 45.8                             | 5 600                         |
| 54.0                    | 38.5                 | 43.3                             | 5 000                         |
| 56.0                    | 35.6                 | 40.6                             | 4 300                         |
| 58.0                    | 32.5                 | 37.6                             | 3 800                         |
| 60.0                    | 29.0                 | 34.2                             | 3 300                         |
| 62.0                    | 25.2                 | 30.1                             | 2 800                         |
| 64.0                    | 20.6                 | 25.3                             | 2 300                         |
| <b>69.5m Boom</b>       |                      |                                  |                               |
| 11.0                    | 82.8                 | 71.3                             | 62 500                        |
| 12.0                    | 81.9                 | 71.2                             | 57 000                        |
| 13.0                    | 81.1                 | 71.0                             | 52 400                        |
| 14.0                    | 80.2                 | 70.8                             | 48 400                        |
| 15.0                    | 79.4                 | 70.7                             | 44 800                        |
| 16.0                    | 78.5                 | 70.5                             | 41 700                        |
| 18.0                    | 76.9                 | 70.0                             | 36 300                        |
| 20.0                    | 75.1                 | 69.5                             | 31 900                        |
| 22.0                    | 73.4                 | 68.9                             | 28 300                        |
| 24.0                    | 71.7                 | 68.2                             | 25 200                        |
| 26.0                    | 69.9                 | 67.5                             | 22 500                        |
| 28.0                    | 68.2                 | 66.7                             | 20 200                        |
| 30.0                    | 66.4                 | 65.9                             | 18 200                        |
| 32.0                    | 64.6                 | 64.9                             | 16 500                        |
| 34.0                    | 62.7                 | 63.9                             | 14 900                        |
| 36.0                    | 60.8                 | 62.8                             | 13 300                        |
| 38.0                    | 58.9                 | 61.6                             | 11 900                        |
| 40.0                    | 57.0                 | 60.4                             | 10 700                        |
| 42.0                    | 54.9                 | 59.0                             | 9 500                         |
| 44.0                    | 52.9                 | 57.5                             | 8 500                         |
| 46.0                    | 50.8                 | 55.9                             | 7 600                         |
| 48.0                    | 48.6                 | 54.2                             | 6 800                         |
| 50.0                    | 46.3                 | 52.3                             | 6 000                         |
| 52.0                    | 44.0                 | 50.3                             | 5 300                         |
| 54.0                    | 41.5                 | 48.0                             | 4 600                         |
| 56.0                    | 39.0                 | 45.6                             | 4 100                         |
| 58.0                    | 36.2                 | 43.0                             | 3 500                         |
| 60.0                    | 33.3                 | 40.0                             | 3 000                         |
| 62.0                    | 30.1                 | 36.7                             | 2 500                         |
| 64.0                    | 26.6                 | 32.9                             | 2 000                         |

| Oper.<br>Rad.<br>Meters | Boom<br>Ang.<br>Deg. | Boom<br>Point<br>Elev.<br>Meters | Boom<br>Capacity<br>Kilograms |
|-------------------------|----------------------|----------------------------------|-------------------------------|
| <b>72.5m Boom</b>       |                      |                                  |                               |
| 11.6                    | 82.6                 | 74.3                             | 57 800                        |
| 12.0                    | 82.2                 | 74.2                             | 55 800                        |
| 13.0                    | 81.4                 | 74.1                             | 51 300                        |
| 14.0                    | 80.6                 | 73.9                             | 47 300                        |
| 15.0                    | 79.8                 | 73.7                             | 43 900                        |
| 16.0                    | 79.0                 | 73.5                             | 40 800                        |
| 18.0                    | 77.4                 | 73.1                             | 35 500                        |
| 20.0                    | 75.8                 | 72.6                             | 31 200                        |
| 22.0                    | 74.1                 | 72.0                             | 27 700                        |
| 24.0                    | 72.5                 | 71.4                             | 24 600                        |
| 26.0                    | 70.8                 | 70.7                             | 22 000                        |
| 28.0                    | 69.1                 | 70.0                             | 19 700                        |
| 30.0                    | 67.4                 | 69.2                             | 17 800                        |
| 32.0                    | 65.7                 | 68.3                             | 16 000                        |
| 34.0                    | 63.9                 | 67.3                             | 14 400                        |
| 36.0                    | 62.1                 | 66.3                             | 13 000                        |
| 38.0                    | 60.3                 | 65.1                             | 11 700                        |
| 40.0                    | 58.5                 | 63.9                             | 10 400                        |
| 42.0                    | 56.6                 | 62.6                             | 9 300                         |
| 44.0                    | 54.7                 | 61.2                             | 8 300                         |
| 46.0                    | 52.7                 | 59.7                             | 7 400                         |
| 48.0                    | 50.7                 | 58.1                             | 6 600                         |
| 50.0                    | 48.6                 | 56.4                             | 5 800                         |
| 52.0                    | 46.4                 | 54.5                             | 5 100                         |
| 54.0                    | 44.2                 | 52.5                             | 4 500                         |
| 56.0                    | 41.8                 | 50.3                             | 3 800                         |
| 58.0                    | 39.4                 | 48.0                             | 3 300                         |
| 60.0                    | 36.8                 | 45.3                             | 2 800                         |
| 62.0                    | 34.0                 | 42.5                             | 2 300                         |
| 64.0                    | 31.0                 | 39.3                             | 1 800                         |



# Liftcrane Boom Capacities

**Boom No. 57**

**83 870 kg Crane Counterweight**

**19 960 kg Carbody Counterweight**

**360 Degree Rating**

## European Standards

**14 m/s Maximum Wind thru 54,5 m Boom**

**12 m/s with 57,5 m and 60,5 m Boom**

**10 m/s with 63,5 m thru 78,5 m Boom**

**Conditions include jib when attached**

## 15000 SERIES 2

Capacities based on structural competence are denoted by an asterisk (\*).

| Oper. Rad. Meters | Boom Ang. Deg. | Boom Point Elev. Meters | Boom Capacity Kilograms |
|-------------------|----------------|-------------------------|-------------------------|
| <b>75.5m Boom</b> |                |                         |                         |
| 11.6              | 82.9           | 77.3                    | 53 500 *                |
| 12.0              | 82.5           | 77.2                    | 53 500 *                |
| 13.0              | 81.8           | 77.1                    | 50 600                  |
| 14.0              | 81.0           | 76.9                    | 46 700                  |
| 15.0              | 80.2           | 76.8                    | 43 400                  |
| 16.0              | 79.5           | 76.6                    | 40 400                  |
| 18.0              | 77.9           | 76.2                    | 35 200                  |
| 20.0              | 76.4           | 75.7                    | 31 000                  |
| 22.0              | 74.8           | 75.2                    | 27 500                  |
| 24.0              | 73.2           | 74.6                    | 24 500                  |
| 26.0              | 71.6           | 73.9                    | 21 900                  |
| 28.0              | 70.0           | 73.2                    | 19 700                  |
| 30.0              | 68.4           | 72.4                    | 17 700                  |
| 32.0              | 66.7           | 71.6                    | 16 000                  |
| 34.0              | 65.0           | 70.6                    | 14 400                  |
| 36.0              | 63.4           | 69.7                    | 13 000                  |
| 38.0              | 61.6           | 68.6                    | 11 800                  |
| 40.0              | 59.9           | 67.4                    | 10 600                  |
| 42.0              | 58.1           | 66.2                    | 9 500                   |
| 44.0              | 56.3           | 64.9                    | 8 400                   |
| 46.0              | 54.4           | 63.5                    | 7 500                   |
| 48.0              | 52.5           | 62.0                    | 6 700                   |
| 50.0              | 50.6           | 60.4                    | 5 900                   |
| 52.0              | 48.6           | 58.6                    | 5 200                   |
| 54.0              | 46.5           | 56.8                    | 4 600                   |
| 56.0              | 44.3           | 54.8                    | 4 000                   |
| 58.0              | 42.1           | 52.6                    | 3 400                   |
| 60.0              | 39.8           | 50.2                    | 2 900                   |
| 62.0              | 37.3           | 47.7                    | 2 400                   |
| 64.0              | 34.7           | 44.9                    | 1 900                   |

| Oper. Rad. Meters | Boom Ang. Deg. | Boom Point Elev. Meters | Boom Capacity Kilograms |
|-------------------|----------------|-------------------------|-------------------------|
| <b>78.5m Boom</b> |                |                         |                         |
| 12.2              | 82.7           | 80.2                    | 52 900                  |
| 13.0              | 82.1           | 80.1                    | 49 500                  |
| 14.0              | 81.4           | 80.0                    | 45 800                  |
| 15.0              | 80.6           | 79.8                    | 42 500                  |
| 16.0              | 79.9           | 79.6                    | 39 500                  |
| 18.0              | 78.4           | 79.2                    | 34 500                  |
| 20.0              | 76.9           | 78.8                    | 30 300                  |
| 22.0              | 75.4           | 78.3                    | 26 900                  |
| 24.0              | 73.9           | 77.7                    | 23 900                  |
| 26.0              | 72.3           | 77.1                    | 21 400                  |
| 28.0              | 70.8           | 76.4                    | 19 200                  |
| 30.0              | 69.2           | 75.6                    | 17 300                  |
| 32.0              | 67.7           | 74.8                    | 15 600                  |
| 34.0              | 66.1           | 73.9                    | 14 000                  |
| 36.0              | 64.5           | 73.0                    | 12 700                  |
| 38.0              | 62.8           | 72.0                    | 11 400                  |
| 40.0              | 61.2           | 70.9                    | 10 300                  |
| 42.0              | 59.5           | 69.7                    | 9 300                   |
| 44.0              | 57.7           | 68.5                    | 8 200                   |
| 46.0              | 56.0           | 67.2                    | 7 300                   |
| 48.0              | 54.2           | 65.7                    | 6 500                   |
| 50.0              | 52.4           | 64.2                    | 5 700                   |
| 52.0              | 50.5           | 62.6                    | 5 000                   |
| 54.0              | 48.6           | 60.9                    | 4 400                   |
| 56.0              | 46.6           | 59.0                    | 3 800                   |
| 58.0              | 44.5           | 57.0                    | 3 200                   |
| 60.0              | 42.4           | 54.9                    | 2 700                   |
| 62.0              | 40.1           | 52.5                    | 2 200                   |
| 64.0              | 37.8           | 50.0                    | 1 800                   |