

Technical data
Hydraulic lift crane

LR 1300
Litronic®

Derrick equipment



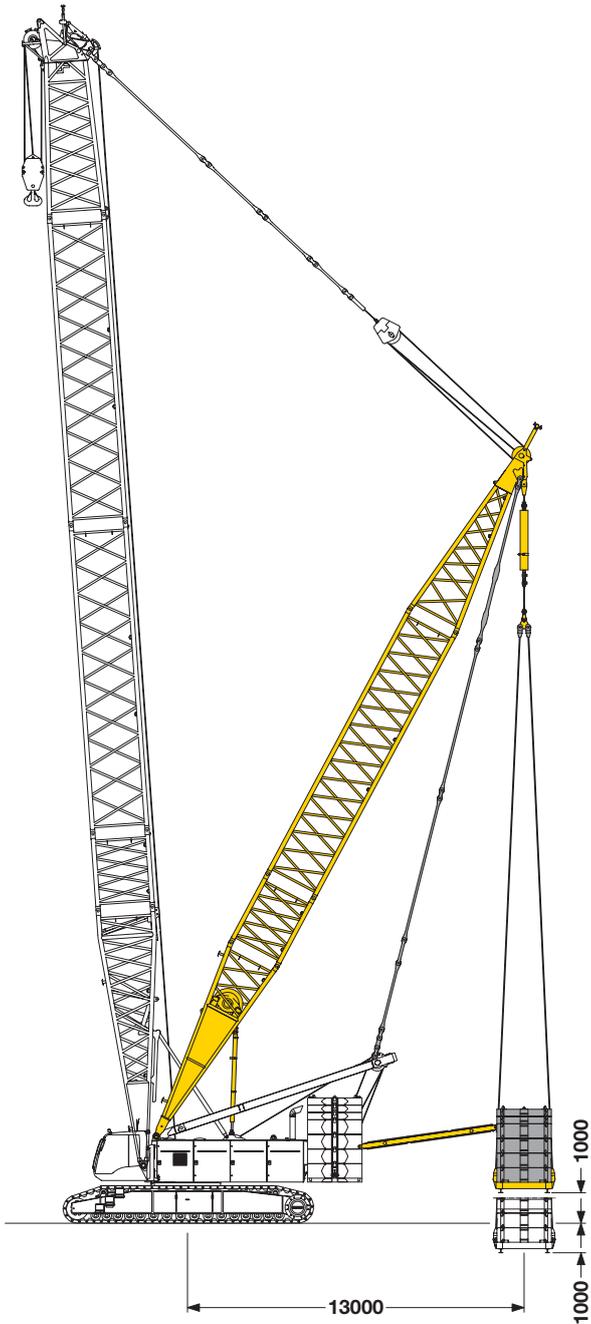
LIEBHERR

Courtesy of Crane.Market

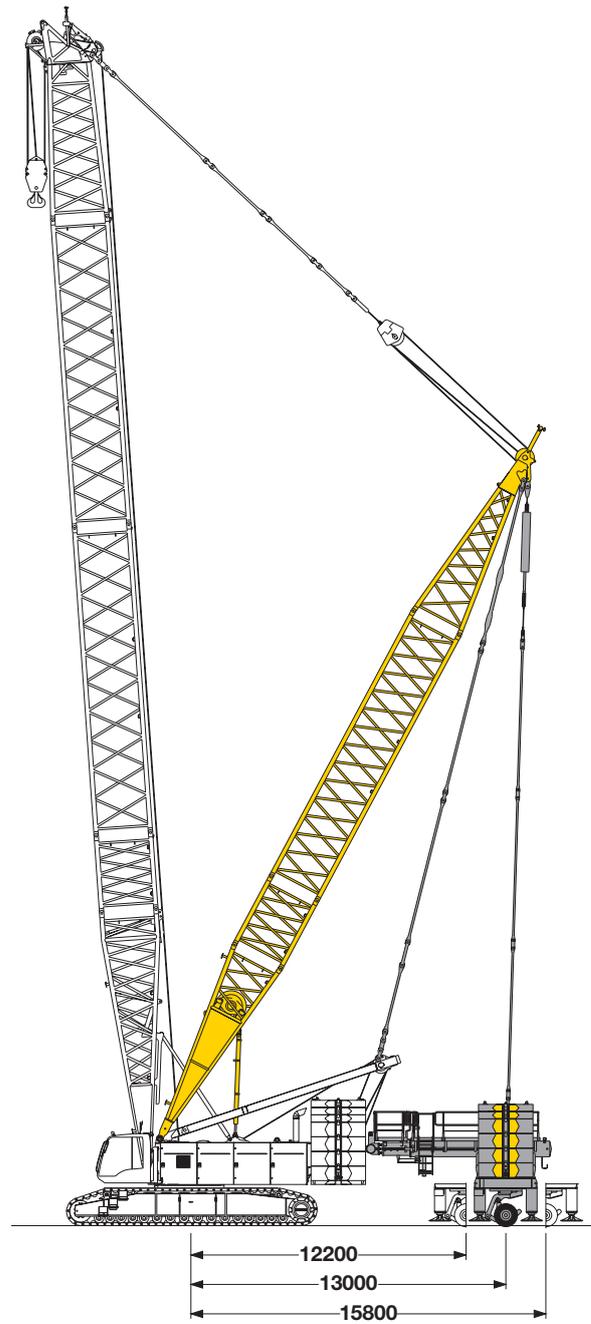
Dimensions

Basic machine with derrick equipment

Derrick equipment
with suspended counterweight



Derrick equipment
with wheeled counterweight carriage



Lift chart - main boom (No. 2821.xx)

124 t counterweight and 57 t carbody counterweight and max. 120 t suspended counterweight at 13 m radius

Main boom 44 m

| Radius | Suspended counterweight in metric tons at 13 m radius | | | | |
|--------|---|-------|-------|-------|-------|
| | 0 | 50 | 75 | 90 | 120 |
| (m) | t | t | t | t | t |
| 12 | 98.2 | 157.6 | 187.0 | 204.8 | 236.6 |
| 14 | 80.6 | 130.5 | 155.2 | 170.1 | 199.8 |
| 16 | 68.1 | 110.8 | 132.1 | 144.9 | 170.7 |
| 18 | 63.1 | 100.8 | 119.4 | 130.8 | 153.2 |
| 20 | 55.3 | 88.6 | 105.2 | 115.4 | 135.3 |
| 22 | 48.6 | 78.8 | 93.9 | 102.9 | 121.0 |
| 24 | 43.5 | 70.9 | 84.6 | 92.7 | 109.2 |
| 26 | 38.9 | 64.1 | 76.7 | 84.3 | 99.4 |
| 28 | 35.1 | 58.5 | 70.1 | 77.0 | 90.9 |
| 30 | 31.7 | 53.5 | 64.3 | 70.9 | 83.8 |
| 32 | 29.1 | 49.2 | 59.5 | 65.4 | 77.5 |
| 34 | 26.5 | 45.4 | 55.0 | 60.6 | 72.1 |
| 36 | 24.2 | 42.2 | 51.1 | 56.5 | 67.2 |
| 38 | 22.2 | 39.2 | 47.6 | 52.7 | 62.8 |
| 40 | 20.3 | 36.5 | 44.6 | 49.3 | 59.0 |
| 42 | 18.7 | 34.0 | 41.7 | 46.2 | 55.4 |
| 44 | 17.2 | 31.8 | 39.1 | 43.4 | 50.8 |

Main boom 50 m

| Radius | Suspended counterweight in metric tons at 13 m radius | | | | |
|--------|---|-------|-------|-------|-------|
| | 0 | 50 | 75 | 90 | 120 |
| (m) | (t) | (t) | (t) | (t) | (t) |
| 11 | 109.3 | | | | |
| 12 | 97.8 | 157.1 | 182.5 | 182.5 | |
| 14 | 80.1 | 129.9 | 154.7 | 169.5 | 175.6 |
| 16 | 67.5 | 110.2 | 131.4 | 144.4 | 168.7 |
| 18 | 58.1 | 95.4 | 114.2 | 125.4 | 147.8 |
| 20 | 50.4 | 83.9 | 100.6 | 110.5 | 130.6 |
| 22 | 48.1 | 78.2 | 93.3 | 102.5 | 120.4 |
| 24 | 43.0 | 70.3 | 84.0 | 92.1 | 108.6 |
| 26 | 38.4 | 63.5 | 76.0 | 83.7 | 98.8 |
| 28 | 34.5 | 57.9 | 69.5 | 76.4 | 90.3 |
| 30 | 31.1 | 52.9 | 63.7 | 70.3 | 83.2 |
| 32 | 28.5 | 48.6 | 58.9 | 64.8 | 76.9 |
| 34 | 25.9 | 45.0 | 54.4 | 60.0 | 71.5 |
| 36 | 23.6 | 41.7 | 50.5 | 55.9 | 66.6 |
| 38 | 21.6 | 38.6 | 47.0 | 52.1 | 62.2 |
| 40 | 19.8 | 36.0 | 44.1 | 48.7 | 58.4 |
| 42 | 18.2 | 33.5 | 41.2 | 45.7 | 54.9 |
| 44 | 16.7 | 31.3 | 38.6 | 43.0 | 51.7 |
| 46 | 15.3 | 29.4 | 36.3 | 40.5 | 48.7 |
| 48 | 14.5 | 27.5 | 34.2 | 38.2 | 46.0 |
| 50 | 13.4 | 25.8 | 32.2 | 36.0 | 43.7 |
| 55 | 10.7 | 22.0 | 27.8 | 31.3 | 38.2 |

Main boom 56 m

| Radius | Suspended counterweight in metric tons at 13 m radius | | | | |
|--------|---|-------|-------|-------|-------|
| | 0 | 50 | 75 | 90 | 120 |
| (m) | t | t | t | t | t |
| 11 | 109.3 | 174.9 | 187.1 | 187.1 | |
| 12 | 97.8 | 157.1 | 182.5 | 182.5 | |
| 14 | 80.1 | 129.9 | 154.7 | 169.5 | 175.6 |
| 16 | 67.5 | 110.2 | 131.4 | 144.4 | 168.7 |
| 18 | 58.1 | 95.4 | 114.2 | 125.4 | 147.8 |
| 20 | 50.4 | 83.9 | 100.6 | 110.5 | 130.6 |
| 22 | 48.1 | 78.2 | 93.3 | 102.5 | 120.4 |
| 24 | 43.0 | 70.3 | 84.0 | 92.1 | 108.6 |
| 26 | 38.4 | 63.5 | 76.0 | 83.7 | 98.8 |
| 28 | 34.5 | 57.9 | 69.5 | 76.4 | 90.3 |
| 30 | 31.1 | 52.9 | 63.7 | 70.3 | 83.2 |
| 32 | 28.5 | 48.6 | 58.9 | 64.8 | 76.9 |
| 34 | 25.9 | 45.0 | 54.4 | 60.0 | 71.5 |
| 36 | 23.6 | 41.7 | 50.5 | 55.9 | 66.6 |
| 38 | 21.6 | 38.6 | 47.0 | 52.1 | 62.2 |
| 40 | 19.8 | 36.0 | 44.1 | 48.7 | 58.4 |
| 42 | 18.2 | 33.5 | 41.2 | 45.7 | 54.9 |
| 44 | 16.7 | 31.3 | 38.6 | 43.0 | 51.7 |
| 46 | 15.3 | 29.4 | 36.3 | 40.5 | 48.7 |
| 48 | 14.5 | 27.5 | 34.2 | 38.2 | 46.0 |
| 50 | 13.4 | 25.8 | 32.2 | 36.0 | 43.7 |
| 55 | 10.7 | 22.0 | 27.8 | 31.3 | 38.2 |

Main boom 68 m

| Radius | Suspended counterweight in metric tons at 13 m radius | | | | |
|--------|---|-------|-------|-------|-------|
| | 0 | 50 | 75 | 90 | 120 |
| (m) | (t) | (t) | (t) | (t) | (t) |
| 9 | 141.7 | | | | |
| 10 | 123.2 | 144.5 | 144.5 | | |
| 12 | 97.1 | 139.4 | 139.4 | 139.4 | |
| 16 | 66.7 | 109.4 | 130.8 | 131.4 | 131.4 |
| 18 | 57.2 | 94.5 | 113.3 | 124.5 | 126.2 |
| 20 | 49.5 | 83.0 | 99.7 | 109.6 | 121.8 |
| 22 | 43.7 | 73.8 | 88.6 | 97.7 | 115.6 |
| 24 | 38.5 | 65.9 | 79.6 | 88.0 | 104.2 |
| 26 | 34.3 | 59.7 | 72.2 | 79.6 | 94.7 |
| 28 | 33.6 | 57.1 | 68.6 | 75.5 | 89.4 |
| 30 | 30.3 | 52.1 | 62.8 | 69.4 | 82.3 |
| 32 | 27.7 | 47.7 | 58.0 | 63.9 | 76.0 |
| 34 | 25.1 | 44.2 | 53.6 | 59.3 | 70.6 |
| 36 | 22.8 | 40.8 | 49.6 | 55.1 | 65.7 |
| 38 | 20.8 | 37.8 | 46.2 | 51.3 | 61.3 |
| 40 | 19.0 | 35.1 | 43.2 | 47.9 | 57.6 |
| 44 | 15.9 | 30.5 | 37.8 | 42.2 | 50.8 |
| 48 | 13.8 | 26.8 | 33.4 | 37.4 | 45.2 |
| 50 | 12.6 | 25.1 | 31.4 | 35.2 | 42.9 |
| 55 | 10.1 | 21.4 | 27.2 | 30.6 | 37.6 |
| 60 | 7.9 | 18.3 | 23.6 | 26.8 | 33.1 |
| 65 | 6.1 | 15.7 | 20.5 | 23.5 | 29.3 |

Above lift chart is for reference only.

For actual lift duty and complete chart with all available configurations please refer to lift chart in operator's cab or manual.

Lift chart – main boom (No. 2821.xx)

124 t counterweight and 57 t carbody counterweight and max. 120 t suspended counterweight at 13 m radius

Main boom 74 m

| Radius | Suspended counterweight in metric tons at 13 m radius | | | | |
|--------|---|-------|-------|-------|-------|
| | 0 | 50 | 75 | 90 | 120 |
| (m) | (t) | (t) | (t) | (t) | (t) |
| 9 | 129.9 | | | | |
| 10 | 122.8 | 129.9 | | | |
| 12 | 96.7 | 126.9 | 122.1 | | |
| 14 | 78.9 | 122.1 | 118.0 | 118.0 | |
| 18 | 56.7 | 108.9 | 111.6 | 111.6 | 111.6 |
| 20 | 48.9 | 94.0 | 99.1 | 107.3 | 107.3 |
| 22 | 43.1 | 82.4 | 88.2 | 97.2 | 103.6 |
| 24 | 38.0 | 73.2 | 79.1 | 87.4 | 100.6 |
| 26 | 33.7 | 65.4 | 71.7 | 79.1 | 94.2 |
| 28 | 30.1 | 59.1 | 65.2 | 72.2 | 86.1 |
| 30 | 30.1 | 53.6 | 62.3 | 68.9 | 81.8 |
| 32 | 27.1 | 51.6 | 57.5 | 63.4 | 75.5 |
| 34 | 24.6 | 47.2 | 53.0 | 58.8 | 70.1 |
| 36 | 22.3 | 43.7 | 49.1 | 54.5 | 65.2 |
| 38 | 20.3 | 40.3 | 45.6 | 50.7 | 60.8 |
| 40 | 18.4 | 37.3 | 42.7 | 47.4 | 57.1 |
| 44 | 15.3 | 32.2 | 37.3 | 41.7 | 50.3 |
| 48 | 13.3 | 28.1 | 32.8 | 36.9 | 44.9 |
| 55 | 9.6 | 24.6 | 26.7 | 30.1 | 37.1 |
| 60 | 7.4 | 20.9 | 23.1 | 26.3 | 32.6 |
| 65 | 5.7 | 17.8 | 20.1 | 23.0 | 28.9 |
| 70 | 4.1 | 15.2 | 17.5 | 20.2 | 25.6 |

Main boom 86 m

| Radius | Suspended counterweight in metric tons at 13 m radius | | | | |
|--------|---|------|------|------|------|
| | 0 | 50 | 75 | 90 | 120 |
| (m) | (t) | (t) | (t) | (t) | (t) |
| 8.9 | 92.2 | | | | |
| 12 | 90.2 | 90.2 | | | |
| 16 | 65.2 | 86.0 | 86.0 | | |
| 18 | 55.7 | 84.2 | 84.2 | 84.2 | |
| 24 | 36.9 | 64.3 | 76.4 | 76.4 | 76.4 |
| 26 | 32.6 | 58.1 | 70.6 | 74.1 | 74.1 |
| 28 | 29.4 | 52.5 | 64.1 | 70.9 | 72.2 |
| 30 | 26.2 | 47.7 | 58.7 | 65.0 | 71.5 |
| 32 | 23.5 | 43.9 | 53.8 | 59.8 | 71.3 |
| 34 | 23.5 | 42.6 | 52.0 | 57.7 | 69.0 |
| 36 | 21.2 | 39.2 | 48.1 | 53.5 | 64.1 |
| 38 | 19.2 | 36.2 | 44.8 | 49.7 | 59.8 |
| 40 | 17.4 | 33.5 | 41.7 | 46.3 | 56.0 |
| 44 | 14.9 | 29.1 | 36.3 | 40.7 | 49.3 |
| 48 | 12.2 | 25.2 | 31.8 | 35.8 | 43.9 |
| 55 | 8.5 | 19.9 | 25.7 | 29.2 | 36.1 |
| 60 | 6.4 | 16.8 | 22.1 | 25.3 | 31.6 |
| 65 | 4.7 | 14.6 | 19.1 | 22.1 | 28.0 |
| 70 | 3.2 | 12.3 | 16.6 | 19.3 | 24.7 |
| 75 | | 10.4 | 14.6 | 16.9 | 21.9 |
| 80 | | 8.6 | 12.6 | 15.0 | 19.5 |
| 85 | | 7.1 | 10.8 | 13.0 | 17.3 |

Main boom 92 m

| Radius | Suspended counterweight in metric tons at 13 m radius | | | | |
|--------|---|------|------|------|------|
| | 0 | 50 | 75 | 90 | 120 |
| (m) | (t) | (t) | (t) | (t) | (t) |
| 9.3 | 79.2 | | | | |
| 12 | 77.8 | 77.8 | | | |
| 18 | 55.2 | 72.8 | 72.8 | | |
| 20 | 47.4 | 71.6 | 71.6 | 71.6 | |
| 28 | 28.8 | 52.0 | 62.5 | 62.5 | 62.5 |
| 30 | 25.7 | 47.2 | 58.2 | 60.9 | 60.9 |
| 32 | 22.9 | 43.3 | 53.3 | 59.2 | 60.3 |
| 34 | 20.5 | 39.7 | 49.0 | 54.8 | 59.9 |
| 36 | 20.7 | 38.7 | 47.5 | 53.0 | 59.6 |
| 38 | 18.7 | 35.7 | 44.3 | 49.2 | 59.1 |
| 40 | 16.9 | 33.0 | 41.1 | 45.8 | 55.5 |
| 44 | 14.3 | 28.6 | 35.7 | 40.1 | 48.7 |
| 48 | 11.7 | 24.7 | 31.3 | 35.3 | 43.3 |
| 50 | 10.5 | 23.0 | 29.5 | 33.2 | 40.9 |
| 55 | 8.0 | 19.4 | 25.2 | 28.7 | 35.5 |
| 60 | 5.9 | 16.3 | 21.6 | 24.8 | 31.1 |
| 65 | 4.2 | 14.1 | 18.6 | 21.6 | 27.5 |
| 70 | 2.7 | 11.9 | 16.1 | 18.8 | 24.2 |
| 75 | | 9.9 | 14.2 | 16.4 | 21.4 |
| 80 | | 8.2 | 12.2 | 14.6 | 19.0 |
| 85 | | 6.7 | 10.4 | 12.6 | 16.8 |
| 90 | | 5.3 | 8.8 | 10.9 | 14.9 |

Main boom 98 m

| Radius | Suspended counterweight in metric tons at 13 m radius | | | | |
|--------|---|------|------|------|------|
| | 0 | 50 | 75 | 90 | 120 |
| (m) | (t) | (t) | (t) | (t) | (t) |
| 9.7 | 68.5 | | | | |
| 14 | 66.2 | 66.2 | | | |
| 20 | 46.8 | 62.0 | 62.0 | | |
| 22 | 41.0 | 60.1 | 60.1 | 60.1 | |
| 30 | 25.0 | 46.6 | 57.6 | 58.0 | 58.0 |
| 32 | 22.3 | 42.7 | 52.7 | 57.9 | 57.9 |
| 34 | 19.9 | 39.0 | 48.4 | 54.2 | 57.9 |
| 36 | 17.8 | 35.8 | 44.9 | 50.1 | 57.9 |
| 38 | 18.1 | 35.1 | 43.7 | 48.6 | 57.9 |
| 40 | 16.3 | 32.4 | 40.5 | 45.2 | 54.9 |
| 44 | 13.7 | 28.0 | 35.1 | 39.5 | 48.1 |
| 48 | 11.1 | 24.1 | 30.7 | 34.7 | 42.7 |
| 50 | 9.9 | 22.4 | 28.9 | 32.6 | 40.3 |
| 55 | 7.4 | 18.8 | 24.6 | 28.1 | 34.9 |
| 60 | 5.3 | 15.7 | 21.0 | 24.2 | 30.5 |
| 65 | 3.6 | 13.5 | 18.1 | 21.0 | 26.9 |
| 70 | 2.1 | 11.3 | 15.5 | 18.2 | 23.7 |
| 75 | | 9.3 | 13.6 | 15.8 | 20.9 |
| 80 | | 7.6 | 11.6 | 14.0 | 18.4 |
| 85 | | 6.1 | 9.9 | 12.1 | 16.3 |
| 90 | | 4.8 | 8.3 | 10.4 | 14.6 |
| 95 | | 3.5 | 6.8 | 8.8 | 12.8 |

Above lift chart is for reference only.

For actual lift duty and complete chart with all available configurations please refer to lift chart in operator's cab or manual.

Lift chart - main boom (No. 2821.xx)

124 t counterweight and 57 t carbody counterweight and max. 120 t suspended counterweight at 13 m radius

Main boom 104 m

| Radius | Suspended counterweight in metric tons at 13 m radius | | | | |
|--------|---|------|------|------|------|
| | 0 | 50 | 75 | 90 | 120 |
| (m) | t | t | t | t | t |
| 12 | 59.0 | | | | |
| 14 | 57.7 | 57.7 | | | |
| 22 | 40.4 | 52.5 | 52.5 | | |
| 26 | 30.9 | 50.3 | 50.3 | 50.3 | |
| 32 | 21.7 | 42.1 | 50.1 | 50.1 | 50.1 |
| 34 | 19.3 | 38.5 | 47.9 | 50.1 | 50.1 |
| 36 | 17.2 | 35.3 | 44.3 | 49.5 | 50.1 |
| 38 | 15.3 | 32.4 | 41.0 | 45.9 | 50.1 |
| 40 | 15.7 | 31.9 | 40.0 | 44.8 | 50.1 |
| 44 | 13.2 | 27.4 | 34.6 | 39.0 | 47.6 |
| 48 | 10.5 | 23.6 | 30.1 | 34.1 | 42.2 |
| 50 | 9.3 | 21.9 | 28.3 | 32.0 | 39.7 |
| 55 | 6.8 | 18.2 | 24.0 | 27.6 | 34.4 |
| 60 | 4.8 | 15.2 | 20.5 | 23.7 | 30.0 |
| 65 | 3.0 | 13.0 | 17.5 | 20.5 | 26.3 |
| 70 | | 10.7 | 15.1 | 17.7 | 23.1 |
| 75 | | 8.8 | 13.1 | 15.3 | 20.3 |
| 80 | | 7.1 | 11.1 | 13.5 | 17.9 |
| 85 | | 5.6 | 9.3 | 11.6 | 15.8 |
| 90 | | 4.3 | 7.8 | 9.9 | 14.1 |
| 95 | | 3.0 | 6.4 | 8.4 | 12.4 |
| 100 | | | 5.1 | 7.0 | 10.8 |

Main boom 110 m

| Radius | Suspended counterweight in metric tons at 13 m radius | | | | |
|--------|---|------|------|------|------|
| | 0 | 50 | 75 | 90 | 120 |
| (m) | (t) | (t) | (t) | (t) | (t) |
| 10.6 | 51.4 | | | | |
| 16 | 49.2 | 49.2 | | | |
| 24 | 34.6 | 44.6 | 44.6 | | |
| 28 | 27.0 | 43.1 | 43.1 | 43.1 | |
| 36 | 16.6 | 34.6 | 42.7 | 42.7 | 42.7 |
| 38 | 15.1 | 31.8 | 40.3 | 42.7 | 42.7 |
| 40 | 13.6 | 29.4 | 37.3 | 42.0 | 42.7 |
| 44 | 12.5 | 26.8 | 34.0 | 38.4 | 42.7 |
| 46 | 11.1 | 24.8 | 31.6 | 35.8 | 42.7 |
| 48 | 9.9 | 22.9 | 29.7 | 33.5 | 41.5 |
| 50 | 8.7 | 21.2 | 27.7 | 31.4 | 39.1 |
| 55 | 6.2 | 17.6 | 23.4 | 26.9 | 33.8 |
| 60 | 4.1 | 15.0 | 19.9 | 23.1 | 29.5 |
| 65 | 2.4 | 12.4 | 16.9 | 19.8 | 25.7 |
| 70 | | 10.1 | 14.7 | 17.1 | 22.5 |
| 75 | | 8.2 | 12.5 | 15.0 | 19.7 |
| 80 | | 6.5 | 10.5 | 12.9 | 17.3 |
| 85 | | 5.0 | 8.7 | 11.0 | 15.2 |
| 90 | | 3.7 | 7.2 | 9.3 | 13.5 |
| 95 | | 2.5 | 5.8 | 7.8 | 11.8 |
| 100 | | | 4.5 | 6.4 | 10.2 |
| 105 | | | 3.4 | 5.2 | 8.8 |

Main boom 113 m

| Radius | Suspended counterweight in metric tons at 13 m radius | | | | |
|--------|---|------|------|------|------|
| | 0 | 50 | 75 | 90 | 120 |
| (m) | (t) | (t) | (t) | (t) | (t) |
| 10.8 | 47.9 | | | | |
| 16 | 45.9 | 45.9 | | | |
| 24 | 34.4 | 41.3 | 41.3 | | |
| 30 | 23.6 | 39.4 | 39.4 | 39.4 | |
| 38 | 15.1 | 31.5 | 38.9 | 38.9 | 38.9 |
| 40 | 13.4 | 29.2 | 37.1 | 38.9 | 38.9 |
| 44 | 12.3 | 26.6 | 33.7 | 38.0 | 38.9 |
| 46 | 10.9 | 24.6 | 31.4 | 35.6 | 38.9 |
| 48 | 9.6 | 22.7 | 29.5 | 33.3 | 38.9 |
| 50 | 8.5 | 21.0 | 27.5 | 31.2 | 38.7 |
| 55 | 6.0 | 17.4 | 23.2 | 26.7 | 33.6 |
| 60 | 3.9 | 14.8 | 19.7 | 22.9 | 29.3 |
| 65 | 2.2 | 12.1 | 16.7 | 19.6 | 25.5 |
| 70 | | 9.9 | 14.5 | 16.9 | 22.3 |
| 75 | | 8.0 | 12.2 | 14.8 | 19.5 |
| 80 | | 6.3 | 10.3 | 12.7 | 17.1 |
| 85 | | 4.8 | 8.5 | 10.8 | 15.0 |
| 90 | | 3.5 | 7.0 | 9.1 | 13.3 |
| 95 | | 2.3 | 5.6 | 7.6 | 11.6 |
| 100 | | | 4.3 | 6.2 | 10.0 |
| 105 | | | 3.2 | 5.0 | 8.6 |
| 110 | | | 2.1 | 3.8 | 7.3 |

Main boom 119 m

| Radius | Suspended counterweight in metric tons at 13 m radius | | | | |
|--------|---|------|------|------|------|
| | 0 | 50 | 75 | 90 | 120 |
| (m) | (t) | (t) | (t) | (t) | (t) |
| 11.2 | 41.5 | | | | |
| 18 | 38.6 | 38.6 | | | |
| 28 | 26.2 | 33.4 | 33.4 | | |
| 32 | 20.2 | 32.6 | 32.6 | 32.6 | |
| 42 | 11.2 | 26.2 | 31.9 | 31.9 | 31.9 |
| 44 | 11.7 | 25.9 | 31.9 | 31.9 | 31.9 |
| 46 | 10.3 | 23.9 | 30.8 | 31.9 | 31.9 |
| 48 | 9.0 | 22.1 | 28.8 | 31.9 | 31.9 |
| 50 | 7.8 | 20.4 | 26.9 | 30.6 | 31.9 |
| 55 | 5.3 | 16.7 | 22.6 | 26.1 | 31.9 |
| 60 | 3.3 | 14.1 | 19.0 | 22.2 | 28.6 |
| 65 | | 11.5 | 16.1 | 19.0 | 24.9 |
| 70 | | 9.3 | 13.9 | 16.2 | 21.7 |
| 75 | | 7.3 | 11.6 | 14.2 | 18.9 |
| 80 | | 5.7 | 9.7 | 12.1 | 16.5 |
| 85 | | 4.2 | 7.9 | 10.2 | 14.4 |
| 90 | | 2.9 | 6.4 | 8.5 | 12.5 |
| 95 | | | 5.0 | 7.0 | 10.8 |
| 100 | | | 3.8 | 5.7 | 9.3 |
| 105 | | | 2.6 | 4.4 | 7.9 |
| 110 | | | | 3.3 | 6.6 |
| 115 | | | | 2.2 | 2.6 |

Above lift chart is for reference only.

For actual lift duty and complete chart with all available configurations please refer to lift chart in operator's cab or manual.

Lift chart - main boom (No. 2821.xx)

124 t counterweight and 57 t carbody counterweight and 120 t wheeled counterweight carriage at 15.8 m radius

Capacities in metric tons for boom lengths (44 m - 119 m) - with 215 kN winches
124 t counterweight and 57 t carbody counterweight and 120 t wheeled counterweight carriage

| Radius (m) | Boom length in (m) | | | | | | | | | | | Radius (m) | | | | |
|---------------|--------------------|-------|-------|-------|-------|------|------|------|------|------|------|---------------|------|------|----|-----|
| | 44 | 50 | 56 | 68 | 74 | 86 | 92 | 98 | 104 | 110 | 113 | | 119 | | | |
| | t | t | t | t | t | t | t | t | t | t | t | t | t | | | |
| 8.9 | | | | | | 92.2 | | | | | | | | 8.9 | | |
| 9 | | | | 147.9 | 129.9 | 92.2 | | | | | | | | 9 | | |
| 10 | | | | 144.5 | 126.9 | 92.2 | 79.2 | 68.5 | | | | | | 10 | | |
| 12 | 236.6 | 211.2 | 182.5 | 139.4 | 122.1 | 90.2 | 77.8 | 67.7 | 59.0 | 51.4 | 47.9 | 41.5 | | 12 | | |
| 14 | 219.4 | 201.0 | 175.6 | 134.7 | 118.0 | 88.4 | 76.5 | 66.2 | 57.7 | 50.4 | 47.1 | 41.0 | | 14 | | |
| 16 | 188.8 | 188.3 | 168.7 | 131.4 | 114.9 | 86.0 | 74.5 | 64.9 | 56.6 | 49.2 | 45.9 | 39.7 | | 16 | | |
| 18 | 169.1 | 164.1 | 163.2 | 126.2 | 111.6 | 84.2 | 72.8 | 63.3 | 55.1 | 48.0 | 44.8 | 38.6 | | 18 | | |
| 20 | 149.6 | 149.3 | 144.7 | 121.8 | 107.3 | 82.3 | 71.6 | 62.0 | 53.9 | 46.7 | 43.4 | 36.9 | | 20 | | |
| 22 | 133.8 | 133.5 | 133.2 | 118.2 | 103.6 | 79.1 | 69.2 | 60.1 | 52.5 | 45.7 | 42.4 | 35.7 | | 22 | | |
| 24 | 120.9 | 120.6 | 120.3 | 114.9 | 100.6 | 76.4 | 66.6 | 58.7 | 51.2 | 44.6 | 41.3 | 34.8 | | 24 | | |
| 26 | 110.1 | 109.8 | 109.5 | 105.4 | 98.1 | 74.1 | 64.4 | 58.2 | 50.3 | 43.7 | 40.4 | 34.0 | | 26 | | |
| 28 | 101.0 | 100.5 | 100.3 | 99.5 | 95.6 | 72.2 | 62.5 | 58.0 | 50.1 | 43.1 | 39.7 | 33.4 | | 28 | | |
| 30 | 93.0 | 92.7 | 92.4 | 91.5 | 91.0 | 71.5 | 60.9 | 58.0 | 50.1 | 42.9 | 39.4 | 32.9 | | 30 | | |
| 32 | 86.2 | 85.9 | 85.6 | 84.7 | 84.2 | 71.3 | 60.3 | 57.9 | 50.1 | 42.8 | 39.3 | 32.6 | | 32 | | |
| 34 | 80.1 | 79.8 | 79.5 | 78.6 | 78.1 | 71.1 | 59.9 | 57.9 | 50.1 | 42.7 | 39.1 | 32.4 | | 34 | | |
| 36 | 74.7 | 74.4 | 74.2 | 73.2 | 72.9 | 71.0 | 59.6 | 57.9 | 50.1 | 42.7 | 39.0 | 32.1 | | 36 | | |
| 38 | 70.0 | 69.7 | 69.5 | 68.6 | 68.1 | 67.0 | 59.3 | 57.9 | 50.1 | 42.7 | 38.9 | 31.9 | | 38 | | |
| 40 | 65.7 | 65.4 | 65.2 | 64.3 | 63.8 | 62.7 | 59.0 | 57.9 | 50.1 | 42.7 | 38.9 | 31.9 | | 40 | | |
| 42 | 61.8 | 61.5 | 61.3 | 60.4 | 59.9 | 59.0 | 58.2 | 57.7 | 50.1 | 42.7 | 38.9 | 31.9 | | 42 | | |
| 44 | 58.1 | 58.1 | 57.9 | 57.1 | 56.5 | 55.5 | 55.0 | 54.4 | 50.1 | 42.7 | 38.9 | 31.9 | | 44 | | |
| 46 | | 54.9 | 54.7 | 53.9 | 53.3 | 52.3 | 51.8 | 51.2 | 49.2 | 42.7 | 38.9 | 31.9 | | 46 | | |
| 48 | | 51.9 | 51.7 | 50.9 | 50.4 | 49.4 | 48.9 | 48.3 | 47.7 | 42.4 | 38.9 | 31.9 | | 48 | | |
| 50 | | 49.2 | 49.0 | 48.2 | 47.7 | 46.7 | 46.2 | 45.6 | 45.0 | 42.1 | 38.9 | 31.9 | | 50 | | |
| 55 | | | 43.2 | 42.5 | 42.0 | 41.0 | 40.5 | 39.9 | 39.4 | 38.7 | 38.4 | 31.9 | | 55 | | |
| 60 | | | | 37.6 | 37.1 | 36.2 | 35.6 | 35.1 | 34.5 | 33.9 | 33.7 | 31.9 | | 60 | | |
| 65 | | | | 33.5 | 33.0 | 32.1 | 31.6 | 31.0 | 30.4 | 29.8 | 29.6 | 29.0 | | 65 | | |
| 70 | | | | | 29.5 | 28.6 | 28.1 | 27.5 | 27.0 | 26.4 | 26.2 | 25.5 | | 70 | | |
| 75 | | | | | | 25.5 | 25.0 | 24.5 | 23.9 | 23.3 | 23.1 | 22.3 | | 75 | | |
| 80 | | | | | | | 22.8 | 22.4 | 21.8 | 21.3 | 20.7 | 20.5 | 19.4 | | 80 | |
| 85 | | | | | | | | 20.4 | 20.0 | 19.5 | 18.9 | 18.3 | 18.1 | 16.5 | | 85 |
| 90 | | | | | | | | | 17.9 | 17.4 | 16.9 | 16.3 | 16.1 | 14.1 | | 90 |
| 95 | | | | | | | | | | 15.4 | 15.0 | 14.4 | 14.2 | 12.3 | | 95 |
| 100 | | | | | | | | | | | 13.4 | 12.7 | 12.5 | 10.7 | | 100 |
| 105 | | | | | | | | | | | | 11.3 | 11.0 | 9.4 | | 105 |
| 110 | | | | | | | | | | | | | 9.6 | 6.6 | | 110 |
| 115 | | | | | | | | | | | | | | 2.6 | | 115 |

Above lift chart is for reference only.

For actual lift duty and complete chart with all available configurations please refer to lift chart in operator's cab or manual.