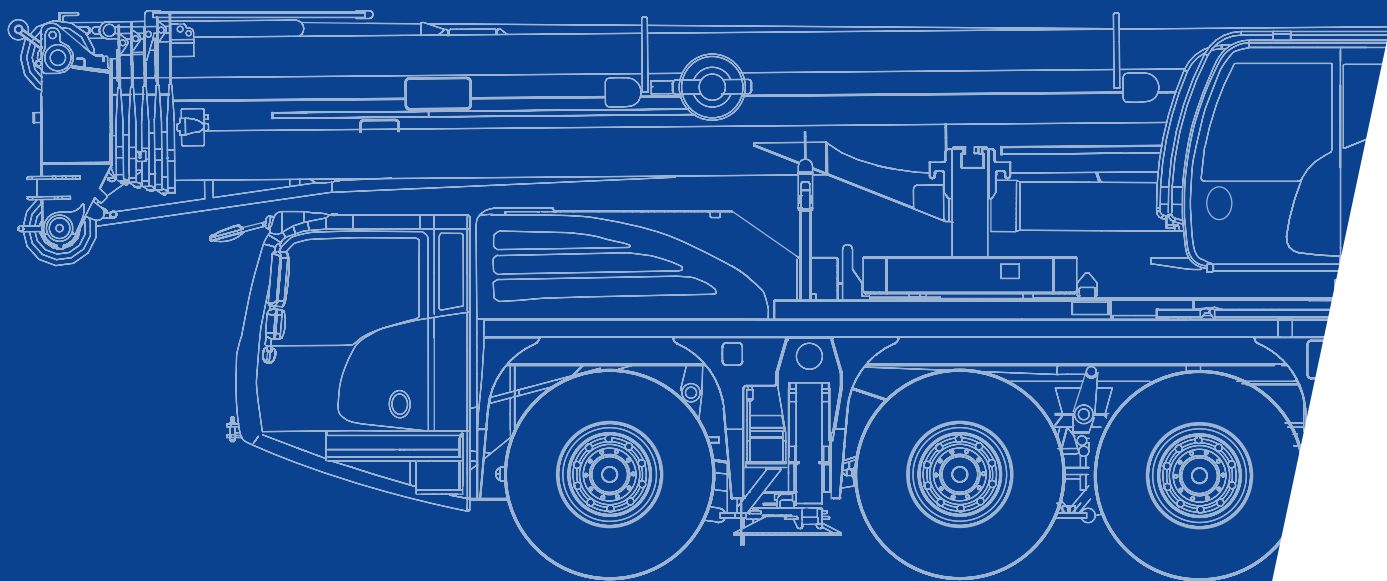
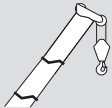


# AC 130-5



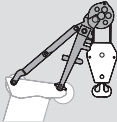
**All Terrain Crane  
140 USt Capacity class**

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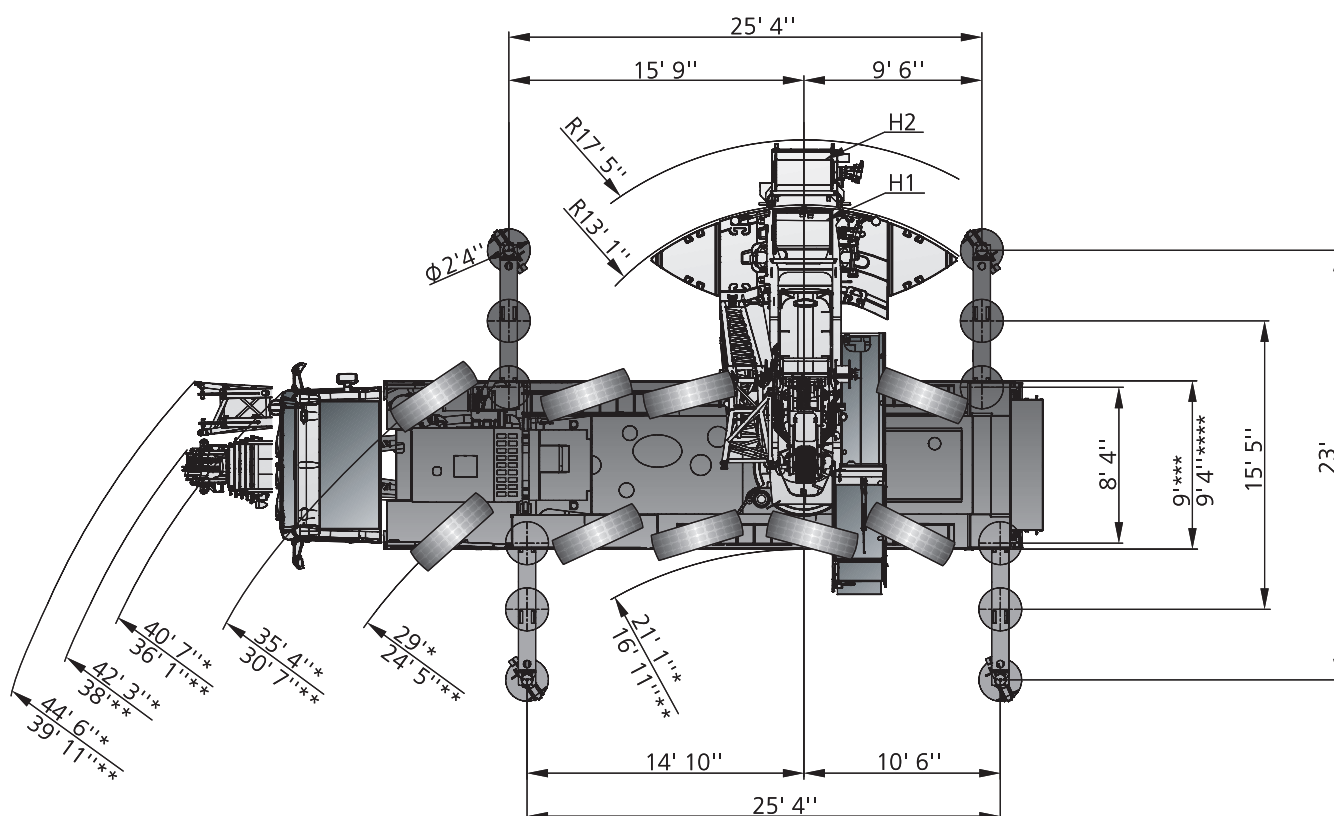
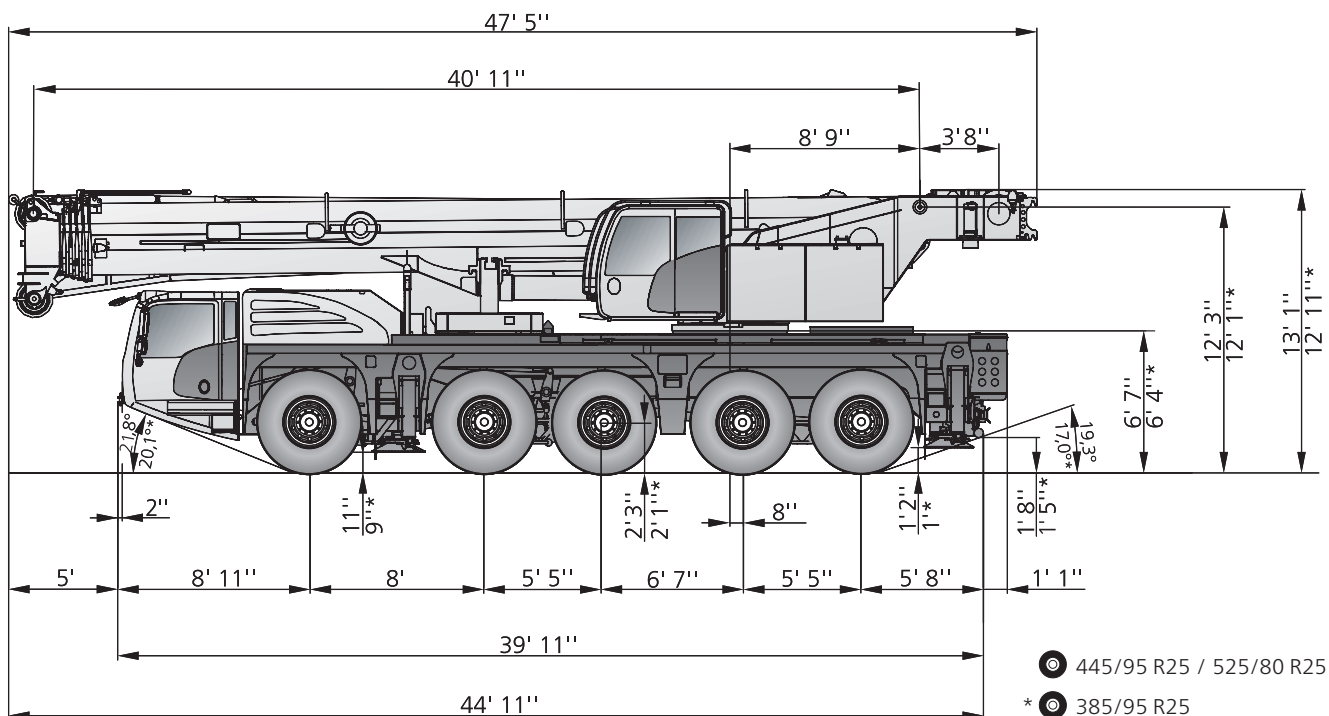
|                                                                                   |                                            |    |
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|                                                                                     |                                                               |    |
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|                                                                                     |                                         |                                                                                     |                                             |
|-------------------------------------------------------------------------------------|-----------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------|
|    | Counterweight                           |    | Boom telescoping                            |
|    | Lifting capacities on outriggers - 360° |    | Boom elevation                              |
|    | Radius                                  |    | Working speeds                              |
|    | Main boom                               |    | Max. line pull                              |
|    | Folding swing-away jib                  |    | Rope diameter                               |
|    | Runner                                  |    | Rope length                                 |
|    | Max. axle loads                         |    | Hook block (capacity-sheaves-rope diameter) |
|    | Mechanism                               |    | Number of lines                             |
|   | Tires                                   |   | Possible load of hook block                 |
|  | Hook block                              |  | Weight of hook block                        |
|  | Hoist                                   |  | Distance head sheave axle – hook ground     |
|  | Dolly                                   |  | Number of sheaves in boom head              |
|  | Travel speed                            |  | Supporting force                            |
|  | Gradeability – road                     |  | Length of stroke (support cylinders)        |
|  | Gradeability – off road                 |  | Payload incl. rear storage box              |
|  | Slewing                                 |                                                                                     |                                             |



\* steering mode 2  
\*\* steering mode 3

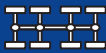
\*\*\* ⊙ 385/95 R25 / 445/95 R25  
\*\*\*\* ⊙ 525/80 R25

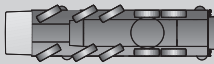
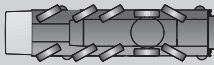
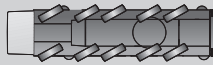
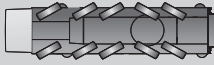
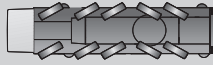
see page 5



# Specifications

## AC 130-5

|  |             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |
|-----------------------------------------------------------------------------------|-------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  | Total       |  |  |  |  |  |  |  |  |
| < 20,000 lb                                                                       | On request! |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     | X                                                                                   |
| 17,000 lb                                                                         | 79,400 lb   | 10 x 6 x 10                                                                       | 385/95R25                                                                         | –                                                                                 | –                                                                                 | 8,200 lb                                                                           | –                                                                                   | –                                                                                   | –                                                                                   |
| 22,000 lb                                                                         | 105,800 lb  | 10 x 6 x 10                                                                       | 445/95R25                                                                         | 196.9 ft                                                                          | –                                                                                 | –                                                                                  | –                                                                                   | 1,100 lb                                                                            | –                                                                                   |
| 26,500 lb                                                                         | 132,300 lb  | 10 x 6 x 10                                                                       | 385/95R25                                                                         | 196.9 ft                                                                          | 80-3-21                                                                           | 23,600 lb                                                                          | –                                                                                   | 1,760 lb                                                                            | –                                                                                   |
| 26,500 lb                                                                         | 132,300 lb  | 10 x 8 x 10                                                                       | 445/95R25                                                                         | 196.9 ft                                                                          | 12-0-21                                                                           | 23,600 lb                                                                          | –                                                                                   | 880 lb                                                                              | –                                                                                   |
| 26,500 lb                                                                         | 132,300 lb  | 10 x 8 x 10                                                                       | 445/95R25                                                                         | 196.9 ft                                                                          | 12-0-21                                                                           | 19,000 lb                                                                          | 68.9 ft                                                                             | 1,100 lb                                                                            | –                                                                                   |
| 35,300 lb                                                                         | 174,200 lb  | 10 x 8 x 10                                                                       | 445/95R25                                                                         | 196.9 ft                                                                          | 80-3-21                                                                           | 57,800 lb                                                                          | 68.9 ft                                                                             | 1,980 lb                                                                            | –                                                                                   |

|                                                                                   |                          |                                                                                    |                       |
|-----------------------------------------------------------------------------------|--------------------------|------------------------------------------------------------------------------------|-----------------------|
|  | 1 Highway > 28 mph       |  | 4* Off-wall           |
|  | 2 City < 28 mph          |  | 5* Crab steer mode    |
|  | 3 Minimum turning radius |  | 6* All wheel steering |

\*must be activated

|   |            |            |  |
|-------------------------------------------------------------------------------------|------------|------------|------------------------------------------------------------------------------------|
|                                                                                     | 139,000 lb | 161,000 lb | 52.8 mph <sup>1)</sup>                                                             |
|  | 20.9 in    | 24 in      |                                                                                    |

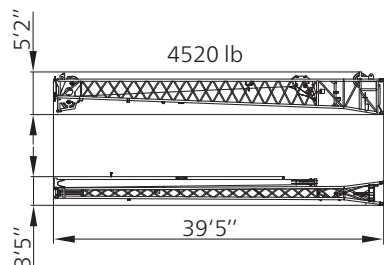
<sup>1)</sup> Depending on tire type, size and country specific legislation

|  |                         |                         |                         |
|-------------------------------------------------------------------------------------|-------------------------|-------------------------|-------------------------|
|  | 385/95 R25<br>14.00 R25 | 445/95 R25<br>16.00 R25 | 525/80 R25<br>20.50 R25 |
|  | 47 %                    | 40 %                    | 40 %                    |
|  | 64 %                    | 53 %                    | 53 %                    |

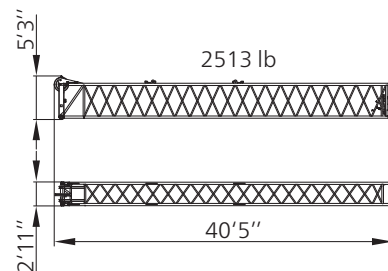
|  |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                                                                                     |  |  |  |  |
| 1                                                                                   | 394 ft/min                                                                          | 18,525 lbf                                                                          | 0.83 in                                                                             | 984 ft                                                                              |
| 2                                                                                   | 394 ft/min                                                                          | 18,525 lbf                                                                          | 0.83 in                                                                             | 1083 ft                                                                             |
|  | 1,70 min <sup>-1</sup>                                                              |                                                                                     |                                                                                     |                                                                                     |
|  | ca. 438 s<br>(41.0 - 196.2 ft)                                                      |                                                                                     |                                                                                     |                                                                                     |
|  | ca. 35 s<br>(-1,5° - 82°)                                                           |                                                                                     |                                                                                     |                                                                                     |

|    |  |  |  |  |  |  |
|----|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 1  | 18,300                                                                             | 12-0-21                                                                             | 4                                                                                     | 770 lb                                                                                | 6.6 ft                                                                                |                                                                                       |
| 2  | 36,600                                                                             | 32-1-21                                                                             | 4                                                                                     | 1320 lb                                                                               | 8.9 ft                                                                                |                                                                                       |
| 3  | 54,500                                                                             | 32-1-21                                                                             | 4                                                                                     | 1320 lb                                                                               | 8.9 ft                                                                                |                                                                                       |
| 4  | 72,300                                                                             | 80-3-21                                                                             | 4                                                                                     | 1870 lb                                                                               | 9.8 ft                                                                                |                                                                                       |
| 5  | 90,000                                                                             | 80-3-21                                                                             | 4                                                                                     | 1870 lb                                                                               | 9.8 ft                                                                                |                                                                                       |
| 6  | 107,400                                                                            | 80-3-21                                                                             | 4                                                                                     | 1870 lb                                                                               | 9.8 ft                                                                                |                                                                                       |
| 7  | 124,600                                                                            | 80-3-21                                                                             | 4                                                                                     | 1870 lb                                                                               | 9.8 ft                                                                                |                                                                                       |
| 8  | 141,800                                                                            | 125-5-21                                                                            | 4                                                                                     | 2480 lb                                                                               | 9.8 ft                                                                                |                                                                                       |
| 9  | 158,800                                                                            | 125-5-21                                                                            | 4 + 2                                                                                 | 2480 lb                                                                               | 9.8 ft                                                                                |                                                                                       |
| 10 | 175,500                                                                            | 125-5-21                                                                            | 4 + 2                                                                                 | 2480 lb                                                                               | 9.8 ft                                                                                |                                                                                       |
| 11 | 192,000                                                                            | 160-7-21                                                                            | 4 + 2                                                                                 | 3310 lb                                                                               | 9.8 ft                                                                                |                                                                                       |
| 12 | 202,400                                                                            | 160-7-21                                                                            | 4 + 2                                                                                 | 3310 lb                                                                               | 9.8 ft                                                                                |                                                                                       |

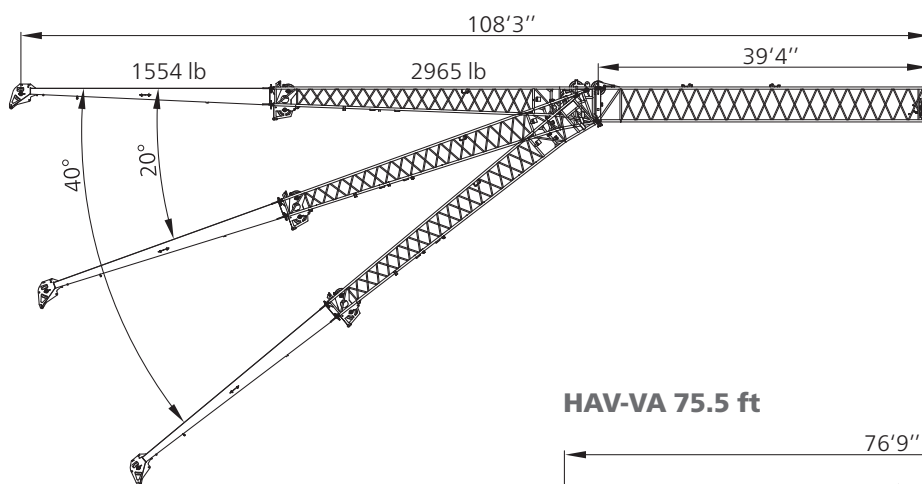
## HAV / HAV-VA



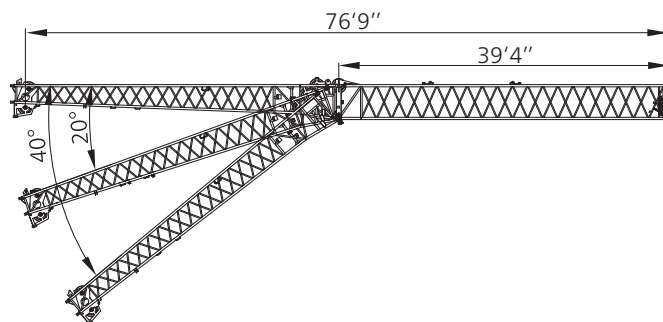
## VA



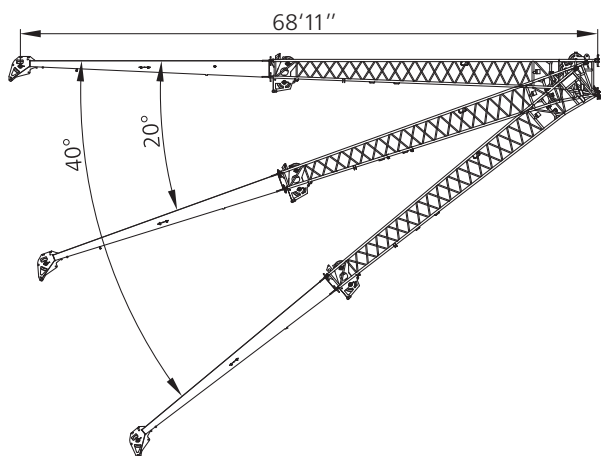
## HAV-VA 108.3 ft



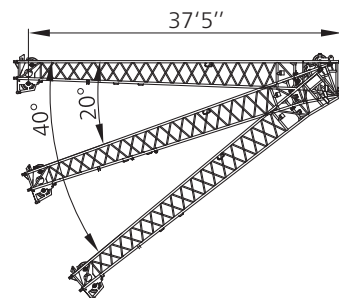
## HAV-VA 75.5 ft



## HAV 68.9 ft



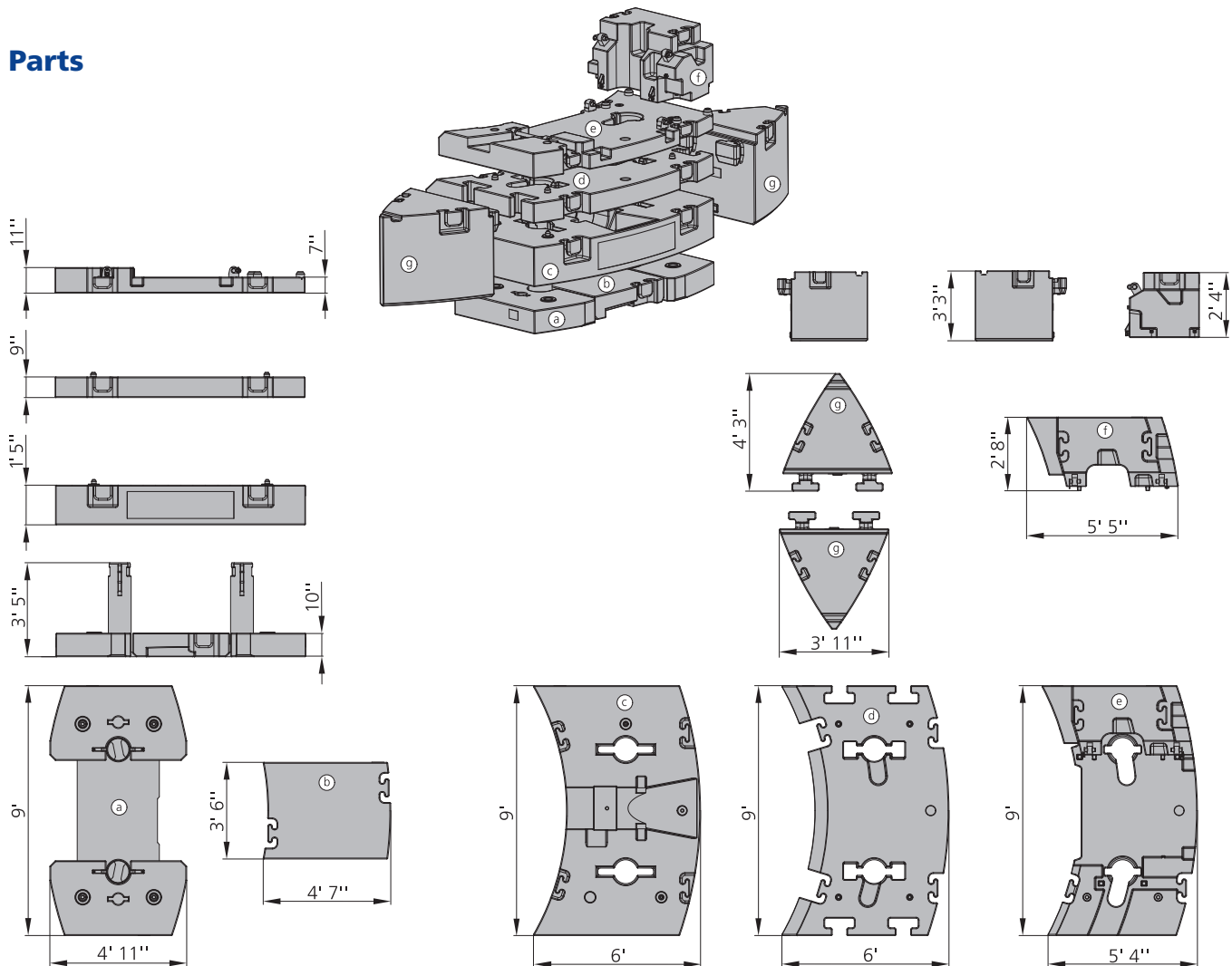
## HAV 36.1 ft



# Counterweight

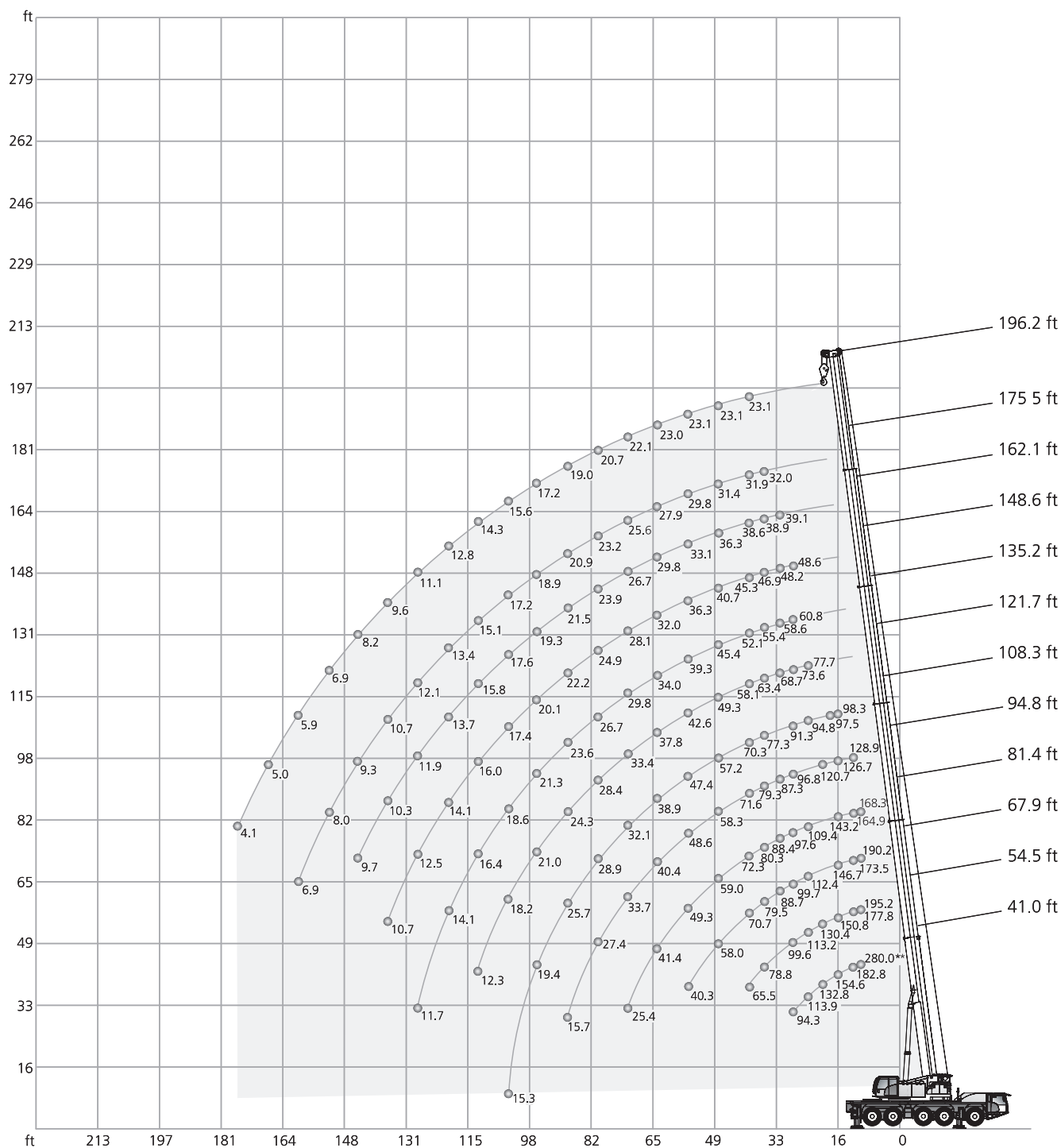
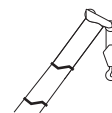
AC 130-5

## Parts



## Configurations

|           | Ⓐ 10,800 lb | Ⓑ 4,630 lb | Ⓒ 24,260 lb | Ⓓ 11,910 lb | Ⓔ 9,920 lb | Ⓕ 8,200 lb | Ⓖ 11,690 lb | Ⓗ 11,690 lb |
|-----------|-------------|------------|-------------|-------------|------------|------------|-------------|-------------|
| 0 lb      |             |            |             |             |            |            |             |             |
| 8,200 lb  |             |            |             |             |            | X          |             |             |
| 10,800 lb | X           |            |             |             |            |            |             |             |
| 15,400 lb | X           | X          |             |             |            |            |             |             |
| 18,100 lb |             |            |             |             | X          | X          |             |             |
| 19,000 lb | X           |            |             |             |            | X          |             |             |
| 23,600 lb | X           | X          |             |             |            | X          |             |             |
| 28,900 lb | X           |            |             |             | X          | X          |             |             |
| 33,500 lb | X           | X          |             |             | X          | X          |             |             |
| 39,700 lb | X           | X          | X           |             |            |            |             |             |
| 47,800 lb | X           | X          | X           |             |            | X          |             |             |
| 51,600 lb | X           | X          | X           | X           |            |            |             |             |
| 57,800 lb | X           | X          | X           |             | X          | X          |             |             |
| 59,800 lb | X           | X          | X           | X           |            | X          |             |             |
| 61,500 lb | X           | X          | X           | X           | X          |            |             |             |
| 69,700 lb | X           | X          | X           | X           | X          | X          |             |             |
| 84,900 lb | X           | X          | X           | X           | X          |            | X           | X           |
| 93,000 lb | X           | X          | X           | X           | X          | X          | X           | X           |



\*\* Capacity class

|  93,000 lb |          |  25.3 ft x 23.0 ft |         | 360°    |         |         |          |          |          |          |          |          |          | 85 %                                                                                |  |
|---------------------------------------------------------------------------------------------|----------|-----------------------------------------------------------------------------------------------------|---------|---------|---------|---------|----------|----------|----------|----------|----------|----------|----------|-------------------------------------------------------------------------------------|--|
|  41.0 ft*  |          | 41.0 ft                                                                                             | 54.5 ft | 67.9 ft | 81.4 ft | 94.8 ft | 108.3 ft | 121.7 ft | 135.2 ft | 148.6 ft | 162.1 ft | 175.5 ft | 196.2 ft |  |  |
| ft                                                                                          | 1,000 lb |                                                                                                     |         |         |         |         |          |          |          |          |          |          |          | ft                                                                                  |  |
| 8                                                                                           | 280.0**  | -                                                                                                   | -       | -       | -       | -       | -        | -        | -        | -        | -        | -        | -        | 8                                                                                   |  |
| 10                                                                                          | 200.7    | 200.7                                                                                               | 195.2   | 190.2   | 168.3   | -       | -        | -        | -        | -        | -        | -        | -        | 10                                                                                  |  |
| 12                                                                                          | 182.8    | 182.6                                                                                               | 177.8   | 173.5   | 164.9   | 128.9   | -        | -        | -        | -        | -        | -        | -        | 12                                                                                  |  |
| 14                                                                                          | 167.6    | 166.5                                                                                               | 163.2   | 159.0   | 155.4   | 128.0   | -        | -        | -        | -        | -        | -        | -        | 14                                                                                  |  |
| 16                                                                                          | 154.6    | 151.9                                                                                               | 150.8   | 146.7   | 143.2   | 126.7   | 98.3     | -        | -        | -        | -        | -        | -        | 16                                                                                  |  |
| 18                                                                                          | 143.4    | 140.0                                                                                               | 140.3   | 136.7   | 133.3   | 124.2   | 97.5     | -        | -        | -        | -        | -        | -        | 18                                                                                  |  |
| 20                                                                                          | 132.8    | 129.1                                                                                               | 130.4   | 127.3   | 124.0   | 120.7   | 96.7     | 79.3     | -        | -        | -        | -        | -        | 20                                                                                  |  |
| 24                                                                                          | 113.9    | 111.7                                                                                               | 113.2   | 112.4   | 109.4   | 108.4   | 94.8     | 77.7     | 61.6     | -        | -        | -        | -        | 24                                                                                  |  |
| 28                                                                                          | 94.3     | 94.2                                                                                                | 99.6    | 99.7    | 97.6    | 96.8    | 91.3     | 73.6     | 60.8     | 48.6     | -        | -        | -        | 28                                                                                  |  |
| 32                                                                                          | -        | -                                                                                                   | 88.5    | 88.7    | 88.4    | 87.3    | 84.5     | 68.7     | 58.6     | 48.2     | 39.1     | -        | -        | 32                                                                                  |  |
| 36                                                                                          | -        | -                                                                                                   | 78.8    | 79.5    | 80.3    | 79.3    | 77.3     | 63.4     | 55.4     | 46.9     | 38.9     | 32.0     | -        | 36                                                                                  |  |
| 40                                                                                          | -        | -                                                                                                   | 65.5    | 70.7    | 72.3    | 71.6    | 70.3     | 58.1     | 52.1     | 45.3     | 38.6     | 31.9     | 23.1     | 40                                                                                  |  |
| 48                                                                                          | -        | -                                                                                                   | -       | 58.0    | 59.0    | 58.3    | 57.2     | 49.3     | 45.4     | 40.7     | 36.3     | 31.4     | 23.1     | 48                                                                                  |  |
| 56                                                                                          | -        | -                                                                                                   | -       | 40.3    | 49.3    | 48.6    | 47.4     | 42.6     | 39.3     | 36.3     | 33.1     | 29.8     | 23.1     | 56                                                                                  |  |
| 64                                                                                          | -        | -                                                                                                   | -       | -       | 41.4    | 40.4    | 38.9     | 37.8     | 34.0     | 32.0     | 29.8     | 27.9     | 23.0     | 64                                                                                  |  |
| 72                                                                                          | -        | -                                                                                                   | -       | -       | 25.4    | 33.7    | 32.1     | 33.4     | 29.8     | 28.1     | 26.7     | 25.6     | 22.1     | 72                                                                                  |  |
| 80                                                                                          | -        | -                                                                                                   | -       | -       | -       | 27.4    | 28.9     | 28.4     | 26.7     | 24.9     | 23.9     | 23.2     | 20.7     | 80                                                                                  |  |
| 88                                                                                          | -        | -                                                                                                   | -       | -       | -       | 15.7    | 25.7     | 24.3     | 23.6     | 22.2     | 21.5     | 20.9     | 19.0     | 88                                                                                  |  |
| 96                                                                                          | -        | -                                                                                                   | -       | -       | -       | -       | 19.4     | 21.0     | 21.3     | 20.1     | 19.3     | 18.9     | 17.2     | 96                                                                                  |  |
| 104                                                                                         | -        | -                                                                                                   | -       | -       | -       | -       | 15.3     | 18.2     | 18.6     | 17.4     | 17.6     | 17.2     | 15.6     | 104                                                                                 |  |
| 112                                                                                         | -        | -                                                                                                   | -       | -       | -       | -       | -        | 12.3     | 16.4     | 16.0     | 15.8     | 15.1     | 14.3     | 112                                                                                 |  |
| 120                                                                                         | -        | -                                                                                                   | -       | -       | -       | -       | -        | -        | 14.1     | 14.1     | 13.7     | 13.4     | 12.8     | 120                                                                                 |  |
| 128                                                                                         | -        | -                                                                                                   | -       | -       | -       | -       | -        | -        | 11.7     | 12.5     | 11.9     | 12.1     | 11.1     | 128                                                                                 |  |
| 136                                                                                         | -        | -                                                                                                   | -       | -       | -       | -       | -        | -        | -        | 10.7     | 10.3     | 10.7     | 9.6      | 136                                                                                 |  |
| 144                                                                                         | -        | -                                                                                                   | -       | -       | -       | -       | -        | -        | -        | -        | 9.7      | 9.3      | 8.2      | 144                                                                                 |  |
| 152                                                                                         | -        | -                                                                                                   | -       | -       | -       | -       | -        | -        | -        | -        | -        | 8.0      | 6.9      | 152                                                                                 |  |
| 160                                                                                         | -        | -                                                                                                   | -       | -       | -       | -       | -        | -        | -        | -        | -        | 6.9      | 5.9      | 160                                                                                 |  |
| 168                                                                                         | -        | -                                                                                                   | -       | -       | -       | -       | -        | -        | -        | -        | -        | -        | 5.0      | 168                                                                                 |  |
| 176                                                                                         | -        | -                                                                                                   | -       | -       | -       | -       | -        | -        | -        | -        | -        | -        | 4.1      | 176                                                                                 |  |
| 1)                                                                                          | 34.6     | 34.6                                                                                                | 25.1    | 19.4    | 15.0    | 11.9    | 9.0      | 7.1      | 4.9      | 2.9      | -        | -        | -        | 1)                                                                                  |  |

1) Capacities with horizontal boom

\* over rear

\*\* Capacity class

|  69,700 lb       |                 |  25.3 ft x 23.0 ft |                 | 360° / Max.*    |                 |                 |                 |                 |                 |                  |                  | 85 %                                                                                |     |
|---------------------------------------------------------------------------------------------------|-----------------|-----------------------------------------------------------------------------------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|------------------|------------------|-------------------------------------------------------------------------------------|-----|
|  360°<br>41.0 ft | Max.<br>41.0 ft | 360°<br>54.5 ft                                                                                     | Max.<br>54.5 ft | 360°<br>67.9 ft | Max.<br>67.9 ft | 360°<br>81.4 ft | Max.<br>81.4 ft | 360°<br>94.8 ft | Max.<br>94.8 ft | 360°<br>108.3 ft | Max.<br>108.3 ft |  |     |
| ft                                                                                                | 1,000 lb        |                                                                                                     |                 |                 |                 |                 |                 |                 |                 |                  |                  | ft                                                                                  |     |
| 10                                                                                                | 200.7           | 200.7                                                                                               | 195.2           | 195.2           | 190.2           | 190.2           | 168.3           | 168.3           | -               | -                | -                | -                                                                                   | 10  |
| 12                                                                                                | 181.8           | 182.6                                                                                               | 177.8           | 177.9           | 173.5           | 173.5           | 164.9           | 164.9           | 128.9           | 128.9            | -                | -                                                                                   | 12  |
| 14                                                                                                | 164.7           | 166.5                                                                                               | 163.2           | 163.2           | 159.0           | 159.0           | 155.4           | 155.4           | 128.0           | 128.0            | -                | -                                                                                   | 14  |
| 16                                                                                                | 150.3           | 151.9                                                                                               | 150.8           | 150.8           | 146.7           | 146.7           | 143.2           | 143.2           | 126.7           | 126.7            | 98.3             | 98.3                                                                                | 16  |
| 18                                                                                                | 138.5           | 140.0                                                                                               | 139.7           | 140.3           | 136.7           | 136.7           | 133.3           | 133.3           | 124.2           | 124.2            | 97.5             | 97.5                                                                                | 18  |
| 20                                                                                                | 127.6           | 129.1                                                                                               | 129.1           | 130.4           | 127.3           | 127.3           | 124.0           | 124.0           | 120.7           | 120.7            | 96.7             | 96.7                                                                                | 20  |
| 24                                                                                                | 110.4           | 111.7                                                                                               | 112.0           | 113.2           | 112.1           | 112.3           | 109.4           | 109.4           | 108.4           | 108.4            | 94.8             | 94.8                                                                                | 24  |
| 28                                                                                                | 93.7            | 94.2                                                                                                | 97.6            | 99.6            | 97.8            | 99.6            | 96.8            | 97.6            | 96.8            | 96.8             | 91.3             | 91.3                                                                                | 28  |
| 32                                                                                                | -               | -                                                                                                   | 84.7            | 87.9            | 84.9            | 88.0            | 86.3            | 88.4            | 85.7            | 87.3             | 84.0             | 84.5                                                                                | 32  |
| 36                                                                                                | -               | -                                                                                                   | 74.7            | 77.5            | 75.1            | 77.6            | 76.6            | 78.9            | 75.9            | 77.9             | 74.8             | 75.9                                                                                | 36  |
| 40                                                                                                | -               | -                                                                                                   | 61.3            | 63.2            | 67.0            | 67.9            | 67.6            | 69.4            | 66.9            | 68.7             | 65.7             | 67.4                                                                                | 40  |
| 48                                                                                                | -               | -                                                                                                   | -               | -               | 52.9            | 56.4            | 52.7            | 56.2            | 51.6            | 55.3             | 50.0             | 54.0                                                                                | 48  |
| 56                                                                                                | -               | -                                                                                                   | -               | -               | 36.8            | 39.1            | 41.3            | 46.0            | 40.3            | 45.1             | 38.8             | 43.7                                                                                | 56  |
| 64                                                                                                | -               | -                                                                                                   | -               | -               | -               | -               | 33.4            | 37.7            | 32.5            | 36.8             | 33.5             | 35.5                                                                                | 64  |
| 72                                                                                                | -               | -                                                                                                   | -               | -               | -               | -               | 25.4            | 25.4            | 28.5            | 30.6             | 27.9             | 31.6                                                                                | 72  |
| 80                                                                                                | -               | -                                                                                                   | -               | -               | -               | -               | -               | -               | 24.3            | 25.6             | 23.5             | 27.1                                                                                | 80  |
| 88                                                                                                | -               | -                                                                                                   | -               | -               | -               | -               | -               | -               | 15.7            | 15.7             | 20.2             | 23.4                                                                                | 88  |
| 96                                                                                                | -               | -                                                                                                   | -               | -               | -               | -               | -               | -               | -               | -                | 17.7             | 18.6                                                                                | 96  |
| 104                                                                                               | -               | -                                                                                                   | -               | -               | -               | -               | -               | -               | -               | -                | 15.3             | 15.3                                                                                | 104 |
| 1)                                                                                                | 34.6            | 34.6                                                                                                | 25.1            | 25.1            | 19.4            | 19.4            | 15.0            | 15.0            | 11.9            | 11.9             | 9.0              | 9.0                                                                                 | 1)  |

|  360°<br>121.7 ft | Max.<br>121.7 ft | 360°<br>135.2 ft | Max.<br>135.2 ft | 360°<br>148.6 ft | Max.<br>148.6 ft | 360°<br>162.1 ft | Max.<br>162.1 ft | 360°<br>175.5 ft | Max.<br>175.5 ft | 360°<br>196.2 ft | Max.<br>196.2 ft |  |
|-----------------------------------------------------------------------------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|--------------------------------------------------------------------------------------|
| ft                                                                                                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | ft                                                                                   |
| 1,000 lb                                                                                            |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                                                                                      |
| 20                                                                                                  | 79.3             | 79.3             | -                | -                | -                | -                | -                | -                | -                | -                | -                | 20                                                                                   |
| 24                                                                                                  | 77.7             | 77.7             | 61.6             | 61.6             | -                | -                | -                | -                | -                | -                | -                | 24                                                                                   |
| 28                                                                                                  | 73.6             | 73.6             | 60.8             | 60.8             | 48.6             | 48.6             | -                | -                | -                | -                | -                | 28                                                                                   |
| 32                                                                                                  | 68.7             | 68.7             | 58.6             | 58.6             | 48.2             | 48.2             | 39.1             | 39.1             | -                | -                | -                | 32                                                                                   |
| 36                                                                                                  | 63.4             | 63.4             | 55.4             | 55.4             | 46.9             | 46.9             | 38.9             | 38.9             | 32.0             | 32.0             | -                | 36                                                                                   |
| 40                                                                                                  | 58.1             | 58.1             | 52.1             | 52.1             | 45.3             | 45.3             | 38.6             | 38.6             | 31.9             | 31.9             | 23.1             | 40                                                                                   |
| 48                                                                                                  | 48.4             | 49.3             | 45.3             | 45.4             | 40.7             | 40.7             | 36.3             | 36.3             | 31.4             | 31.4             | 23.1             | 48                                                                                   |
| 56                                                                                                  | 40.0             | 42.2             | 37.5             | 39.3             | 36.1             | 36.3             | 33.1             | 33.1             | 29.8             | 29.8             | 23.1             | 56                                                                                   |
| 64                                                                                                  | 32.3             | 36.5             | 31.0             | 33.9             | 30.5             | 32.0             | 29.8             | 29.8             | 27.9             | 27.9             | 23.0             | 64                                                                                   |
| 72                                                                                                  | 26.4             | 30.6             | 27.0             | 29.2             | 25.7             | 28.1             | 25.9             | 26.7             | 25.6             | 25.6             | 22.1             | 72                                                                                   |
| 80                                                                                                  | 23.3             | 25.8             | 22.8             | 25.5             | 22.2             | 24.4             | 22.2             | 23.8             | 21.7             | 23.2             | 20.6             | 80                                                                                   |
| 88                                                                                                  | 20.4             | 22.1             | 19.2             | 22.5             | 19.5             | 21.4             | 18.8             | 21.2             | 18.8             | 20.9             | 18.1             | 88                                                                                   |
| 96                                                                                                  | 17.6             | 19.7             | 17.2             | 19.6             | 16.9             | 18.8             | 16.1             | 19.0             | 16.1             | 18.5             | 15.1             | 96                                                                                   |
| 104                                                                                                 | 15.3             | 18.1             | 15.1             | 17.1             | 14.6             | 17.0             | 14.5             | 16.6             | 13.5             | 16.0             | 12.6             | 104                                                                                  |
| 112                                                                                                 | 12.3             | 12.3             | 13.3             | 14.9             | 12.5             | 14.9             | 12.5             | 14.2             | 11.6             | 14.4             | 10.5             | 112                                                                                  |
| 120                                                                                                 | -                | -                | 11.5             | 13.3             | 10.6             | 13.4             | 10.6             | 12.4             | 9.8              | 12.6             | 8.7              | 120                                                                                  |
| 128                                                                                                 | -                | -                | 10.0             | 11.7             | 9.1              | 11.9             | 9.1              | 11.2             | 8.3              | 11.0             | 7.2              | 128                                                                                  |
| 136                                                                                                 | -                | -                | -                | -                | 8.0              | 10.1             | 8.0              | 10.3             | 6.9              | 9.6              | 6.0              | 136                                                                                  |
| 144                                                                                                 | -                | -                | -                | -                | -                | -                | 6.9              | 9.3              | 5.8              | 8.4              | 4.7              | 144                                                                                  |
| 152                                                                                                 | -                | -                | -                | -                | -                | -                | -                | -                | 4.7              | 7.4              | 3.8              | 152                                                                                  |
| 160                                                                                                 | -                | -                | -                | -                | -                | -                | -                | -                | 3.9              | 6.4              | 2.8              | 160                                                                                  |
| 168                                                                                                 | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                | 168                                                                                  |
| 176                                                                                                 | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                | 176                                                                                  |
| 1)                                                                                                  | 7.1              | 7.1              | 4.9              | 4.9              | 2.9              | 2.9              | -                | -                | -                | -                | -                | 1)                                                                                   |

1) Capacities with horizontal boom

\* Max. values are valid only for specific superstructure positions

| 57,800 lb |                 | 25.3 ft x 23.0 ft |                 | 360° / Max.*    |                 |                 |                 |                 |                 |                 |                  | 85%              |     |
|-----------|-----------------|-------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|------------------|------------------|-----|
| ft        | 360°<br>41.0 ft | Max.<br>41.0 ft   | 360°<br>54.5 ft | Max.<br>54.5 ft | 360°<br>67.9 ft | Max.<br>67.9 ft | 360°<br>81.4 ft | Max.<br>81.4 ft | 360°<br>94.8 ft | Max.<br>94.8 ft | 360°<br>108.3 ft | Max.<br>108.3 ft | ft  |
| 1,000 lb  |                 |                   |                 |                 |                 |                 |                 |                 |                 |                 |                  |                  |     |
| 10        | 200.6           | 200.7             | 195.2           | 195.2           | 190.2           | 190.2           | 168.3           | 168.3           | -               | -               | -                | -                | 10  |
| 12        | 180.7           | 182.6             | 177.8           | 177.9           | 173.5           | 173.5           | 164.9           | 164.9           | 128.9           | 128.9           | -                | -                | 12  |
| 14        | 163.8           | 166.5             | 163.2           | 163.2           | 159.0           | 159.0           | 155.4           | 155.4           | 128.0           | 128.0           | -                | -                | 14  |
| 16        | 149.5           | 151.9             | 150.6           | 150.8           | 146.7           | 146.7           | 143.2           | 143.2           | 126.7           | 126.7           | 98.3             | 98.3             | 16  |
| 18        | 137.8           | 140.0             | 139.3           | 140.3           | 136.7           | 136.7           | 133.3           | 133.3           | 124.2           | 124.2           | 97.5             | 97.5             | 18  |
| 20        | 126.9           | 129.1             | 128.5           | 130.4           | 127.3           | 127.3           | 124.0           | 124.0           | 120.7           | 120.7           | 96.7             | 96.7             | 20  |
| 24        | 108.9           | 111.7             | 110.8           | 113.2           | 110.9           | 112.3           | 108.9           | 109.4           | 108.4           | 108.4           | 94.8             | 94.8             | 24  |
| 28        | 92.1            | 94.2              | 94.6            | 98.3            | 94.9            | 98.5            | 95.4            | 97.0            | 95.5            | 96.8            | 91.0             | 91.3             | 28  |
| 32        | -               | -                 | 81.8            | 84.6            | 82.0            | 84.7            | 83.7            | 86.1            | 82.9            | 85.3            | 80.4             | 83.7             | 32  |
| 36        | -               | -                 | 70.4            | 74.2            | 71.0            | 74.3            | 72.6            | 75.9            | 71.7            | 75.1            | 69.2             | 74.0             | 36  |
| 40        | -               | -                 | 54.1            | 60.7            | 62.2            | 67.0            | 61.9            | 66.6            | 61.0            | 65.7            | 59.1             | 64.6             | 40  |
| 48        | -               | -                 | -               | -               | 46.6            | 53.8            | 46.3            | 53.6            | 45.3            | 52.9            | 44.6             | 51.6             | 48  |
| 56        | -               | -                 | -               | -               | 34.2            | 37.9            | 36.0            | 44.4            | 35.4            | 43.6            | 36.6             | 42.2             | 56  |
| 64        | -               | -                 | -               | -               | -               | -               | 29.0            | 37.1            | 30.1            | 36.2            | 29.3             | 34.9             | 64  |
| 72        | -               | -                 | -               | -               | -               | -               | 25.4            | 25.4            | 25.0            | 30.5            | 24.1             | 31.6             | 72  |
| 80        | -               | -                 | -               | -               | -               | -               | -               | -               | 21.1            | 25.6            | 21.0             | 27.1             | 80  |
| 88        | -               | -                 | -               | -               | -               | -               | -               | -               | 15.7            | 15.7            | 18.3             | 23.4             | 88  |
| 96        | -               | -                 | -               | -               | -               | -               | -               | -               | -               | -               | 15.9             | 18.6             | 96  |
| 104       | -               | -                 | -               | -               | -               | -               | -               | -               | -               | -               | 13.9             | 15.3             | 104 |
| 1)        | 34.6            | 34.6              | 25.1            | 25.1            | 19.4            | 19.4            | 15.0            | 15.0            | 11.9            | 11.9            | 9.0              | 9.0              | 1)  |

| ft       | 360°<br>121.7 ft | Max.<br>121.7 ft | 360°<br>135.2 ft | Max.<br>135.2 ft | 360°<br>148.6 ft | Max.<br>148.6 ft | 360°<br>162.1 ft | Max.<br>162.1 ft | 360°<br>175.5 ft | Max.<br>175.5 ft | 360°<br>196.2 ft | Max.<br>196.2 ft | ft  |
|----------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-----|
| 1,000 lb |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |     |
| 20       | 79.3             | 79.3             | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                | 20  |
| 24       | 77.7             | 77.7             | 61.6             | 61.6             | -                | -                | -                | -                | -                | -                | -                | -                | 24  |
| 28       | 73.6             | 73.6             | 60.8             | 60.8             | 48.6             | 48.6             | -                | -                | -                | -                | -                | -                | 28  |
| 32       | 68.7             | 68.7             | 58.6             | 58.6             | 48.2             | 48.2             | 39.1             | 39.1             | -                | -                | -                | -                | 32  |
| 36       | 62.9             | 63.4             | 55.4             | 55.4             | 46.9             | 46.9             | 38.9             | 38.9             | 32.0             | 32.0             | -                | -                | 36  |
| 40       | 56.6             | 58.1             | 51.9             | 52.1             | 45.3             | 45.3             | 38.6             | 38.6             | 31.9             | 31.9             | 23.1             | 23.1             | 40  |
| 48       | 45.2             | 49.3             | 42.2             | 45.4             | 40.2             | 40.7             | 36.3             | 36.3             | 31.4             | 31.4             | 23.1             | 23.1             | 48  |
| 56       | 34.9             | 41.9             | 34.2             | 39.3             | 33.2             | 36.3             | 32.4             | 33.1             | 29.8             | 29.8             | 23.1             | 23.1             | 56  |
| 64       | 28.6             | 36.1             | 28.6             | 33.9             | 27.5             | 32.0             | 27.5             | 29.8             | 26.9             | 27.9             | 23.0             | 23.0             | 64  |
| 72       | 24.4             | 30.5             | 23.3             | 29.2             | 23.9             | 28.1             | 22.8             | 26.7             | 23.0             | 25.6             | 21.9             | 22.1             | 72  |
| 80       | 20.4             | 25.8             | 20.4             | 25.5             | 20.0             | 24.4             | 19.8             | 23.8             | 19.1             | 23.2             | 18.0             | 20.7             | 80  |
| 88       | 17.4             | 22.1             | 17.4             | 22.5             | 16.9             | 21.4             | 16.9             | 21.2             | 16.0             | 20.9             | 14.9             | 19.0             | 88  |
| 96       | 15.3             | 19.7             | 15.1             | 19.6             | 14.2             | 18.8             | 14.2             | 19.0             | 13.3             | 18.5             | 12.2             | 17.2             | 96  |
| 104      | 13.4             | 18.1             | 12.8             | 17.1             | 11.9             | 17.0             | 11.9             | 16.6             | 11.1             | 16.0             | 10.0             | 15.6             | 104 |
| 112      | 11.6             | 12.3             | 10.9             | 14.9             | 10.0             | 14.9             | 10.0             | 14.2             | 9.2              | 14.4             | 8.1              | 13.6             | 112 |
| 120      | -                | -                | 9.4              | 13.3             | 8.5              | 13.4             | 8.5              | 12.4             | 7.6              | 12.6             | 6.5              | 11.7             | 120 |
| 128      | -                | -                | 8.0              | 11.7             | 7.2              | 11.9             | 7.2              | 11.2             | 6.2              | 11.0             | 5.2              | 10.1             | 128 |
| 136      | -                | -                | -                | -                | 6.0              | 10.1             | 6.0              | 10.3             | 4.9              | 9.6              | 4.0              | 8.7              | 136 |
| 144      | -                | -                | -                | -                | -                | -                | 4.9              | 9.3              | 4.0              | 8.4              | 2.9              | 7.5              | 144 |
| 152      | -                | -                | -                | -                | -                | -                | -                | -                | 3.0              | 7.4              | -                | 6.3              | 152 |
| 160      | -                | -                | -                | -                | -                | -                | -                | -                | -                | 6.4              | -                | 5.4              | 160 |
| 168      | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                | 4.5              | 168 |
| 176      | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                | 3.8              | 176 |
| 1)       | 7.1              | 7.1              | 4.9              | 4.9              | 2.9              | 2.9              | -                | -                | -                | -                | -                | -                | 1)  |

1) Capacities with horizontal boom

\* Max. values are valid only for specific superstructure positions

|  23,600 lb       |                 |  25.3 ft x 23.0 ft |                 | 360° / Max.*                                                                                      |                 |                                                                                                     |                 |                                                                                                     |                 |                                                                                                      |                  | 85%  |     |
|---------------------------------------------------------------------------------------------------|-----------------|-----------------------------------------------------------------------------------------------------|-----------------|---------------------------------------------------------------------------------------------------|-----------------|-----------------------------------------------------------------------------------------------------|-----------------|-----------------------------------------------------------------------------------------------------|-----------------|------------------------------------------------------------------------------------------------------|------------------|------|-----|
|  360°<br>41.0 ft | Max.<br>41.0 ft |  360°<br>54.5 ft   | Max.<br>54.5 ft |  360°<br>67.9 ft | Max.<br>67.9 ft |  360°<br>81.4 ft | Max.<br>81.4 ft |  360°<br>94.8 ft | Max.<br>94.8 ft |  360°<br>108.3 ft | Max.<br>108.3 ft |      |     |
| ft                                                                                                |                 |                                                                                                     |                 |                                                                                                   |                 |                                                                                                     |                 |                                                                                                     |                 |                                                                                                      |                  | ft   |     |
| 1,000 lb                                                                                          |                 |                                                                                                     |                 |                                                                                                   |                 |                                                                                                     |                 |                                                                                                     |                 |                                                                                                      |                  |      |     |
| 10                                                                                                | 198.1           | 200.7                                                                                               | 195.2           | 195.2                                                                                             | 190.2           | 190.2                                                                                               | 168.3           | 168.3                                                                                               | -               | -                                                                                                    | -                | -    | 10  |
| 12                                                                                                | 178.1           | 182.6                                                                                               | 177.8           | 177.9                                                                                             | 173.5           | 173.5                                                                                               | 164.9           | 164.9                                                                                               | 128.9           | 128.9                                                                                                | -                | -    | 12  |
| 14                                                                                                | 161.3           | 166.5                                                                                               | 162.6           | 163.2                                                                                             | 159.0           | 159.0                                                                                               | 155.4           | 155.4                                                                                               | 128.0           | 128.0                                                                                                | -                | -    | 14  |
| 16                                                                                                | 147.3           | 151.9                                                                                               | 148.7           | 150.8                                                                                             | 146.7           | 146.7                                                                                               | 143.2           | 143.2                                                                                               | 126.7           | 126.7                                                                                                | 98.3             | 98.3 | 16  |
| 18                                                                                                | 133.1           | 139.3                                                                                               | 134.8           | 140.0                                                                                             | 134.1           | 136.7                                                                                               | 129.0           | 133.3                                                                                               | 116.6           | 124.2                                                                                                | 97.5             | 97.5 | 18  |
| 20                                                                                                | 119.1           | 126.9                                                                                               | 121.3           | 129.1                                                                                             | 121.0           | 126.7                                                                                               | 114.1           | 123.7                                                                                               | 109.0           | 120.6                                                                                                | 95.3             | 96.7 | 20  |
| 24                                                                                                | 95.2            | 102.6                                                                                               | 97.9            | 104.6                                                                                             | 94.5            | 104.8                                                                                               | 91.5            | 104.1                                                                                               | 84.7            | 105.8                                                                                                | 77.8             | 94.3 | 24  |
| 28                                                                                                | 69.8            | 85.2                                                                                                | 74.4            | 87.2                                                                                              | 76.3            | 87.3                                                                                                | 73.4            | 89.1                                                                                                | 68.3            | 88.0                                                                                                 | 63.9             | 83.8 | 28  |
| 32                                                                                                | -               | -                                                                                                   | 57.9            | 74.3                                                                                              | 59.5            | 76.2                                                                                                | 59.0            | 75.7                                                                                                | 56.4            | 73.4                                                                                                 | 55.5             | 70.2 | 32  |
| 36                                                                                                | -               | -                                                                                                   | 47.4            | 64.8                                                                                              | 48.8            | 65.7                                                                                                | 48.6            | 65.4                                                                                                | 48.2            | 62.9                                                                                                 | 47.6             | 60.4 | 36  |
| 40                                                                                                | -               | -                                                                                                   | 31.8            | 51.4                                                                                              | 41.0            | 57.7                                                                                                | 41.0            | 57.4                                                                                                | 41.4            | 54.4                                                                                                 | 40.3             | 53.1 | 40  |
| 48                                                                                                | -               | -                                                                                                   | -               | -                                                                                                 | 30.5            | 44.2                                                                                                | 31.0            | 43.9                                                                                                | 30.3            | 42.1                                                                                                 | 30.9             | 42.9 | 48  |
| 56                                                                                                | -               | -                                                                                                   | -               | -                                                                                                 | 23.3            | 33.4                                                                                                | 23.9            | 34.8                                                                                                | 23.9            | 35.1                                                                                                 | 24.0             | 35.2 | 56  |
| 64                                                                                                | -               | -                                                                                                   | -               | -                                                                                                 | -               | -                                                                                                   | 18.8            | 28.2                                                                                                | 19.2            | 29.5                                                                                                 | 18.9             | 28.6 | 64  |
| 72                                                                                                | -               | -                                                                                                   | -               | -                                                                                                 | -               | -                                                                                                   | 15.1            | 24.3                                                                                                | 15.5            | 23.9                                                                                                 | 15.1             | 23.4 | 72  |
| 80                                                                                                | -               | -                                                                                                   | -               | -                                                                                                 | -               | -                                                                                                   | -               | -                                                                                                   | 12.6            | 20.0                                                                                                 | 12.2             | 20.4 | 80  |
| 88                                                                                                | -               | -                                                                                                   | -               | -                                                                                                 | -               | -                                                                                                   | -               | -                                                                                                   | 10.4            | 15.7                                                                                                 | 9.9              | 17.2 | 88  |
| 96                                                                                                | -               | -                                                                                                   | -               | -                                                                                                 | -               | -                                                                                                   | -               | -                                                                                                   | -               | -                                                                                                    | 8.1              | 14.8 | 96  |
| 104                                                                                               | -               | -                                                                                                   | -               | -                                                                                                 | -               | -                                                                                                   | -               | -                                                                                                   | -               | -                                                                                                    | 6.6              | 12.8 | 104 |
| 1)                                                                                                | 34.6            | 34.6                                                                                                | 25.1            | 25.1                                                                                              | 19.4            | 19.4                                                                                                | 14.8            | 15.0                                                                                                | 10.6            | 11.9                                                                                                 | 7.3              | 9.0  | 1)  |

|  360°<br>121.7 ft | Max.<br>121.7 ft |  360°<br>135.2 ft | Max.<br>135.2 ft |  360°<br>148.6 ft | Max.<br>148.6 ft |  360°<br>162.1 ft | Max.<br>162.1 ft |  360°<br>175.5 ft | Max.<br>175.5 ft |  360°<br>196.2 ft | Max.<br>196.2 ft |      |     |
|-----------------------------------------------------------------------------------------------------|------------------|-----------------------------------------------------------------------------------------------------|------------------|-----------------------------------------------------------------------------------------------------|------------------|-------------------------------------------------------------------------------------------------------|------------------|-------------------------------------------------------------------------------------------------------|------------------|-------------------------------------------------------------------------------------------------------|------------------|------|-----|
| ft                                                                                                  |                  |                                                                                                     |                  |                                                                                                     |                  |                                                                                                       |                  |                                                                                                       |                  |                                                                                                       |                  | ft   |     |
| 1,000 lb                                                                                            |                  |                                                                                                     |                  |                                                                                                     |                  |                                                                                                       |                  |                                                                                                       |                  |                                                                                                       |                  |      |     |
| 20                                                                                                  | 79.0             | 79.3                                                                                                | -                | -                                                                                                   | -                | -                                                                                                     | -                | -                                                                                                     | -                | -                                                                                                     | -                | -    | 20  |
| 24                                                                                                  | 71.6             | 77.7                                                                                                | 61.0             | 61.6                                                                                                | -                | -                                                                                                     | -                | -                                                                                                     | -                | -                                                                                                     | -                | -    | 24  |
| 28                                                                                                  | 60.9             | 73.6                                                                                                | 54.9             | 60.8                                                                                                | 48.6             | 48.6                                                                                                  | -                | -                                                                                                     | -                | -                                                                                                     | -                | -    | 28  |
| 32                                                                                                  | 51.0             | 67.4                                                                                                | 48.9             | 58.6                                                                                                | 44.6             | 48.2                                                                                                  | 39.1             | 39.1                                                                                                  | -                | -                                                                                                     | -                | -    | 32  |
| 36                                                                                                  | 44.4             | 59.1                                                                                                | 42.7             | 53.5                                                                                                | 39.5             | 46.9                                                                                                  | 35.8             | 38.9                                                                                                  | 32.0             | 32.0                                                                                                  | -                | -    | 36  |
| 40                                                                                                  | 39.7             | 52.6                                                                                                | 37.9             | 48.6                                                                                                | 36.3             | 44.8                                                                                                  | 33.1             | 38.6                                                                                                  | 31.3             | 31.9                                                                                                  | 23.1             | 23.1 | 40  |
| 48                                                                                                  | 30.7             | 41.1                                                                                                | 29.4             | 38.2                                                                                                | 27.9             | 36.5                                                                                                  | 27.0             | 34.2                                                                                                  | 24.9             | 31.1                                                                                                  | 21.9             | 23.1 | 48  |
| 56                                                                                                  | 23.7             | 32.2                                                                                                | 23.0             | 31.7                                                                                                | 21.9             | 30.2                                                                                                  | 21.1             | 28.7                                                                                                  | 19.4             | 26.8                                                                                                  | 17.3             | 23.1 | 56  |
| 64                                                                                                  | 18.7             | 27.9                                                                                                | 17.9             | 25.6                                                                                                | 17.0             | 25.6                                                                                                  | 16.7             | 24.4                                                                                                  | 15.1             | 22.6                                                                                                  | 13.2             | 20.3 | 64  |
| 72                                                                                                  | 14.9             | 23.5                                                                                                | 14.2             | 22.6                                                                                                | 13.1             | 21.0                                                                                                  | 13.1             | 20.4                                                                                                  | 11.5             | 18.4                                                                                                  | 9.8              | 16.4 | 72  |
| 80                                                                                                  | 12.0             | 19.3                                                                                                | 11.3             | 19.2                                                                                                | 10.2             | 17.9                                                                                                  | 10.2             | 17.2                                                                                                  | 8.9              | 15.5                                                                                                  | 7.2              | 13.7 | 80  |
| 88                                                                                                  | 9.6              | 16.9                                                                                                | 8.8              | 16.3                                                                                                | 8.0              | 15.3                                                                                                  | 8.0              | 14.6                                                                                                  | 6.9              | 13.1                                                                                                  | 5.2              | 11.4 | 88  |
| 96                                                                                                  | 7.8              | 14.5                                                                                                | 7.0              | 13.7                                                                                                | 6.1              | 12.9                                                                                                  | 6.1              | 12.5                                                                                                  | 5.1              | 10.9                                                                                                  | 3.6              | 9.2  | 96  |
| 104                                                                                                 | 6.2              | 12.4                                                                                                | 5.5              | 11.7                                                                                                | 4.6              | 10.6                                                                                                  | 4.6              | 10.6                                                                                                  | 3.7              | 9.1                                                                                                   | -                | 7.5  | 104 |
| 112                                                                                                 | 5.0              | 10.5                                                                                                | 4.1              | 9.8                                                                                                 | 3.2              | 8.9                                                                                                   | 3.2              | 8.9                                                                                                   | -                | 7.6                                                                                                   | -                | 5.9  | 112 |
| 120                                                                                                 | -                | -                                                                                                   | 3.1              | 8.2                                                                                                 | -                | 7.4                                                                                                   | -                | 7.4                                                                                                   | -                | 6.3                                                                                                   | -                | 4.6  | 120 |
| 128                                                                                                 | -                | -                                                                                                   | -                | 6.8                                                                                                 | -                | 6.1                                                                                                   | -                | 6.1                                                                                                   | -                | 5.1                                                                                                   | -                | 3.5  | 128 |
| 136                                                                                                 | -                | -                                                                                                   | -                | -                                                                                                   | -                | 5.0                                                                                                   | -                | 5.0                                                                                                   | -                | 4.1                                                                                                   | -                | 2.6  | 136 |
| 144                                                                                                 | -                | -                                                                                                   | -                | -                                                                                                   | -                | -                                                                                                     | -                | -                                                                                                     | -                | 3.1                                                                                                   | -                | -    | 144 |
| 1)                                                                                                  | 4.9              | 7.1                                                                                                 | 2.2              | 4.9                                                                                                 | -                | 2.9                                                                                                   | -                | -                                                                                                     | -                | -                                                                                                     | -                | -    | 1)  |

1) Capacities with horizontal boom

\* Max. values are valid only for specific superstructure positions



| 19,000 lb |                 | 25.3 ft x 23.0 ft |                 | 360° / Max.*    |                 |                 |                 |                 |                 |                 |                  | 85%              |     |
|-----------|-----------------|-------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|------------------|------------------|-----|
| ft        | 360°<br>41.0 ft | Max.<br>41.0 ft   | 360°<br>54.5 ft | Max.<br>54.5 ft | 360°<br>67.9 ft | Max.<br>67.9 ft | 360°<br>81.4 ft | Max.<br>81.4 ft | 360°<br>94.8 ft | Max.<br>94.8 ft | 360°<br>108.3 ft | Max.<br>108.3 ft | ft  |
| 1,000 lb  |                 |                   |                 |                 |                 |                 |                 |                 |                 |                 |                  |                  |     |
| 10        | 197.7           | 200.7             | 195.2           | 195.2           | 190.2           | 190.2           | 168.3           | 168.3           | -               | -               | -                | -                | 10  |
| 12        | 177.7           | 182.6             | 177.8           | 177.9           | 173.5           | 173.5           | 164.9           | 164.9           | 128.9           | 128.9           | -                | -                | 12  |
| 14        | 161.1           | 166.5             | 162.4           | 163.2           | 159.0           | 159.0           | 155.4           | 155.4           | 128.0           | 128.0           | -                | -                | 14  |
| 16        | 146.2           | 151.9             | 148.2           | 150.8           | 146.7           | 146.7           | 143.2           | 143.2           | 126.7           | 126.7           | 98.3             | 98.3             | 16  |
| 18        | 131.5           | 138.1             | 133.7           | 138.8           | 132.2           | 136.7           | 125.2           | 133.3           | 113.0           | 124.2           | 95.7             | 97.5             | 18  |
| 20        | 117.0           | 124.5             | 119.2           | 126.7           | 116.8           | 126.5           | 111.3           | 123.5           | 101.9           | 120.4           | 91.5             | 96.7             | 20  |
| 24        | 89.7            | 100.7             | 92.7            | 102.7           | 91.2            | 102.9           | 85.4            | 103.1           | 79.0            | 103.8           | 73.5             | 93.2             | 24  |
| 28        | 64.4            | 83.7              | 69.8            | 85.6            | 71.0            | 86.0            | 68.3            | 87.2            | 63.5            | 84.7            | 61.4             | 80.7             | 28  |
| 32        | -               | -                 | 53.7            | 73.2            | 55.3            | 74.4            | 54.9            | 72.9            | 54.5            | 70.5            | 51.7             | 67.9             | 32  |
| 36        | -               | -                 | 43.8            | 63.6            | 45.3            | 64.4            | 45.1            | 63.3            | 46.5            | 60.5            | 44.1             | 58.4             | 36  |
| 40        | -               | -                 | 28.5            | 49.1            | 37.9            | 56.4            | 39.0            | 54.2            | 38.4            | 52.3            | 38.0             | 51.2             | 40  |
| 48        | -               | -                 | -               | -               | 28.0            | 42.0            | 28.6            | 41.8            | 28.9            | 40.8            | 28.7             | 41.9             | 48  |
| 56        | -               | -                 | -               | -               | 21.3            | 32.8            | 21.8            | 33.2            | 22.4            | 34.2            | 22.0             | 32.6             | 56  |
| 64        | -               | -                 | -               | -               | -               | -               | 17.1            | 27.3            | 17.6            | 27.5            | 17.2             | 26.3             | 64  |
| 72        | -               | -                 | -               | -               | -               | -               | 13.7            | 22.8            | 14.2            | 22.2            | 13.7             | 22.6             | 72  |
| 80        | -               | -                 | -               | -               | -               | -               | -               | -               | 11.3            | 19.1            | 10.9             | 18.7             | 80  |
| 88        | -               | -                 | -               | -               | -               | -               | -               | -               | 9.3             | 15.7            | 8.8              | 15.8             | 88  |
| 96        | -               | -                 | -               | -               | -               | -               | -               | -               | -               | -               | 7.0              | 13.4             | 96  |
| 104       | -               | -                 | -               | -               | -               | -               | -               | -               | -               | -               | 5.7              | 11.5             | 104 |
| 1)        | 34.6            | 34.6              | 25.1            | 25.1            | 19.0            | 19.4            | 13.2            | 15.0            | 9.5             | 11.9            | 6.2              | 9.0              | 1)  |

| ft       | 360°<br>121.7 ft | Max.<br>121.7 ft | 360°<br>135.2 ft | Max.<br>135.2 ft | 360°<br>148.6 ft | Max.<br>148.6 ft | 360°<br>162.1 ft | Max.<br>162.1 ft | 360°<br>175.5 ft | Max.<br>175.5 ft | 360°<br>196.2 ft | Max.<br>196.2 ft | ft  |
|----------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-----|
| 1,000 lb |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |     |
| 20       | 78,5             | 79,3             | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                | 20  |
| 24       | 67,1             | 77,7             | 59,5             | 61,6             | -                | -                | -                | -                | -                | -                | -                | -                | 24  |
| 28       | 56,7             | 73,6             | 52,7             | 60,8             | 46,5             | 48,6             | -                | -                | -                | -                | -                | -                | 28  |
| 32       | 48,5             | 64,6             | 45,9             | 58,6             | 42,6             | 48,2             | 38,2             | 39,1             | -                | -                | -                | -                | 32  |
| 36       | 42,3             | 55,6             | 39,8             | 51,3             | 38,0             | 45,5             | 34,4             | 38,9             | 30,5             | 32,0             | -                | -                | 36  |
| 40       | 36,7             | 49,7             | 35,2             | 45,1             | 33,3             | 42,1             | 32,0             | 38,3             | 28,3             | 31,9             | 23,0             | 23,1             | 40  |
| 48       | 28,5             | 37,5             | 26,9             | 36,7             | 25,5             | 33,9             | 24,5             | 33,0             | 22,4             | 30,1             | 20,2             | 23,1             | 48  |
| 56       | 21,8             | 31,2             | 20,9             | 29,1             | 19,7             | 28,8             | 19,0             | 27,0             | 17,3             | 25,1             | 15,2             | 21,9             | 56  |
| 64       | 17,0             | 25,9             | 16,3             | 24,7             | 15,2             | 23,2             | 14,9             | 22,3             | 13,2             | 20,3             | 11,1             | 18,1             | 64  |
| 72       | 13,3             | 21,7             | 12,6             | 20,8             | 11,5             | 19,3             | 11,5             | 18,6             | 10,0             | 16,6             | 8,0              | 14,8             | 72  |
| 80       | 10,6             | 18,5             | 9,8              | 17,6             | 8,9              | 16,3             | 8,9              | 15,5             | 7,4              | 13,9             | 5,7              | 12,2             | 80  |
| 88       | 8,4              | 15,8             | 7,7              | 14,8             | 6,6              | 13,8             | 6,9              | 13,2             | 5,5              | 11,6             | 3,9              | 9,9              | 88  |
| 96       | 6,7              | 13,1             | 5,9              | 12,4             | 4,9              | 11,5             | 5,1              | 11,2             | 3,9              | 9,6              | -                | 7,8              | 96  |
| 104      | 5,2              | 11,0             | 4,4              | 10,2             | 3,5              | 9,3              | 3,5              | 9,3              | 2,6              | 7,9              | -                | 6,2              | 104 |
| 112      | 4,1              | 9,4              | 3,2              | 8,5              | -                | 7,8              | -                | 7,8              | -                | 6,3              | -                | 4,8              | 112 |
| 120      | -                | -                | -                | 7,2              | -                | 6,4              | -                | 6,4              | -                | 5,0              | -                | 3,5              | 120 |
| 128      | -                | -                | -                | 6,2              | -                | 5,3              | -                | 5,3              | -                | 4,1              | -                | 2,5              | 128 |
| 136      | -                | -                | -                | -                | -                | 4,2              | -                | 4,2              | -                | 3,1              | -                | -                | 136 |
| 144      | -                | -                | -                | -                | -                | -                | -                | 3,3              | -                | 2,4              | -                | -                | 144 |
| 1)       | 3.7              | 7.1              | -                | 4.9              | -                | 2.9              | -                | -                | -                | -                | -                | -                | 1)  |

1) Capacities with horizontal boom

\* Max. values are valid only for specific superstructure positions

|  69,700 lb       |                 |  25.3 ft x 15.4 ft |                 | 360° / Max.*    |                 |                 |                 |                 |                 |                  |                  | 85%                                                                                 |  |
|---------------------------------------------------------------------------------------------------|-----------------|-----------------------------------------------------------------------------------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|------------------|------------------|-------------------------------------------------------------------------------------|--|
|  360°<br>41.0 ft | Max.<br>41.0 ft | 360°<br>54.5 ft                                                                                     | Max.<br>54.5 ft | 360°<br>67.9 ft | Max.<br>67.9 ft | 360°<br>81.4 ft | Max.<br>81.4 ft | 360°<br>94.8 ft | Max.<br>94.8 ft | 360°<br>108.3 ft | Max.<br>108.3 ft |  |  |
| ft                                                                                                | 1,000 lb        |                                                                                                     |                 |                 |                 |                 |                 |                 |                 |                  |                  | ft                                                                                  |  |
| 10                                                                                                | -               | 200.7                                                                                               | -               | 195.2           | -               | 190.2           | -               | 168.3           | -               | -                | -                | 10                                                                                  |  |
| 12                                                                                                | 162.6           | 182.6                                                                                               | 164.1           | 177.9           | 164.4           | 173.5           | 162.6           | 164.9           | 128.9           | 128.9            | -                | 12                                                                                  |  |
| 14                                                                                                | 145.6           | 166.5                                                                                               | 147.2           | 163.2           | 147.4           | 159.0           | 147.0           | 155.4           | 126.3           | 128.0            | -                | 14                                                                                  |  |
| 16                                                                                                | 131.5           | 151.9                                                                                               | 133.0           | 150.8           | 133.2           | 146.7           | 128.8           | 143.2           | 118.9           | 126.7            | 98.3             | 16                                                                                  |  |
| 18                                                                                                | 118.1           | 140.0                                                                                               | 120.4           | 140.3           | 120.8           | 136.7           | 114.2           | 133.3           | 107.2           | 124.2            | 92.7             | 18                                                                                  |  |
| 20                                                                                                | 104.5           | 129.1                                                                                               | 107.5           | 130.4           | 108.0           | 127.3           | 103.2           | 124.0           | 94.9            | 120.7            | 87.4             | 20                                                                                  |  |
| 24                                                                                                | 76.4            | 111.7                                                                                               | 80.4            | 113.2           | 81.7            | 112.3           | 81.5            | 109.4           | 77.2            | 108.4            | 72.1             | 24                                                                                  |  |
| 28                                                                                                | 59.1            | 94.2                                                                                                | 62.5            | 99.6            | 63.7            | 99.6            | 63.6            | 97.6            | 62.8            | 96.8             | 62.0             | 28                                                                                  |  |
| 32                                                                                                | -               | -                                                                                                   | 50.6            | 87.9            | 51.7            | 88.0            | 51.6            | 88.4            | 52.5            | 87.3             | 52.0             | 32                                                                                  |  |
| 36                                                                                                | -               | -                                                                                                   | 42.7            | 77.5            | 43.7            | 77.6            | 43.7            | 78.9            | 44.8            | 77.9             | 44.0             | 36                                                                                  |  |
| 40                                                                                                | -               | -                                                                                                   | 31.0            | 63.2            | 37.6            | 67.9            | 38.5            | 69.4            | 37.8            | 68.7             | 38.1             | 40                                                                                  |  |
| 48                                                                                                | -               | -                                                                                                   | -               | -               | 29.1            | 56.4            | 29.5            | 56.2            | 29.5            | 55.3             | 29.3             | 48                                                                                  |  |
| 56                                                                                                | -               | -                                                                                                   | -               | -               | 23.0            | 39.1            | 23.3            | 46.0            | 23.4            | 45.1             | 23.6             | 56                                                                                  |  |
| 64                                                                                                | -               | -                                                                                                   | -               | -               | -               | -               | 19.1            | 37.7            | 19.3            | 36.8             | 19.1             | 64                                                                                  |  |
| 72                                                                                                | -               | -                                                                                                   | -               | -               | -               | -               | 15.7            | 25.4            | 15.9            | 30.6             | 15.7             | 72                                                                                  |  |
| 80                                                                                                | -               | -                                                                                                   | -               | -               | -               | -               | -               | -               | 13.6            | 25.6             | 13.3             | 80                                                                                  |  |
| 88                                                                                                | -               | -                                                                                                   | -               | -               | -               | -               | -               | -               | 11.6            | 15.7             | 11.3             | 88                                                                                  |  |
| 96                                                                                                | -               | -                                                                                                   | -               | -               | -               | -               | -               | -               | -               | -                | 9.7              | 96                                                                                  |  |
| 104                                                                                               | -               | -                                                                                                   | -               | -               | -               | -               | -               | -               | -               | -                | 8.3              | 104                                                                                 |  |
| 1)                                                                                                | 34.6            | 34.6                                                                                                | 25.1            | 25.1            | 19.4            | 19.4            | 15.0            | 15.0            | 11.9            | 11.9             | 9.0              | 1)                                                                                  |  |

|  360°<br>121.7 ft | Max.<br>121.7 ft | 360°<br>135.2 ft | Max.<br>135.2 ft | 360°<br>148.6 ft | Max.<br>148.6 ft | 360°<br>162.1 ft | Max.<br>162.1 ft | 360°<br>175.5 ft | Max.<br>175.5 ft | 360°<br>196.2 ft | Max.<br>196.2 ft |  |
|-----------------------------------------------------------------------------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|--------------------------------------------------------------------------------------|
| ft                                                                                                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | ft                                                                                   |
| 1,000 lb                                                                                            |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                                                                                      |
| 20                                                                                                  | 78.3             | 79.3             | -                | -                | -                | -                | -                | -                | -                | -                | -                | 20                                                                                   |
| 24                                                                                                  | 67.3             | 77.7             | 59.9             | 61.6             | -                | -                | -                | -                | -                | -                | -                | 24                                                                                   |
| 28                                                                                                  | 58.0             | 73.6             | 53.4             | 60.8             | 47.9             | 48.6             | -                | -                | -                | -                | -                | 28                                                                                   |
| 32                                                                                                  | 50.3             | 68.7             | 48.1             | 58.6             | 44.1             | 48.2             | 39.1             | 39.1             | -                | -                | -                | 32                                                                                   |
| 36                                                                                                  | 43.6             | 63.4             | 42.2             | 55.4             | 39.7             | 46.9             | 36.2             | 38.9             | 32.0             | 32.0             | -                | 36                                                                                   |
| 40                                                                                                  | 37.4             | 58.1             | 37.4             | 52.1             | 36.7             | 45.3             | 34.0             | 38.6             | 31.5             | 31.9             | 23.1             | 40                                                                                   |
| 48                                                                                                  | 29.2             | 49.3             | 28.8             | 45.4             | 28.0             | 40.7             | 28.2             | 36.3             | 26.6             | 31.4             | 22.7             | 48                                                                                   |
| 56                                                                                                  | 23.3             | 42.2             | 22.7             | 39.3             | 22.0             | 36.3             | 22.0             | 33.1             | 21.4             | 29.8             | 19.7             | 56                                                                                   |
| 64                                                                                                  | 18.9             | 36.5             | 18.4             | 33.9             | 17.7             | 32.0             | 17.7             | 29.8             | 17.1             | 27.9             | 16.1             | 64                                                                                   |
| 72                                                                                                  | 15.5             | 30.6             | 15.1             | 29.2             | 14.4             | 28.1             | 14.4             | 26.7             | 13.7             | 25.6             | 13.1             | 72                                                                                   |
| 80                                                                                                  | 13.1             | 25.8             | 12.5             | 25.5             | 12.0             | 24.4             | 12.0             | 23.8             | 11.3             | 23.2             | 10.7             | 80                                                                                   |
| 88                                                                                                  | 11.1             | 22.1             | 10.6             | 22.5             | 9.9              | 21.4             | 9.9              | 21.2             | 9.3              | 20.9             | 8.6              | 88                                                                                   |
| 96                                                                                                  | 9.4              | 19.7             | 8.9              | 19.6             | 8.3              | 18.8             | 8.3              | 19.0             | 7.7              | 18.5             | 7.0              | 96                                                                                   |
| 104                                                                                                 | 8.1              | 18.1             | 7.4              | 17.1             | 7.0              | 17.0             | 7.0              | 16.6             | 6.3              | 16.0             | 5.7              | 104                                                                                  |
| 112                                                                                                 | 7.0              | 12.3             | 6.3              | 14.9             | 5.9              | 14.9             | 5.9              | 14.2             | 5.2              | 14.4             | 4.3              | 112                                                                                  |
| 120                                                                                                 | -                | -                | 5.5              | 13.3             | 4.8              | 13.4             | 4.8              | 12.4             | 3.9              | 12.6             | 3.1              | 120                                                                                  |
| 128                                                                                                 | -                | -                | 4.5              | 11.7             | 3.9              | 11.9             | 3.9              | 11.2             | 3.0              | 11.0             | -                | 128                                                                                  |
| 136                                                                                                 | -                | -                | -                | -                | 3.0              | 10.1             | 3.0              | 10.3             | -                | 9.6              | -                | 136                                                                                  |
| 144                                                                                                 | -                | -                | -                | -                | -                | -                | -                | 9.3              | -                | 8.4              | -                | 144                                                                                  |
| 152                                                                                                 | -                | -                | -                | -                | -                | -                | -                | -                | -                | 7.4              | -                | 152                                                                                  |
| 160                                                                                                 | -                | -                | -                | -                | -                | -                | -                | -                | -                | 6.4              | -                | 160                                                                                  |
| 168                                                                                                 | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                | 168                                                                                  |
| 176                                                                                                 | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                | 176                                                                                  |
| 1)                                                                                                  | 6.8              | 7.1              | 4.6              | 4.9              | 2.6              | 2.9              | -                | -                | -                | -                | -                | 1)                                                                                   |

1) Capacities with horizontal boom

\* Max. values are valid only for specific superstructure positions

| 57,800 lb                                                                         |                 | 25.3 ft x 15.4 ft |                 | 360° / Max.*    |                 |                 |                 |                 |                 |                 |                  | 85%              |                                                                                     |
|-----------------------------------------------------------------------------------|-----------------|-------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|------------------|------------------|-------------------------------------------------------------------------------------|
|  | 360°<br>41.0 ft | Max.<br>41.0 ft   | 360°<br>54.5 ft | Max.<br>54.5 ft | 360°<br>67.9 ft | Max.<br>67.9 ft | 360°<br>81.4 ft | Max.<br>81.4 ft | 360°<br>94.8 ft | Max.<br>94.8 ft | 360°<br>108.3 ft | Max.<br>108.3 ft |  |
| ft                                                                                | 1,000 lb        |                   |                 |                 |                 |                 |                 |                 |                 |                 |                  |                  | ft                                                                                  |
| 10                                                                                | 181.0           | 200.7             | 182.4           | 195.2           | 182.6           | 190.2           | 168.2           | 168.3           | -               | -               | -                | -                | 10                                                                                  |
| 12                                                                                | 160.2           | 182.6             | 161.8           | 177.9           | 162.0           | 173.5           | 158.7           | 164.9           | 127.6           | 128.9           | -                | -                | 12                                                                                  |
| 14                                                                                | 143.4           | 166.5             | 145.1           | 163.2           | 145.2           | 159.0           | 132.8           | 155.4           | 120.1           | 128.0           | -                | -                | 14                                                                                  |
| 16                                                                                | 129.4           | 151.9             | 131.2           | 150.8           | 126.2           | 146.7           | 117.6           | 143.2           | 106.5           | 126.7           | 95.4             | 98.3             | 16                                                                                  |
| 18                                                                                | 110.9           | 140.0             | 113.2           | 140.3           | 109.8           | 136.7           | 103.6           | 133.3           | 94.2            | 124.2           | 86.5             | 97.5             | 18                                                                                  |
| 20                                                                                | 92.0            | 129.1             | 94.8            | 130.4           | 98.1            | 127.3           | 90.9            | 124.0           | 83.1            | 120.7           | 78.2             | 96.7             | 20                                                                                  |
| 24                                                                                | 66.8            | 111.7             | 70.9            | 113.2           | 72.1            | 112.3           | 71.9            | 109.4           | 67.8            | 108.4           | 65.8             | 94.8             | 24                                                                                  |
| 28                                                                                | 51.5            | 94.2              | 55.0            | 98.3            | 56.1            | 98.5            | 55.9            | 97.0            | 57.1            | 96.8            | 55.2             | 91.3             | 28                                                                                  |
| 32                                                                                | -               | -                 | 44.2            | 84.6            | 46.0            | 84.7            | 46.8            | 86.1            | 46.5            | 85.3            | 45.8             | 83.7             | 32                                                                                  |
| 36                                                                                | -               | -                 | 37.2            | 74.2            | 39.1            | 74.3            | 39.9            | 75.9            | 39.3            | 75.1            | 39.3             | 74.0             | 36                                                                                  |
| 40                                                                                | -               | -                 | 26.3            | 60.7            | 33.3            | 67.0            | 33.7            | 66.6            | 33.7            | 65.7            | 33.7             | 64.6             | 40                                                                                  |
| 48                                                                                | -               | -                 | -               | -               | 25.1            | 53.5            | 25.5            | 53.2            | 26.0            | 52.5            | 25.7             | 51.1             | 48                                                                                  |
| 56                                                                                | -               | -                 | -               | -               | 19.8            | 37.4            | 20.0            | 42.3            | 20.5            | 41.4            | 20.3             | 39.9             | 56                                                                                  |
| 64                                                                                | -               | -                 | -               | -               | -               | -               | 16.1            | 34.4            | 16.6            | 33.3            | 16.4             | 34.2             | 64                                                                                  |
| 72                                                                                | -               | -                 | -               | -               | -               | -               | 13.3            | 25.4            | 13.7            | 28.5            | 13.3             | 29.0             | 72                                                                                  |
| 80                                                                                | -               | -                 | -               | -               | -               | -               | -               | -               | 11.4            | 24.9            | 11.2             | 24.3             | 80                                                                                  |
| 88                                                                                | -               | -                 | -               | -               | -               | -               | -               | -               | 9.7             | 15.7            | 9.4              | 21.0             | 88                                                                                  |
| 96                                                                                | -               | -                 | -               | -               | -               | -               | -               | -               | -               | -               | 7.9              | 17.8             | 96                                                                                  |
| 104                                                                               | -               | -                 | -               | -               | -               | -               | -               | -               | -               | -               | 6.7              | 15.3             | 104                                                                                 |
| 1)                                                                                | 34.6            | 34.6              | 25.1            | 25.1            | 17.9            | 19.4            | 13.0            | 15.0            | 9.9             | 11.9            | 7.3              | 9.0              | 1)                                                                                  |

|  | 360°<br>121.7 ft | Max.<br>121.7 ft | 360°<br>135.2 ft | Max.<br>135.2 ft | 360°<br>148.6 ft | Max.<br>148.6 ft | 360°<br>162.1 ft | Max.<br>162.1 ft | 360°<br>175.5 ft | Max.<br>175.5 ft | 360°<br>196.2 ft | Max.<br>196.2 ft |  |
|------------------------------------------------------------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|--------------------------------------------------------------------------------------|
| ft                                                                                 | 1,000 lb         |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | ft                                                                                   |
| 20                                                                                 | 72.4             | 79.3             | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                | 20                                                                                   |
| 24                                                                                 | 59.8             | 77.7             | 55.4             | 61.6             | -                | -                | -                | -                | -                | -                | -                | -                | 24                                                                                   |
| 28                                                                                 | 51.9             | 73.6             | 48.7             | 60.8             | 43.9             | 48.6             | -                | -                | -                | -                | -                | -                | 28                                                                                   |
| 32                                                                                 | 45.5             | 68.7             | 43.3             | 58.6             | 40.8             | 48.2             | 36.9             | 39.1             | -                | -                | -                | -                | 32                                                                                   |
| 36                                                                                 | 38.8             | 63.4             | 37.9             | 55.4             | 36.1             | 46.9             | 33.2             | 38.9             | 29.9             | 32.0             | -                | -                | 36                                                                                   |
| 40                                                                                 | 33.7             | 58.1             | 32.8             | 52.1             | 31.6             | 45.3             | 30.4             | 38.6             | 27.8             | 31.9             | 23.0             | 23.1             | 40                                                                                   |
| 48                                                                                 | 25.5             | 48.9             | 24.9             | 45.4             | 24.2             | 40.7             | 24.1             | 36.3             | 22.3             | 31.4             | 20.2             | 23.1             | 48                                                                                   |
| 56                                                                                 | 20.0             | 40.7             | 19.6             | 38.4             | 18.8             | 36.3             | 18.9             | 33.1             | 18.0             | 29.8             | 16.1             | 23.1             | 56                                                                                   |
| 64                                                                                 | 16.1             | 33.2             | 15.7             | 31.9             | 15.0             | 31.1             | 15.0             | 29.8             | 14.4             | 27.9             | 12.8             | 23.0             | 64                                                                                   |
| 72                                                                                 | 13.3             | 27.5             | 12.6             | 27.8             | 12.0             | 26.8             | 12.0             | 26.1             | 11.3             | 25.6             | 10.2             | 22.1             | 72                                                                                   |
| 80                                                                                 | 10.9             | 23.5             | 10.5             | 23.5             | 9.8              | 22.4             | 9.8              | 23.0             | 9.2              | 22.4             | 8.1              | 20.7             | 80                                                                                   |
| 88                                                                                 | 9.2              | 21.1             | 8.7              | 20.2             | 8.1              | 20.2             | 8.1              | 19.7             | 7.4              | 19.3             | 6.3              | 18.7             | 88                                                                                   |
| 96                                                                                 | 7.7              | 18.5             | 7.2              | 17.3             | 6.6              | 17.7             | 6.6              | 16.8             | 5.9              | 17.0             | 4.8              | 16.0             | 96                                                                                   |
| 104                                                                                | 6.5              | 16.0             | 5.9              | 15.8             | 5.4              | 15.3             | 5.4              | 14.7             | 4.6              | 14.6             | 3.5              | 13.5             | 104                                                                                  |
| 112                                                                                | 5.5              | 12.3             | 5.0              | 13.8             | 4.1              | 13.4             | 4.1              | 13.4             | 3.5              | 12.5             | -                | 11.6             | 112                                                                                  |
| 120                                                                                | -                | -                | 3.9              | 12.3             | 3.1              | 11.7             | 3.1              | 11.7             | -                | 10.9             | -                | 10.0             | 120                                                                                  |
| 128                                                                                | -                | -                | 3.1              | 11.1             | -                | 10.2             | -                | 10.2             | -                | 9.4              | -                | 8.5              | 128                                                                                  |
| 136                                                                                | -                | -                | -                | -                | -                | 8.9              | -                | 8.9              | -                | 8.0              | -                | 7.1              | 136                                                                                  |
| 144                                                                                | -                | -                | -                | -                | -                | -                | -                | 7.8              | -                | 6.9              | -                | 5.8              | 144                                                                                  |
| 152                                                                                | -                | -                | -                | -                | -                | -                | -                | -                | -                | 5.8              | -                | 5.0              | 152                                                                                  |
| 160                                                                                | -                | -                | -                | -                | -                | -                | -                | -                | -                | 5.0              | -                | 4.2              | 160                                                                                  |
| 168                                                                                | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                | 3.4              | 168                                                                                  |
| 176                                                                                | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                | 2.7              | 176                                                                                  |
| 1)                                                                                 | 5.3              | 7.1              | 3.1              | 4.9              | -                | 2.9              | -                | -                | -                | -                | -                | -                | 1)                                                                                   |

1) Capacities with horizontal boom

\* Max. values are valid only for specific superstructure positions

|  23,600 lb       |                 |  25.3 ft x 15.4 ft |                 | 360° / Max.*    |                 |                 |                 |                 |                 |                  |                  | 85 %                                                                                |  |
|---------------------------------------------------------------------------------------------------|-----------------|-----------------------------------------------------------------------------------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|------------------|------------------|-------------------------------------------------------------------------------------|--|
|  360°<br>41.0 ft | Max.<br>41.0 ft |  360°<br>54.5 ft   | Max.<br>54.5 ft | 360°<br>67.9 ft | Max.<br>67.9 ft | 360°<br>81.4 ft | Max.<br>81.4 ft | 360°<br>94.8 ft | Max.<br>94.8 ft | 360°<br>108.3 ft | Max.<br>108.3 ft |  |  |
| ft                                                                                                | 1,000 lb        |                                                                                                     |                 |                 |                 |                 |                 |                 |                 |                  |                  | ft                                                                                  |  |
| 10                                                                                                | 173.2           | 200.7                                                                                               | 173.2           | 195.2           | 148.5           | 190.2           | 131.3           | 168.3           | -               | -                | -                | 10                                                                                  |  |
| 12                                                                                                | 149.5           | 182.6                                                                                               | 135.0           | 177.9           | 121.2           | 173.5           | 106.2           | 164.9           | 94.5            | 128.9            | -                | 12                                                                                  |  |
| 14                                                                                                | 118.3           | 166.5                                                                                               | 108.5           | 163.2           | 99.2            | 159.0           | 88.3            | 155.4           | 82.2            | 128.0            | -                | 14                                                                                  |  |
| 16                                                                                                | 90.1            | 151.9                                                                                               | 90.9            | 150.8           | 83.2            | 146.7           | 77.0            | 143.2           | 70.7            | 126.7            | 65.3             | 16                                                                                  |  |
| 18                                                                                                | 71.9            | 139.3                                                                                               | 75.6            | 140.0           | 72.0            | 136.7           | 68.3            | 133.3           | 62.3            | 124.2            | 58.6             | 18                                                                                  |  |
| 20                                                                                                | 57.0            | 126.9                                                                                               | 61.6            | 129.1           | 63.4            | 126.7           | 59.6            | 123.7           | 56.0            | 120.2            | 51.9             | 20                                                                                  |  |
| 24                                                                                                | 40.4            | 102.6                                                                                               | 44.4            | 104.6           | 47.2            | 104.8           | 47.1            | 103.8           | 45.3            | 104.0            | 42.3             | 24                                                                                  |  |
| 28                                                                                                | 30.2            | 85.2                                                                                                | 33.7            | 87.2            | 36.4            | 87.2            | 36.9            | 87.1            | 36.8            | 82.2             | 35.1             | 28                                                                                  |  |
| 32                                                                                                | -               | -                                                                                                   | 26.6            | 72.0            | 29.1            | 74.6            | 29.5            | 71.1            | 30.0            | 67.4             | 29.3             | 32                                                                                  |  |
| 36                                                                                                | -               | -                                                                                                   | 21.9            | 59.2            | 24.1            | 60.7            | 24.6            | 59.6            | 25.1            | 56.8             | 24.7             | 36                                                                                  |  |
| 40                                                                                                | -               | -                                                                                                   | 12.8            | 43.5            | 19.8            | 50.7            | 20.3            | 50.7            | 20.9            | 48.7             | 20.5             | 40                                                                                  |  |
| 48                                                                                                | -               | -                                                                                                   | -               | -               | 14.5            | 37.9            | 15.0            | 37.7            | 15.4            | 38.8             | 15.1             | 48                                                                                  |  |
| 56                                                                                                | -               | -                                                                                                   | -               | -               | 10.8            | 29.7            | 11.3            | 29.9            | 11.6            | 30.0             | 11.4             | 56                                                                                  |  |
| 64                                                                                                | -               | -                                                                                                   | -               | -               | -               | -               | 8.6             | 23.9            | 9.0             | 23.7             | 8.6              | 64                                                                                  |  |
| 72                                                                                                | -               | -                                                                                                   | -               | -               | -               | -               | 6.7             | 19.3            | 7.1             | 19.3             | 6.7              | 72                                                                                  |  |
| 80                                                                                                | -               | -                                                                                                   | -               | -               | -               | -               | -               | -               | 5.5             | 16.1             | 5.3              | 80                                                                                  |  |
| 88                                                                                                | -               | -                                                                                                   | -               | -               | -               | -               | -               | -               | 4.3             | 13.5             | 4.0              | 88                                                                                  |  |
| 96                                                                                                | -               | -                                                                                                   | -               | -               | -               | -               | -               | -               | -               | -                | 2.8              | 96                                                                                  |  |
| 104                                                                                               | -               | -                                                                                                   | -               | -               | -               | -               | -               | -               | -               | -                | -                | 104                                                                                 |  |
| 1)                                                                                                | 22.9            | 34.6                                                                                                | 13.9            | 25.1            | 9.5             | 19.4            | 6.4             | 15.0            | 4.4             | 11.9             | 2.2              | 1)                                                                                  |  |

|  360°<br>121.7 ft | Max.<br>121.7 ft |  360°<br>135.2 ft | Max.<br>135.2 ft | 360°<br>148.6 ft | Max.<br>148.6 ft | 360°<br>162.1 ft | Max.<br>162.1 ft | 360°<br>175.5 ft | Max.<br>175.5 ft | 360°<br>196.2 ft | Max.<br>196.2 ft |  |
|-----------------------------------------------------------------------------------------------------|------------------|-----------------------------------------------------------------------------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|--------------------------------------------------------------------------------------|
| ft                                                                                                  |                  |                                                                                                     |                  |                  |                  |                  |                  |                  |                  |                  |                  | ft                                                                                   |
| 1,000 lb                                                                                            |                  |                                                                                                     |                  |                  |                  |                  |                  |                  |                  |                  |                  |                                                                                      |
| 20                                                                                                  | 48.2             | 79.3                                                                                                | -                | -                | -                | -                | -                | -                | -                | -                | -                | 20                                                                                   |
| 24                                                                                                  | 39.4             | 77.6                                                                                                | 36.0             | 61.6             | -                | -                | -                | -                | -                | -                | -                | 24                                                                                   |
| 28                                                                                                  | 32.8             | 68.3                                                                                                | 30.1             | 59.9             | 27.9             | 48.6             | -                | -                | -                | -                | -                | 28                                                                                   |
| 32                                                                                                  | 27.8             | 59.1                                                                                                | 25.3             | 53.8             | 23.5             | 48.2             | 22.3             | 39.1             | -                | -                | -                | 32                                                                                   |
| 36                                                                                                  | 23.8             | 50.9                                                                                                | 21.9             | 46.4             | 20.2             | 42.8             | 19.2             | 37.9             | 17.1             | 32.0             | -                | 36                                                                                   |
| 40                                                                                                  | 20.1             | 43.6                                                                                                | 18.8             | 41.9             | 17.3             | 38.3             | 16.4             | 36.4             | 14.5             | 31.7             | 12.5             | 40                                                                                   |
| 48                                                                                                  | 15.0             | 35.3                                                                                                | 14.0             | 33.0             | 12.9             | 32.3             | 12.3             | 30.0             | 10.6             | 27.1             | 8.9              | 48                                                                                   |
| 56                                                                                                  | 11.2             | 28.2                                                                                                | 10.6             | 27.3             | 9.6              | 25.6             | 9.2              | 24.6             | 7.6              | 22.6             | 6.0              | 56                                                                                   |
| 64                                                                                                  | 8.6              | 23.1                                                                                                | 8.0              | 22.2             | 7.1              | 20.5             | 6.8              | 19.8             | 5.5              | 18.1             | 3.9              | 64                                                                                   |
| 72                                                                                                  | 6.4              | 19.0                                                                                                | 6.0              | 18.4             | 5.1              | 17.3             | 4.9              | 16.2             | 3.6              | 14.6             | -                | 72                                                                                   |
| 80                                                                                                  | 5.1              | 15.6                                                                                                | 4.4              | 15.0             | 3.5              | 14.1             | 3.3              | 13.7             | -                | 12.0             | -                | 80                                                                                   |
| 88                                                                                                  | 3.7              | 12.9                                                                                                | 3.1              | 12.1             | -                | 11.2             | -                | 11.1             | -                | 9.6              | -                | 88                                                                                   |
| 96                                                                                                  | -                | 10.9                                                                                                | -                | 10.2             | -                | 9.2              | -                | 8.9              | -                | 7.6              | -                | 96                                                                                   |
| 104                                                                                                 | -                | 9.2                                                                                                 | -                | 8.6              | -                | 7.7              | -                | 7.3              | -                | 6.1              | -                | 104                                                                                  |
| 112                                                                                                 | -                | 7.6                                                                                                 | -                | 7.0              | -                | 6.1              | -                | 6.1              | -                | 4.8              | -                | 112                                                                                  |
| 120                                                                                                 | -                | -                                                                                                   | -                | 5.7              | -                | 4.8              | -                | 4.8              | -                | 3.7              | -                | 120                                                                                  |
| 128                                                                                                 | -                | -                                                                                                   | -                | 4.6              | -                | 3.9              | -                | 3.9              | -                | 2.8              | -                | 128                                                                                  |
| 136                                                                                                 | -                | -                                                                                                   | -                | -                | -                | 3.0              | -                | 3.0              | -                | -                | -                | 136                                                                                  |
| 144                                                                                                 | -                | -                                                                                                   | -                | -                | -                | -                | -                | 2.2              | -                | -                | -                | 144                                                                                  |
| 1)                                                                                                  | -                | 7.1                                                                                                 | -                | 4.9              | -                | 2.6              | -                | -                | -                | -                | -                | 1)                                                                                   |

1) Capacities with horizontal boom

\* Max. values are valid only for specific superstructure positions

| 19,000 lb |                 | 25.3 ft x 15.4 ft |                 | 360° / Max.*    |                 |                 |                 |                 |                 |                 |                  | 85%              |     |
|-----------|-----------------|-------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|------------------|------------------|-----|
| ft        | 360°<br>41.0 ft | Max.<br>41.0 ft   | 360°<br>54.5 ft | Max.<br>54.5 ft | 360°<br>67.9 ft | Max.<br>67.9 ft | 360°<br>81.4 ft | Max.<br>81.4 ft | 360°<br>94.8 ft | Max.<br>94.8 ft | 360°<br>108.3 ft | Max.<br>108.3 ft | ft  |
| 1,000 lb  |                 |                   |                 |                 |                 |                 |                 |                 |                 |                 |                  |                  |     |
| 10        | 171.7           | 200.7             | 164.6           | 195.2           | 137.5           | 190.2           | 121.7           | 168.3           | -               | -               | -                | -                | 10  |
| 12        | 142.7           | 182.6             | 124.9           | 177.9           | 112.4           | 173.5           | 98.1            | 164.9           | 89.9            | 128.9           | -                | -                | 12  |
| 14        | 109.6           | 166.5             | 101.8           | 163.2           | 91.8            | 159.0           | 82.7            | 155.4           | 76.1            | 128.0           | -                | -                | 14  |
| 16        | 83.1            | 151.9             | 83.9            | 150.8           | 76.8            | 146.7           | 72.2            | 143.2           | 65.9            | 126.7           | 61.0             | 98.3             | 16  |
| 18        | 66.2            | 138.1             | 69.8            | 138.8           | 67.1            | 136.7           | 63.1            | 133.3           | 58.8            | 124.2           | 54.1             | 97.5             | 18  |
| 20        | 52.2            | 124.5             | 56.8            | 126.7           | 58.7            | 126.5           | 55.0            | 123.5           | 51.6            | 119.6           | 47.7             | 96.5             | 20  |
| 24        | 36.8            | 100.7             | 40.7            | 102.7           | 43.7            | 102.8           | 43.3            | 101.9           | 41.6            | 97.9            | 38.7             | 87.8             | 24  |
| 28        | 27.3            | 82.3              | 30.9            | 85.0            | 33.5            | 84.5            | 34.0            | 81.9            | 33.9            | 77.2            | 32.1             | 70.0             | 28  |
| 32        | -               | -                 | 24.1            | 69.1            | 26.6            | 70.0            | 27.0            | 67.1            | 27.7            | 63.5            | 26.8             | 58.5             | 32  |
| 36        | -               | -                 | 19.7            | 56.1            | 22.0            | 57.3            | 22.5            | 56.6            | 23.0            | 53.7            | 22.6             | 51.6             | 36  |
| 40        | -               | -                 | 11.1            | 40.5            | 18.1            | 48.6            | 18.5            | 48.1            | 19.0            | 45.8            | 18.7             | 44.5             | 40  |
| 48        | -               | -                 | -               | -               | 13.1            | 35.4            | 13.5            | 35.2            | 13.9            | 36.2            | 13.6             | 33.7             | 48  |
| 56        | -               | -                 | -               | -               | 9.7             | 27.5            | 10.1            | 28.1            | 10.4            | 27.3            | 10.2             | 27.7             | 56  |
| 64        | -               | -                 | -               | -               | -               | -               | 7.5             | 21.8            | 7.9             | 21.9            | 7.7              | 21.7             | 64  |
| 72        | -               | -                 | -               | -               | -               | -               | 5.8             | 17.5            | 6.0             | 17.7            | 5.8              | 17.5             | 72  |
| 80        | -               | -                 | -               | -               | -               | -               | -               | -               | 4.7             | 14.6            | 4.4              | 14.3             | 80  |
| 88        | -               | -                 | -               | -               | -               | -               | -               | -               | 3.6             | 12.3            | 3.1              | 11.9             | 88  |
| 96        | -               | -                 | -               | -               | -               | -               | -               | -               | -               | -               | -                | 10.1             | 96  |
| 104       | -               | -                 | -               | -               | -               | -               | -               | -               | -               | -               | -                | 8.5              | 104 |
| 1)        | 20.5            | 34.6              | 12.3            | 25.1            | 8.4             | 19.4            | 5.5             | 15.0            | 3.5             | 11.9            | -                | 9.0              | 1)  |

| ft       | 360°<br>121.7 ft | Max.<br>121.7 ft | 360°<br>135.2 ft | Max.<br>135.2 ft | 360°<br>148.6 ft | Max.<br>148.6 ft | 360°<br>162.1 ft | Max.<br>162.1 ft | 360°<br>175.5 ft | Max.<br>175.5 ft | 360°<br>196.2 ft | Max.<br>196.2 ft | ft  |
|----------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-----|
| 1,000 lb |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |     |
| 20       | 44.3             | 79.3             | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                | 20  |
| 24       | 36.2             | 75.6             | 32.9             | 61.6             | -                | -                | -                | -                | -                | -                | -                | -                | 24  |
| 28       | 30.1             | 63.9             | 27.3             | 57.5             | 25.2             | 48.6             | -                | -                | -                | -                | -                | -                | 28  |
| 32       | 25.3             | 55.2             | 22.9             | 50.3             | 21.3             | 45.7             | 19.9             | 39.1             | -                | -                | -                | -                | 32  |
| 36       | 21.7             | 46.6             | 19.6             | 44.3             | 18.1             | 40.6             | 17.0             | 36.5             | 15.2             | 32.0             | -                | -                | 36  |
| 40       | 18.3             | 41.9             | 16.6             | 38.5             | 15.3             | 37.6             | 14.5             | 34.6             | 12.7             | 31.4             | 10.7             | 23.1             | 40  |
| 48       | 13.5             | 32.7             | 12.3             | 31.5             | 11.2             | 29.7             | 10.6             | 28.0             | 9.1              | 25.4             | 7.2              | 22.1             | 48  |
| 56       | 9.9              | 26.6             | 9.2              | 24.6             | 8.2              | 23.2             | 7.8              | 22.3             | 6.2              | 20.4             | 4.7              | 18.1             | 56  |
| 64       | 7.5              | 21.4             | 6.8              | 20.2             | 5.9              | 18.6             | 5.5              | 17.8             | 4.1              | 16.0             | -                | 14.2             | 64  |
| 72       | 5.6              | 17.3             | 4.9              | 16.4             | 4.0              | 15.3             | 3.8              | 14.6             | 2.5              | 12.8             | -                | 10.9             | 72  |
| 80       | 4.2              | 13.9             | 3.5              | 13.2             | -                | 12.4             | -                | 12.0             | -                | 10.5             | -                | 8.7              | 80  |
| 88       | 2.9              | 11.7             | -                | 10.7             | -                | 9.8              | -                | 9.7              | -                | 8.4              | -                | 6.9              | 88  |
| 96       | -                | 9.8              | -                | 9.1              | -                | 8.0              | -                | 7.8              | -                | 6.7              | -                | 5.1              | 96  |
| 104      | -                | 8.1              | -                | 7.5              | -                | 6.6              | -                | 6.2              | -                | 5.0              | -                | 3.7              | 104 |
| 112      | -                | 6.8              | -                | 6.1              | -                | 5.2              | -                | 5.0              | -                | 3.9              | -                | -                | 112 |
| 120      | -                | -                | -                | 4.9              | -                | 4.2              | -                | 4.0              | -                | 2.8              | -                | -                | 120 |
| 128      | -                | -                | -                | 4.0              | -                | 3.2              | -                | 3.1              | -                | -                | -                | -                | 128 |
| 136      | -                | -                | -                | -                | -                | 2.4              | -                | -                | -                | -                | -                | -                | 136 |
| 1)       | -                | 6.6              | -                | 4.0              | -                | -                | -                | -                | -                | -                | -                | -                | 1)  |

1) Capacities with horizontal boom

\* Max. values are valid only for specific superstructure positions

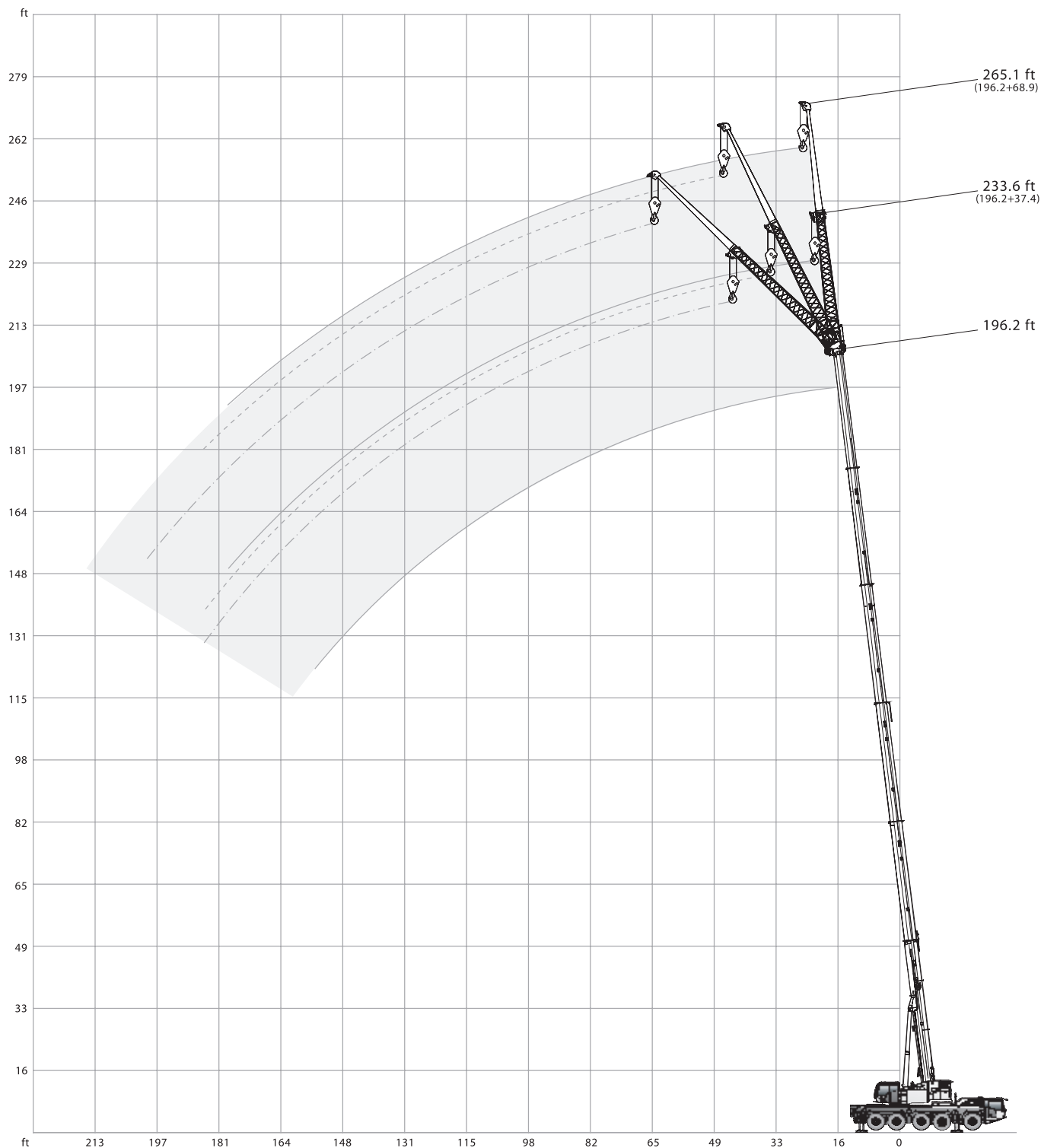
|  8,200 lb                                                                          |                 |  25.3 ft x 8.4 ft |                 | 360° / Max.*    |                 |                 |                 |                 |                 |                 |                  |                  |                                                                                     | 85 % |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|----------------------------------------------------------------------------------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|------------------|------------------|-------------------------------------------------------------------------------------|------|--|
|   | 360°<br>41.0 ft | Max.<br>41.0 ft                                                                                    | 360°<br>54.5 ft | Max.<br>54.5 ft | 360°<br>67.9 ft | Max.<br>67.9 ft | 360°<br>81.4 ft | Max.<br>81.4 ft | 360°<br>94.8 ft | Max.<br>94.8 ft | 360°<br>108.3 ft | Max.<br>108.3 ft |  |      |  |
| ft                                                                                                                                                                  | 1,000 lb        |                                                                                                    |                 |                 |                 |                 |                 |                 |                 |                 |                  |                  |                                                                                     | ft   |  |
| 10                                                                                                                                                                  | 53.5            | 200.7                                                                                              | 51.4            | 195.2           | 48.5            | 164.8           | 44.6            | 103.3           | -               | -               | -                | -                | 10                                                                                  |      |  |
| 12                                                                                                                                                                  | 41.2            | 182.6                                                                                              | 41.6            | 177.9           | 40.1            | 167.2           | 37.2            | 104.7           | 33.1            | 75.4            | -                | -                | 12                                                                                  |      |  |
| 14                                                                                                                                                                  | 30.6            | 166.5                                                                                              | 34.2            | 163.2           | 33.7            | 159.0           | 31.5            | 106.4           | 29.3            | 76.2            | -                | -                | 14                                                                                  |      |  |
| 16                                                                                                                                                                  | 23.5            | 151.9                                                                                              | 27.5            | 150.8           | 28.7            | 146.7           | 26.9            | 108.5           | 25.2            | 77.2            | 22.9             | 59.0             | 16                                                                                  |      |  |
| 18                                                                                                                                                                  | 18.9            | 135.5                                                                                              | 22.6            | 136.3           | 24.6            | 134.3           | 23.4            | 110.8           | 22.1            | 76.1            | 20.1             | 59.5             | 18                                                                                  |      |  |
| 20                                                                                                                                                                  | 15.0            | 119.3                                                                                              | 18.3            | 121.4           | 20.7            | 120.6           | 20.3            | 110.5           | 19.3            | 76.3            | 17.5             | 59.5             | 20                                                                                  |      |  |
| 24                                                                                                                                                                  | 9.8             | 93.5                                                                                               | 13.0            | 94.3            | 15.2            | 89.9            | 15.6            | 82.0            | 15.2            | 72.9            | 13.7             | 59.3             | 24                                                                                  |      |  |
| 28                                                                                                                                                                  | 6.3             | 67.4                                                                                               | 9.3             | 71.4            | 11.4            | 67.7            | 11.8            | 62.3            | 11.9            | 58.6            | 10.7             | 55.1             | 28                                                                                  |      |  |
| 32                                                                                                                                                                  | -               | -                                                                                                  | 6.7             | 52.8            | 8.6             | 53.0            | 9.1             | 49.5            | 9.5             | 48.9            | 8.4              | 45.2             | 32                                                                                  |      |  |
| 36                                                                                                                                                                  | -               | -                                                                                                  | 4.6             | 42.3            | 6.8             | 43.0            | 7.2             | 42.3            | 7.6             | 40.8            | 6.6              | 39.2             | 36                                                                                  |      |  |
| 40                                                                                                                                                                  | -               | -                                                                                                  | -               | 25.6            | 5.1             | 35.2            | 5.5             | 35.9            | 6.0             | 34.9            | 5.1              | 33.4             | 40                                                                                  |      |  |
| 48                                                                                                                                                                  | -               | -                                                                                                  | -               | -               | -               | 25.1            | -               | 25.2            | -               | 25.6            | -                | 24.7             | 48                                                                                  |      |  |
| 56                                                                                                                                                                  | -               | -                                                                                                  | -               | -               | -               | 18.8            | -               | 18.8            | -               | 19.0            | -                | 18.8             | 56                                                                                  |      |  |
| 64                                                                                                                                                                  | -               | -                                                                                                  | -               | -               | -               | -               | -               | 14.9            | -               | 15.3            | -                | 14.6             | 64                                                                                  |      |  |
| 72                                                                                                                                                                  | -               | -                                                                                                  | -               | -               | -               | -               | -               | 12.0            | -               | 12.2            | -                | 11.7             | 72                                                                                  |      |  |
| 80                                                                                                                                                                  | -               | -                                                                                                  | -               | -               | -               | -               | -               | -               | -               | 10.0            | -                | 9.4              | 80                                                                                  |      |  |
| 88                                                                                                                                                                  | -               | -                                                                                                  | -               | -               | -               | -               | -               | -               | -               | 8.1             | -                | 7.4              | 88                                                                                  |      |  |
| 96                                                                                                                                                                  | -               | -                                                                                                  | -               | -               | -               | -               | -               | -               | -               | -               | -                | 6.1              | 96                                                                                  |      |  |
| 104                                                                                                                                                                 | -               | -                                                                                                  | -               | -               | -               | -               | -               | -               | -               | -               | -                | 5.0              | 104                                                                                 |      |  |
| 1)                                                                                                                                                                  | 3.1             | 34.6                                                                                               | -               | 25.1            | -               | 16.5            | -               | 11.9            | -               | 8.4             | -                | 5.5              | 1)                                                                                  |      |  |

|  |  | 360°<br>121.7 ft | Max.<br>121.7 ft | 360°<br>135.2 ft | Max.<br>135.2 ft | 360°<br>148.6 ft | Max.<br>148.6 ft | 360°<br>162.1 ft | Max.<br>162.1 ft | 360°<br>175.5 ft | Max.<br>175.5 ft | 360°<br>196.2 ft | Max.<br>196.2 ft |  |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|--------------------------------------------------------------------------------------|
| ft                                                                                 |                                                                                    | 1,000 lb         |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | ft                                                                                   |
| 20                                                                                 |                                                                                    | 16.0             | 46.8             | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                | 20                                                                                   |
| 24                                                                                 |                                                                                    | 12.5             | 47.7             | 10.5             | 37.6             | -                | -                | -                | -                | -                | -                | -                | -                | 24                                                                                   |
| 28                                                                                 |                                                                                    | 9.7              | 47.7             | 8.0              | 38.2             | -                | 30.8             | -                | -                | -                | -                | -                | -                | 28                                                                                   |
| 32                                                                                 |                                                                                    | 7.5              | 43.5             | 5.9              | 38.9             | -                | 31.2             | -                | 25.1             | -                | -                | -                | -                | 32                                                                                   |
| 36                                                                                 |                                                                                    | 5.8              | 37.4             | 4.4              | 34.4             | -                | 29.6             | -                | 25.5             | -                | 20.1             | -                | -                | 36                                                                                   |
| 40                                                                                 |                                                                                    | 4.2              | 31.5             | -                | 29.1             | -                | 27.2             | -                | 25.3             | -                | 20.2             | -                | 15.3             | 40                                                                                   |
| 48                                                                                 |                                                                                    | -                | 23.5             | -                | 21.5             | -                | 20.3             | -                | 19.5             | -                | 17.8             | -                | 15.0             | 48                                                                                   |
| 56                                                                                 |                                                                                    | -                | 18.2             | -                | 17.0             | -                | 15.7             | -                | 15.1             | -                | 13.7             | -                | 11.9             | 56                                                                                   |
| 64                                                                                 |                                                                                    | -                | 14.4             | -                | 13.4             | -                | 12.3             | -                | 11.8             | -                | 10.4             | -                | 8.6              | 64                                                                                   |
| 72                                                                                 |                                                                                    | -                | 11.3             | -                | 10.6             | -                | 9.7              | -                | 9.1              | -                | 7.8              | -                | 6.0              | 72                                                                                   |
| 80                                                                                 |                                                                                    | -                | 8.9              | -                | 8.3              | -                | 7.4              | -                | 7.0              | -                | 5.7              | -                | 4.1              | 80                                                                                   |
| 88                                                                                 |                                                                                    | -                | 7.2              | -                | 6.3              | -                | 5.4              | -                | 5.4              | -                | 4.1              | -                | -                | 88                                                                                   |
| 96                                                                                 |                                                                                    | -                | 5.7              | -                | 4.9              | -                | 4.1              | -                | 3.9              | -                | 2.6              | -                | -                | 96                                                                                   |
| 104                                                                                |                                                                                    | -                | 4.4              | -                | 3.7              | -                | 2.8              | -                | 2.8              | -                | -                | -                | -                | 104                                                                                  |
| 112                                                                                |                                                                                    | -                | 3.5              | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                | 112                                                                                  |
| 1)                                                                                 |                                                                                    | -                | 3.3              | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                | 1)                                                                                   |

1) Capacities with horizontal boom

\* Max. values are valid only for specific superstructure positions







| 93,000 lb |  | 25.3 ft x 23.0 ft |      | 360°    |      | 85%  |     |
|-----------|--|-------------------|------|---------|------|------|-----|
| 41.0 ft   |  |                   |      |         |      |      |     |
|           |  | 37.4 ft           |      | 68.9 ft |      |      |     |
|           |  | 0°                | 20°  | 40°     | 0°   | 20°  | 40° |
| ft        |  | 1,000 lb          |      |         |      |      |     |
| 10        |  | 36.6              | -    | -       | 22.0 | -    | -   |
| 12        |  | 36.6              | -    | -       | 21.8 | -    | -   |
| 14        |  | 36.6              | -    | -       | 21.7 | -    | -   |
| 16        |  | 36.6              | -    | -       | 21.4 | -    | -   |
| 18        |  | 36.6              | -    | -       | 21.2 | -    | -   |
| 20        |  | 36.6              | 34.6 | -       | 20.9 | -    | -   |
| 24        |  | 36.6              | 31.9 | -       | 20.4 | -    | -   |
| 28        |  | 36.6              | 29.5 | -       | 19.7 | -    | -   |
| 32        |  | 35.3              | 27.5 | 22.5    | 18.9 | -    | -   |
| 36        |  | 32.6              | 25.8 | 21.5    | 17.9 | -    | -   |
| 40        |  | 29.9              | 24.3 | 20.6    | 16.8 | 13.6 | -   |
| 48        |  | 25.8              | 21.7 | 19.3    | 14.9 | 12.3 | -   |
| 56        |  | 22.5              | 19.9 | 18.6    | 13.2 | 11.2 | 9.7 |
| 64        |  | 19.9              | 18.9 | -       | 11.7 | 10.3 | 9.1 |
| 72        |  | -                 | -    | -       | 10.6 | 9.5  | 8.6 |
| 80        |  | -                 | -    | -       | 9.8  | 9.0  | 8.3 |
| 88        |  | -                 | -    | -       | 9.1  | 8.5  | 8.2 |
| 96        |  | -                 | -    | -       | 8.5  | 8.2  | -   |

| 108.3 ft |  |          |      |         |      |      |     |
|----------|--|----------|------|---------|------|------|-----|
|          |  | 37.4 ft  |      | 68.9 ft |      |      |     |
|          |  | 0°       | 20°  | 40°     | 0°   | 20°  | 40° |
| ft       |  | 1,000 lb |      |         |      |      |     |
| 20       |  | 36.6     | -    | -       | -    | -    | -   |
| 24       |  | 36.6     | -    | -       | 17.0 | -    | -   |
| 28       |  | 36.6     | -    | -       | 16.9 | -    | -   |
| 32       |  | 36.6     | -    | -       | 16.6 | -    | -   |
| 36       |  | 36.6     | -    | -       | 16.3 | -    | -   |
| 40       |  | 36.5     | 28.7 | -       | 16.1 | -    | -   |
| 48       |  | 35.0     | 26.9 | 21.2    | 15.6 | -    | -   |
| 56       |  | 31.5     | 25.0 | 20.4    | 15.2 | 12.7 | -   |
| 64       |  | 28.4     | 23.3 | 19.7    | 14.7 | 11.8 | -   |
| 72       |  | 25.8     | 21.6 | 19.2    | 14.3 | 11.3 | -   |
| 80       |  | 23.8     | 20.3 | 18.6    | 13.8 | 10.7 | 9.0 |
| 88       |  | 22.2     | 19.3 | 17.9    | 13.0 | 10.2 | 8.7 |
| 96       |  | 20.7     | 18.3 | 17.4    | 12.1 | 9.6  | 8.5 |
| 104      |  | 18.4     | 17.5 | 17.0    | 11.3 | 9.3  | 8.2 |
| 112      |  | 16.0     | 16.6 | 16.6    | 10.8 | 9.0  | 8.1 |
| 120      |  | 14.0     | 14.5 | -       | 10.0 | 8.8  | 7.9 |
| 128      |  | 12.7     | 12.8 | -       | 9.6  | 8.5  | 7.9 |
| 136      |  | 7.6      | 7.6  | -       | 9.2  | 8.2  | 7.9 |
| 144      |  | -        | -    | -       | 8.8  | 8.2  | 7.9 |
| 152      |  | -        | -    | -       | 8.6  | 8.2  | -   |
| 160      |  | -        | -    | -       | 8.0  | 7.9  | -   |

| 175.5 ft |  |          |      |         |     |     |     |
|----------|--|----------|------|---------|-----|-----|-----|
|          |  | 37.4 ft  |      | 68.9 ft |     |     |     |
|          |  | 0°       | 20°  | 40°     | 0°  | 20° | 40° |
| ft       |  | 1,000 lb |      |         |     |     |     |
| 40       |  | 16.1     | -    | -       | -   | -   | -   |
| 48       |  | 16.1     | -    | -       | 9.0 | -   | -   |
| 56       |  | 16.1     | -    | -       | 9.0 | -   | -   |
| 64       |  | 16.1     | 16.1 | -       | 9.0 | -   | -   |
| 72       |  | 16.1     | 16.1 | -       | 9.0 | -   | -   |
| 80       |  | 16.1     | 16.0 | 15.5    | 9.0 | 9.0 | -   |
| 88       |  | 15.6     | 15.1 | 14.5    | 9.0 | 9.0 | -   |
| 96       |  | 14.7     | 14.1 | 13.8    | 9.0 | 9.0 | -   |
| 104      |  | 13.8     | 13.3 | 13.1    | 9.0 | 9.0 | 8.2 |
| 112      |  | 12.7     | 12.3 | 12.3    | 9.0 | 9.0 | 8.1 |
| 120      |  | 11.9     | 11.5 | 11.5    | 8.8 | 8.7 | 7.9 |
| 128      |  | 10.7     | 10.8 | 10.8    | 8.5 | 8.3 | 7.8 |
| 136      |  | 9.3      | 9.9  | 10.1    | 8.2 | 7.8 | 7.6 |
| 144      |  | 8.4      | 8.7  | 9.1     | 7.7 | 7.5 | 7.3 |
| 152      |  | 7.4      | 7.8  | 7.9     | 6.9 | 7.0 | 7.0 |
| 160      |  | 6.3      | 6.9  | 7.2     | 6.0 | 6.7 | 6.5 |
| 168      |  | 5.3      | 5.9  | 6.1     | 5.3 | 5.9 | 6.1 |
| 176      |  | 4.5      | 5.0  | 5.0     | 4.5 | 5.1 | 5.6 |
| 184      |  | 3.7      | 4.0  | -       | 3.7 | 4.5 | 4.8 |
| 192      |  | -        | -    | -       | -   | 3.8 | 4.2 |
| 200      |  | -        | -    | -       | -   | 3.0 | 3.4 |

| 196.2 ft |  |          |      |         |     |      |      |
|----------|--|----------|------|---------|-----|------|------|
|          |  | 37.4 ft  |      | 68.9 ft |     |      |      |
|          |  | 0°       | 20°  | 40°     | 0°  | 20°* | 40°* |
| ft       |  | 1,000 lb |      |         |     |      |      |
| 48       |  | 11.7     | -    | -       | -   | -    | -    |
| 56       |  | 11.7     | -    | -       | 6.6 | -    | -    |
| 64       |  | 11.7     | -    | -       | 6.6 | -    | -    |
| 72       |  | 11.7     | 11.7 | -       | 6.6 | -    | -    |
| 80       |  | 11.7     | 11.7 | 11.7    | 6.6 | -    | -    |
| 88       |  | 11.7     | 11.7 | 11.7    | 6.6 | 7.1  | -    |
| 96       |  | 11.7     | 11.7 | 11.7    | 6.6 | 7.1  | -    |
| 104      |  | 11.7     | 11.7 | 11.7    | 6.6 | 7.1  | -    |
| 112      |  | 11.4     | 11.4 | 11.4    | 6.6 | 7.1  | 7.1  |
| 120      |  | 10.7     | 10.8 | 10.7    | 6.6 | 7.1  | 7.1  |
| 128      |  | 10.0     | 10.0 | 10.1    | 6.6 | 7.1  | 7.1  |
| 136      |  | 8.9      | 9.4  | 9.4     | 6.6 | 7.1  | 7.1  |
| 144      |  | 7.6      | 8.4  | 8.6     | 6.6 | 6.8  | 6.6  |
| 152      |  | 6.2      | 7.1  | 7.5     | 6.2 | 6.5  | 6.4  |
| 160      |  | 5.2      | 5.8  | 6.3     | 5.2 | 6.1  | 6.1  |
| 168      |  | 4.2      | 4.8  | 5.2     | 4.2 | 5.6  | 5.8  |
| 176      |  | 3.4      | 3.9  | 4.1     | 3.4 | 4.7  | 5.3  |
| 184      |  | -        | 3.1  | 3.3     | -   | 3.9  | 4.5  |
| 192      |  | -        | -    | -       | -   | -    | 3.6  |
| 200      |  | -        | -    | -       | -   | -    | 2.8  |

 \* 191.6 ft

| 69,700 lb |  |          |      | 25.3 ft x 23.0 ft |         |      |     | 360°     |  |          |      | 85 % |         |      |     |
|-----------|--|----------|------|-------------------|---------|------|-----|----------|--|----------|------|------|---------|------|-----|
| 41.0 ft   |  |          |      |                   |         |      |     | 108.3 ft |  |          |      |      |         |      |     |
|           |  | 37.4 ft  |      |                   | 68.9 ft |      |     |          |  | 37.4 ft  |      |      | 68.9 ft |      |     |
|           |  | 0°       | 20°  | 40°               | 0°      | 20°  | 40° |          |  | 0°       | 20°  | 40°  | 0°      | 20°  | 40° |
| ft        |  | 1,000 lb |      |                   |         |      |     | ft       |  | 1,000 lb |      |      |         |      |     |
| 10        |  | 36.6     | -    | -                 | 22.0    | -    | -   | 20       |  | 36.6     | -    | -    | -       | -    | -   |
| 12        |  | 36.6     | -    | -                 | 21.8    | -    | -   | 24       |  | 36.6     | -    | -    | 17.0    | -    | -   |
| 14        |  | 36.6     | -    | -                 | 21.7    | -    | -   | 28       |  | 36.6     | -    | -    | 16.9    | -    | -   |
| 16        |  | 36.6     | -    | -                 | 21.4    | -    | -   | 32       |  | 36.6     | -    | -    | 16.6    | -    | -   |
| 18        |  | 36.6     | -    | -                 | 21.2    | -    | -   | 36       |  | 36.6     | -    | -    | 16.3    | -    | -   |
| 20        |  | 36.6     | 34.6 | -                 | 20.9    | -    | -   | 40       |  | 36.5     | 28.7 | -    | 16.1    | -    | -   |
| 24        |  | 36.6     | 31.9 | -                 | 20.4    | -    | -   | 48       |  | 35.0     | 26.9 | 21.2 | 15.6    | -    | -   |
| 28        |  | 36.6     | 29.5 | -                 | 19.7    | -    | -   | 56       |  | 31.5     | 25.0 | 20.4 | 15.2    | 12.7 | -   |
| 32        |  | 35.3     | 27.5 | 22.5              | 18.9    | -    | -   | 64       |  | 28.4     | 23.3 | 19.7 | 14.7    | 11.8 | -   |
| 36        |  | 32.6     | 25.8 | 21.5              | 17.9    | -    | -   | 72       |  | 25.8     | 21.6 | 19.2 | 14.3    | 11.3 | -   |
| 40        |  | 29.9     | 24.3 | 20.6              | 16.8    | 13.6 | -   | 80       |  | 22.6     | 20.3 | 18.6 | 13.8    | 10.7 | 9.0 |
| 48        |  | 25.8     | 21.7 | 19.3              | 14.9    | 12.3 | -   | 88       |  | 19.6     | 19.2 | 17.9 | 13.0    | 10.2 | 8.7 |
| 56        |  | 22.5     | 19.9 | 18.6              | 13.2    | 11.2 | 9.7 | 96       |  | 16.7     | 17.6 | 17.2 | 12.1    | 9.6  | 8.5 |
| 64        |  | 19.9     | 18.9 | -                 | 11.7    | 10.3 | 9.1 | 104      |  | 14.7     | 15.1 | 15.6 | 11.3    | 9.3  | 8.2 |
| 72        |  | -        | -    | -                 | 10.6    | 9.5  | 8.6 | 112      |  | 12.9     | 13.3 | 12.7 | 10.8    | 9.0  | 8.1 |
| 80        |  | -        | -    | -                 | 9.8     | 9.0  | 8.3 | 120      |  | 11.7     | 11.9 | -    | 10.0    | 8.8  | 7.9 |
| 88        |  | -        | -    | -                 | 9.1     | 8.5  | 8.2 | 128      |  | 10.2     | 10.6 | -    | 9.5     | 8.5  | 7.9 |
| 96        |  | -        | -    | -                 | 8.5     | 8.2  | -   | 136      |  | 7.6      | 7.6  | -    | 8.6     | 8.2  | 7.9 |
|           |  |          |      |                   |         |      |     | 144      |  | -        | -    | -    | 7.5     | 7.9  | 7.9 |
|           |  |          |      |                   |         |      |     | 152      |  | -        | -    | -    | 7.2     | 7.1  | -   |
|           |  |          |      |                   |         |      |     | 160      |  | -        | -    | -    | 6.4     | 5.0  | -   |

| 175.5 ft |  |          |      |      |         |     |     |
|----------|--|----------|------|------|---------|-----|-----|
|          |  | 37.4 ft  |      |      | 68.9 ft |     |     |
|          |  | 0°       | 20°  | 40°  | 0°      | 20° | 40° |
| ft       |  | 1,000 lb |      |      |         |     |     |
| 40       |  | 16.1     | -    | -    | -       | -   | -   |
| 48       |  | 16.1     | -    | -    | 9.0     | -   | -   |
| 56       |  | 16.1     | -    | -    | 9.0     | -   | -   |
| 64       |  | 16.1     | 16.1 | -    | 9.0     | -   | -   |
| 72       |  | 16.1     | 16.1 | -    | 9.0     | -   | -   |
| 80       |  | 16.1     | 16.0 | 15.5 | 9.0     | 9.0 | -   |
| 88       |  | 15.6     | 15.1 | 14.5 | 9.0     | 9.0 | -   |
| 96       |  | 14.5     | 14.1 | 13.8 | 9.0     | 9.0 | -   |
| 104      |  | 12.4     | 13.3 | 13.1 | 9.0     | 9.0 | 8.2 |
| 112      |  | 10.9     | 11.6 | 12.2 | 9.0     | 9.0 | 8.1 |
| 120      |  | 9.3      | 10.2 | 10.4 | 8.1     | 8.7 | 7.9 |
| 128      |  | 7.7      | 8.6  | 9.3  | 7.3     | 8.3 | 7.8 |
| 136      |  | 6.3      | 7.1  | 7.8  | 6.0     | 7.4 | 7.6 |
| 144      |  | 5.1      | 6.0  | 6.5  | 4.9     | 6.6 | 7.3 |
| 152      |  | 4.1      | 4.7  | 5.1  | 4.1     | 5.6 | 6.3 |
| 160      |  | 3.3      | 3.9  | 4.1  | 3.3     | 4.5 | 5.4 |
| 168      |  | -        | -    | -    | -       | 3.5 | 4.4 |
| 176      |  | -        | -    | -    | -       | 2.6 | 3.4 |

| 196.2 ft |  |          |      |      |         |      |      |
|----------|--|----------|------|------|---------|------|------|
|          |  | 37.4 ft  |      |      | 68.9 ft |      |      |
|          |  | 0°       | 20°  | 40°  | 0°      | 20°* | 40°* |
| ft       |  | 1,000 lb |      |      |         |      |      |
| 48       |  | 11.7     | -    | -    | -       | -    | -    |
| 56       |  | 11.7     | -    | -    | 6.6     | -    | -    |
| 64       |  | 11.7     | -    | -    | 6.6     | -    | -    |
| 72       |  | 11.7     | 11.7 | -    | 6.6     | -    | -    |
| 80       |  | 11.7     | 11.7 | 11.7 | 6.6     | 7.1  | -    |
| 88       |  | 11.7     | 11.7 | 11.7 | 6.6     | 7.1  | -    |
| 96       |  | 11.7     | 11.7 | 11.7 | 6.6     | 7.1  | -    |
| 104      |  | 11.3     | 11.7 | 11.7 | 6.6     | 7.1  | -    |
| 112      |  | 9.6      | 10.9 | 11.4 | 6.6     | 7.1  | 7.1  |
| 120      |  | 7.8      | 9.1  | 10.1 | 6.5     | 7.1  | 7.1  |
| 128      |  | 6.5      | 7.6  | 8.4  | 5.6     | 6.6  | 7.1  |
| 136      |  | 5.3      | 6.3  | 6.9  | 4.4     | 5.6  | 7.1  |
| 144      |  | 4.0      | 4.9  | 5.6  | 3.4     | 4.5  | 6.6  |
| 152      |  | 3.2      | 3.8  | 4.3  | -       | 3.7  | 6.0  |
| 160      |  | -        | 2.8  | 3.3  | -       | -    | 4.7  |
| 168      |  | -        | -    | -    | -       | -    | 3.7  |
| 176      |  | -        | -    | -    | -       | -    | 2.8  |

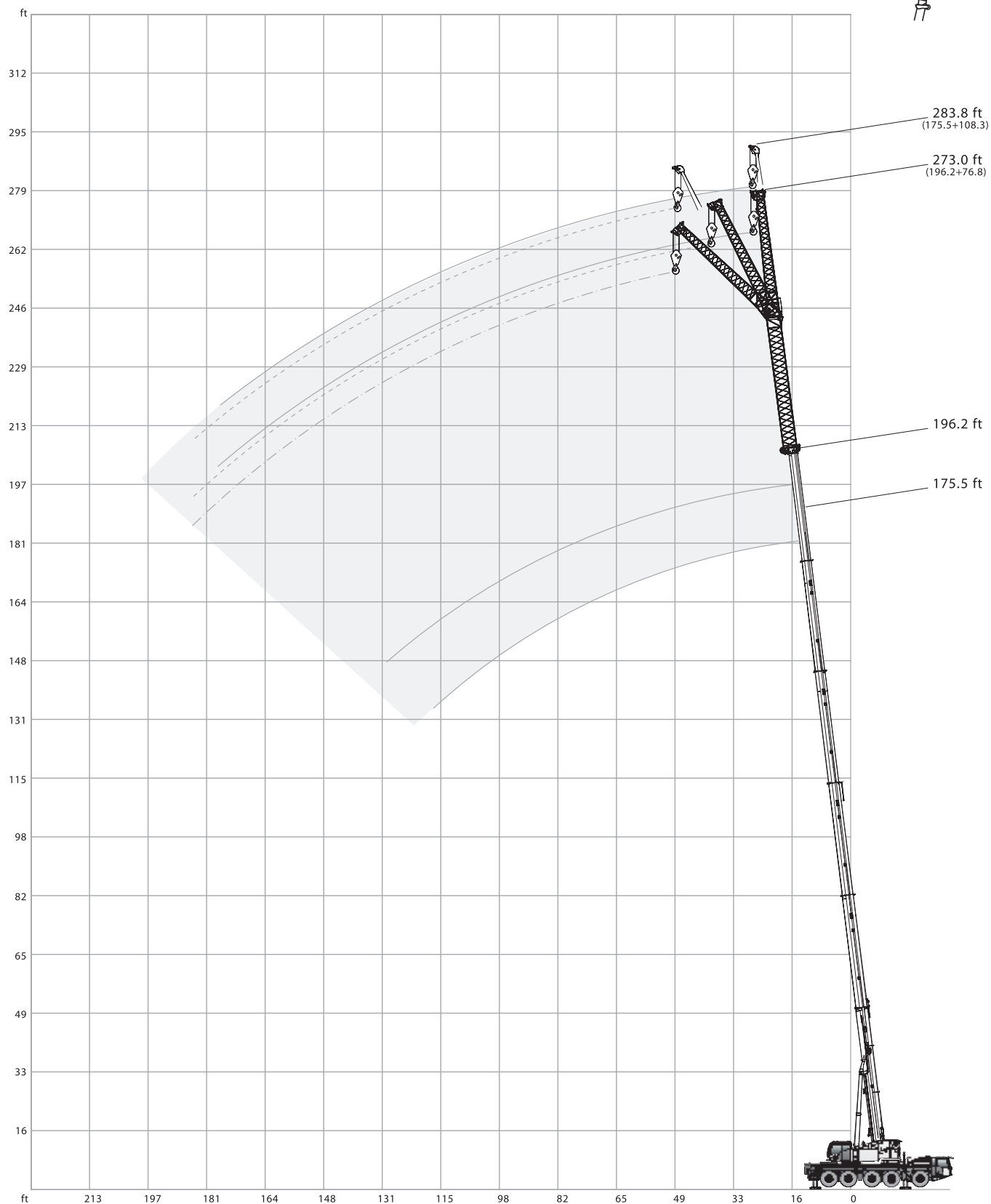
 \* 191.6 ft

| 57,800 lb |  |          |      | 25.3 ft x 23.0 ft |         |      |     | 360°     |  |          |      | 85 % |         |      |     |
|-----------|--|----------|------|-------------------|---------|------|-----|----------|--|----------|------|------|---------|------|-----|
| 41.0 ft   |  |          |      |                   |         |      |     | 108.3 ft |  |          |      |      |         |      |     |
|           |  | 37.4 ft  |      |                   | 68.9 ft |      |     |          |  | 37.4 ft  |      |      | 68.9 ft |      |     |
|           |  | 0°       | 20°  | 40°               | 0°      | 20°  | 40° |          |  | 0°       | 20°  | 40°  | 0°      | 20°  | 40° |
| ft        |  | 1,000 lb |      |                   |         |      |     | ft       |  | 1,000 lb |      |      |         |      |     |
| 10        |  | 36.6     | -    | -                 | 22.0    | -    | -   | 20       |  | 36.6     | -    | -    | -       | -    | -   |
| 12        |  | 36.6     | -    | -                 | 21.8    | -    | -   | 24       |  | 36.6     | -    | -    | 17.0    | -    | -   |
| 14        |  | 36.6     | -    | -                 | 21.7    | -    | -   | 28       |  | 36.6     | -    | -    | 16.9    | -    | -   |
| 16        |  | 36.6     | -    | -                 | 21.4    | -    | -   | 32       |  | 36.6     | -    | -    | 16.6    | -    | -   |
| 18        |  | 36.6     | -    | -                 | 21.2    | -    | -   | 36       |  | 36.6     | -    | -    | 16.3    | -    | -   |
| 20        |  | 36.6     | 34.6 | -                 | 20.9    | -    | -   | 40       |  | 36.5     | 28.7 | -    | 16.1    | -    | -   |
| 24        |  | 36.6     | 31.9 | -                 | 20.4    | -    | -   | 48       |  | 35.0     | 26.9 | 21.2 | 15.6    | -    | -   |
| 28        |  | 36.6     | 29.5 | -                 | 19.7    | -    | -   | 56       |  | 31.5     | 25.0 | 20.4 | 15.2    | 12.7 | -   |
| 32        |  | 35.3     | 27.5 | 22.5              | 18.9    | -    | -   | 64       |  | 28.0     | 23.3 | 19.7 | 14.7    | 11.8 | -   |
| 36        |  | 32.6     | 25.8 | 21.5              | 17.9    | -    | -   | 72       |  | 23.7     | 21.6 | 19.2 | 14.3    | 11.3 | -   |
| 40        |  | 29.9     | 24.3 | 20.6              | 16.8    | 13.6 | -   | 80       |  | 19.8     | 20.0 | 18.6 | 13.8    | 10.7 | 9.0 |
| 48        |  | 25.8     | 21.7 | 19.3              | 14.9    | 12.3 | -   | 88       |  | 17.1     | 17.7 | 17.6 | 13.0    | 10.2 | 8.7 |
| 56        |  | 22.5     | 19.9 | 18.6              | 13.2    | 11.2 | 9.7 | 96       |  | 15.0     | 15.3 | 15.6 | 12.1    | 9.6  | 8.5 |
| 64        |  | 19.9     | 18.9 | -                 | 11.7    | 10.3 | 9.1 | 104      |  | 13.1     | 13.3 | 13.5 | 11.3    | 9.3  | 8.2 |
| 72        |  | -        | -    | -                 | 10.6    | 9.5  | 8.6 | 112      |  | 11.2     | 11.8 | 10.2 | 10.5    | 9.0  | 8.1 |
| 80        |  | -        | -    | -                 | 9.8     | 9.0  | 8.3 | 120      |  | 9.7      | 10.0 | -    | 9.3     | 8.8  | 7.9 |
| 88        |  | -        | -    | -                 | 9.1     | 8.5  | 8.2 | 128      |  | 8.9      | 9.0  | -    | 8.5     | 8.5  | 7.9 |
| 96        |  | -        | -    | -                 | 8.5     | 8.2  | -   | 136      |  | 7.6      | 7.6  | -    | 7.4     | 7.6  | 7.9 |
|           |  |          |      |                   |         |      |     | 144      |  | -        | -    | -    | 6.4     | 7.1  | 7.3 |
|           |  |          |      |                   |         |      |     | 152      |  | -        | -    | -    | 5.9     | 6.1  | -   |
|           |  |          |      |                   |         |      |     | 160      |  | -        | -    | -    | 5.3     | 4.8  | -   |

| 175.5 ft |  |          |      |      |         |     |     |
|----------|--|----------|------|------|---------|-----|-----|
|          |  | 37.4 ft  |      |      | 68.9 ft |     |     |
|          |  | 0°       | 20°  | 40°  | 0°      | 20° | 40° |
| ft       |  | 1,000 lb |      |      |         |     |     |
| 40       |  | 16.1     | -    | -    | -       | -   | -   |
| 48       |  | 16.1     | -    | -    | 9.0     | -   | -   |
| 56       |  | 16.1     | -    | -    | 9.0     | -   | -   |
| 64       |  | 16.1     | 16.1 | -    | 9.0     | -   | -   |
| 72       |  | 16.1     | 16.1 | -    | 9.0     | -   | -   |
| 80       |  | 15.9     | 16.0 | 15.5 | 9.0     | 9.0 | -   |
| 88       |  | 14.1     | 15.1 | 14.5 | 9.0     | 9.0 | -   |
| 96       |  | 12.3     | 13.3 | 13.8 | 9.0     | 9.0 | -   |
| 104      |  | 10.2     | 11.5 | 12.2 | 8.5     | 9.0 | 8.2 |
| 112      |  | 8.5      | 9.6  | 10.7 | 7.4     | 9.0 | 8.1 |
| 120      |  | 7.0      | 8.0  | 8.8  | 6.1     | 7.8 | 7.9 |
| 128      |  | 5.6      | 6.5  | 7.2  | 4.8     | 6.8 | 7.7 |
| 136      |  | 4.4      | 5.2  | 5.8  | 3.9     | 5.6 | 6.9 |
| 144      |  | 3.4      | 4.0  | 4.5  | 2.9     | 4.5 | 6.0 |
| 152      |  | -        | 3.0  | 3.4  | -       | 3.6 | 4.7 |
| 160      |  | -        | -    | -    | -       | 2.8 | 3.7 |

| 196.2 ft |  |          |      |      |         |      |      |
|----------|--|----------|------|------|---------|------|------|
|          |  | 37.4 ft  |      |      | 68.9 ft |      |      |
|          |  | 0°       | 20°  | 40°  | 0°      | 20°* | 40°* |
| ft       |  | 1,000 lb |      |      |         |      |      |
| 48       |  | 11.7     | -    | -    | -       | -    | -    |
| 56       |  | 11.7     | -    | -    | 6.6     | -    | -    |
| 64       |  | 11.7     | -    | -    | 6.6     | -    | -    |
| 72       |  | 11.7     | 11.7 | -    | 6.6     | -    | -    |
| 80       |  | 11.7     | 11.7 | 11.7 | 6.6     | -    | -    |
| 88       |  | 11.7     | 11.7 | 11.7 | 6.6     | 7.1  | -    |
| 96       |  | 10.6     | 11.5 | 11.7 | 6.6     | 7.1  | -    |
| 104      |  | 8.4      | 10.0 | 11.1 | 6.6     | 7.1  | -    |
| 112      |  | 6.8      | 8.3  | 9.4  | 5.9     | 7.1  | 7.1  |
| 120      |  | 5.4      | 6.7  | 7.8  | 4.4     | 6.9  | 7.1  |
| 128      |  | 4.2      | 5.3  | 6.3  | 3.3     | 5.8  | 7.1  |
| 136      |  | 3.1      | 4.2  | 4.9  | -       | 4.7  | 6.3  |
| 144      |  | -        | 3.1  | 3.8  | -       | 3.6  | 5.1  |
| 152      |  | -        | -    | -    | -       | -    | 4.0  |
| 160      |  | -        | -    | -    | -       | -    | 3.1  |

 \* 191.6 ft



| 93,000 lb                                                                                                                                                           |  |          |      |      |          |  |  25.3 ft x 23.0 ft |     |                                                                                                                                                                     |     |         |      |      | 360°                                                                                       |      |  |      |     |     |  | 85 % |  |  |  |  |  |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------|------|------|----------|--|-----------------------------------------------------------------------------------------------------|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|---------|------|------|--------------------------------------------------------------------------------------------|------|--|------|-----|-----|--|------|--|--|--|--|--|--|
|  41.0 ft                                                                           |  |          |      |      |          |  |                                                                                                     |     |                                                                                                                                                                     |     |         |      |      |  108.3 ft |      |  |      |     |     |  |      |  |  |  |  |  |  |
|   |  | 76.8 ft  |      |      | 108.3 ft |  |                                                                                                     |     |   |     | 76.8 ft |      |      | 108.3 ft                                                                                   |      |  |      |     |     |  |      |  |  |  |  |  |  |
|                                                                                                                                                                     |  | 0°       | 20°  | 40°  |          |  | 0°                                                                                                  | 20° | 40°                                                                                                                                                                 |     |         | 0°   | 20°  | 40°                                                                                        |      |  | 0°   | 20° | 40° |  |      |  |  |  |  |  |  |
| ft                                                                                                                                                                  |  | 1,000 lb |      |      |          |  |                                                                                                     |     |                                                                                                                                                                     |     |         |      |      |                                                                                            |      |  |      |     |     |  |      |  |  |  |  |  |  |
| 14                                                                                                                                                                  |  | 36.6     | -    | -    | -        |  | -                                                                                                   | -   | -                                                                                                                                                                   | 32  |         | 22.3 | -    | -                                                                                          | -    |  | -    | -   | -   |  |      |  |  |  |  |  |  |
| 16                                                                                                                                                                  |  | 36.6     | -    | -    | -        |  | -                                                                                                   | -   | -                                                                                                                                                                   | 36  |         | 22.2 | -    | -                                                                                          | 12.1 |  | -    | -   | -   |  |      |  |  |  |  |  |  |
| 18                                                                                                                                                                  |  | 35.7     | -    | -    | -        |  | -                                                                                                   | -   | -                                                                                                                                                                   | 40  |         | 22.0 | -    | -                                                                                          | 12.1 |  | -    | -   | -   |  |      |  |  |  |  |  |  |
| 20                                                                                                                                                                  |  | 34.6     | -    | -    | 17.0     |  | -                                                                                                   | -   | -                                                                                                                                                                   | 48  |         | 21.3 | 19.0 | -                                                                                          | 12.1 |  | -    | -   | -   |  |      |  |  |  |  |  |  |
| 24                                                                                                                                                                  |  | 31.6     | -    | -    | 16.7     |  | -                                                                                                   | -   | -                                                                                                                                                                   | 56  |         | 19.9 | 17.4 | -                                                                                          | 11.8 |  | -    | -   | -   |  |      |  |  |  |  |  |  |
| 28                                                                                                                                                                  |  | 28.6     | -    | -    | 16.4     |  | -                                                                                                   | -   | -                                                                                                                                                                   | 64  |         | 18.4 | 15.9 | 14.3                                                                                       | 11.5 |  | -    | -   | -   |  |      |  |  |  |  |  |  |
| 32                                                                                                                                                                  |  | 25.7     | 22.3 | -    | 16.1     |  | -                                                                                                   | -   | -                                                                                                                                                                   | 72  |         | 17.0 | 14.6 | 13.5                                                                                       | 11.0 |  | 10.2 | -   | -   |  |      |  |  |  |  |  |  |
| 36                                                                                                                                                                  |  | 23.5     | 20.5 | -    | 15.9     |  | -                                                                                                   | -   | -                                                                                                                                                                   | 80  |         | 15.4 | 13.7 | 12.5                                                                                       | 10.5 |  | 9.4  | -   | -   |  |      |  |  |  |  |  |  |
| 40                                                                                                                                                                  |  | 21.5     | 19.0 | 17.5 | 15.5     |  | -                                                                                                   | -   | -                                                                                                                                                                   | 88  |         | 14.2 | 12.7 | 11.9                                                                                       | 10.0 |  | 8.8  | -   | -   |  |      |  |  |  |  |  |  |
| 48                                                                                                                                                                  |  | 18.0     | 16.4 | 15.4 | 14.1     |  | 13.0                                                                                                | -   | -                                                                                                                                                                   | 96  |         | 13.1 | 11.9 | 11.2                                                                                       | 9.3  |  | 8.1  | -   | -   |  |      |  |  |  |  |  |  |
| 56                                                                                                                                                                  |  | 15.4     | 14.4 | 13.6 | 12.5     |  | 11.4                                                                                                | -   | -                                                                                                                                                                   | 104 |         | 12.2 | 11.1 | 10.6                                                                                       | 8.7  |  | 7.6  | -   | -   |  |      |  |  |  |  |  |  |
| 64                                                                                                                                                                  |  | 13.6     | 12.8 | 12.2 | 11.1     |  | 10.1                                                                                                | -   | -                                                                                                                                                                   | 112 |         | 11.4 | 10.6 | 10.1                                                                                       | 8.1  |  | 7.0  | -   | -   |  |      |  |  |  |  |  |  |
| 72                                                                                                                                                                  |  | 12.2     | 11.5 | 11.0 | 9.7      |  | 9.1                                                                                                 | -   | -                                                                                                                                                                   | 120 |         | 10.7 | 10.0 | 9.6                                                                                        | 7.6  |  | 6.7  | -   | -   |  |      |  |  |  |  |  |  |
| 80                                                                                                                                                                  |  | 10.9     | 10.4 | 10.2 | 8.7      |  | 8.0                                                                                                 | -   | -                                                                                                                                                                   | 128 |         | 10.0 | 9.5  | 9.3                                                                                        | 7.1  |  | 6.3  | -   | -   |  |      |  |  |  |  |  |  |
| 88                                                                                                                                                                  |  | 9.8      | 9.4  | 9.4  | 7.9      |  | 7.3                                                                                                 | -   | -                                                                                                                                                                   | 136 |         | 9.4  | 8.9  | 8.9                                                                                        | 6.7  |  | 6.0  | -   | -   |  |      |  |  |  |  |  |  |
| 96                                                                                                                                                                  |  | 8.8      | 8.8  | -    | 7.1      |  | 6.6                                                                                                 | -   | -                                                                                                                                                                   | 144 |         | 8.8  | 8.6  | 8.6                                                                                        | 6.2  |  | 5.5  | -   | -   |  |      |  |  |  |  |  |  |
| 104                                                                                                                                                                 |  | 8.2      | 8.0  | -    | 6.3      |  | 6.0                                                                                                 | -   | -                                                                                                                                                                   | 152 |         | 8.3  | 8.1  | 4.4                                                                                        | 5.9  |  | 5.3  | -   | -   |  |      |  |  |  |  |  |  |
| 112                                                                                                                                                                 |  | -        | -    | -    | 5.7      |  | 5.5                                                                                                 | -   | -                                                                                                                                                                   | 160 |         | 7.7  | 7.6  | -                                                                                          | 5.4  |  | 5.0  | -   | -   |  |      |  |  |  |  |  |  |
| 120                                                                                                                                                                 |  | -        | -    | -    | 5.2      |  | 5.2                                                                                                 | -   | -                                                                                                                                                                   | 168 |         | 3.7  | 3.6  | -                                                                                          | 5.2  |  | 4.8  | -   | -   |  |      |  |  |  |  |  |  |
| 128                                                                                                                                                                 |  | -        | -    | -    | 4.8      |  | 4.7                                                                                                 | -   | -                                                                                                                                                                   | 176 |         | 3.5  | 3.3  | -                                                                                          | 4.9  |  | 4.6  | -   | -   |  |      |  |  |  |  |  |  |
| 136                                                                                                                                                                 |  | -        | -    | -    | 4.5      |  | -                                                                                                   | -   | -                                                                                                                                                                   | 184 |         | -    | -    | -                                                                                          | 4.7  |  | 4.5  | -   | -   |  |      |  |  |  |  |  |  |
|                                                                                                                                                                     |  |          |      |      |          |  |                                                                                                     |     |                                                                                                                                                                     | 192 |         | -    | -    | -                                                                                          | 4.4  |  | -    | -   | -   |  |      |  |  |  |  |  |  |
|                                                                                                                                                                     |  |          |      |      |          |  |                                                                                                     |     |                                                                                                                                                                     | 200 |         | -    | -    | -                                                                                          | 3.6  |  | -    | -   | -   |  |      |  |  |  |  |  |  |

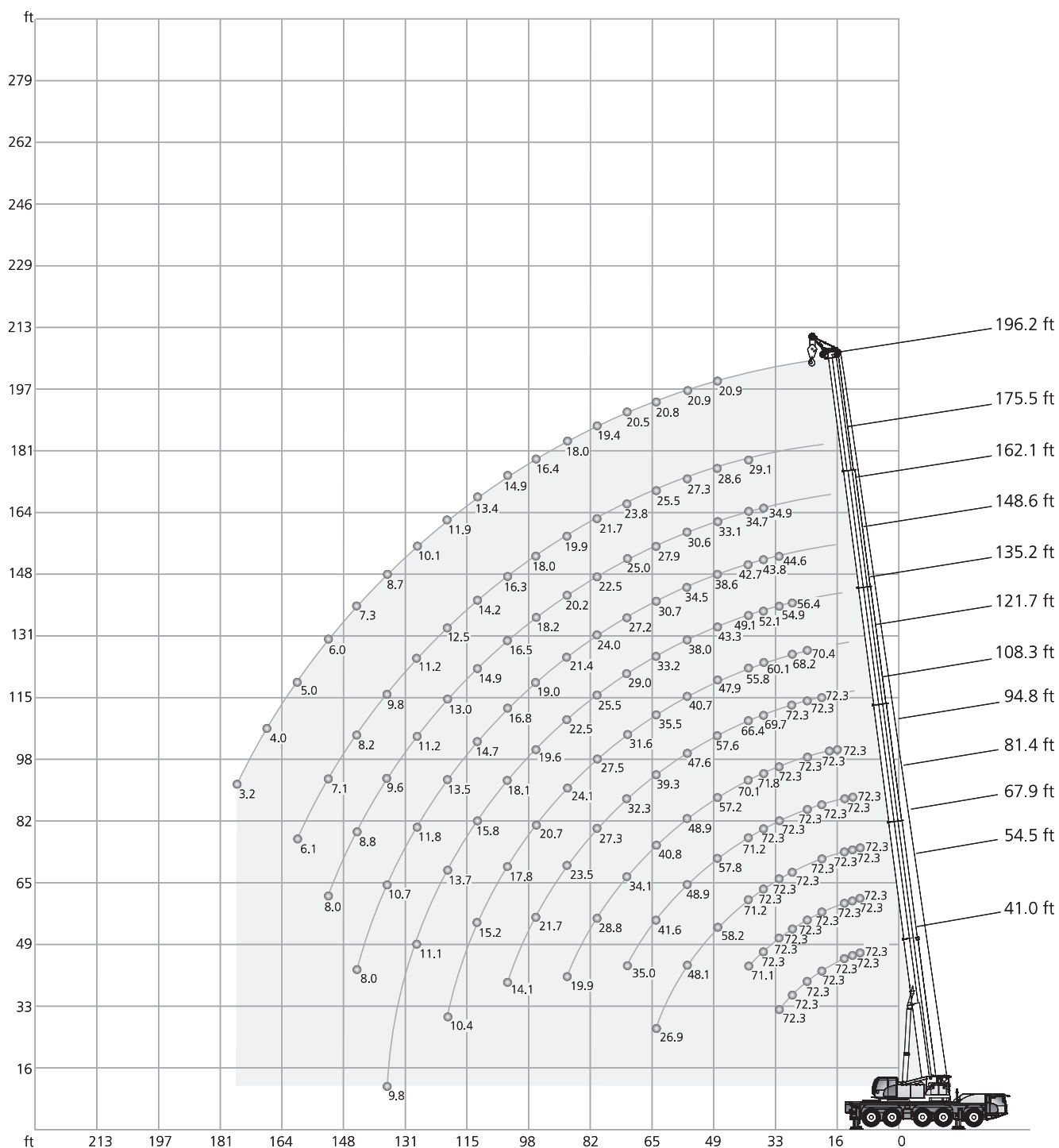
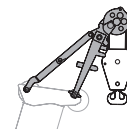
| 69,700 lb                                                                                 |      |          |      |     |      |      |  25.3 ft x 23.0 ft |                                                                                   |      |          |      |   |   | 360°                                                                                       |      |                                                                                   |     |         |      |      | 85 % |      |   |                                                                                   |      |          |      |      |      |   |  |
|-------------------------------------------------------------------------------------------|------|----------|------|-----|------|------|-----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------|----------|------|---|---|--------------------------------------------------------------------------------------------|------|-----------------------------------------------------------------------------------|-----|---------|------|------|------|------|---|-----------------------------------------------------------------------------------|------|----------|------|------|------|---|--|
|  41.0 ft |      |          |      |     |      |      |                                                                                                     |                                                                                   |      |          |      |   |   |  108.3 ft |      |                                                                                   |     |         |      |      |      |      |   |                                                                                   |      |          |      |      |      |   |  |
|          |      | 76.8 ft  |      |     |      |      |                                                                                                     |  |      | 108.3 ft |      |   |   |                                                                                            |      |  |     | 76.8 ft |      |      |      |      |   |  |      | 108.3 ft |      |      |      |   |  |
|                                                                                           |      | 0°       | 20°  | 40° |      |      |                                                                                                     | 0°                                                                                | 20°  | 40°      |      |   |   | 0°                                                                                         | 20°  | 40°                                                                               |     |         |      | 0°   | 20°  | 40°  |   |                                                                                   |      | 0°       | 20°  | 40°  |      |   |  |
| ft                                                                                        |      | 1,000 lb |      |     |      |      |                                                                                                     |                                                                                   |      |          |      |   |   |                                                                                            |      |                                                                                   |     |         |      |      |      |      |   |                                                                                   |      |          |      |      |      |   |  |
| 14                                                                                        | 36.6 | -        | -    | -   | -    | -    | -                                                                                                   | 32                                                                                | 22.3 | -        | -    | - | - | -                                                                                          | -    | -                                                                                 | 36  | 22.2    | -    | -    | 12.1 | -    | - | 40                                                                                | 22.0 | -        | -    | 12.1 | -    | - |  |
| 16                                                                                        | 36.6 | -        | -    | -   | -    | -    | -                                                                                                   | 36                                                                                | 22.2 | -        | -    | - | - | 12.1                                                                                       | -    | -                                                                                 | 40  | 22.0    | -    | -    | 12.1 | -    | - | 48                                                                                | 21.3 | 19.0     | -    | 12.1 | -    | - |  |
| 18                                                                                        | 35.7 | -        | -    | -   | -    | -    | -                                                                                                   | 40                                                                                | 22.0 | -        | -    | - | - | 12.1                                                                                       | -    | -                                                                                 | 48  | 21.3    | 19.0 | -    | 12.1 | -    | - | 56                                                                                | 19.9 | 17.4     | -    | 11.8 | -    | - |  |
| 20                                                                                        | 34.6 | -        | -    | -   | 17.0 | -    | -                                                                                                   | 48                                                                                | 21.3 | 19.0     | -    | - | - | 11.8                                                                                       | -    | -                                                                                 | 56  | 19.9    | 17.4 | -    | 11.8 | -    | - | 64                                                                                | 18.4 | 15.9     | 14.3 | 11.5 | -    | - |  |
| 24                                                                                        | 31.6 | -        | -    | -   | 16.7 | -    | -                                                                                                   | 56                                                                                | 19.9 | 17.4     | -    | - | - | 11.0                                                                                       | 10.2 | -                                                                                 | 64  | 18.4    | 15.9 | 14.3 | 11.5 | -    | - | 72                                                                                | 17.0 | 14.6     | 13.5 | 11.0 | 10.2 | - |  |
| 28                                                                                        | 28.6 | -        | -    | -   | 16.4 | -    | -                                                                                                   | 64                                                                                | 18.4 | 15.9     | 14.3 | - | - | 10.5                                                                                       | 9.4  | -                                                                                 | 72  | 17.0    | 14.6 | 13.5 | 11.0 | 10.2 | - | 80                                                                                | 15.4 | 13.7     | 12.5 | 10.5 | 9.4  | - |  |
| 32                                                                                        | 25.7 | 22.3     | -    | -   | 16.1 | -    | -                                                                                                   | 72                                                                                | 17.0 | 14.6     | 13.5 | - | - | 10.0                                                                                       | 8.8  | -                                                                                 | 80  | 15.4    | 13.7 | 12.5 | 10.5 | 9.4  | - | 88                                                                                | 14.2 | 12.7     | 11.9 | 10.0 | 8.8  | - |  |
| 36                                                                                        | 23.5 | 20.5     | -    | -   | 15.9 | -    | -                                                                                                   | 80                                                                                | 15.4 | 13.7     | 12.5 | - | - | 9.3                                                                                        | 8.1  | -                                                                                 | 88  | 14.2    | 12.7 | 11.9 | 10.0 | 8.8  | - | 96                                                                                | 13.1 | 11.9     | 11.2 | 9.3  | 8.1  | - |  |
| 40                                                                                        | 21.5 | 19.0     | 17.5 | -   | 15.5 | -    | -                                                                                                   | 88                                                                                | 14.2 | 12.7     | 11.9 | - | - | 8.7                                                                                        | 7.6  | -                                                                                 | 96  | 13.1    | 11.9 | 11.2 | 9.3  | 8.1  | - | 104                                                                               | 12.2 | 11.1     | 10.6 | 8.7  | 7.6  | - |  |
| 48                                                                                        | 18.0 | 16.4     | 15.4 | -   | 14.1 | 13.0 | -                                                                                                   | 96                                                                                | 13.1 | 11.9     | 11.2 | - | - | 8.1                                                                                        | 7.0  | -                                                                                 | 104 | 12.2    | 11.1 | 10.6 | 8.7  | 7.6  | - | 112                                                                               | 11.4 | 10.6     | 10.1 | 8.1  | 7.0  | - |  |
| 56                                                                                        | 15.4 | 14.4     | 13.6 | -   | 12.5 | 11.4 | -                                                                                                   | 104                                                                               | 12.2 | 11.1     | 10.6 | - | - | 7.6                                                                                        | 6.7  | -                                                                                 | 112 | 11.4    | 10.6 | 10.1 | 8.1  | 7.0  | - | 120                                                                               | 10.5 | 10.0     | 9.6  | 7.6  | 6.7  | - |  |
| 64                                                                                        | 13.6 | 12.8     | 12.2 | -   | 11.1 | 10.1 | -                                                                                                   | 112                                                                               | 11.4 | 10.6     | 10.1 | - | - | 7.1                                                                                        | 6.3  | -                                                                                 | 120 | 10.5    | 10.0 | 9.6  | 7.6  | 6.7  | - | 128                                                                               | 9.3  | 9.5      | 9.3  | 7.1  | 6.3  | - |  |
| 72                                                                                        | 12.2 | 11.5     | 11.0 | -   | 9.7  | 9.1  | -                                                                                                   | 120                                                                               | 10.5 | 10.0     | 9.6  | - | - | 6.7                                                                                        | 6.0  | -                                                                                 | 128 | 9.3     | 9.5  | 9.3  | 7.1  | 6.3  | - | 136                                                                               | 8.1  | 8.5      | 8.7  | 6.7  | 6.0  | - |  |
| 80                                                                                        | 10.9 | 10.4     | 10.2 | -   | 8.7  | 8.0  | -                                                                                                   | 136                                                                               | 8.1  | 8.5      | 8.7  | - | - | 6.2                                                                                        | 5.5  | -                                                                                 | 144 | 7.1     | 7.5  | 7.6  | 6.2  | 5.5  | - | 152                                                                               | 6.1  | 6.5      | 6.4  | 5.7  | 5.3  | - |  |
| 88                                                                                        | 9.8  | 9.4      | 9.4  | -   | 7.9  | 7.3  | -                                                                                                   | 144                                                                               | 7.1  | 7.5      | 7.6  | - | - | 5.7                                                                                        | 5.0  | -                                                                                 | 152 | 6.1     | 6.5  | 6.4  | 5.7  | 5.3  | - | 160                                                                               | 5.7  | 5.8      | -    | 5.1  | 5.0  | - |  |
| 96                                                                                        | 8.8  | 8.8      | -    | -   | 7.1  | 6.6  | -                                                                                                   | 152                                                                               | 6.1  | 6.5      | 6.4  | - | - | 5.2                                                                                        | 4.7  | -                                                                                 | 160 | 5.7     | 5.8  | -    | 5.1  | 5.0  | - | 168                                                                               | 3.7  | 3.6      | -    | 4.5  | 4.7  | - |  |
| 104                                                                                       | 8.2  | 8.0      | -    | -   | 6.3  | 6.0  | -                                                                                                   | 160                                                                               | 5.7  | 5.8      | -    | - | - | 4.8                                                                                        | 4.7  | -                                                                                 | 168 | 3.7     | 3.6  | -    | 4.5  | 4.7  | - | 176                                                                               | 3.5  | 3.3      | -    | 3.6  | 4.2  | - |  |
| 112                                                                                       | -    | -        | -    | -   | 5.7  | 5.5  | -                                                                                                   | 176                                                                               | 3.5  | 3.3      | -    | - | - | 4.5                                                                                        | 4.7  | -                                                                                 | 184 | -       | -    | -    | 3.2  | 3.5  | - | 192                                                                               | -    | -        | -    | 2.8  | -    | - |  |
| 120                                                                                       | -    | -        | -    | -   | 5.2  | 5.2  | -                                                                                                   | 184                                                                               | -    | -        | -    | - | - | 4.5                                                                                        | 4.7  | -                                                                                 | 192 | -       | -    | -    | 2.8  | -    | - | 200                                                                               | -    | -        | -    | 2.4  | -    | - |  |
| 128                                                                                       | -    | -        | -    | -   | 4.8  | 4.7  | -                                                                                                   | 192                                                                               | -    | -        | -    | - | - | 3.2                                                                                        | 3.5  | -                                                                                 | 200 | -       | -    | -    | 2.4  | -    | - |                                                                                   |      |          |      |      |      |   |  |
| 136                                                                                       | -    | -        | -    | -   | 4.5  | -    | -                                                                                                   |                                                                                   |      |          |      |   |   |                                                                                            |      |                                                                                   |     |         |      |      |      |      |   |                                                                                   |      |          |      |      |      |   |  |

| 57,800 lb |      |      |      |   |      |      |   | 25.3 ft x 23.0 ft |      |      |      |   |      |      |   | 360°     |      |      |      |   |      |      |   | 85%      |      |      |      |   |      |      |   |
|-----------|------|------|------|---|------|------|---|-------------------|------|------|------|---|------|------|---|----------|------|------|------|---|------|------|---|----------|------|------|------|---|------|------|---|
| 41.0 ft   |      |      |      |   |      |      |   | 108.3 ft          |      |      |      |   |      |      |   | 108.3 ft |      |      |      |   |      |      |   | 108.3 ft |      |      |      |   |      |      |   |
| 76.8 ft   |      |      |      |   |      |      |   | 76.8 ft           |      |      |      |   |      |      |   | 76.8 ft  |      |      |      |   |      |      |   | 76.8 ft  |      |      |      |   |      |      |   |
| 0°        |      |      |      |   |      |      |   | 0°                |      |      |      |   |      |      |   | 0°       |      |      |      |   |      |      |   | 0°       |      |      |      |   |      |      |   |
| 20°       |      |      |      |   |      |      |   | 20°               |      |      |      |   |      |      |   | 20°      |      |      |      |   |      |      |   | 20°      |      |      |      |   |      |      |   |
| 40°       |      |      |      |   |      |      |   | 40°               |      |      |      |   |      |      |   | 40°      |      |      |      |   |      |      |   | 40°      |      |      |      |   |      |      |   |
| 1,000 lb  |      |      |      |   |      |      |   | 1,000 lb          |      |      |      |   |      |      |   | 1,000 lb |      |      |      |   |      |      |   | 1,000 lb |      |      |      |   |      |      |   |
| ft        |      |      |      |   |      |      |   | ft                |      |      |      |   |      |      |   | ft       |      |      |      |   |      |      |   | ft       |      |      |      |   |      |      |   |
| 14        | 36.6 | -    | -    | - | -    | -    | - | 32                | 22.3 | -    | -    | - | -    | -    | - | 32       | 22.3 | -    | -    | - | -    | -    | - | 32       | 22.3 | -    | -    | - | -    | -    | - |
| 16        | 36.6 | -    | -    | - | -    | -    | - | 36                | 22.2 | -    | -    | - | 12.1 | -    | - | 36       | 22.2 | -    | -    | - | 12.1 | -    | - | 36       | 22.2 | -    | -    | - | 12.1 | -    | - |
| 18        | 35.7 | -    | -    | - | -    | -    | - | 40                | 22.0 | -    | -    | - | 12.1 | -    | - | 40       | 22.0 | -    | -    | - | 12.1 | -    | - | 40       | 22.0 | -    | -    | - | 12.1 | -    | - |
| 20        | 34.6 | -    | -    | - | 17.0 | -    | - | 48                | 21.3 | 19.0 | -    | - | 12.1 | -    | - | 48       | 21.3 | 19.0 | -    | - | 12.1 | -    | - | 48       | 21.3 | 19.0 | -    | - | 12.1 | -    | - |
| 24        | 31.6 | -    | -    | - | 16.7 | -    | - | 56                | 19.9 | 17.4 | -    | - | 11.8 | -    | - | 56       | 19.9 | 17.4 | -    | - | 11.8 | -    | - | 56       | 19.9 | 17.4 | -    | - | 11.8 | -    | - |
| 28        | 28.6 | -    | -    | - | 16.4 | -    | - | 64                | 18.4 | 15.9 | 14.3 | - | 11.5 | -    | - | 64       | 18.4 | 15.9 | 14.3 | - | 11.5 | -    | - | 64       | 18.4 | 15.9 | 14.3 | - | 11.5 | -    | - |
| 32        | 25.7 | 22.3 | -    | - | 16.1 | -    | - | 72                | 17.0 | 14.6 | 13.5 | - | 11.0 | 10.2 | - | 72       | 17.0 | 14.6 | 13.5 | - | 11.0 | 10.2 | - | 72       | 17.0 | 14.6 | 13.5 | - | 11.0 | 10.2 | - |
| 36        | 23.5 | 20.5 | -    | - | 15.9 | -    | - | 80                | 15.4 | 13.7 | 12.5 | - | 10.5 | 9.4  | - | 80       | 15.4 | 13.7 | 12.5 | - | 10.5 | 9.4  | - | 80       | 15.4 | 13.7 | 12.5 | - | 10.5 | 9.4  | - |
| 40        | 21.5 | 19.0 | 17.5 | - | 15.5 | -    | - | 88                | 14.2 | 12.7 | 11.9 | - | 10.0 | 8.8  | - | 88       | 14.2 | 12.7 | 11.9 | - | 10.0 | 8.8  | - | 88       | 14.2 | 12.7 | 11.9 | - | 10.0 | 8.8  | - |
| 48        | 18.0 | 16.4 | 15.4 | - | 14.1 | 13.0 | - | 96                | 13.1 | 11.9 | 11.2 | - | 9.3  | 8.1  | - | 96       | 13.1 | 11.9 | 11.2 | - | 9.3  | 8.1  | - | 96       | 13.1 | 11.9 | 11.2 | - | 9.3  | 8.1  | - |
| 56        | 15.4 | 14.4 | 13.6 | - | 12.5 | 11.4 | - | 104               | 12.0 | 11.1 | 10.6 | - | 8.7  | 7.6  | - | 104      | 12.0 | 11.1 | 10.6 | - | 8.7  | 7.6  | - | 104      | 12.0 | 11.1 | 10.6 | - | 8.7  | 7.6  | - |
| 64        | 13.6 | 12.8 | 12.2 | - | 11.1 | 10.1 | - | 112               | 10.7 | 10.5 | 10.1 | - | 8.1  | 7.0  | - | 112      | 10.7 | 10.5 | 10.1 | - | 8.1  | 7.0  | - | 112      | 10.7 | 10.5 | 10.1 | - | 8.1  | 7.0  | - |
| 72        | 12.2 | 11.5 | 11.0 | - | 9.7  | 9.1  | - | 120               | 8.9  | 9.4  | 9.5  | - | 7.6  | 6.7  | - | 120      | 8.9  | 9.4  | 9.5  | - | 7.6  | 6.7  | - | 120      | 8.9  | 9.4  | 9.5  | - | 7.6  | 6.7  | - |
| 80        | 10.9 | 10.4 | 10.2 | - | 8.7  | 8.0  | - | 128               | 7.6  | 8.3  | 8.6  | - | 7.1  | 6.3  | - | 128      | 7.6  | 8.3  | 8.6  | - | 7.1  | 6.3  | - | 128      | 7.6  | 8.3  | 8.6  | - | 7.1  | 6.3  | - |
| 88        | 9.8  | 9.4  | 9.4  | - | 7.9  | 7.3  | - | 136               | 6.8  | 6.9  | 7.4  | - | 6.4  | 6.0  | - | 136      | 6.8  | 6.9  | 7.4  | - | 6.4  | 6.0  | - | 136      | 6.8  | 6.9  | 7.4  | - | 6.4  | 6.0  | - |
| 96        | 8.8  | 8.8  | -    | - | 7.1  | 6.6  | - | 144               | 6.0  | 6.4  | 6.4  | - | 5.3  | 5.5  | - | 144      | 6.0  | 6.4  | 6.4  | - | 5.3  | 5.5  | - | 144      | 6.0  | 6.4  | 6.4  | - | 5.3  | 5.5  | - |
| 104       | 8.2  | 8.0  | -    | - | 6.3  | 6.0  | - | 152               | 5.0  | 5.4  | 4.4  | - | 4.6  | 5.2  | - | 152      | 5.0  | 5.4  | 4.4  | - | 4.6  | 5.2  | - | 152      | 5.0  | 5.4  | 4.4  | - | 4.6  | 5.2  | - |
| 112       | -    | -    | -    | - | 5.7  | 5.5  | - | 160               | 4.5  | 4.6  | -    | - | 4.2  | 4.5  | - | 160      | 4.5  | 4.6  | -    | - | 4.2  | 4.5  | - | 160      | 4.5  | 4.6  | -    | - | 4.2  | 4.5  | - |
| 120       | -    | -    | -    | - | 5.2  | 5.2  | - | 168               | 3.6  | 3.6  | -    | - | 3.4  | 3.8  | - | 168      | 3.6  | 3.6  | -    | - | 3.4  | 3.8  | - | 168      | 3.6  | 3.6  | -    | - | 3.4  | 3.8  | - |
| 128       | -    | -    | -    | - | 4.8  | 4.7  | - | 176               | 3.3  | 3.3  | -    | - | 2.7  | 3.4  | - | 176      | 3.3  | 3.3  | -    | - | 2.7  | 3.4  | - | 176      | 3.3  | 3.3  | -    | - | 2.7  | 3.4  | - |
| 136       | -    | -    | -    | - | 4.5  | -    | - | 184               | -    | -    | -    | - | 2.4  | 2.6  | - | 184      | -    | -    | -    | - | 2.4  | 2.6  | - | 184      | -    | -    | -    | - | 2.4  | 2.6  | - |

| 175.5 ft |     |     |     |   |     |     |   | 108.3 ft |     |     |     |   |     |     |   |
|----------|-----|-----|-----|---|-----|-----|---|----------|-----|-----|-----|---|-----|-----|---|
| 76.8 ft  |     |     |     |   |     |     |   | 76.8 ft  |     |     |     |   |     |     |   |
| 0°       |     |     |     |   |     |     |   | 0°       |     |     |     |   |     |     |   |
| 20°      |     |     |     |   |     |     |   | 20°      |     |     |     |   |     |     |   |
| 40°      |     |     |     |   |     |     |   | 40°      |     |     |     |   |     |     |   |
| 1,000 lb |     |     |     |   |     |     |   | 1,000 lb |     |     |     |   |     |     |   |
| ft       |     |     |     |   |     |     |   | ft       |     |     |     |   |     |     |   |
| 56       | 8.8 | -   | -   | - | -   | -   | - | 64       | 8.8 | -   | -   | - | -   | -   | - |
| 64       | 8.8 | -   | -   | - | 4.9 | -   | - | 72       | 8.8 | -   | -   | - | 4.9 | -   | - |
| 72       | 8.8 | -   | -   | - | 4.9 | -   | - | 80       | 8.8 | 8.8 | 7.7 | - | 4.9 | -   | - |
| 80       | 8.8 | 8.8 | 7.7 | - | 4.9 | -   | - | 88       | 8.8 | 8.8 | 7.5 | - | 4.9 | -   | - |
| 88       | 8.8 | 8.8 | 7.5 | - | 4.9 | -   | - | 96       | 8.8 | 8.8 | 7.4 | - | 4.9 | 4.9 | - |
| 96       | 8.8 | 8.8 | 7.4 | - | 4.9 | 4.9 | - | 104      | 8.1 | 8.8 | 7.3 | - | 4.9 | 4.9 | - |
| 104      | 8.1 | 8.8 | 7.3 | - | 4.9 | 4.9 | - | 112      | 7.0 | 7.8 | 7.0 | - | 4.8 | 4.9 | - |
| 112      | 7.0 | 7.8 | 7.0 | - | 4.8 | 4.9 | - | 120      | 5.6 | 6.7 | 6.8 | - | 3.9 | 4.9 | - |
| 120      | 5.6 | 6.7 | 6.8 | - | 3.9 | 4.9 | - | 128      | 4.4 | 5.5 | 6.2 | - | 2.9 | 4.6 | - |
| 128      | 4.4 | 5.5 | 6.2 | - | 2.9 | 4.6 | - | 136      | 3.3 | 4.4 | 5.2 | - | -   | 3.8 | - |
| 136      | 3.3 | 4.4 | 5.2 | - | -   | 3.8 | - | 144      | 2.5 | 3.4 | 4.2 | - | -   | 2.7 | - |
| 144      | 2.5 | 3.4 | 4.2 | - | -   | 2.7 | - | 152      | -   | -   | 3.2 | - | -   | -   | - |
| 152      | -   | -   | 3.2 | - | -   | -   | - |          |     |     |     |   |     |     |   |

| 196.2 ft |     |     |     |   |   |   |   | 76.8 ft  |     |     |     |   |   |   |   |
|----------|-----|-----|-----|---|---|---|---|----------|-----|-----|-----|---|---|---|---|
| 76.8 ft  |     |     |     |   |   |   |   | 76.8 ft  |     |     |     |   |   |   |   |
| 0°       |     |     |     |   |   |   |   | 0°       |     |     |     |   |   |   |   |
| 20°*     |     |     |     |   |   |   |   | 20°*     |     |     |     |   |   |   |   |
| 40°*     |     |     |     |   |   |   |   | 40°*     |     |     |     |   |   |   |   |
| 1,000 lb |     |     |     |   |   |   |   | 1,000 lb |     |     |     |   |   |   |   |
| ft       |     |     |     |   |   |   |   | ft       |     |     |     |   |   |   |   |
| 64       | 6.0 | -   | -   | - | - | - | - | 64       | 6.0 | -   | -   | - | - | - | - |
| 72       | 6.0 | -   | -   | - | - | - | - | 72       | 6.0 | -   | -   | - | - | - | - |
| 80       | 6.0 | 6.4 | -   | - | - | - | - | 80       | 6.0 | 6.4 | -   | - | - | - | - |
| 88       | 6.0 | 6.4 | 6.1 | - | - | - | - | 88       | 6.0 | 6.4 | 6.1 | - | - | - | - |
| 96       | 6.0 | 6.4 | 6.0 | - | - | - | - | 96       | 6.0 | 6.4 | 6.0 | - | - | - | - |
| 104      | 6.0 | 6.4 | 6.0 | - | - | - | - | 104      | 6.0 | 6.4 | 6.0 | - | - | - | - |
| 112      | 5.2 | 6.4 | 5.7 | - | - | - | - | 112      | 5.2 | 6.4 | 5.7 | - | - | - | - |
| 120      | 3.9 | 5.6 | 5.7 | - | - | - | - | 120      | 3.9 | 5.6 | 5.7 | - | - | - | - |
| 128      | 2.9 | 4.4 | 5.3 | - | - | - | - | 128      | 2.9 | 4.4 | 5.3 | - | - | - | - |
| 136      | -   | 3.3 | 4.2 | - | - | - | - | 136      | -   | 3.3 | 4.2 | - | - | - | - |
| 144      | -   | 2.3 | 3.1 | - | - | - | - | 144      | -   | 2.3 | 3.1 | - | - | - | - |

 \* 191.6 ft





|  93,000 lb                                                                                 |                                                                                           |  25.3 ft x 23.0 ft |                                                                                           | 360°                                                                                      |                                                                                            | 85 %                                                                                       |                                                                                            |                                                                                            |                                                                                            |                                                                                             |                                                                                              |                                                                                     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|   41.0 ft |  54.5 ft |  67.9 ft           |  81.4 ft |  94.8 ft |  108.3 ft |  121.7 ft |  135.2 ft |  148.6 ft |  162.1 ft |  175.5 ft |  196.2 ft |  |
| ft                                                                                                                                                                          | 1,000 lb                                                                                  |                                                                                                     |                                                                                           |                                                                                           |                                                                                            |                                                                                            |                                                                                            |                                                                                            |                                                                                            |                                                                                             |                                                                                              | ft                                                                                  |
| 10                                                                                                                                                                          | 72.3                                                                                      | 72.3                                                                                                | 72.3                                                                                      | -                                                                                         | -                                                                                          | -                                                                                          | -                                                                                          | -                                                                                          | -                                                                                          | -                                                                                           | -                                                                                            | 10                                                                                  |
| 12                                                                                                                                                                          | 72.3                                                                                      | 72.3                                                                                                | 72.3                                                                                      | 72.3                                                                                      | -                                                                                          | -                                                                                          | -                                                                                          | -                                                                                          | -                                                                                          | -                                                                                           | -                                                                                            | 12                                                                                  |
| 14                                                                                                                                                                          | 72.3                                                                                      | 72.3                                                                                                | 72.3                                                                                      | 72.3                                                                                      | -                                                                                          | -                                                                                          | -                                                                                          | -                                                                                          | -                                                                                          | -                                                                                           | -                                                                                            | 14                                                                                  |
| 16                                                                                                                                                                          | 72.3                                                                                      | 72.3                                                                                                | 72.3                                                                                      | 72.3                                                                                      | 72.3                                                                                       | -                                                                                          | -                                                                                          | -                                                                                          | -                                                                                          | -                                                                                           | -                                                                                            | 16                                                                                  |
| 18                                                                                                                                                                          | 72.3                                                                                      | 72.3                                                                                                | 72.3                                                                                      | 72.3                                                                                      | 72.3                                                                                       | -                                                                                          | -                                                                                          | -                                                                                          | -                                                                                          | -                                                                                           | -                                                                                            | 18                                                                                  |
| 20                                                                                                                                                                          | 72.3                                                                                      | 72.3                                                                                                | 72.3                                                                                      | 72.3                                                                                      | 72.3                                                                                       | 72.3                                                                                       | -                                                                                          | -                                                                                          | -                                                                                          | -                                                                                           | -                                                                                            | 20                                                                                  |
| 24                                                                                                                                                                          | 72.3                                                                                      | 72.3                                                                                                | 72.3                                                                                      | 72.3                                                                                      | 72.3                                                                                       | 72.3                                                                                       | 70.4                                                                                       | -                                                                                          | -                                                                                          | -                                                                                           | -                                                                                            | 24                                                                                  |
| 28                                                                                                                                                                          | 72.3                                                                                      | 72.3                                                                                                | 72.3                                                                                      | 72.3                                                                                      | 72.3                                                                                       | 72.3                                                                                       | 68.2                                                                                       | 56.4                                                                                       | -                                                                                          | -                                                                                           | -                                                                                            | 28                                                                                  |
| 32                                                                                                                                                                          | 72.3                                                                                      | 72.3                                                                                                | 72.3                                                                                      | 72.3                                                                                      | 72.3                                                                                       | 72.3                                                                                       | 64.4                                                                                       | 54.9                                                                                       | 44.6                                                                                       | -                                                                                           | -                                                                                            | 32                                                                                  |
| 36                                                                                                                                                                          | -                                                                                         | 72.3                                                                                                | 72.3                                                                                      | 72.3                                                                                      | 71.8                                                                                       | 69.7                                                                                       | 60.1                                                                                       | 52.1                                                                                       | 43.8                                                                                       | 34.9                                                                                        | -                                                                                            | 36                                                                                  |
| 40                                                                                                                                                                          | -                                                                                         | 71.1                                                                                                | 71.2                                                                                      | 71.2                                                                                      | 70.1                                                                                       | 66.4                                                                                       | 55.8                                                                                       | 49.1                                                                                       | 42.7                                                                                       | 34.7                                                                                        | 29.1                                                                                         | 40                                                                                  |
| 48                                                                                                                                                                          | -                                                                                         | -                                                                                                   | 58.2                                                                                      | 57.8                                                                                      | 57.2                                                                                       | 57.6                                                                                       | 47.9                                                                                       | 43.3                                                                                       | 38.6                                                                                       | 33.1                                                                                        | 28.6                                                                                         | 48                                                                                  |
| 56                                                                                                                                                                          | -                                                                                         | -                                                                                                   | 48.1                                                                                      | 48.9                                                                                      | 48.9                                                                                       | 47.6                                                                                       | 40.7                                                                                       | 38.0                                                                                       | 34.5                                                                                       | 30.6                                                                                        | 27.3                                                                                         | 56                                                                                  |
| 64                                                                                                                                                                          | -                                                                                         | -                                                                                                   | 26.9                                                                                      | 41.6                                                                                      | 40.8                                                                                       | 39.3                                                                                       | 35.5                                                                                       | 33.2                                                                                       | 30.7                                                                                       | 27.9                                                                                        | 25.5                                                                                         | 64                                                                                  |
| 72                                                                                                                                                                          | -                                                                                         | -                                                                                                   | -                                                                                         | 35.0                                                                                      | 34.1                                                                                       | 32.3                                                                                       | 31.6                                                                                       | 29.0                                                                                       | 27.2                                                                                       | 25.0                                                                                        | 23.8                                                                                         | 72                                                                                  |
| 80                                                                                                                                                                          | -                                                                                         | -                                                                                                   | -                                                                                         | -                                                                                         | 28.8                                                                                       | 27.3                                                                                       | 27.5                                                                                       | 25.5                                                                                       | 24.0                                                                                       | 22.5                                                                                        | 21.7                                                                                         | 80                                                                                  |
| 88                                                                                                                                                                          | -                                                                                         | -                                                                                                   | -                                                                                         | -                                                                                         | 19.9                                                                                       | 23.5                                                                                       | 24.1                                                                                       | 22.5                                                                                       | 21.4                                                                                       | 20.2                                                                                        | 19.9                                                                                         | 88                                                                                  |
| 96                                                                                                                                                                          | -                                                                                         | -                                                                                                   | -                                                                                         | -                                                                                         | -                                                                                          | 21.7                                                                                       | 20.7                                                                                       | 19.6                                                                                       | 19.0                                                                                       | 18.2                                                                                        | 18.0                                                                                         | 96                                                                                  |
| 104                                                                                                                                                                         | -                                                                                         | -                                                                                                   | -                                                                                         | -                                                                                         | -                                                                                          | 14.1                                                                                       | 17.8                                                                                       | 18.1                                                                                       | 16.8                                                                                       | 16.5                                                                                        | 16.3                                                                                         | 104                                                                                 |
| 112                                                                                                                                                                         | -                                                                                         | -                                                                                                   | -                                                                                         | -                                                                                         | -                                                                                          | -                                                                                          | 15.2                                                                                       | 15.8                                                                                       | 14.7                                                                                       | 14.9                                                                                        | 14.2                                                                                         | 112                                                                                 |
| 120                                                                                                                                                                         | -                                                                                         | -                                                                                                   | -                                                                                         | -                                                                                         | -                                                                                          | -                                                                                          | 10.4                                                                                       | 13.7                                                                                       | 13.5                                                                                       | 13.0                                                                                        | 12.5                                                                                         | 120                                                                                 |
| 128                                                                                                                                                                         | -                                                                                         | -                                                                                                   | -                                                                                         | -                                                                                         | -                                                                                          | -                                                                                          | -                                                                                          | 11.1                                                                                       | 11.8                                                                                       | 11.2                                                                                        | 11.2                                                                                         | 128                                                                                 |
| 136                                                                                                                                                                         | -                                                                                         | -                                                                                                   | -                                                                                         | -                                                                                         | -                                                                                          | -                                                                                          | -                                                                                          | 9.8                                                                                        | 10.7                                                                                       | 9.6                                                                                         | 9.8                                                                                          | 136                                                                                 |
| 144                                                                                                                                                                         | -                                                                                         | -                                                                                                   | -                                                                                         | -                                                                                         | -                                                                                          | -                                                                                          | -                                                                                          | -                                                                                          | 8.0                                                                                        | 8.8                                                                                         | 8.2                                                                                          | 144                                                                                 |
| 152                                                                                                                                                                         | -                                                                                         | -                                                                                                   | -                                                                                         | -                                                                                         | -                                                                                          | -                                                                                          | -                                                                                          | -                                                                                          | -                                                                                          | 8.0                                                                                         | 7.1                                                                                          | 152                                                                                 |
| 160                                                                                                                                                                         | -                                                                                         | -                                                                                                   | -                                                                                         | -                                                                                         | -                                                                                          | -                                                                                          | -                                                                                          | -                                                                                          | -                                                                                          | -                                                                                           | 6.1                                                                                          | 160                                                                                 |
| 168                                                                                                                                                                         | -                                                                                         | -                                                                                                   | -                                                                                         | -                                                                                         | -                                                                                          | -                                                                                          | -                                                                                          | -                                                                                          | -                                                                                          | -                                                                                           | -                                                                                            | 168                                                                                 |
| 176                                                                                                                                                                         | -                                                                                         | -                                                                                                   | -                                                                                         | -                                                                                         | -                                                                                          | -                                                                                          | -                                                                                          | -                                                                                          | -                                                                                          | -                                                                                           | -                                                                                            | 176                                                                                 |
| 1)                                                                                                                                                                          | 29.8                                                                                      | 22.0                                                                                                | 17.0                                                                                      | 13.2                                                                                      | 10.4                                                                                       | 7.7                                                                                        | 5.7                                                                                        | 3.5                                                                                        | -                                                                                          | -                                                                                           | -                                                                                            | 1)                                                                                  |

1) Capacities with horizontal boom

|  69,700 lb                                                                         |          |  25.3 ft x 23.0 ft |         | 360°    |         | 85%      |          |          |          |          |          |          |                                                                                     |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-----------------------------------------------------------------------------------------------------|---------|---------|---------|----------|----------|----------|----------|----------|----------|----------|-------------------------------------------------------------------------------------|
|   | 41.0 ft  | 54.5 ft                                                                                             | 67.9 ft | 81.4 ft | 94.8 ft | 108.3 ft | 121.7 ft | 135.2 ft | 148.6 ft | 162.1 ft | 175.5 ft | 196.2 ft |  |
| ft                                                                                                                                                                  | 1,000 lb |                                                                                                     |         |         |         |          |          |          |          |          |          |          | ft                                                                                  |
| 10                                                                                                                                                                  | 72.3     | 72.3                                                                                                | 72.3    | -       | -       | -        | -        | -        | -        | -        | -        | -        | 10                                                                                  |
| 12                                                                                                                                                                  | 72.3     | 72.3                                                                                                | 72.3    | 72.3    | -       | -        | -        | -        | -        | -        | -        | -        | 12                                                                                  |
| 14                                                                                                                                                                  | 72.3     | 72.3                                                                                                | 72.3    | 72.3    | -       | -        | -        | -        | -        | -        | -        | -        | 14                                                                                  |
| 16                                                                                                                                                                  | 72.3     | 72.3                                                                                                | 72.3    | 72.3    | 72.3    | -        | -        | -        | -        | -        | -        | -        | 16                                                                                  |
| 18                                                                                                                                                                  | 72.3     | 72.3                                                                                                | 72.3    | 72.3    | 72.3    | -        | -        | -        | -        | -        | -        | -        | 18                                                                                  |
| 20                                                                                                                                                                  | 72.3     | 72.3                                                                                                | 72.3    | 72.3    | 72.3    | 72.3     | -        | -        | -        | -        | -        | -        | 20                                                                                  |
| 24                                                                                                                                                                  | 72.3     | 72.3                                                                                                | 72.3    | 72.3    | 72.3    | 72.3     | 70.4     | -        | -        | -        | -        | -        | 24                                                                                  |
| 28                                                                                                                                                                  | 72.3     | 72.3                                                                                                | 72.3    | 72.3    | 72.3    | 72.3     | 68.2     | 56.4     | -        | -        | -        | -        | 28                                                                                  |
| 32                                                                                                                                                                  | 72.3     | 72.3                                                                                                | 72.3    | 72.3    | 72.3    | 72.3     | 64.4     | 54.9     | 44.6     | -        | -        | -        | 32                                                                                  |
| 36                                                                                                                                                                  | -        | 70.3                                                                                                | 70.4    | 70.1    | 69.4    | 69.7     | 60.1     | 52.1     | 43.8     | 34.9     | -        | -        | 36                                                                                  |
| 40                                                                                                                                                                  | -        | 66.9                                                                                                | 67.1    | 66.4    | 65.0    | 65.8     | 55.8     | 49.1     | 42.7     | 34.7     | 29.1     | -        | 40                                                                                  |
| 48                                                                                                                                                                  | -        | -                                                                                                   | 51.9    | 52.7    | 52.4    | 50.7     | 47.5     | 43.3     | 38.6     | 33.1     | 28.6     | 20.9     | 48                                                                                  |
| 56                                                                                                                                                                  | -        | -                                                                                                   | 42.1    | 42.0    | 41.0    | 39.3     | 38.8     | 36.9     | 34.5     | 30.6     | 27.3     | 20.9     | 56                                                                                  |
| 64                                                                                                                                                                  | -        | -                                                                                                   | 24.8    | 33.9    | 32.8    | 31.8     | 31.8     | 30.6     | 29.7     | 27.9     | 25.5     | 20.8     | 64                                                                                  |
| 72                                                                                                                                                                  | -        | -                                                                                                   | -       | 27.9    | 27.0    | 27.8     | 26.4     | 25.0     | 25.4     | 24.8     | 23.8     | 20.5     | 72                                                                                  |
| 80                                                                                                                                                                  | -        | -                                                                                                   | -       | -       | 23.1    | 23.4     | 21.9     | 22.3     | 21.2     | 21.4     | 21.0     | 19.4     | 80                                                                                  |
| 88                                                                                                                                                                  | -        | -                                                                                                   | -       | -       | 16.0    | 19.9     | 19.5     | 18.8     | 18.5     | 18.3     | 17.8     | 17.2     | 88                                                                                  |
| 96                                                                                                                                                                  | -        | -                                                                                                   | -       | -       | -       | 17.1     | 17.3     | 15.8     | 16.3     | 15.4     | 15.2     | 14.1     | 96                                                                                  |
| 104                                                                                                                                                                 | -        | -                                                                                                   | -       | -       | -       | 13.5     | 14.8     | 14.5     | 14.0     | 13.9     | 12.6     | 11.7     | 104                                                                                 |
| 112                                                                                                                                                                 | -        | -                                                                                                   | -       | -       | -       | -        | 11.2     | 12.5     | 11.8     | 11.8     | 10.7     | 9.6      | 112                                                                                 |
| 120                                                                                                                                                                 | -        | -                                                                                                   | -       | -       | -       | -        | 10.4     | 10.9     | 10.0     | 10.0     | 8.9      | 7.8      | 120                                                                                 |
| 128                                                                                                                                                                 | -        | -                                                                                                   | -       | -       | -       | -        | -        | 9.4      | 8.5      | 8.5      | 7.4      | 6.3      | 128                                                                                 |
| 136                                                                                                                                                                 | -        | -                                                                                                   | -       | -       | -       | -        | -        | 8.2      | 7.3      | 7.1      | 6.0      | 4.9      | 136                                                                                 |
| 144                                                                                                                                                                 | -        | -                                                                                                   | -       | -       | -       | -        | -        | -        | 5.6      | 6.0      | 4.9      | 3.8      | 144                                                                                 |
| 152                                                                                                                                                                 | -        | -                                                                                                   | -       | -       | -       | -        | -        | -        | -        | 5.0      | 3.9      | -        | 152                                                                                 |
| 160                                                                                                                                                                 | -        | -                                                                                                   | -       | -       | -       | -        | -        | -        | -        | -        | 3.1      | -        | 160                                                                                 |
| 1)                                                                                                                                                                  | 29.8     | 22.0                                                                                                | 17.0    | 13.2    | 10.4    | 7.7      | 5.7      | 3.5      | -        | -        | -        | -        | 1)                                                                                  |

1) Capacities with horizontal boom

|  57,800 lb                                                                         |          |  25.3 ft x 23.0 ft |         | 360°    |         | 85%      |          |          |          |          |          |          |                                                                                     |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-----------------------------------------------------------------------------------------------------|---------|---------|---------|----------|----------|----------|----------|----------|----------|----------|-------------------------------------------------------------------------------------|
|   | 41.0 ft  | 54.5 ft                                                                                             | 67.9 ft | 81.4 ft | 94.8 ft | 108.3 ft | 121.7 ft | 135.2 ft | 148.6 ft | 162.1 ft | 175.5 ft | 196.2 ft |  |
| ft                                                                                                                                                                  | 1,000 lb |                                                                                                     |         |         |         |          |          |          |          |          |          |          | ft                                                                                  |
| 10                                                                                                                                                                  | 72.3     | 72.3                                                                                                | 72.3    | -       | -       | -        | -        | -        | -        | -        | -        | -        | 10                                                                                  |
| 12                                                                                                                                                                  | 72.3     | 72.3                                                                                                | 72.3    | 72.3    | -       | -        | -        | -        | -        | -        | -        | -        | 12                                                                                  |
| 14                                                                                                                                                                  | 72.3     | 72.3                                                                                                | 72.3    | 72.3    | -       | -        | -        | -        | -        | -        | -        | -        | 14                                                                                  |
| 16                                                                                                                                                                  | 72.3     | 72.3                                                                                                | 72.3    | 72.3    | 72.3    | -        | -        | -        | -        | -        | -        | -        | 16                                                                                  |
| 18                                                                                                                                                                  | 72.3     | 72.3                                                                                                | 72.3    | 72.3    | 72.3    | -        | -        | -        | -        | -        | -        | -        | 18                                                                                  |
| 20                                                                                                                                                                  | 72.3     | 72.3                                                                                                | 72.3    | 72.3    | 72.3    | 72.3     | -        | -        | -        | -        | -        | -        | 20                                                                                  |
| 24                                                                                                                                                                  | 72.3     | 72.3                                                                                                | 72.3    | 72.3    | 72.3    | 72.3     | 70.4     | -        | -        | -        | -        | -        | 24                                                                                  |
| 28                                                                                                                                                                  | 72.3     | 72.3                                                                                                | 72.3    | 72.3    | 72.3    | 72.3     | 68.2     | 56.4     | -        | -        | -        | -        | 28                                                                                  |
| 32                                                                                                                                                                  | 72.3     | 72.3                                                                                                | 72.3    | 72.3    | 72.3    | 72.3     | 64.4     | 54.9     | 44.6     | -        | -        | -        | 32                                                                                  |
| 36                                                                                                                                                                  | -        | 67.6                                                                                                | 67.7    | 67.2    | 66.8    | 66.7     | 60.1     | 52.1     | 43.8     | 34.9     | -        | -        | 36                                                                                  |
| 40                                                                                                                                                                  | -        | 61.2                                                                                                | 61.5    | 60.4    | 62.1    | 59.6     | 55.5     | 49.1     | 42.7     | 34.7     | 29.1     | -        | 40                                                                                  |
| 48                                                                                                                                                                  | -        | -                                                                                                   | 47.4    | 47.2    | 46.1    | 44.3     | 43.9     | 42.1     | 38.5     | 33.1     | 28.6     | 20.9     | 48                                                                                  |
| 56                                                                                                                                                                  | -        | -                                                                                                   | 36.8    | 36.8    | 35.7    | 35.0     | 34.8     | 33.7     | 32.5     | 30.6     | 27.3     | 20.9     | 56                                                                                  |
| 64                                                                                                                                                                  | -        | -                                                                                                   | 23.6    | 29.4    | 28.4    | 29.3     | 28.0     | 27.5     | 27.0     | 26.1     | 25.5     | 20.8     | 64                                                                                  |
| 72                                                                                                                                                                  | -        | -                                                                                                   | -       | 24.1    | 25.0    | 24.1     | 23.4     | 23.0     | 22.8     | 22.4     | 21.7     | 20.5     | 72                                                                                  |
| 80                                                                                                                                                                  | -        | -                                                                                                   | -       | -       | 21.1    | 20.0     | 20.4     | 19.1     | 19.5     | 18.8     | 18.4     | 17.1     | 80                                                                                  |
| 88                                                                                                                                                                  | -        | -                                                                                                   | -       | -       | 14.2    | 17.5     | 17.2     | 17.0     | 16.2     | 16.2     | 15.1     | 13.9     | 88                                                                                  |
| 96                                                                                                                                                                  | -        | -                                                                                                   | -       | -       | -       | 15.5     | 14.5     | 14.3     | 13.5     | 13.5     | 12.4     | 11.3     | 96                                                                                  |
| 104                                                                                                                                                                 | -        | -                                                                                                   | -       | -       | -       | 13.4     | 12.8     | 12.2     | 11.3     | 11.3     | 10.2     | 9.1      | 104                                                                                 |
| 112                                                                                                                                                                 | -        | -                                                                                                   | -       | -       | -       | -        | 11.1     | 10.3     | 9.4      | 9.4      | 8.3      | 7.2      | 112                                                                                 |
| 120                                                                                                                                                                 | -        | -                                                                                                   | -       | -       | -       | -        | 9.4      | 8.7      | 7.8      | 7.8      | 6.7      | 5.6      | 120                                                                                 |
| 128                                                                                                                                                                 | -        | -                                                                                                   | -       | -       | -       | -        | -        | 7.3      | 6.5      | 6.4      | 5.3      | 4.2      | 128                                                                                 |
| 136                                                                                                                                                                 | -        | -                                                                                                   | -       | -       | -       | -        | -        | 6.2      | 5.3      | 5.2      | 4.0      | 2.9      | 136                                                                                 |
| 144                                                                                                                                                                 | -        | -                                                                                                   | -       | -       | -       | -        | -        | -        | 3.6      | 4.2      | 3.1      | -        | 144                                                                                 |
| 152                                                                                                                                                                 | -        | -                                                                                                   | -       | -       | -       | -        | -        | -        | -        | 3.2      | -        | -        | 152                                                                                 |
| 1)                                                                                                                                                                  | 29.8     | 22.0                                                                                                | 17.0    | 13.2    | 10.4    | 7.7      | 5.7      | 3.5      | -        | -        | -        | -        | 1)                                                                                  |

1) Capacities with horizontal boom

|  <b>23,600 lb</b>                                                                  |          |  <b>25.3 ft x 23.0 ft</b> |         | <b>360°</b> |         | <b>85%</b> |          |          |          |          |          |          |                                                                                     |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------------------------------------------------------------------------------------------------------------|---------|-------------|---------|------------|----------|----------|----------|----------|----------|----------|-------------------------------------------------------------------------------------|
|   | 41.0 ft  | 54.5 ft                                                                                                    | 67.9 ft | 81.4 ft     | 94.8 ft | 108.3 ft   | 121.7 ft | 135.2 ft | 148.6 ft | 162.1 ft | 175.5 ft | 196.2 ft |  |
| ft                                                                                                                                                                  | 1,000 lb |                                                                                                            |         |             |         |            |          |          |          |          |          |          | ft                                                                                  |
| 10                                                                                                                                                                  | 72.3     | 72.3                                                                                                       | 72.3    | -           | -       | -          | -        | -        | -        | -        | -        | -        | 10                                                                                  |
| 12                                                                                                                                                                  | 72.3     | 72.3                                                                                                       | 72.3    | 72.3        | -       | -          | -        | -        | -        | -        | -        | -        | 12                                                                                  |
| 14                                                                                                                                                                  | 72.3     | 72.3                                                                                                       | 72.3    | 72.3        | -       | -          | -        | -        | -        | -        | -        | -        | 14                                                                                  |
| 16                                                                                                                                                                  | 72.3     | 72.3                                                                                                       | 72.3    | 72.3        | 72.3    | -          | -        | -        | -        | -        | -        | -        | 16                                                                                  |
| 18                                                                                                                                                                  | 72.3     | 72.3                                                                                                       | 72.3    | 72.3        | 72.3    | -          | -        | -        | -        | -        | -        | -        | 18                                                                                  |
| 20                                                                                                                                                                  | 72.3     | 72.3                                                                                                       | 72.3    | 72.3        | 72.3    | 72.3       | 68.3     | -        | -        | -        | -        | -        | 20                                                                                  |
| 24                                                                                                                                                                  | 72.3     | 72.3                                                                                                       | 72.3    | 72.3        | 72.3    | 71.3       | 58.7     | -        | -        | -        | -        | -        | 24                                                                                  |
| 28                                                                                                                                                                  | 68.5     | 70.0                                                                                                       | 70.1    | 69.7        | 67.4    | 63.8       | 50.8     | 53.4     | -        | -        | -        | -        | 28                                                                                  |
| 32                                                                                                                                                                  | 56.1     | 58.6                                                                                                       | 59.7    | 60.1        | 56.4    | 53.0       | 43.4     | 46.5     | 42.4     | -        | -        | -        | 32                                                                                  |
| 36                                                                                                                                                                  | -        | 48.4                                                                                                       | 50.2    | 49.9        | 47.6    | 46.1       | 38.3     | 40.8     | 37.6     | 33.1     | -        | -        | 36                                                                                  |
| 40                                                                                                                                                                  | -        | 39.8                                                                                                       | 40.9    | 40.7        | 40.5    | 40.5       | 30.0     | 35.9     | 34.7     | 32.6     | 28.7     | -        | 40                                                                                  |
| 48                                                                                                                                                                  | -        | -                                                                                                          | 30.0    | 31.0        | 30.7    | 29.8       | 23.4     | 29.1     | 27.4     | 26.2     | 23.8     | 20.1     | 48                                                                                  |
| 56                                                                                                                                                                  | -        | -                                                                                                          | 23.5    | 24.0        | 23.7    | 23.7       | 18.3     | 22.5     | 21.2     | 20.5     | 18.4     | 16.3     | 56                                                                                  |
| 64                                                                                                                                                                  | -        | -                                                                                                          | 18.3    | 18.8        | 18.9    | 18.8       | 14.4     | 17.7     | 16.5     | 16.0     | 14.2     | 12.1     | 64                                                                                  |
| 72                                                                                                                                                                  | -        | -                                                                                                          | -       | 15.1        | 15.3    | 14.9       | 11.5     | 13.8     | 12.6     | 12.4     | 10.7     | 8.7      | 72                                                                                  |
| 80                                                                                                                                                                  | -        | -                                                                                                          | -       | -           | 12.4    | 12.0       | 9.1      | 10.6     | 9.8      | 9.8      | 8.0      | 6.3      | 80                                                                                  |
| 88                                                                                                                                                                  | -        | -                                                                                                          | -       | -           | 10.1    | 9.6        | 7.2      | 8.3      | 7.4      | 7.4      | 5.8      | 4.2      | 88                                                                                  |
| 96                                                                                                                                                                  | -        | -                                                                                                          | -       | -           | -       | 7.6        | 5.7      | 6.4      | 5.6      | 5.4      | 4.2      | -        | 96                                                                                  |
| 104                                                                                                                                                                 | -        | -                                                                                                          | -       | -           | -       | 6.1        | 4.3      | 4.8      | 3.9      | 3.9      | 2.8      | -        | 104                                                                                 |
| 112                                                                                                                                                                 | -        | -                                                                                                          | -       | -           | -       | -          | 3.3      | 3.5      | -        | -        | -        | -        | 112                                                                                 |
| 120                                                                                                                                                                 | -        | -                                                                                                          | -       | -           | -       | -          | -        | -        | -        | -        | -        | -        | 120                                                                                 |
| 1)                                                                                                                                                                  | 29.8     | 22.0                                                                                                       | 17.0    | 12.3        | 8.8     | 5.7        | 3.5      | -        | -        | -        | -        | -        | 1)                                                                                  |

|  <b>19,000 lb</b>                                                                    |          |  <b>25.3 ft x 23.0 ft</b> |         | <b>360°</b> |         | <b>85 %</b> |          |          |          |          |          |          |                                                                                       |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------------------------------------------------------------------------------------------------------------|---------|-------------|---------|-------------|----------|----------|----------|----------|----------|----------|---------------------------------------------------------------------------------------|
|   | 41.0 ft  | 54.5 ft                                                                                                      | 67.9 ft | 81.4 ft     | 94.8 ft | 108.3 ft    | 121.7 ft | 135.2 ft | 148.6 ft | 162.1 ft | 175.5 ft | 196.2 ft |  |
| ft                                                                                                                                                                      | 1,000 lb |                                                                                                              |         |             |         |             |          |          |          |          |          |          | ft                                                                                    |
| 10                                                                                                                                                                      | 72.3     | 72.3                                                                                                         | 72.3    | -           | -       | -           | -        | -        | -        | -        | -        | -        | 10                                                                                    |
| 12                                                                                                                                                                      | 72.3     | 72.3                                                                                                         | 72.3    | 72.3        | -       | -           | -        | -        | -        | -        | -        | -        | 12                                                                                    |
| 14                                                                                                                                                                      | 72.3     | 72.3                                                                                                         | 72.3    | 72.3        | -       | -           | -        | -        | -        | -        | -        | -        | 14                                                                                    |
| 16                                                                                                                                                                      | 72.3     | 72.3                                                                                                         | 72.3    | 72.3        | 72.3    | -           | -        | -        | -        | -        | -        | -        | 16                                                                                    |
| 18                                                                                                                                                                      | 72.3     | 72.3                                                                                                         | 72.3    | 72.3        | 72.3    | -           | -        | -        | -        | -        | -        | -        | 18                                                                                    |
| 20                                                                                                                                                                      | 72.3     | 72.3                                                                                                         | 72.3    | 72.3        | 72.3    | 72.3        | -        | -        | -        | -        | -        | -        | 20                                                                                    |
| 24                                                                                                                                                                      | 72.3     | 72.3                                                                                                         | 72.3    | 72.3        | 71.3    | 69.9        | 66.4     | -        | -        | -        | -        | -        | 24                                                                                    |
| 28                                                                                                                                                                      | 66.0     | 67.4                                                                                                         | 67.5    | 67.2        | 63.5    | 59.4        | 56.0     | 50.3     | -        | -        | -        | -        | 28                                                                                    |
| 32                                                                                                                                                                      | 51.9     | 54.4                                                                                                         | 56.7    | 56.0        | 52.3    | 50.1        | 47.0     | 44.7     | 40.4     | -        | -        | -        | 32                                                                                    |
| 36                                                                                                                                                                      | -        | 45.4                                                                                                         | 46.6    | 46.4        | 44.2    | 43.9        | 40.8     | 38.8     | 35.9     | 31.7     | -        | -        | 36                                                                                    |
| 40                                                                                                                                                                      | -        | 36.8                                                                                                         | 37.9    | 37.7        | 39.0    | 37.3        | 36.1     | 35.0     | 32.6     | 29.8     | 27.6     | -        | 40                                                                                    |
| 48                                                                                                                                                                      | -        | -                                                                                                            | 28.2    | 29.0        | 28.4    | 28.6        | 28.4     | 26.6     | 24.8     | 23.8     | 21.5     | 19.1     | 48                                                                                    |
| 56                                                                                                                                                                      | -        | -                                                                                                            | 21.6    | 22.0        | 22.1    | 22.0        | 21.6     | 20.6     | 19.0     | 18.4     | 16.3     | 14.2     | 56                                                                                    |
| 64                                                                                                                                                                      | -        | -                                                                                                            | 16.7    | 17.2        | 17.4    | 17.2        | 16.7     | 15.9     | 14.9     | 14.2     | 12.2     | 10.2     | 64                                                                                    |
| 72                                                                                                                                                                      | -        | -                                                                                                            | -       | 13.5        | 13.7    | 13.3        | 12.9     | 12.2     | 11.1     | 10.9     | 8.9      | 7.1      | 72                                                                                    |
| 80                                                                                                                                                                      | -        | -                                                                                                            | -       | -           | 11.1    | 10.6        | 10.2     | 9.3      | 8.4      | 8.3      | 6.5      | 4.7      | 80                                                                                    |
| 88                                                                                                                                                                      | -        | -                                                                                                            | -       | -           | 8.8     | 8.4         | 8.0      | 7.1      | 6.2      | 6.2      | 4.5      | -        | 88                                                                                    |
| 96                                                                                                                                                                      | -        | -                                                                                                            | -       | -           | -       | 6.5         | 6.1      | 5.3      | 4.5      | 4.5      | 2.9      | -        | 96                                                                                    |
| 104                                                                                                                                                                     | -        | -                                                                                                            | -       | -           | -       | 5.0         | 4.6      | 3.7      | 3.0      | 2.8      | -        | -        | 104                                                                                   |
| 112                                                                                                                                                                     | -        | -                                                                                                            | -       | -           | -       | -           | 3.5      | -        | -        | -        | -        | -        | 112                                                                                   |
| 1)                                                                                                                                                                      | 29.8     | 22.0                                                                                                         | 16.1    | 11.0        | 7.7     | 4.9         | 2.6      | -        | -        | -        | -        | -        | 1)                                                                                    |

1) Capacities with horizontal boom

Ratings are in compliance with ASME B30.5.

Lifting capacities do not exceed 85 % of tipping load.

Consult operation manual for further details.

**Note:** Data published herein is intended as a guide only and shall not be construed to warrant applicability for lifting purposes. Crane operation is subject to the computer charts and operation manual both supplied with the crane.

## Basic machine

### Equipment carrier

|                                                     |                                                                                                                                                                                                                                                                                  |
|-----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Engine 405-4</b>                                 | Scania DC13; Diesel engine; 405 kW / 2100 1/min (550 HP), torque 2476 Nm / 1400 1/min; The engine complies with Tier 4F; Exhaust system complete stainless steel.                                                                                                                |
| <b>Fuel tank</b>                                    | Fuel tank 127 gallons Diesel (no RME / biodiesel); 16 gallons AdBlue tank.                                                                                                                                                                                                       |
| <b>Transmission ZF TraXon</b>                       | ZF TraXon; Automated gearbox with integrated hydraulic retarder, 12 forward speeds and 2 reverse; 2-stage transfer case with switchable longitudinal lock.                                                                                                                       |
| <b>Axles 10 x 6 x 10</b>                            | 10 x 6 x 10; Five axles, axles 2, 4, 5 are driven and dispose of a selectable transverse lock; Axle 4 with selectable longitudinal lock; All axles steered.                                                                                                                      |
| <b>Suspension</b>                                   | Hydropneumatic suspension with axle load compensation; Hydraulically lockable.                                                                                                                                                                                                   |
| <b>Steering</b>                                     | Dual-circuit steering system with independent rear axle steering; Axles 1, 2, 3 mechanically connected; Axles 4 and 5 electro-hydraulically connected, all axles steered with 6 different steering programs.                                                                     |
| <b>Brakes</b>                                       | Pneumatic dual circuit service brake, acting on all wheels; Disc brakes; Hydraulic retarder integrated into transmission as wear-free sustained-action brake; Additional exhaust brake; Parking brake.                                                                           |
| <b>Tires size 385/95 R25 (14.00R25)</b>             | Tires size 385/95 R25 (14.00R25); Steel rim 9,5-25/1,7"; TechKing ETCRANE 170F or similar.                                                                                                                                                                                       |
| <b>Cab 2550</b>                                     | Type 8.4 ft; Adjustable driver seat, armrests and pneumatic suspension; Height and tilt-adjustable steering wheel; Auxiliary / passenger seat; Powered door windows; Tinted glass; Central door locking; Electrically adjustable rear-view mirrors, heated; Radio; Seat heating. |
| <b>Heating engine-dependent</b>                     | Engine-dependent warm water heating with 12 kW heating power.                                                                                                                                                                                                                    |
| <b>Aircondition</b>                                 | Aircondition for carrier cab, 7 kW rated cooling power.                                                                                                                                                                                                                          |
| <b>Drive lights</b>                                 | Including low beam, upper beam, daytime running lights, fog lights and cornering lights.                                                                                                                                                                                         |
| <b>Outriggers</b>                                   | H-4-point design; Vertical and horizontal movement fully hydraulic; Manual or automatic levelling alternatively; 3 outrigger bases: 8.4 ft, 15.4 ft, 23.0 ft.                                                                                                                    |
| <b>Outrigger pads 038PA</b>                         | 4 round polyamide outrigger pads A = 1.25 ft <sup>2</sup> with transport position at vertical cylinder.                                                                                                                                                                          |
| <b>Outrigger basis monitoring</b>                   | Individual monitoring of horizontal stroke; Deviation warning in crane cab.                                                                                                                                                                                                      |
| <b>Outrigger load indicator</b>                     | The outrigger load is indicated in the operator cab and the outrigger control box.                                                                                                                                                                                               |
| <b>Electronic immobilizer system</b>                | Prevents uncontrolled carrier mobilization; Incl. 5 ignition keys.                                                                                                                                                                                                               |
| <b>Pneumatic system adapter for inflating tires</b> | Pneumatic system adapter for inflating tires makes it possible for operators to inflate tires by themselves.                                                                                                                                                                     |
| <b>Contour safety marking</b>                       | Continuous reflective strips on the sides of the chassis and on the rear.                                                                                                                                                                                                        |

### Equipment superstructure

|                                   |                                                                                                                                                                                                                                   |
|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Telescopic boom HA60</b>       | 41.0 ft - 196.2 ft; Single cylinder telescoping system, automatic telescoping; Attachments for all equipment and extensions; 4 sheaves integrated in boom head for max. capacity of 141,800 lb.                                   |
| <b>Boom luffing</b>               | 1 luffing cylinder with automatic lowering brake valve.                                                                                                                                                                           |
| <b>Rotary drive</b>               | Single slewing gear unit with spring-loaded multi-disc brake.                                                                                                                                                                     |
| <b>H1</b>                         | Hoist with spring-loaded multi-disc brake; Resolver (hoist rotation indicator); Incl. hoist monitoring.                                                                                                                           |
| <b>Counterweight 69,700 lb</b>    | Counterweight 69,700 lb, 6 pieces (a-f); Automatic rigging system.                                                                                                                                                                |
| <b>Control system</b>             | Enabling 4 simultaneous working movements; Electric pilot controls via 2 two-axis joysticks; Different control modes selectable for hydraulic circuits.                                                                           |
| <b>Operator aids</b>              | IC-1, with integrated electronic load moment indicator in accordance with EN13000; Color display; Displaying of current operating conditions, load charts, fault indicator; Signal lights indicating LMI-load; Crane data logger. |
| <b>Working range limiter</b>      | Displaying and programmability of the work range limits by IC-1.                                                                                                                                                                  |
| <b>Hook height indication</b>     | Displaying and programmability of the hook height H1 by IC-1.                                                                                                                                                                     |
| <b>Cab 875</b>                    | Type 2.87 ft; Tilt infinitely variable 16°; Sliding window rear; Fold-out front window; Extendable side pedestal, front pedestal; Handrails; Tinted safety glass; Pull-down sun visor; Radio; Seat heating.                       |
| <b>Heating engine-independent</b> | Engine-independent warm water heating with 5 kW heating power.                                                                                                                                                                    |
| <b>Aircondition</b>               | Aircondition in crane cab with 5 kW rated cooling power.                                                                                                                                                                          |
| <b>Anemometer</b>                 | Removable, to be used with all extensions.                                                                                                                                                                                        |

## Additional equipment

### Carrier

|                             |                                                                                                                                                                                       |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Engine 331-3</b>         | Scania DC13; Diesel engine; 331 kW / 2100 1/min (450 HP), torque 2007 Nm / 1575 1/min; The engine complies with EU Stage III A / Tier 3; Exhaust system optional with spark arrester. |
| <b>Axles 10 x 8 x 10</b>    | 10 x 8 x 10; Five axles, axles 1, 2, 4, 5 are driven and dispose of a selectable transverse lock; Axles 2 and 4 with a disengageable center-differential lock; All axles steered.     |
| <b>Additional fuel tank</b> | Additional fuel tank 37 gallons; For 164 gallons diesel total in carrier (no RME / biodiesel).                                                                                        |

### Superstructure

|                                           |                                                                                                                                     |
|-------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| <b>Heavy lift attachment</b>              | 2 additional sheaves; Dis-/connectable; For total 6 sheaves at boom head; Max. capacity 202,400 lb.                                 |
| <b>2. hoist (H2)</b>                      | 2. hoist; Spring-loaded multi-disc brake; Integrated resolver (hoist rotation indicator); Incl. quick couplings and transport rack. |
| <b>Additional counterweight 23,300 lb</b> | Additional counterweight 23,300 lb; 2 pieces; for total 93,000 lb, 8 pieces.                                                        |
| <b>Load supervision camera</b>            | Camera mounted on main boom head to supervise the hook block and load from above; Incl. boom head light on boom head.               |

### Handling

|                       |                                                                                                                                                                                                                                                                                                                                                          |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Remote control</b> | Control of superstructure movements via wireless remote control.                                                                                                                                                                                                                                                                                         |
| <b>IC-1 Plus</b>      | Smart crane control system for main boom operation enabling higher lifting capacities especially over outriggers. Enables safe use of the full capacity of the crane even in asymmetric outrigger configurations. Outriggers can be positioned independently. Capacity precalculation for +/- 30° slewing angle and radius area. In-cab lift simulation. |
| <b>IC-1 Remote</b>    | IC-1 Remote, Demag telematic system.                                                                                                                                                                                                                                                                                                                     |

### Extensions

|                        |                                                                                                                                                                                                                                                                              |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>HAV 36.1 ft</b>     | 37.4 ft; Lattice swing-away jib, manually offsettable 20°/40°; 1-sheaved head; Incl. transport storage.                                                                                                                                                                      |
| <b>HAV 68.9 ft</b>     | 68.9 ft; Double folding swing-away jib, manually offsettable 20°/40°; 1-sheaved head; Incl. transport storage; Includes HAV 36.1 ft.                                                                                                                                         |
| <b>HAV-VA 108.3 ft</b> | 108.3 ft; Variable extension; Single piece, 39.4 ft lattice boom extension and double folding swing-away jib, manually offsettable 20°/40°; 1-sheaved head; Incl. transport storage for double folding swing-away jib; Includes HAV 36.1 ft, HAV 68.9 ft and HAV-VA 75.5 ft. |
| <b>HAV-HY</b>          | Hydraulic offset 0°-40° instead of manual offset 20°/40°; available for HAV 36.1 ft, HAV 68.9 ft, HAV-VA 108.3 ft.                                                                                                                                                           |
| <b>MS (runner)</b>     | 5.25 ft; Fixed angle runner; 2 sheaves, for max. 72,300 lb lifting capacity; Incl. transport storage at boom head; Not transportable within 9.0 ft crane width.                                                                                                              |

### Hook Blocks

|                                   |                                                                                     |
|-----------------------------------|-------------------------------------------------------------------------------------|
| <b>Hook block 160-7-21-D-1500</b> | 160-7-21-D (3310 lb); Hook block with ramshorn hook; white with red signal stripes. |
| <b>Hook block 125-5-21-D-1125</b> | 125-5-21-D (2480 lb); Hook block with ramshorn hook; white with red signal stripes. |
| <b>Hook block 80-3-21-D-850</b>   | 80-3-21-D (1870 lb); Hook block with ramshorn hook; white with red signal stripes.  |
| <b>Hook block 32-1-21-D-600</b>   | 32-1-21-D (1320 lb); Hook block with ramshorn hook; white with red signal stripes.  |
| <b>Hook 12-0V-E-350</b>           | 12-0V-E (770 lb); Single hook with vertical swivel; red.                            |

### Further additional equipment on request!

Weight data may deviate from posted values based on road / travel configuration, equipment configuration, and component weight tolerances.

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