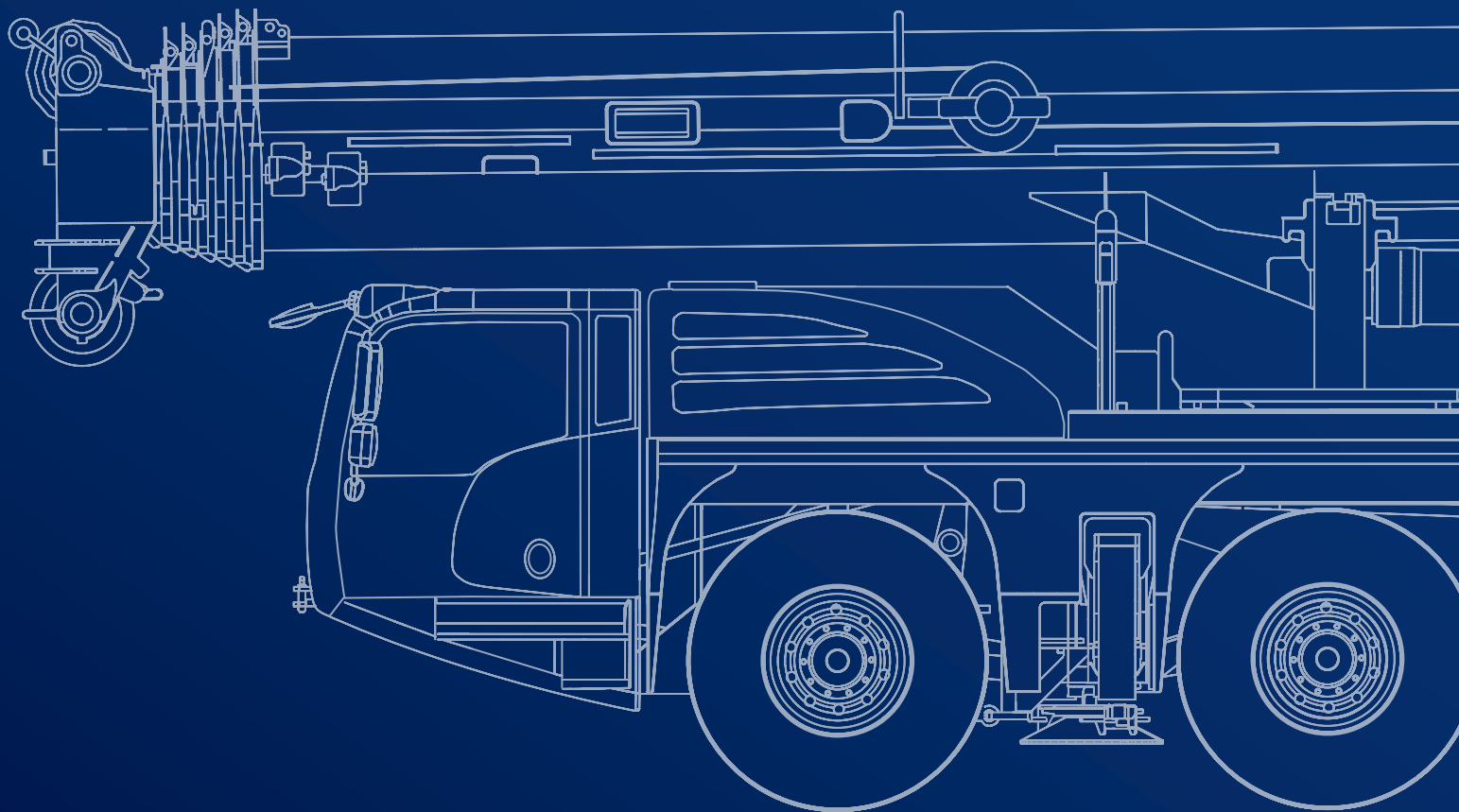


# AC 5.160-1

180 US TON MAX. CRANE CAPACITY



- Suitable for alternative fuels





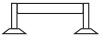
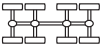
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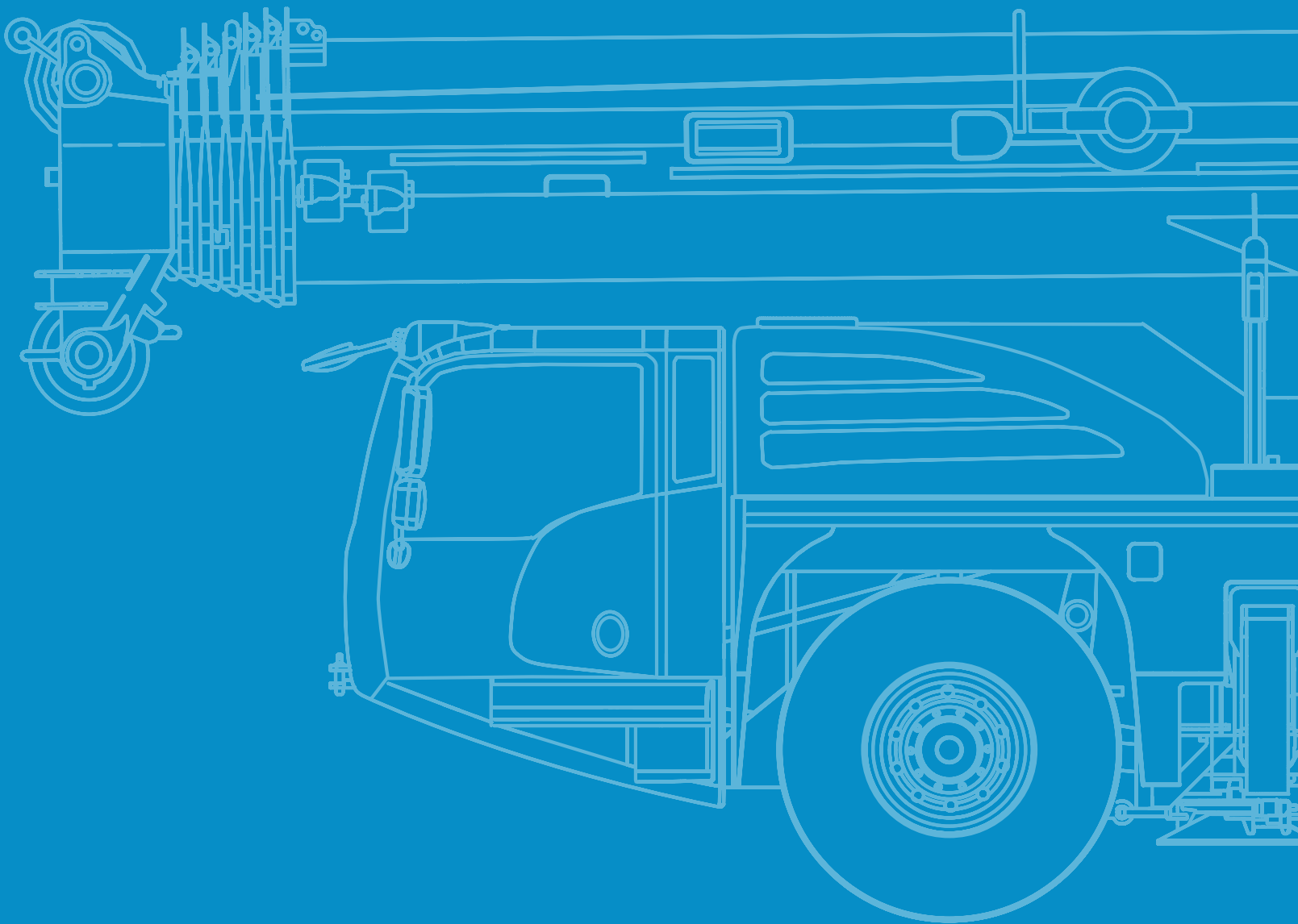
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# Key

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

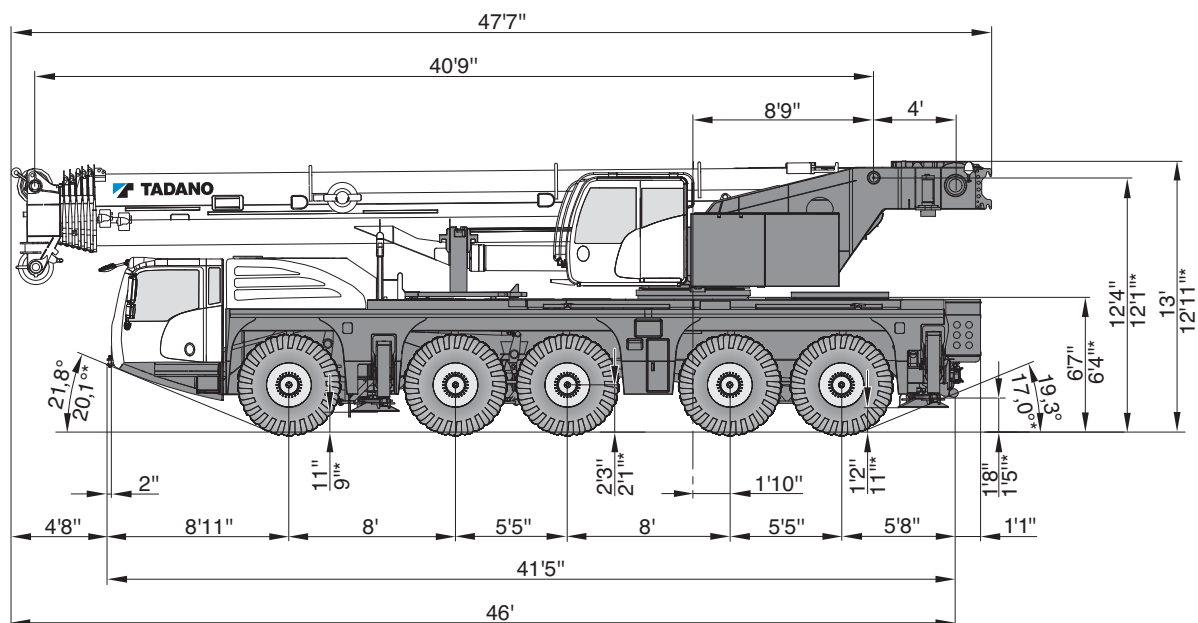


# GENERAL TECHNICAL DATA



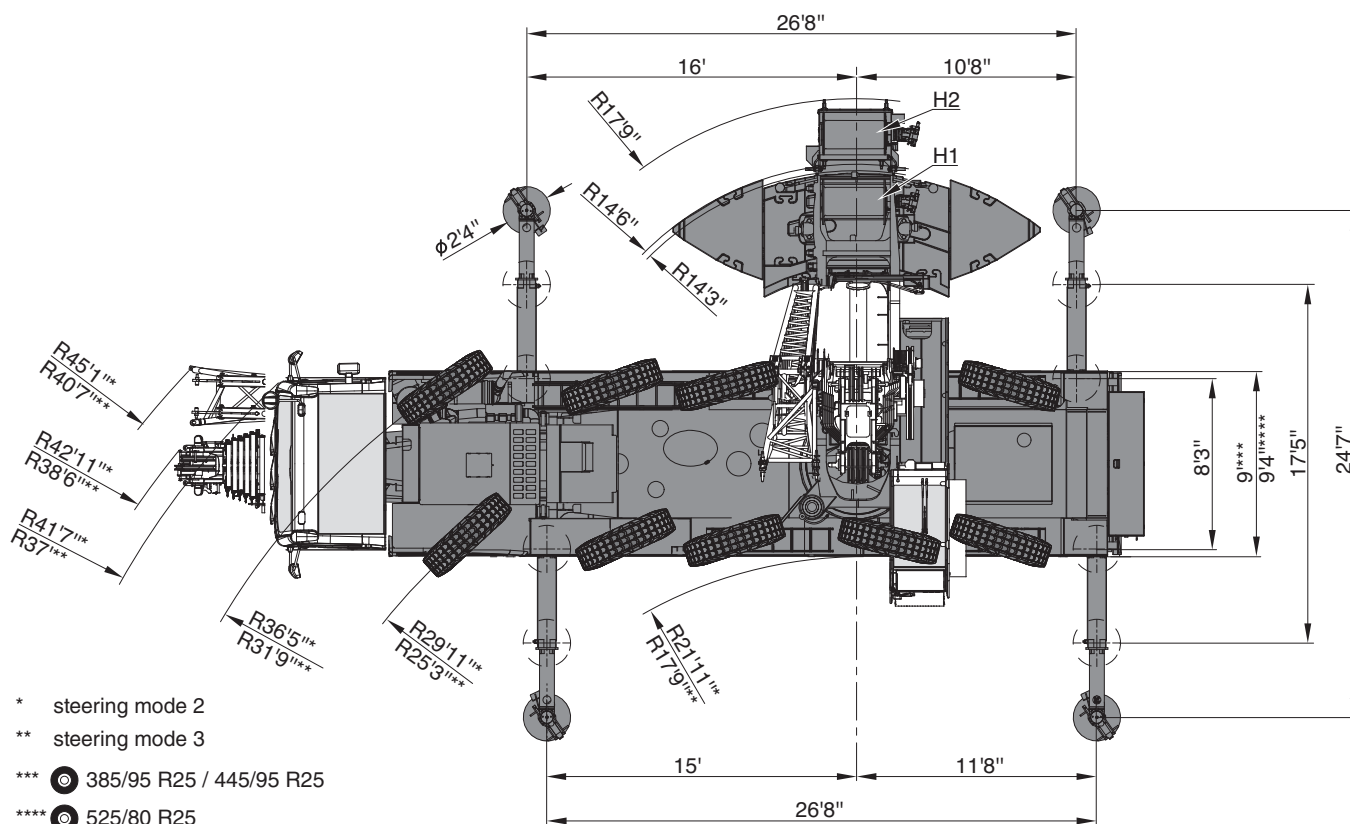
## General

## Vehicle dimensions



445/95 R25 / 525/80 R25

\* 385/95 R25



\* steering mode 2

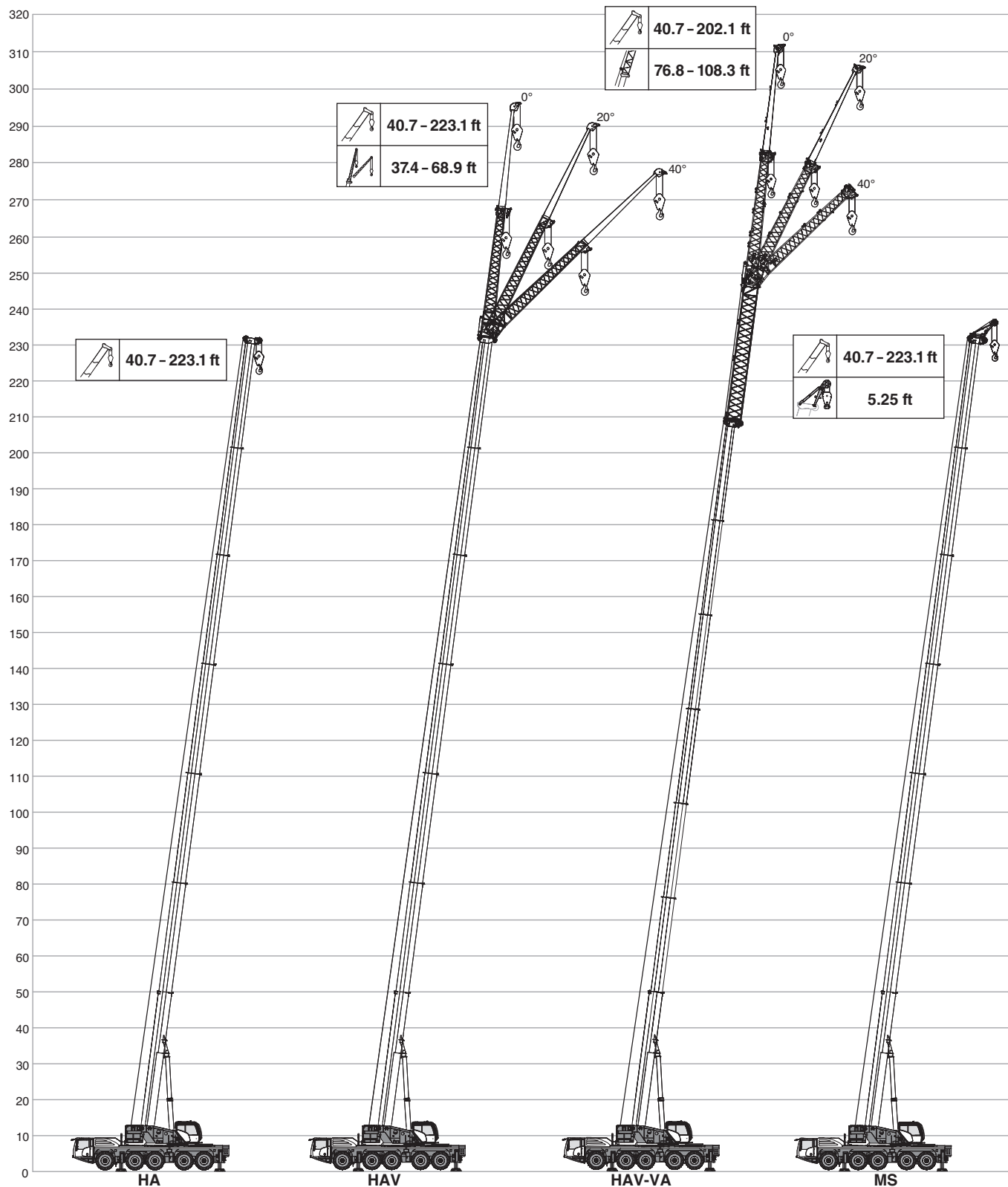
\*\* steering mode 3

\*\*\*  385/95 R25 / 445/95 R25

\*\*\*\* © 525/80 R25

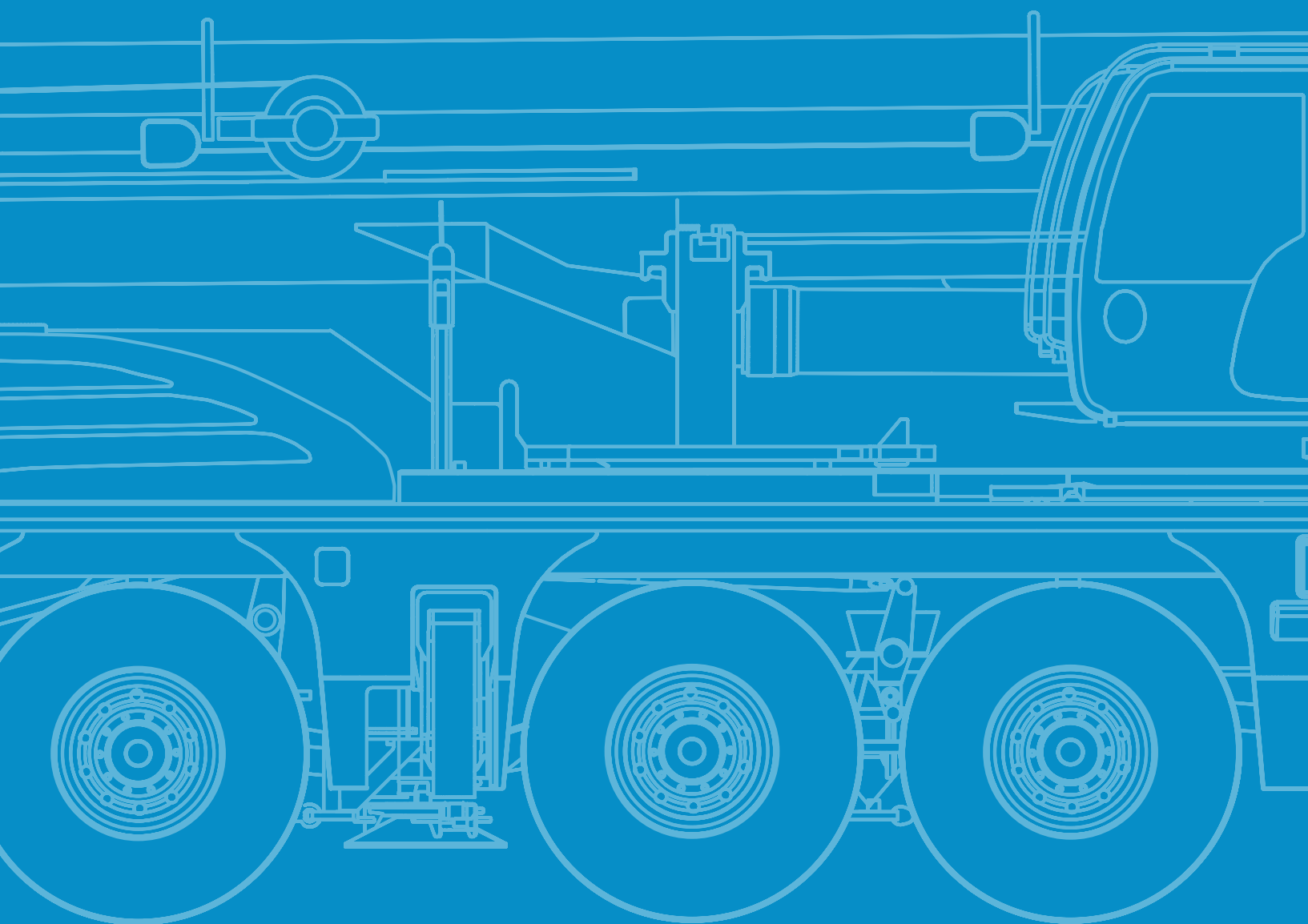
# General

## Boom combinations



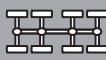
## Notes

# TECHNICAL DATA FOR ON-ROAD AND OFF-ROAD DRIVING



# On-road and off-road driving

## Axle loads

|  | Total         |  |  |  |  |  |  |  |  |
|-----------------------------------------------------------------------------------|---------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| < 20,000 lbs                                                                      | On request!   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     | X                                                                                   |
| < 18,100 lbs                                                                      | < 83,800 lbs  | 10 x 6 x 10                                                                       | 385/95R25                                                                         | —                                                                                 | —                                                                                 | 8,200 lbs                                                                          | —                                                                                   | —                                                                                   | —                                                                                   |
| < 26,500 lbs                                                                      | < 132,300 lbs | 10 x 8 x 10                                                                       | 445/95R25                                                                         | 223.1 ft                                                                          | 176,400 lbs                                                                       | 13,900 lbs                                                                         | —                                                                                   | 1,320 lbs                                                                           | —                                                                                   |
| < 26,500 lbs                                                                      | < 132,300 lbs | 10 x 8 x 10                                                                       | 445/95R25                                                                         | 223.1 ft                                                                          | 176,400 lbs                                                                       | 8,200 lbs                                                                          | 68.9 ft                                                                             | 1,430 lbs                                                                           | —                                                                                   |
| < 36,400 lbs                                                                      | < 180,800 lbs | 10 x 8 x 10                                                                       | 445/95R25                                                                         | 223.1 ft                                                                          | 176,400 lbs                                                                       | 56,000 lbs                                                                         | 68.9 ft                                                                             | 1,980 lbs                                                                           | —                                                                                   |

## Speeds and gradeability

|      | 385/95 R 25<br>14.00 R 25 | 445/95 R 25<br>16.00 R 25 | 525/80 R 25<br>20.50 R 25 |
|---------------------------------------------------------------------------------------|---------------------------|---------------------------|---------------------------|
|  %   | 48 %                      | 43 %                      | 43 %                      |
|  % | 62 %                      | 55 %                      | 55 %                      |
|    | 52.8 mph <sup>1)</sup>    |                           |                           |

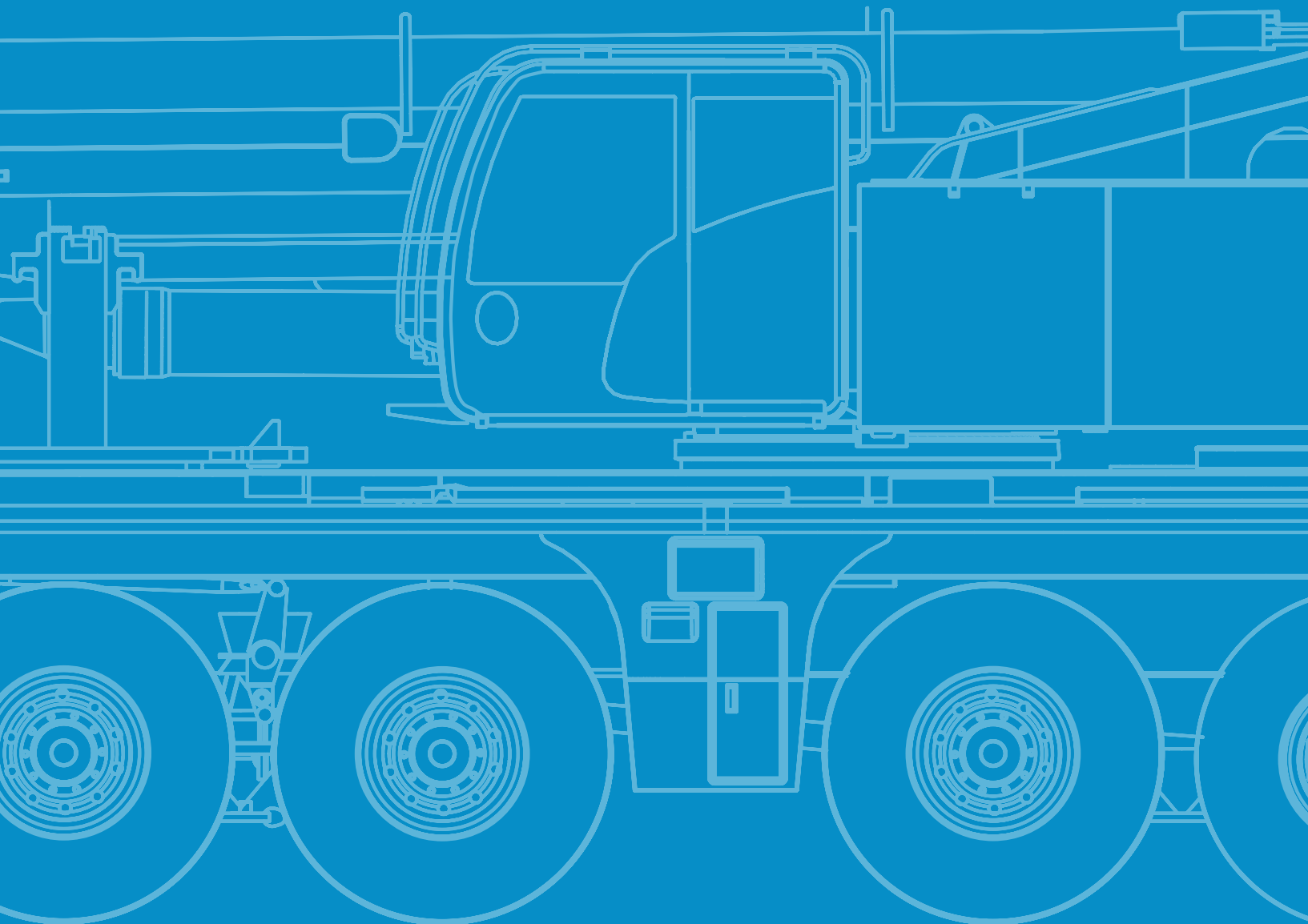
<sup>1)</sup> Depending on tire type, size and country specific legislation

## Steering

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

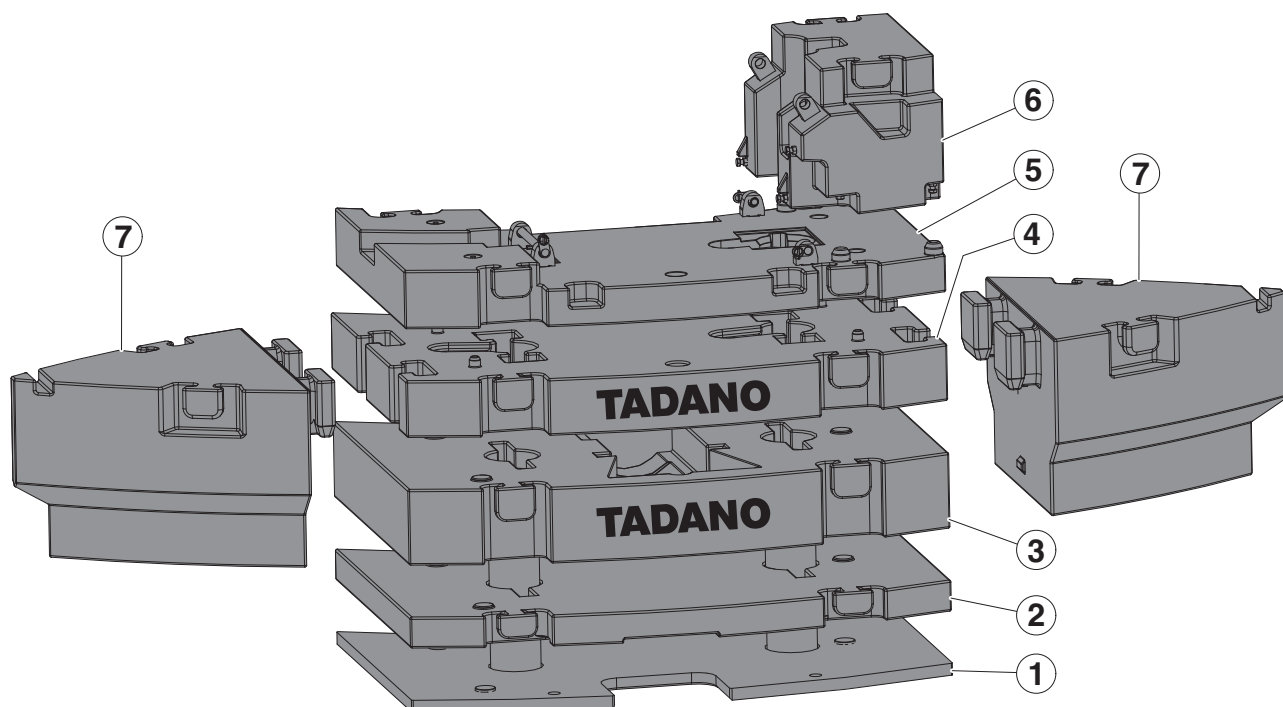
\* must be activated

# TECHNICAL DATA FOR TRANSPORT



# Transportation

## Counterweight



## Configurations

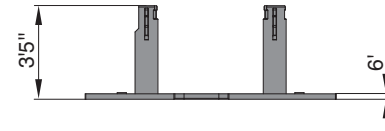
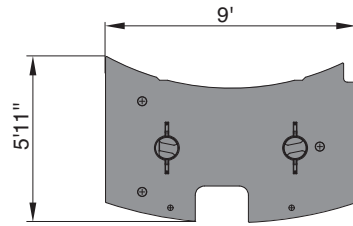
| lbs          | 5,700 | 8,200 | 13,900 | 15,200 | 19,400 | 23,400 | 25,100 | 34,600 | 36,600 | 44,800 | 52,500 | 56,000 | 60,600 | 63,700 | 71,900 | 82,000 | 90,200 | 93,300 | 101,400 |
|--------------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|
| ① 5,700 lbs  | 1     |       | 1      | 1      |        | 1      | 1      | 1      | 1      | 1      | 1      | 1      | 1      | 1      | 1      | 1      | 1      | 1      | 1       |
| ② 9,500 lbs  |       |       |        | 1      |        | 1      |        | 1      | 1      | 1      | 1      | 1      | 1      | 1      | 1      | 1      | 1      | 1      | 1       |
| ③ 21,400 lbs |       |       |        |        |        |        |        |        | 1      | 1      | 1      | 1      | 1      | 1      | 1      | 1      | 1      | 1      | 1       |
| ④ 15,900 lbs |       |       |        |        |        |        |        |        |        |        | 1      |        | 1      | 1      | 1      | 1      | 1      | 1      | 1       |
| ⑤ 11,250 lbs |       |       |        |        | 1      |        | 1      | 1      |        |        |        | 1      |        | 1      | 1      |        |        | 1      | 1       |
| ⑥ 8,200 lbs  |       | 1     | 1      |        | 1      | 1      | 1      | 1      |        | 1      |        | 1      | 1      |        | 1      |        | 1      |        | 1       |
| ⑦ 14,800 lbs |       |       |        |        |        |        |        |        |        |        |        |        |        |        |        | 1      | 1      | 1      | 1       |
| ⑦ 14,800 lbs |       |       |        |        |        |        |        |        |        |        |        |        |        |        |        | 1      | 1      | 1      | 1       |



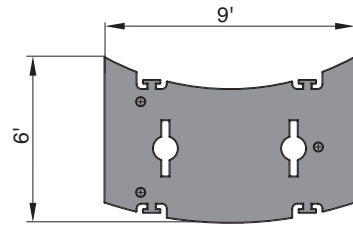
# Transportation

## Counterweight

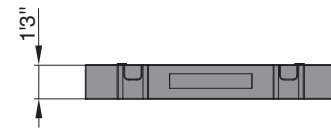
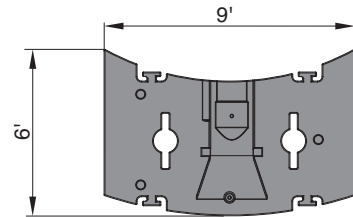
①



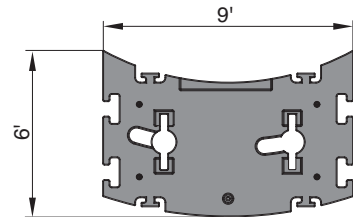
②



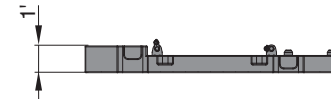
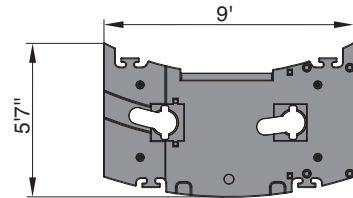
③



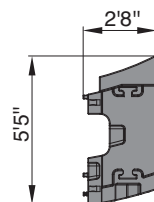
④



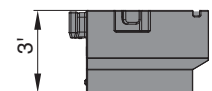
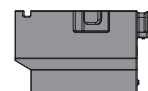
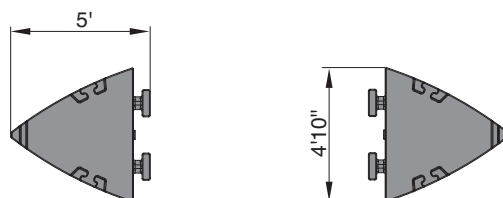
⑤



⑥



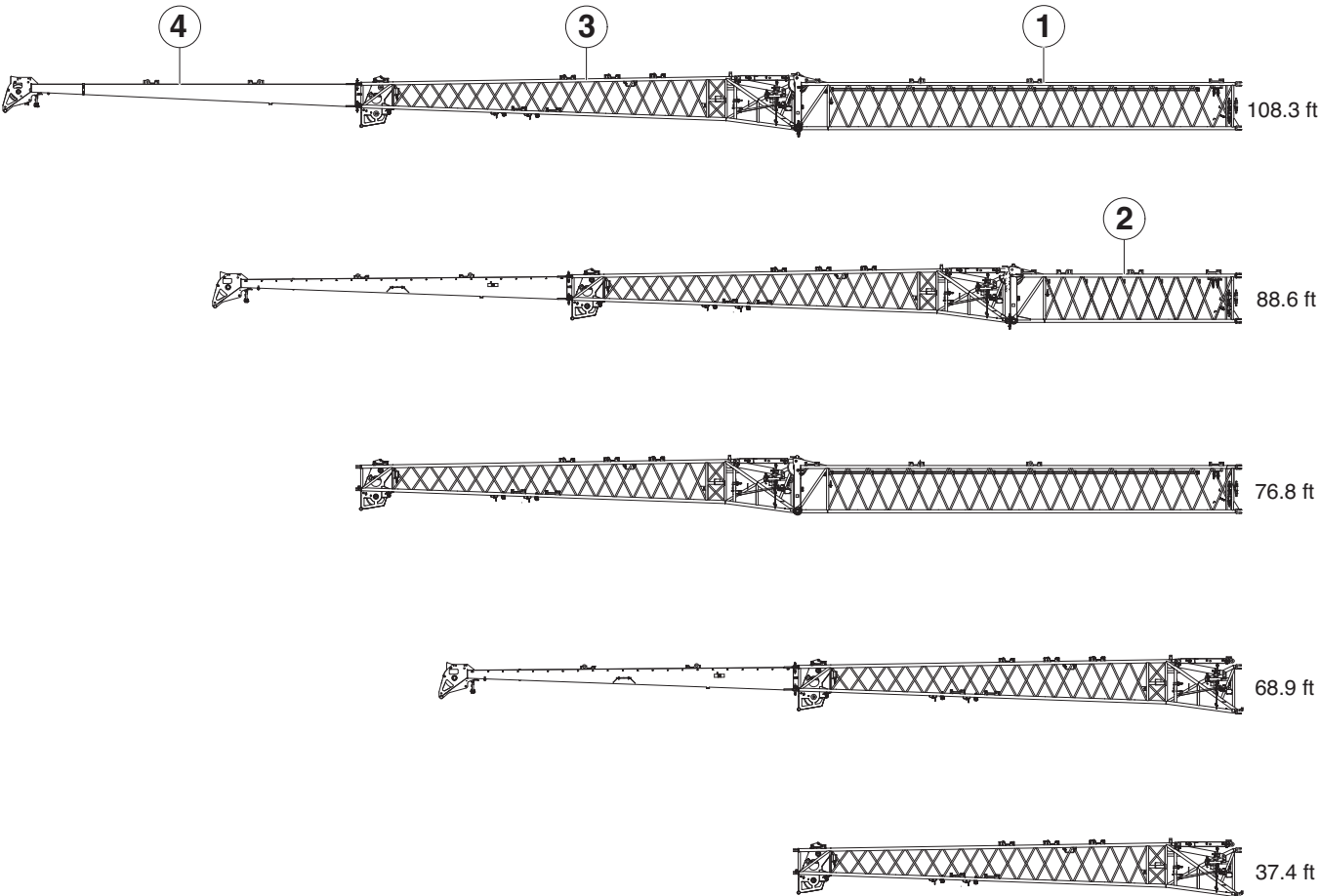
⑦



# Transportation

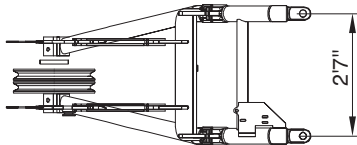
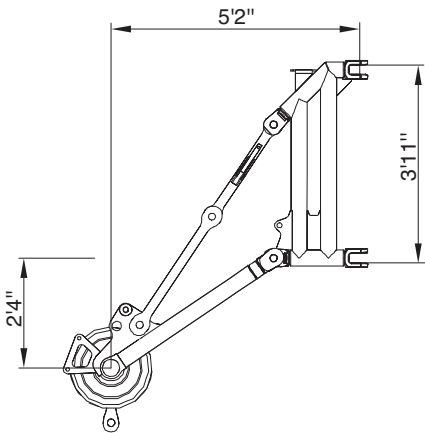
## Jib

HAV / HAV-VA



MS

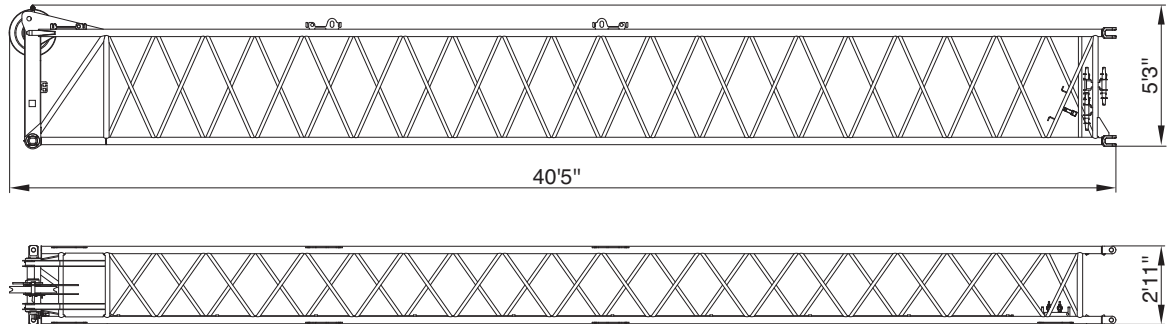
lbs  
1,000



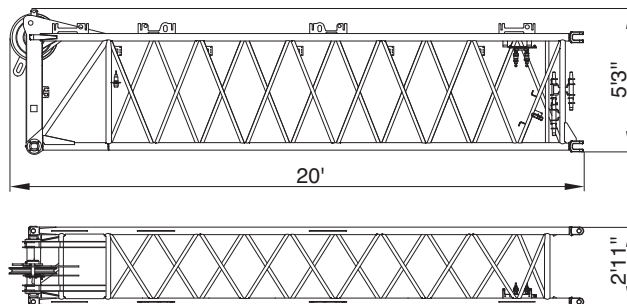
# Transportation

## Jib

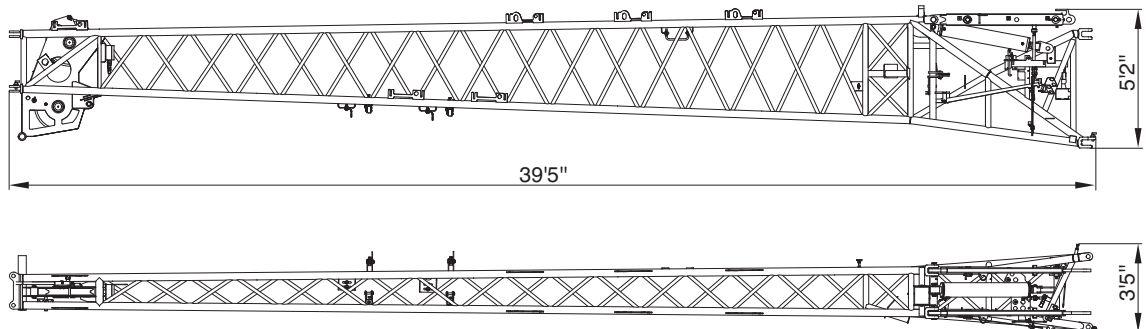
1  2,540



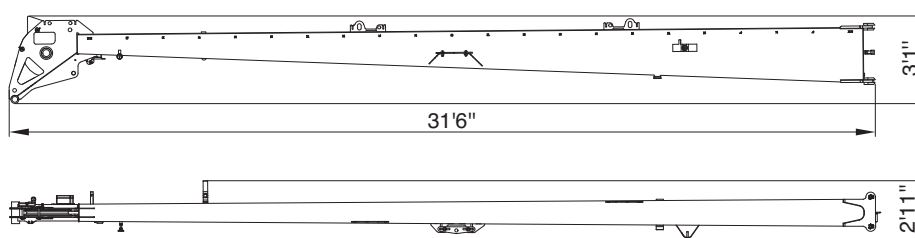
2  1,100



3  3,000 / 3,300 (HY)

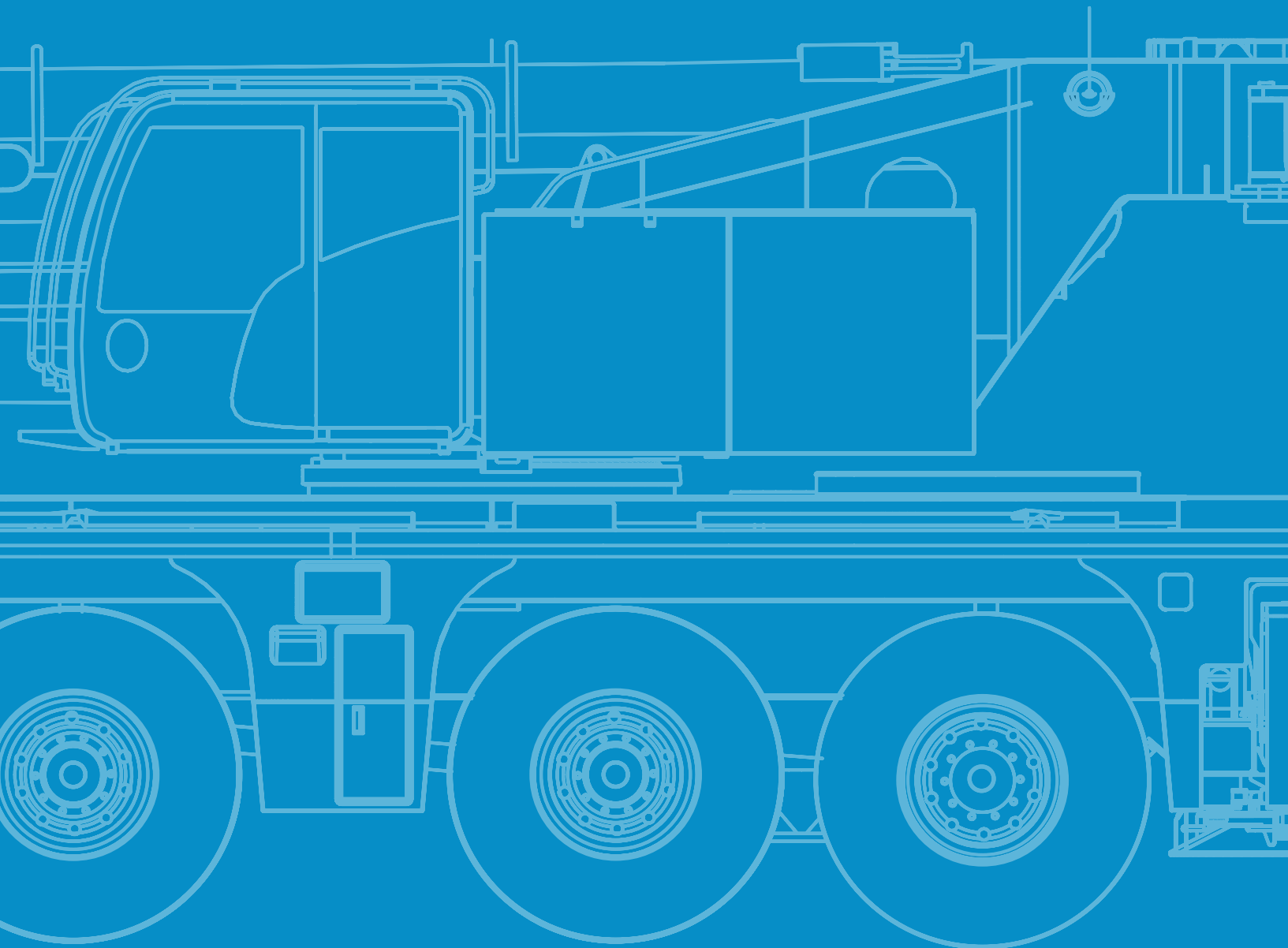


4  1,540



## Notes

# TECHNICAL DATA FOR OPERATION



## Notes

# Operation

## Main boom



approx. 516 s (40.7 - 223.1 ft)



approx. 33 s (-1,5° – 82°)

## Slewing

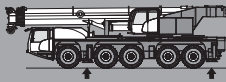


1,75 min<sup>-1</sup>

## Hoist

|   |  |  |  |  |
|---|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 1 | 394 ft/min                                                                        | 22,076 lbf                                                                        | 0.83 in                                                                             | 1083 ft                                                                             |
| 2 | 394 ft/min                                                                        | 22,076 lbf                                                                        | 0.83 in                                                                             | 1083 ft                                                                             |

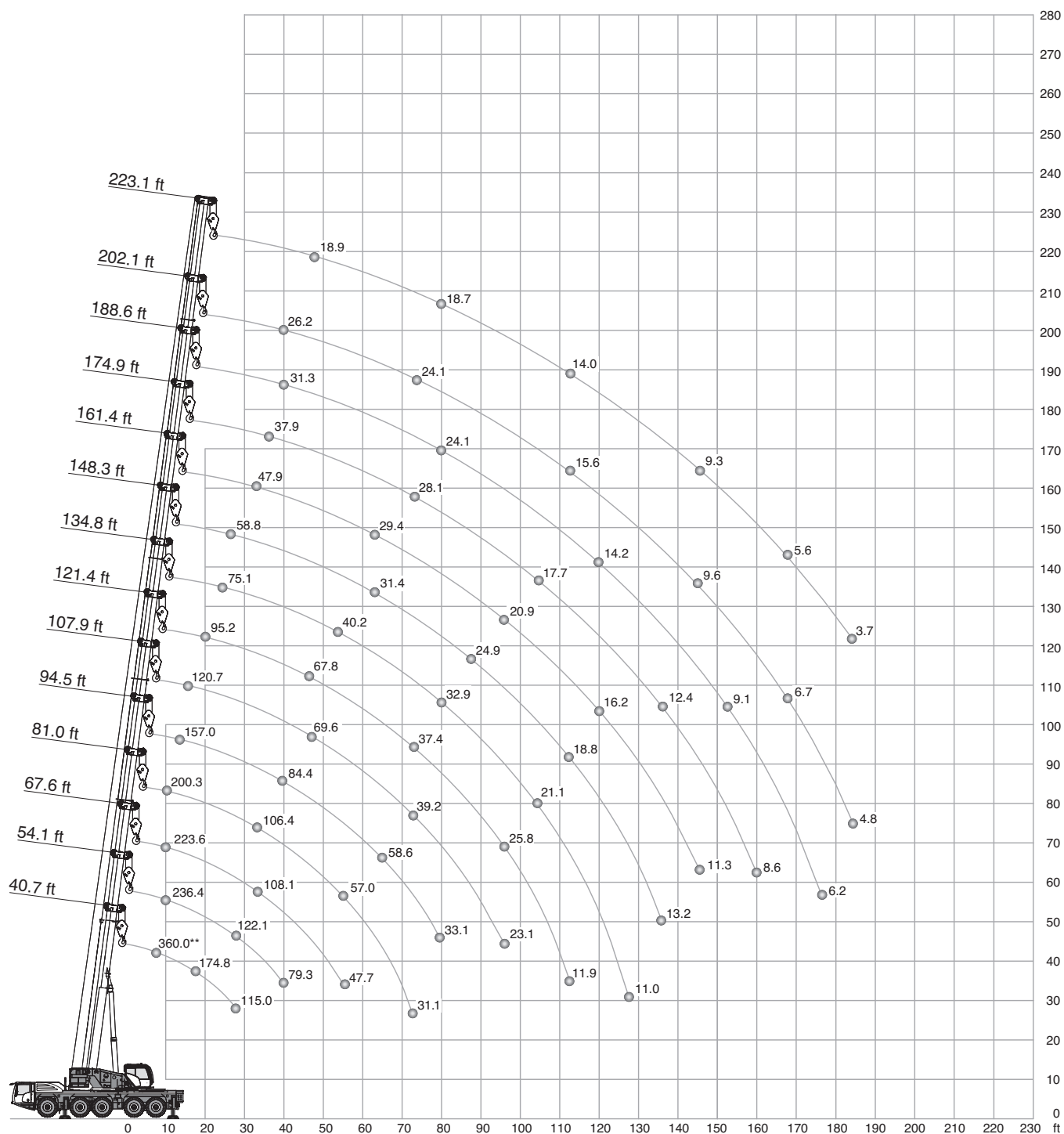
## Outrigger cylinders

|                                                                                          |  |             |
|------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-------------|
|  Max. | 163,200 lbs                                                                          | 183,000 lbs |
|       | 19.7 in                                                                              | 23 in       |

## Hook Blocks



|  |  |  |  |  |  |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 26,500 lbs                                                                          | 21,800 lbs                                                                          | —                                                                                   | 1                                                                                   | 770 lbs                                                                               | 6.6 ft                                                                                |
| 70,600 lbs                                                                          | 64,800 lbs                                                                          | 1                                                                                   | 3                                                                                   | 1,390 lbs                                                                             | 8.9 ft                                                                                |
| 176,400 lbs                                                                         | 148,400 lbs                                                                         | 3                                                                                   | 7                                                                                   | 1,870 lbs                                                                             | 9.8 ft                                                                                |
| 275,600 lbs                                                                         | 209,000 lbs                                                                         | 5                                                                                   | 10                                                                                  | 2,490 lbs                                                                             | 9.8 ft                                                                                |
| 352,800 lbs                                                                         | 248,300 lbs                                                                         | 7                                                                                   | 12                                                                                  | 3,660 lbs                                                                             | 9.8 ft                                                                                |



\*\* Max. crane capacity – with additional special equipment



|  101,400 lbs                                                                       |           |  26.70 ft x 24.60 ft |       |       |       |       |       |               | 360°  |       |       |       |       |       |       | ASME B30.5                                                                          |  |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-------------------------------------------------------------------------------------------------------|-------|-------|-------|-------|-------|---------------|-------|-------|-------|-------|-------|-------|-------|-------------------------------------------------------------------------------------|--|--|
|   | 40.7*     | 40.7                                                                                                  | 54.1  | 67.6  | 81.0  | 94.5  | 107.9 | (ft)<br>121.4 | 134.8 | 148.3 | 161.4 | 174.9 | 188.6 | 202.1 | 223.1 |  |  |  |
| ft                                                                                                                                                                  | 1,000 lbs |                                                                                                       |       |       |       |       |       |               |       |       |       |       |       |       |       | ft                                                                                  |  |  |
| 8                                                                                                                                                                   | 360.0**   | -                                                                                                     | -     | -     | -     | -     | -     | -             | -     | -     | -     | -     | -     | -     | -     | 8                                                                                   |  |  |
| 10                                                                                                                                                                  | 243.0     | 243.0                                                                                                 | 236.4 | 223.6 | 200.3 | -     | -     | -             | -     | -     | -     | -     | -     | -     | -     | 10                                                                                  |  |  |
| 12                                                                                                                                                                  | 222.1     | 222.0                                                                                                 | 215.4 | 207.8 | 196.5 | 157.0 | -     | -             | -     | -     | -     | -     | -     | -     | -     | 12                                                                                  |  |  |
| 14                                                                                                                                                                  | 204.1     | 202.7                                                                                                 | 197.8 | 192.5 | 184.0 | 157.0 | -     | -             | -     | -     | -     | -     | -     | -     | -     | 14                                                                                  |  |  |
| 16                                                                                                                                                                  | 188.3     | 185.4                                                                                                 | 182.8 | 177.6 | 172.6 | 157.0 | 120.7 | -             | -     | -     | -     | -     | -     | -     | -     | 16                                                                                  |  |  |
| 18                                                                                                                                                                  | 174.8     | 171.3                                                                                                 | 170.4 | 165.5 | 161.2 | 151.9 | 120.4 | -             | -     | -     | -     | -     | -     | -     | -     | 18                                                                                  |  |  |
| 20                                                                                                                                                                  | 162.0     | 158.1                                                                                                 | 158.6 | 154.2 | 150.0 | 145.5 | 119.9 | 95.2          | -     | -     | -     | -     | -     | -     | -     | 20                                                                                  |  |  |
| 24                                                                                                                                                                  | 139.1     | 137.0                                                                                                 | 138.6 | 136.2 | 132.3 | 130.8 | 113.6 | 94.8          | 75.1  | -     | -     | -     | -     | -     | -     | 24                                                                                  |  |  |
| 28                                                                                                                                                                  | 115.0     | 115.0                                                                                                 | 122.1 | 121.7 | 118.0 | 116.8 | 106.2 | 92.3          | 72.4  | 58.8  | -     | -     | -     | -     | -     | 28                                                                                  |  |  |
| 32                                                                                                                                                                  | -         | -                                                                                                     | 108.1 | 108.1 | 106.4 | 105.5 | 98.0  | 88.9          | 68.5  | 57.5  | 47.9  | -     | -     | -     | -     | 32                                                                                  |  |  |
| 36                                                                                                                                                                  | -         | -                                                                                                     | 95.8  | 95.7  | 95.0  | 95.0  | 92.0  | 83.8          | 64.4  | 55.3  | 46.7  | 37.9  | -     | -     | -     | 36                                                                                  |  |  |
| 40                                                                                                                                                                  | -         | -                                                                                                     | 79.3  | 84.2  | 85.7  | 84.8  | 85.5  | 78.4          | 60.2  | 52.7  | 45.4  | 37.7  | 31.3  | 26.2  | -     | 40                                                                                  |  |  |
| 48                                                                                                                                                                  | -         | -                                                                                                     | -     | 69.3  | 69.1  | 68.5  | 69.6  | 67.8          | 52.1  | 46.8  | 41.7  | 36.9  | 31.0  | 25.8  | 18.9  | 48                                                                                  |  |  |
| 56                                                                                                                                                                  | -         | -                                                                                                     | -     | 47.7  | 57.0  | 58.6  | 57.6  | 56.0          | 44.8  | 41.1  | 37.5  | 34.4  | 30.2  | 25.8  | 18.7  | 56                                                                                  |  |  |
| 64                                                                                                                                                                  | -         | -                                                                                                     | -     | -     | 47.4  | 48.7  | 47.4  | 45.7          | 40.2  | 35.9  | 33.2  | 31.3  | 28.5  | 25.3  | 18.7  | 64                                                                                  |  |  |
| 72                                                                                                                                                                  | -         | -                                                                                                     | -     | -     | 31.1  | 40.5  | 39.2  | 37.4          | 36.7  | 31.4  | 29.4  | 28.1  | 26.5  | 24.1  | 18.7  | 72                                                                                  |  |  |
| 80                                                                                                                                                                  | -         | -                                                                                                     | -     | -     | -     | 33.1  | 33.2  | 31.6          | 32.9  | 27.7  | 26.0  | 24.9  | 24.1  | 22.5  | 18.7  | 80                                                                                  |  |  |
| 88                                                                                                                                                                  | -         | -                                                                                                     | -     | -     | -     | -     | 28.5  | 28.9          | 28.2  | 24.9  | 23.1  | 22.1  | 21.7  | 20.8  | 17.9  | 88                                                                                  |  |  |
| 96                                                                                                                                                                  | -         | -                                                                                                     | -     | -     | -     | -     | 23.1  | 25.8          | 24.3  | 23.1  | 20.9  | 19.8  | 19.4  | 19.0  | 16.9  | 96                                                                                  |  |  |
| 104                                                                                                                                                                 | -         | -                                                                                                     | -     | -     | -     | -     | -     | 22.6          | 21.1  | 21.4  | 19.0  | 17.7  | 17.4  | 17.2  | 15.6  | 104                                                                                 |  |  |
| 112                                                                                                                                                                 | -         | -                                                                                                     | -     | -     | -     | -     | -     | 11.9          | 18.5  | 18.8  | 17.4  | 16.0  | 15.6  | 15.6  | 14.0  | 112                                                                                 |  |  |
| 120                                                                                                                                                                 | -         | -                                                                                                     | -     | -     | -     | -     | -     | -             | 17.0  | 16.5  | 16.2  | 14.7  | 14.2  | 14.2  | 12.7  | 120                                                                                 |  |  |
| 128                                                                                                                                                                 | -         | -                                                                                                     | -     | -     | -     | -     | -     | -             | 11.0  | 14.4  | 14.6  | 13.7  | 13.0  | 12.8  | 11.5  | 128                                                                                 |  |  |
| 136                                                                                                                                                                 | -         | -                                                                                                     | -     | -     | -     | -     | -     | -             | -     | 13.2  | 12.9  | 12.4  | 11.9  | 11.2  | 10.4  | 136                                                                                 |  |  |
| 144                                                                                                                                                                 | -         | -                                                                                                     | -     | -     | -     | -     | -     | -             | -     | -     | 11.3  | 11.1  | 10.4  | 9.6   | 9.3   | 144                                                                                 |  |  |
| 152                                                                                                                                                                 | -         | -                                                                                                     | -     | -     | -     | -     | -     | -             | -     | -     | -     | 9.6   | 9.1   | 8.7   | 8.0   | 152                                                                                 |  |  |
| 160                                                                                                                                                                 | -         | -                                                                                                     | -     | -     | -     | -     | -     | -             | -     | -     | -     | 8.6   | 7.8   | 7.8   | 6.7   | 160                                                                                 |  |  |
| 168                                                                                                                                                                 | -         | -                                                                                                     | -     | -     | -     | -     | -     | -             | -     | -     | -     | -     | 6.7   | 6.7   | 5.6   | 168                                                                                 |  |  |
| 176                                                                                                                                                                 | -         | -                                                                                                     | -     | -     | -     | -     | -     | -             | -     | -     | -     | -     | 6.2   | 5.7   | 4.6   | 176                                                                                 |  |  |
| 184                                                                                                                                                                 | -         | -                                                                                                     | -     | -     | -     | -     | -     | -             | -     | -     | -     | -     | -     | 4.8   | 3.7   | 184                                                                                 |  |  |
| 1)                                                                                                                                                                  | 45.0      | 45.0                                                                                                  | 32.8  | 25.6  | 20.3  | 16.5  | 13.2  | 10.6          | 7.9   | 6.0   | 4.9   | 2.9   | -     | -     | -     | 1)                                                                                  |  |  |

1) Capacities with horizontal boom

\* over rear

\*\* Max. crane capacity – with additional special equipment

|  71,900 lbs |                |  26.70 ft x 24.60 ft |                |                |                |                |                |                |                | 360° / Max.*   |                 |                 |                 | ASME B30.5      |                                                                                     |     |  |
|----------------------------------------------------------------------------------------------|----------------|-------------------------------------------------------------------------------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|-----------------|-----------------|-----------------|-----------------|-------------------------------------------------------------------------------------|-----|--|
|             | 360°<br>40.7ft | Max.<br>40.7ft                                                                                        | 360°<br>54.1ft | Max.<br>54.1ft | 360°<br>67.6ft | Max.<br>67.6ft | 360°<br>81.0ft | Max.<br>81.0ft | 360°<br>94.5ft | Max.<br>94.5ft | 360°<br>107.9ft | Max.<br>107.9ft | 360°<br>121.4ft | Max.<br>121.4ft |  |     |  |
| ft                                                                                           | 1,000 lbs      |                                                                                                       |                |                |                |                |                |                |                |                |                 |                 |                 |                 |                                                                                     | ft  |  |
| 10                                                                                           | 242.9          | 243.0                                                                                                 | 236.4          | 236.4          | 223.6          | 223.6          | 200.3          | 200.3          | -              | -              | -               | -               | -               | -               | -                                                                                   | 10  |  |
| 12                                                                                           | 220.6          | 222.0                                                                                                 | 215.4          | 215.4          | 207.8          | 207.8          | 196.5          | 196.5          | 157.0          | 157.0          | -               | -               | -               | -               | -                                                                                   | 12  |  |
| 14                                                                                           | 200.9          | 202.7                                                                                                 | 197.8          | 197.8          | 192.5          | 192.5          | 184.0          | 184.0          | 157.0          | 157.0          | -               | -               | -               | -               | -                                                                                   | 14  |  |
| 16                                                                                           | 183.6          | 185.4                                                                                                 | 182.8          | 182.8          | 177.6          | 177.7          | 172.6          | 172.6          | 157.0          | 157.0          | 120.7           | 120.7           | -               | -               | -                                                                                   | 16  |  |
| 18                                                                                           | 169.5          | 171.3                                                                                                 | 169.9          | 170.4          | 165.5          | 165.5          | 161.2          | 161.2          | 151.9          | 151.9          | 120.4           | 120.4           | -               | -               | -                                                                                   | 18  |  |
| 20                                                                                           | 156.4          | 158.1                                                                                                 | 157.7          | 158.6          | 154.2          | 154.2          | 150.0          | 150.0          | 145.5          | 145.5          | 119.9           | 119.9           | 95.2            | 95.2            | -                                                                                   | 20  |  |
| 24                                                                                           | 134.9          | 136.3                                                                                                 | 136.4          | 137.9          | 135.4          | 135.8          | 132.3          | 132.3          | 130.8          | 130.8          | 113.6           | 113.6           | 94.8            | 94.8            | -                                                                                   | 24  |  |
| 28                                                                                           | 113.3          | 114.1                                                                                                 | 116.8          | 117.5          | 117.0          | 117.4          | 116.3          | 116.3          | 116.1          | 116.1          | 106.2           | 106.2           | 92.3            | 92.3            | -                                                                                   | 28  |  |
| 32                                                                                           | -              | -                                                                                                     | 101.1          | 101.1          | 100.4          | 100.4          | 101.9          | 101.9          | 100.9          | 100.9          | 98.0            | 98.0            | 88.9            | 88.9            | -                                                                                   | 32  |  |
| 36                                                                                           | -              | -                                                                                                     | 88.8           | 88.9           | 87.6           | 87.8           | 89.3           | 89.3           | 88.1           | 88.3           | 88.7            | 88.7            | 82.1            | 83.6            | -                                                                                   | 36  |  |
| 40                                                                                           | -              | -                                                                                                     | 69.6           | 72.3           | 78.1           | 78.5           | 77.6           | 78.1           | 78.8           | 79.2           | 78.5            | 78.7            | 74.1            | 77.4            | -                                                                                   | 40  |  |
| 48                                                                                           | -              | -                                                                                                     | -              | -              | 57.9           | 63.2           | 59.8           | 62.8           | 59.6           | 64.3           | 58.3            | 63.4            | 56.2            | 62.1            | -                                                                                   | 48  |  |
| 56                                                                                           | -              | -                                                                                                     | -              | -              | 37.5           | 45.1           | 47.1           | 53.4           | 46.4           | 53.4           | 45.2            | 52.3            | 43.3            | 50.8            | -                                                                                   | 56  |  |
| 64                                                                                           | -              | -                                                                                                     | -              | -              | -              | -              | 38.0           | 44.8           | 37.3           | 44.2           | 36.2            | 43.1            | 36.9            | 41.5            | -                                                                                   | 64  |  |
| 72                                                                                           | -              | -                                                                                                     | -              | -              | -              | -              | 28.7           | 30.1           | 30.8           | 36.8           | 31.6            | 35.7            | 31.0            | 34.2            | -                                                                                   | 72  |  |
| 80                                                                                           | -              | -                                                                                                     | -              | -              | -              | -              | -              | -              | 26.4           | 30.4           | 27.1            | 30.1            | 26.0            | 31.1            | -                                                                                   | 80  |  |
| 88                                                                                           | -              | -                                                                                                     | -              | -              | -              | -              | -              | -              | -              | -              | 23.3            | 26.8            | 22.1            | 27.1            | -                                                                                   | 88  |  |
| 96                                                                                           | -              | -                                                                                                     | -              | -              | -              | -              | -              | -              | -              | -              | 20.1            | 23.1            | 19.2            | 23.5            | -                                                                                   | 96  |  |
| 104                                                                                          | -              | -                                                                                                     | -              | -              | -              | -              | -              | -              | -              | -              | -               | -               | 17.8            | 20.6            | -                                                                                   | 104 |  |
| 112                                                                                          | -              | -                                                                                                     | -              | -              | -              | -              | -              | -              | -              | -              | -               | -               | 11.9            | 11.9            | -                                                                                   | 112 |  |
| 1)                                                                                           | 45.0           | 45.0                                                                                                  | 32.8           | 32.8           | 25.6           | 25.6           | 20.3           | 20.3           | 16.5           | 16.5           | 13.2            | 13.2            | 10.6            | 10.6            | 1)                                                                                  |     |  |

|  | 360°<br>134.8 ft | Max.<br>134.8 ft | 360°<br>148.3 ft | Max.<br>148.3 ft | 360°<br>161.4 ft | Max.<br>161.4 ft | 360°<br>174.9 ft | Max.<br>174.9 ft | 360°<br>188.6 ft | Max.<br>188.6 ft | 360°<br>202.1 ft | Max.<br>202.1 ft | 360°<br>223.1 ft | Max.<br>223.1 ft |  |    |
|------------------------------------------------------------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|--------------------------------------------------------------------------------------|----|
| ft                                                                                 | 1,000 lbs        |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                                                                                      | ft |
| 24                                                                                 | 75.1             | 75.1             | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                | 24                                                                                   |    |
| 28                                                                                 | 72.4             | 72.4             | 58.8             | 58.8             | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                | 28                                                                                   |    |
| 32                                                                                 | 68.5             | 68.6             | 57.5             | 57.5             | 47.9             | 47.9             | -                | -                | -                | -                | -                | -                | -                | -                | 32                                                                                   |    |
| 36                                                                                 | 64.4             | 64.4             | 55.3             | 55.3             | 46.7             | 46.7             | 37.9             | 37.9             | -                | -                | -                | -                | -                | -                | 36                                                                                   |    |
| 40                                                                                 | 60.2             | 60.2             | 52.7             | 52.7             | 45.4             | 45.4             | 37.7             | 37.7             | 31.3             | 31.3             | 26.2             | 26.2             | -                | -                | 40                                                                                   |    |
| 48                                                                                 | 51.7             | 52.1             | 46.8             | 46.8             | 41.7             | 41.7             | 36.9             | 36.9             | 31.0             | 31.0             | 25.8             | 25.8             | 18.9             | 18.9             | 48                                                                                   |    |
| 56                                                                                 | 43.6             | 44.8             | 40.4             | 41.1             | 37.5             | 37.5             | 34.4             | 34.4             | 30.2             | 30.2             | 25.8             | 25.8             | 18.7             | 18.7             | 56                                                                                   |    |
| 64                                                                                 | 36.0             | 40.2             | 33.6             | 35.9             | 32.4             | 33.2             | 31.3             | 31.3             | 28.5             | 28.5             | 25.3             | 25.3             | 18.7             | 18.7             | 64                                                                                   |    |
| 72                                                                                 | 29.2             | 35.4             | 29.4             | 31.4             | 27.9             | 29.4             | 27.0             | 28.1             | 26.5             | 26.5             | 24.1             | 24.1             | 18.7             | 18.7             | 72                                                                                   |    |
| 80                                                                                 | 25.0             | 29.9             | 25.1             | 27.5             | 23.5             | 26.0             | 23.6             | 24.9             | 22.9             | 24.1             | 22.4             | 22.5             | 18.7             | 18.7             | 80                                                                                   |    |
| 88                                                                                 | 22.5             | 25.6             | 21.1             | 24.9             | 21.3             | 23.0             | 20.7             | 22.1             | 20.3             | 21.7             | 19.7             | 20.8             | 17.9             | 17.9             | 88                                                                                   |    |
| 96                                                                                 | 19.6             | 22.1             | 18.8             | 22.5             | 18.2             | 20.6             | 18.0             | 19.7             | 17.3             | 19.4             | 16.6             | 19.0             | 15.9             | 16.9             | 96                                                                                   |    |
| 104                                                                                | 16.9             | 19.6             | 16.8             | 19.7             | 15.9             | 18.5             | 15.7             | 17.6             | 14.4             | 17.4             | 14.6             | 17.2             | 13.3             | 15.6             | 104                                                                                  |    |
| 112                                                                                | 14.7             | 18.4             | 14.4             | 17.1             | 14.2             | 17.3             | 13.3             | 16.0             | 12.7             | 15.6             | 12.2             | 15.5             | 11.1             | 14.0             | 112                                                                                  |    |
| 120                                                                                | 13.5             | 16.5             | 12.6             | 15.0             | 12.2             | 15.2             | 11.9             | 14.7             | 11.5             | 14.2             | 10.2             | 13.7             | 9.1              | 12.7             | 120                                                                                  |    |
| 128                                                                                | 11.0             | 11.0             | 11.3             | 14.0             | 10.6             | 13.3             | 10.6             | 13.1             | 9.7              | 12.6             | 8.6              | 11.8             | 7.5              | 11.5             | 128                                                                                  |    |
| 136                                                                                | -                | -                | 10.0             | 13.0             | 9.1              | 11.8             | 9.1              | 11.4             | 8.2              | 10.9             | 7.1              | 10.4             | 6.0              | 10.1             | 136                                                                                  |    |
| 144                                                                                | -                | -                | -                | -                | 8.4              | 10.8             | 7.8              | 10.0             | 6.9              | 9.5              | 5.8              | 9.5              | 4.7              | 8.4              | 144                                                                                  |    |
| 152                                                                                | -                | -                | -                | -                | -                | -                | 6.7              | 9.2              | 5.8              | 8.2              | 4.7              | 8.2              | 3.6              | 7.3              | 152                                                                                  |    |
| 160                                                                                | -                | -                | -                | -                | -                | -                | 5.7              | 8.3              | 4.8              | 7.2              | 3.6              | 7.2              | -                | 6.1              | 160                                                                                  |    |
| 168                                                                                | -                | -                | -                | -                | -                | -                | -                | -                | 4.0              | 6.6              | -                | 6.1              | -                | 5.0              | 168                                                                                  |    |
| 176                                                                                | -                | -                | -                | -                | -                | -                | -                | -                | 3.2              | 6.2              | -                | 5.2              | -                | 4.1              | 176                                                                                  |    |
| 184                                                                                | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                | 4.4              | -                | 3.4              | 184                                                                                  |    |
| 1)                                                                                 | 7.9              | 7.9              | 6.0              | 6.0              | 4.9              | 4.9              | 2.9              | 2.9              | -                | -                | -                | -                | -                | -                | 1)                                                                                   |    |

1) Capacities with horizontal boom

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

|  56,000 lbs      |                 |  26.70 ft x 24.60 ft |                 |                 |                 |                 |                 |                 |                 | 360° / Max.*     |                  |                  |                  | ASME B30.5                                                                          |     |  |  |
|---------------------------------------------------------------------------------------------------|-----------------|-------------------------------------------------------------------------------------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|------------------|------------------|------------------|------------------|-------------------------------------------------------------------------------------|-----|--|--|
|  360°<br>40.7 ft | Max.<br>40.7 ft | 360°<br>54.1 ft                                                                                       | Max.<br>54.1 ft | 360°<br>67.6 ft | Max.<br>67.6 ft | 360°<br>81.0 ft | Max.<br>81.0 ft | 360°<br>94.5 ft | Max.<br>94.5 ft | 360°<br>107.9 ft | Max.<br>107.9 ft | 360°<br>121.4 ft | Max.<br>121.4 ft |  |     |  |  |
| ft                                                                                                | 1,000 lbs       |                                                                                                       |                 |                 |                 |                 |                 |                 |                 |                  |                  |                  |                  | ft                                                                                  |     |  |  |
| 10                                                                                                | 242.8           | 243.0                                                                                                 | 236.4           | 236.4           | 223.6           | 223.6           | 200.3           | 200.3           | -               | -                | -                | -                | -                | -                                                                                   | 10  |  |  |
| 12                                                                                                | 219.5           | 222.0                                                                                                 | 215.4           | 215.4           | 207.8           | 207.8           | 196.5           | 196.5           | 157.0           | 157.0            | -                | -                | -                | -                                                                                   | 12  |  |  |
| 14                                                                                                | 199.8           | 202.7                                                                                                 | 197.8           | 197.8           | 192.5           | 192.5           | 184.0           | 184.0           | 157.0           | 157.0            | -                | -                | -                | -                                                                                   | 14  |  |  |
| 16                                                                                                | 182.7           | 185.4                                                                                                 | 182.8           | 182.8           | 177.6           | 177.7           | 172.6           | 172.6           | 157.0           | 157.0            | 120.7            | 120.7            | -                | -                                                                                   | 16  |  |  |
| 18                                                                                                | 168.7           | 171.3                                                                                                 | 169.5           | 170.4           | 165.5           | 165.5           | 161.2           | 161.2           | 151.9           | 151.9            | 120.4            | 120.4            | -                | -                                                                                   | 18  |  |  |
| 20                                                                                                | 155.4           | 157.8                                                                                                 | 156.5           | 158.4           | 154.0           | 154.2           | 150.0           | 150.0           | 145.5           | 145.5            | 119.9            | 119.9            | 95.2             | 95.2                                                                                | 20  |  |  |
| 24                                                                                                | 130.3           | 132.3                                                                                                 | 132.2           | 134.0           | 132.5           | 133.9           | 130.8           | 130.9           | 130.3           | 130.3            | 113.6            | 113.6            | 94.8             | 94.8                                                                                | 24  |  |  |
| 28                                                                                                | 110.1           | 110.4                                                                                                 | 111.7           | 111.9           | 111.8           | 111.9           | 113.4           | 113.4           | 112.0           | 112.4            | 102.9            | 106.2            | 92.3             | 92.3                                                                                | 28  |  |  |
| 32                                                                                                | -               | -                                                                                                     | 96.6            | 96.6            | 96.3            | 96.3            | 97.0            | 97.0            | 93.9            | 95.9             | 91.8             | 96.0             | 84.4             | 88.9                                                                                | 32  |  |  |
| 36                                                                                                | -               | -                                                                                                     | 80.9            | 84.7            | 81.8            | 85.2            | 81.4            | 85.0            | 81.8            | 85.0             | 79.4             | 85.7             | 73.5             | 81.6                                                                                | 36  |  |  |
| 40                                                                                                | -               | -                                                                                                     | 58.5            | 68.9            | 67.0            | 74.6            | 69.9            | 74.4            | 69.0            | 75.9             | 67.7             | 75.0             | 63.1             | 73.5                                                                                | 40  |  |  |
| 48                                                                                                | -               | -                                                                                                     | -               | -               | 51.5            | 60.1            | 51.7            | 60.9            | 51.1            | 61.2             | 49.7             | 60.2             | 47.8             | 58.9                                                                                | 48  |  |  |
| 56                                                                                                | -               | -                                                                                                     | -               | -               | 30.5            | 43.7            | 40.2            | 51.1            | 39.5            | 50.7             | 38.7             | 49.7             | 39.6             | 48.4                                                                                | 56  |  |  |
| 64                                                                                                | -               | -                                                                                                     | -               | -               | -               | -               | 32.3            | 43.3            | 31.6            | 42.7             | 32.9             | 41.8             | 31.8             | 40.5                                                                                | 64  |  |  |
| 72                                                                                                | -               | -                                                                                                     | -               | -               | -               | -               | 26.6            | 29.7            | 27.6            | 36.7             | 27.0             | 35.6             | 25.9             | 34.2                                                                                | 72  |  |  |
| 80                                                                                                | -               | -                                                                                                     | -               | -               | -               | -               | -               | -               | 23.5            | 30.4             | 22.8             | 30.1             | 22.9             | 31.1                                                                                | 80  |  |  |
| 88                                                                                                | -               | -                                                                                                     | -               | -               | -               | -               | -               | -               | -               | -                | 19.3             | 26.8             | 19.9             | 27.1                                                                                | 88  |  |  |
| 96                                                                                                | -               | -                                                                                                     | -               | -               | -               | -               | -               | -               | -               | -                | 17.4             | 23.1             | 16.9             | 23.5                                                                                | 96  |  |  |
| 104                                                                                               | -               | -                                                                                                     | -               | -               | -               | -               | -               | -               | -               | -                | -                | -                | 14.6             | 20.6                                                                                | 104 |  |  |
| 112                                                                                               | -               | -                                                                                                     | -               | -               | -               | -               | -               | -               | -               | -                | -                | -                | 11.9             | 11.9                                                                                | 112 |  |  |
| 1)                                                                                                | 45.0            | 45.0                                                                                                  | 32.8            | 32.8            | 25.6            | 25.6            | 20.3            | 20.3            | 16.5            | 16.5             | 13.2             | 13.2             | 10.6             | 10.6                                                                                | 1)  |  |  |

|  360°<br>134.8 ft | Max.<br>134.8 ft | 360°<br>148.3 ft | Max.<br>148.3 ft | 360°<br>161.4 ft | Max.<br>161.4 ft | 360°<br>174.9 ft | Max.<br>174.9 ft | 360°<br>188.6 ft | Max.<br>188.6 ft | 360°<br>202.1 ft | Max.<br>202.1 ft | 360°<br>223.1 ft | Max.<br>223.1 ft |  |
|-----------------------------------------------------------------------------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|--------------------------------------------------------------------------------------|
| ft                                                                                                  | 1,000 lbs        |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | ft                                                                                   |
| 24                                                                                                  | 75.1             | 75.1             | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                | 24                                                                                   |
| 28                                                                                                  | 72.4             | 72.4             | 58.8             | 58.8             | -                | -                | -                | -                | -                | -                | -                | -                | -                | 28                                                                                   |
| 32                                                                                                  | 68.5             | 68.6             | 57.5             | 57.5             | 47.9             | 47.9             | -                | -                | -                | -                | -                | -                | -                | 32                                                                                   |
| 36                                                                                                  | 64.4             | 64.4             | 55.3             | 55.3             | 46.7             | 46.7             | 37.9             | 37.9             | -                | -                | -                | -                | -                | 36                                                                                   |
| 40                                                                                                  | 59.7             | 60.2             | 52.5             | 52.7             | 45.4             | 45.4             | 37.7             | 37.7             | 31.3             | 31.3             | 26.2             | 26.2             | -                | 40                                                                                   |
| 48                                                                                                  | 48.0             | 52.1             | 44.3             | 46.8             | 41.0             | 41.7             | 36.9             | 36.9             | 31.0             | 31.0             | 25.8             | 25.8             | 18.9             | 48                                                                                   |
| 56                                                                                                  | 38.0             | 44.8             | 35.8             | 41.1             | 35.2             | 37.5             | 33.1             | 34.4             | 30.2             | 30.2             | 25.8             | 25.8             | 18.7             | 56                                                                                   |
| 64                                                                                                  | 30.3             | 40.2             | 30.6             | 35.9             | 28.8             | 33.2             | 28.6             | 31.3             | 26.9             | 28.5             | 25.3             | 25.3             | 18.7             | 64                                                                                   |
| 72                                                                                                  | 26.5             | 35.0             | 25.2             | 31.4             | 25.2             | 29.4             | 25.0             | 28.1             | 24.3             | 26.5             | 22.8             | 24.1             | 18.7             | 72                                                                                   |
| 80                                                                                                  | 22.2             | 29.9             | 22.2             | 27.3             | 21.0             | 25.9             | 21.3             | 24.9             | 20.1             | 24.1             | 19.7             | 22.5             | 17.7             | 80                                                                                   |
| 88                                                                                                  | 18.9             | 25.6             | 18.8             | 24.9             | 18.5             | 23.0             | 17.8             | 22.1             | 17.5             | 21.7             | 16.2             | 20.8             | 14.4             | 88                                                                                   |
| 96                                                                                                  | 16.7             | 22.1             | 16.1             | 22.5             | 15.6             | 20.6             | 15.4             | 19.4             | 14.8             | 19.4             | 13.5             | 19.0             | 11.8             | 96                                                                                   |
| 104                                                                                                 | 14.4             | 19.6             | 13.9             | 19.7             | 13.1             | 18.5             | 13.3             | 17.6             | 12.2             | 17.0             | 11.1             | 17.2             | 9.5              | 104                                                                                  |
| 112                                                                                                 | 12.7             | 18.4             | 11.8             | 17.1             | 11.8             | 17.3             | 11.1             | 16.0             | 10.3             | 15.6             | 8.9              | 15.1             | 7.6              | 112                                                                                  |
| 120                                                                                                 | 10.9             | 16.5             | 10.0             | 15.0             | 10.3             | 15.2             | 9.4              | 14.7             | 8.4              | 14.2             | 7.3              | 13.4             | 6.1              | 120                                                                                  |
| 128                                                                                                 | 9.4              | 11.0             | 8.7              | 14.0             | 8.8              | 13.3             | 7.9              | 13.1             | 6.9              | 12.6             | 5.8              | 11.7             | 4.7              | 128                                                                                  |
| 136                                                                                                 | -                | -                | 7.4              | 13.0             | 7.5              | 11.6             | 6.6              | 11.4             | 5.6              | 10.9             | 4.5              | 10.4             | 3.4              | 136                                                                                  |
| 144                                                                                                 | -                | -                | -                | -                | 6.4              | 10.8             | 5.4              | 10.0             | 4.5              | 9.5              | 3.4              | 9.5              | -                | 144                                                                                  |
| 152                                                                                                 | -                | -                | -                | -                | -                | -                | 4.5              | 9.2              | 3.4              | 8.2              | -                | 8.2              | -                | 152                                                                                  |
| 160                                                                                                 | -                | -                | -                | -                | -                | -                | 3.6              | 8.3              | -                | 7.2              | -                | 6.7              | -                | 160                                                                                  |
| 168                                                                                                 | -                | -                | -                | -                | -                | -                | -                | -                | -                | 6.5              | -                | 5.7              | -                | 168                                                                                  |
| 176                                                                                                 | -                | -                | -                | -                | -                | -                | -                | -                | -                | 5.8              | -                | 4.8              | -                | 176                                                                                  |
| 184                                                                                                 | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                | 3.9              | -                | 184                                                                                  |
| 1)                                                                                                  | 7.9              | 7.9              | 6.0              | 6.0              | 4.9              | 4.9              | 2.9              | 2.9              | -                | -                | -                | -                | -                | 1)                                                                                   |

1) Capacities with horizontal boom

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

|  13,900 lbs      |                 |  26.70 ft x 24.60 ft |                 |                 |                 |                 |                 |                 |                 | 360° / Max.*     |                  |                  |                  | ASME B30.5                                                                          |     |  |  |
|---------------------------------------------------------------------------------------------------|-----------------|-------------------------------------------------------------------------------------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|------------------|------------------|------------------|------------------|-------------------------------------------------------------------------------------|-----|--|--|
|  360°<br>40.7 ft | Max.<br>40.7 ft | 360°<br>54.1 ft                                                                                       | Max.<br>54.1 ft | 360°<br>67.6 ft | Max.<br>67.6 ft | 360°<br>81.0 ft | Max.<br>81.0 ft | 360°<br>94.5 ft | Max.<br>94.5 ft | 360°<br>107.9 ft | Max.<br>107.9 ft | 360°<br>121.4 ft | Max.<br>121.4 ft |  |     |  |  |
| ft                                                                                                | 1,000 lbs       |                                                                                                       |                 |                 |                 |                 |                 |                 |                 |                  |                  |                  |                  | ft                                                                                  |     |  |  |
| 10                                                                                                | 240.5           | 243.0                                                                                                 | 236.4           | 236.4           | 223.6           | 223.6           | 200.3           | 200.3           | -               | -                | -                | -                | -                | -                                                                                   | 10  |  |  |
| 12                                                                                                | 216.3           | 222.0                                                                                                 | 215.4           | 215.4           | 207.8           | 207.8           | 196.5           | 196.5           | 157.0           | 157.0            | -                | -                | -                | -                                                                                   | 12  |  |  |
| 14                                                                                                | 197.0           | 202.7                                                                                                 | 197.6           | 197.8           | 192.5           | 192.5           | 184.0           | 184.0           | 157.0           | 157.0            | -                | -                | -                | -                                                                                   | 14  |  |  |
| 16                                                                                                | 176.6           | 182.9                                                                                                 | 178.2           | 182.8           | 177.1           | 177.7           | 164.8           | 172.6           | 150.5           | 157.0            | 120.7            | 120.7            | -                | -                                                                                   | 16  |  |  |
| 18                                                                                                | 157.8           | 162.1                                                                                                 | 159.3           | 163.5           | 153.0           | 160.9           | 143.3           | 158.1           | 130.5           | 151.9            | 113.8            | 120.4            | -                | -                                                                                   | 18  |  |  |
| 20                                                                                                | 139.3           | 142.1                                                                                                 | 140.4           | 143.8           | 132.0           | 143.8           | 120.7           | 144.4           | 115.2           | 144.3            | 104.9            | 119.9            | 93.5             | 95.2                                                                                | 20  |  |  |
| 24                                                                                                | 99.0            | 114.6                                                                                                 | 102.7           | 117.6           | 97.9            | 116.9           | 95.1            | 118.0           | 88.3            | 116.2            | 81.0             | 110.4            | 74.8             | 94.8                                                                                | 24  |  |  |
| 28                                                                                                | 69.4            | 95.3                                                                                                  | 74.9            | 98.0            | 78.0            | 98.6            | 75.3            | 97.8            | 70.5            | 98.5             | 64.8             | 96.1             | 63.1             | 85.3                                                                                | 28  |  |  |
| 32                                                                                                | -               | -                                                                                                     | 57.9            | 83.4            | 60.3            | 84.0            | 60.4            | 84.4            | 57.5            | 83.8             | 56.5             | 77.8             | 52.8             | 68.7                                                                                | 32  |  |  |
| 36                                                                                                | -               | -                                                                                                     | 46.7            | 71.8            | 48.9            | 72.3            | 49.4            | 73.9            | 48.4            | 71.1             | 48.6             | 64.9             | 44.8             | 58.5                                                                                | 36  |  |  |
| 40                                                                                                | -               | -                                                                                                     | 28.4            | 54.9            | 40.7            | 64.2            | 41.0            | 64.0            | 41.8            | 59.9             | 40.9             | 54.5             | 40.0             | 52.6                                                                                | 40  |  |  |
| 48                                                                                                | -               | -                                                                                                     | -               | -               | 29.6            | 49.5            | 30.5            | 49.1            | 30.2            | 45.9             | 30.9             | 43.3             | 30.3             | 41.4                                                                                | 48  |  |  |
| 56                                                                                                | -               | -                                                                                                     | -               | -               | 22.3            | 30.1            | 23.1            | 36.5            | 23.5            | 35.4             | 24.0             | 36.4             | 23.5             | 33.0                                                                                | 56  |  |  |
| 64                                                                                                | -               | -                                                                                                     | -               | -               | -               | -               | 17.9            | 27.8            | 18.6            | 29.2             | 18.6             | 28.7             | 18.6             | 27.9                                                                                | 64  |  |  |
| 72                                                                                                | -               | -                                                                                                     | -               | -               | -               | -               | 14.2            | 23.7            | 14.8            | 23.3             | 14.8             | 23.2             | 14.6             | 23.3                                                                                | 72  |  |  |
| 80                                                                                                | -               | -                                                                                                     | -               | -               | -               | -               | -               | -               | 11.7            | 19.4             | 11.7             | 19.8             | 11.5             | 19.3                                                                                | 80  |  |  |
| 88                                                                                                | -               | -                                                                                                     | -               | -               | -               | -               | -               | -               | -               | -                | 9.4              | 17.1             | 9.2              | 16.7                                                                                | 88  |  |  |
| 96                                                                                                | -               | -                                                                                                     | -               | -               | -               | -               | -               | -               | -               | -                | 7.5              | 14.5             | 7.3              | 14.2                                                                                | 96  |  |  |
| 104                                                                                               | -               | -                                                                                                     | -               | -               | -               | -               | -               | -               | -               | -                | -                | -                | 5.7              | 12.1                                                                                | 104 |  |  |
| 112                                                                                               | -               | -                                                                                                     | -               | -               | -               | -               | -               | -               | -               | -                | -                | -                | 4.3              | 10.5                                                                                | 112 |  |  |
| 1)                                                                                                | 45.0            | 45.0                                                                                                  | 29.3            | 32.8            | 19.8            | 25.6            | 13.7            | 20.3            | 9.9             | 16.5             | 6.6              | 13.2             | 4.2              | 10.1                                                                                | 1)  |  |  |

|  360°<br>134.8 ft | Max.<br>134.8 ft | 360°<br>148.3 ft | Max.<br>148.3 ft | 360°<br>161.4 ft | Max.<br>161.4 ft | 360°<br>174.9 ft | Max.<br>174.9 ft | 360°<br>188.6 ft | Max.<br>188.6 ft | 360°<br>202.1 ft | Max.<br>202.1 ft | 360°<br>223.1 ft | Max.<br>223.1 ft |  |
|-----------------------------------------------------------------------------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|--------------------------------------------------------------------------------------|
| ft                                                                                                  | 1,000 lbs        |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | ft                                                                                   |
| 24                                                                                                  | 68.3             | 75.1             | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                | 24                                                                                   |
| 28                                                                                                  | 57.5             | 72.4             | 52.0             | 58.8             | -                | -                | -                | -                | -                | -                | -                | -                | -                | 28                                                                                   |
| 32                                                                                                  | 48.9             | 62.7             | 46.4             | 56.4             | 41.7             | 47.9             | -                | -                | -                | -                | -                | -                | -                | 32                                                                                   |
| 36                                                                                                  | 43.2             | 54.9             | 40.4             | 49.0             | 37.6             | 43.9             | 33.9             | 37.9             | -                | -                | -                | -                | -                | 36                                                                                   |
| 40                                                                                                  | 37.9             | 48.0             | 37.0             | 45.2             | 34.4             | 41.1             | 32.2             | 37.1             | 28.9             | 31.2             | 25.7             | 26.2             | -                | 40                                                                                   |
| 48                                                                                                  | 29.6             | 38.1             | 28.2             | 36.2             | 27.7             | 34.6             | 25.7             | 32.2             | 23.3             | 28.8             | 20.8             | 25.5             | 17.8             | 48                                                                                   |
| 56                                                                                                  | 23.2             | 32.4             | 21.9             | 30.5             | 21.8             | 29.0             | 19.9             | 27.5             | 17.8             | 24.9             | 15.5             | 22.7             | 13.2             | 56                                                                                   |
| 64                                                                                                  | 18.1             | 26.7             | 17.0             | 25.7             | 17.2             | 24.3             | 15.4             | 23.4             | 13.4             | 21.4             | 11.2             | 19.1             | 8.9              | 64                                                                                   |
| 72                                                                                                  | 14.2             | 22.8             | 13.1             | 21.9             | 13.3             | 20.2             | 11.8             | 19.7             | 10.0             | 17.7             | 7.8              | 15.5             | 5.8              | 72                                                                                   |
| 80                                                                                                  | 11.1             | 19.1             | 10.0             | 18.5             | 10.4             | 17.8             | 9.1              | 16.6             | 7.4              | 14.6             | 5.4              | 12.6             | 3.5              | 80                                                                                   |
| 88                                                                                                  | 8.8              | 16.3             | 7.7              | 15.6             | 8.1              | 15.6             | 6.9              | 14.0             | 5.3              | 12.2             | 3.4              | 10.2             | -                | 88                                                                                   |
| 96                                                                                                  | 6.7              | 14.0             | 5.9              | 13.1             | 6.1              | 13.2             | 5.1              | 11.7             | 3.6              | 9.9              | -                | 7.9              | -                | 96                                                                                   |
| 104                                                                                                 | 5.2              | 11.7             | 4.4              | 10.8             | 4.6              | 11.1             | 3.7              | 9.7              | -                | 7.9              | -                | 6.0              | -                | 104                                                                                  |
| 112                                                                                                 | 3.9              | 9.8              | -                | 9.0              | 3.2              | 9.4              | -                | 8.1              | -                | 6.3              | -                | 4.6              | -                | 112                                                                                  |
| 120                                                                                                 | -                | 8.3              | -                | 7.6              | -                | 7.8              | -                | 6.6              | -                | 5.0              | -                | 3.3              | -                | 120                                                                                  |
| 128                                                                                                 | -                | 7.0              | -                | 6.2              | -                | 6.4              | -                | 5.5              | -                | 4.0              | -                | -                | -                | 128                                                                                  |
| 136                                                                                                 | -                | -                | -                | 5.1              | -                | 5.3              | -                | 4.4              | -                | 2.9              | -                | -                | -                | 136                                                                                  |
| 144                                                                                                 | -                | -                | -                | -                | -                | 4.2              | -                | 3.4              | -                | -                | -                | -                | -                | 144                                                                                  |
| 1)                                                                                                  | -                | 7.7              | -                | 4.9              | -                | 3.3              | -                | -                | -                | -                | -                | -                | -                | 1)                                                                                   |

1) Capacities with horizontal boom

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

|  8,200 lbs |                 |  26.70 ft x 24.60 ft |                 |                 |                 |                 |                 |                 |                 | 360° / Max.*    |                  |                  |                  | ASME B30.5       |                                                                                     |  |  |
|---------------------------------------------------------------------------------------------|-----------------|-------------------------------------------------------------------------------------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|------------------|------------------|------------------|------------------|-------------------------------------------------------------------------------------|--|--|
|            | 360°<br>40.7 ft | Max.<br>40.7 ft                                                                                       | 360°<br>54.1 ft | Max.<br>54.1 ft | 360°<br>67.6 ft | Max.<br>67.6 ft | 360°<br>81.0 ft | Max.<br>81.0 ft | 360°<br>94.5 ft | Max.<br>94.5 ft | 360°<br>107.9 ft | Max.<br>107.9 ft | 360°<br>121.4 ft | Max.<br>121.4 ft |  |  |  |
| ft                                                                                          | 1,000 lbs       |                                                                                                       |                 |                 |                 |                 |                 |                 |                 |                 |                  |                  |                  |                  | ft                                                                                  |  |  |
| 10                                                                                          | 239.5           | 243.0                                                                                                 | 236.4           | 236.4           | 223.6           | 223.6           | 200.3           | 200.3           | -               | -               | -                | -                | -                | -                | 10                                                                                  |  |  |
| 12                                                                                          | 216.2           | 222.0                                                                                                 | 215.4           | 215.4           | 207.8           | 207.8           | 196.5           | 196.5           | 157.0           | 157.0           | -                | -                | -                | -                | 12                                                                                  |  |  |
| 14                                                                                          | 195.9           | 202.7                                                                                                 | 197.1           | 197.8           | 192.5           | 192.5           | 182.4           | 184.0           | 157.0           | 157.0           | -                | -                | -                | -                | 14                                                                                  |  |  |
| 16                                                                                          | 174.0           | 180.3                                                                                                 | 176.0           | 180.8           | 170.8           | 177.7           | 156.1           | 172.6           | 140.8           | 157.0           | 120.7            | 120.7            | -                | -                | 16                                                                                  |  |  |
| 18                                                                                          | 155.0           | 158.8                                                                                                 | 151.8           | 160.6           | 143.1           | 159.5           | 133.2           | 156.7           | 119.1           | 150.6           | 109.3            | 120.4            | -                | -                | 18                                                                                  |  |  |
| 20                                                                                          | 135.7           | 139.1                                                                                                 | 130.7           | 140.8           | 120.7           | 141.0           | 112.7           | 142.8           | 105.2           | 141.4           | 95.8             | 119.7            | 86.2             | 95.2             | 20                                                                                  |  |  |
| 24                                                                                          | 89.3            | 112.2                                                                                                 | 93.4            | 115.1           | 91.4            | 115.9           | 86.8            | 115.0           | 80.5            | 112.2           | 73.6             | 107.8            | 69.1             | 92.1             | 24                                                                                  |  |  |
| 28                                                                                          | 62.2            | 93.2                                                                                                  | 69.2            | 96.0            | 71.0            | 96.7            | 68.6            | 94.1            | 63.9            | 95.7            | 61.7             | 88.3             | 57.8             | 77.1             | 28                                                                                  |  |  |
| 32                                                                                          | -               | -                                                                                                     | 52.1            | 81.8            | 54.6            | 80.8            | 54.7            | 82.2            | 54.3            | 77.6            | 51.7             | 69.8             | 48.1             | 63.1             | 32                                                                                  |  |  |
| 36                                                                                          | -               | -                                                                                                     | 41.9            | 68.4            | 44.1            | 70.1            | 44.5            | 70.2            | 46.1            | 64.9            | 43.7             | 58.6             | 41.6             | 55.0             | 36                                                                                  |  |  |
| 40                                                                                          | -               | -                                                                                                     | 24.1            | 52.7            | 37.0            | 61.7            | 37.9            | 59.6            | 37.7            | 54.7            | 37.9             | 50.1             | 36.3             | 48.9             | 40                                                                                  |  |  |
| 48                                                                                          | -               | -                                                                                                     | -               | -               | 26.4            | 44.9            | 27.3            | 44.5            | 27.9            | 41.4            | 28.2             | 41.4             | 27.7             | 37.5             | 48                                                                                  |  |  |
| 56                                                                                          | -               | -                                                                                                     | -               | -               | 19.7            | 30.1            | 20.5            | 32.5            | 21.3            | 33.5            | 21.3             | 32.5             | 21.1             | 31.2             | 56                                                                                  |  |  |
| 64                                                                                          | -               | -                                                                                                     | -               | -               | -               | -               | 15.6            | 26.3            | 16.5            | 26.4            | 16.5             | 26.0             | 16.3             | 26.3             | 64                                                                                  |  |  |
| 72                                                                                          | -               | -                                                                                                     | -               | -               | -               | -               | 12.0            | 21.7            | 12.9            | 21.3            | 12.6             | 21.9             | 12.6             | 21.3             | 72                                                                                  |  |  |
| 80                                                                                          | -               | -                                                                                                     | -               | -               | -               | -               | -               | -               | 10.0            | 18.3            | 10.0             | 18.5             | 9.8              | 18.1             | 80                                                                                  |  |  |
| 88                                                                                          | -               | -                                                                                                     | -               | -               | -               | -               | -               | -               | -               | -               | 7.7              | 15.5             | 7.5              | 15.2             | 88                                                                                  |  |  |
| 96                                                                                          | -               | -                                                                                                     | -               | -               | -               | -               | -               | -               | -               | -               | 6.0              | 13.1             | 5.8              | 12.9             | 96                                                                                  |  |  |
| 104                                                                                         | -               | -                                                                                                     | -               | -               | -               | -               | -               | -               | -               | -               | -                | -                | 4.4              | 10.6             | 104                                                                                 |  |  |
| 112                                                                                         | -               | -                                                                                                     | -               | -               | -               | -               | -               | -               | -               | -               | -                | -                | 3.2              | 9.0              | 112                                                                                 |  |  |
| 1)                                                                                          | 45.0            | 45.0                                                                                                  | 25.8            | 32.8            | 17.4            | 25.6            | 11.7            | 20.3            | 8.4             | 16.1            | 5.3              | 11.9             | 3.1              | 8.8              | 1)                                                                                  |  |  |

|  | 360°<br>134.8 ft | Max.<br>134.8 ft | 360°<br>148.3 ft | Max.<br>148.3 ft | 360°<br>161.4 ft | Max.<br>161.4 ft | 360°<br>174.9 ft | Max.<br>174.9 ft | 360°<br>188.6 ft | Max.<br>188.6 ft | 360°<br>202.1 ft | Max.<br>202.1 ft | 360°<br>223.1 ft | Max.<br>223.1 ft |  |
|------------------------------------------------------------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|--------------------------------------------------------------------------------------|
| ft                                                                                 | 1,000 lbs        |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | ft                                                                                   |
| 24                                                                                 | 64.4             | 75.1             | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                | 24                                                                                   |
| 28                                                                                 | 52.9             | 68.3             | 48.9             | 58.8             | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                | 28                                                                                   |
| 32                                                                                 | 46.2             | 58.8             | 43.5             | 51.8             | 39.4             | 46.9             | -                | -                | -                | -                | -                | -                | -                | -                | 32                                                                                   |
| 36                                                                                 | 39.7             | 50.9             | 37.9             | 46.5             | 34.9             | 41.5             | 31.9             | 36.4             | -                | -                | -                | -                | -                | -                | 36                                                                                   |
| 40                                                                                 | 34.8             | 44.5             | 32.8             | 42.2             | 31.6             | 39.0             | 29.8             | 35.3             | 26.0             | 30.9             | 23.1             | 26.2             | -                | -                | 40                                                                                   |
| 48                                                                                 | 26.3             | 36.7             | 24.9             | 34.2             | 24.4             | 32.3             | 22.5             | 30.8             | 20.1             | 27.8             | 17.8             | 24.6             | 15.3             | 18.9             | 48                                                                                   |
| 56                                                                                 | 20.5             | 29.4             | 19.1             | 28.4             | 18.9             | 26.6             | 17.2             | 25.8             | 15.0             | 23.4             | 12.6             | 20.6             | 10.2             | 17.7             | 56                                                                                   |
| 64                                                                                 | 15.7             | 24.9             | 14.7             | 23.5             | 14.5             | 22.6             | 12.9             | 21.2             | 10.9             | 18.9             | 8.6              | 16.6             | 6.4              | 14.6             | 64                                                                                   |
| 72                                                                                 | 12.0             | 20.8             | 11.1             | 19.5             | 11.1             | 19.0             | 9.6              | 17.3             | 7.8              | 15.3             | 5.8              | 13.3             | 3.6              | 11.3             | 72                                                                                   |
| 80                                                                                 | 9.3              | 17.8             | 8.3              | 16.3             | 8.7              | 16.1             | 7.2              | 14.4             | 5.4              | 12.6             | 3.5              | 10.6             | -                | 8.4              | 80                                                                                   |
| 88                                                                                 | 7.1              | 14.8             | 6.2              | 13.7             | 6.4              | 13.5             | 5.2              | 12.0             | 3.6              | 10.1             | -                | 8.0              | -                | 6.1              | 88                                                                                   |
| 96                                                                                 | 5.3              | 12.4             | 4.5              | 11.5             | 4.7              | 11.2             | 3.6              | 9.7              | -                | 7.9              | -                | 6.0              | -                | 4.2              | 96                                                                                   |
| 104                                                                                | 3.9              | 10.2             | 3.0              | 9.3              | 3.3              | 9.3              | -                | 7.9              | -                | 6.2              | -                | 4.4              | -                | 2.6              | 104                                                                                  |
| 112                                                                                | -                | 8.5              | -                | 7.6              | -                | 7.6              | -                | 6.3              | -                | 4.8              | -                | 3.0              | -                | -                | 112                                                                                  |
| 120                                                                                | -                | 7.0              | -                | 6.1              | -                | 6.3              | -                | 5.0              | -                | 3.5              | -                | -                | -                | -                | 120                                                                                  |
| 128                                                                                | -                | 5.7              | -                | 5.0              | -                | 5.1              | -                | 4.1              | -                | 2.5              | -                | -                | -                | -                | 128                                                                                  |
| 136                                                                                | -                | -                | -                | 3.9              | -                | 4.0              | -                | 3.1              | -                | -                | -                | -                | -                | -                | 136                                                                                  |
| 144                                                                                | -                | -                | -                | -                | -                | 3.1              | -                | 2.2              | -                | -                | -                | -                | -                | -                | 144                                                                                  |
| 1)                                                                                 | -                | 5.7              | -                | 3.5              | -                | 2.4              | -                | -                | -                | -                | -                | -                | -                | -                | 1)                                                                                   |

1) Capacities with horizontal boom

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

|  101,400 lbs    |                |  26.70 ft x 17.40 ft |                | 360° / Max.*   |                |                |                |                |                |                 |                 | ASME B30.5      |                 |                                                                                     |  |
|--------------------------------------------------------------------------------------------------|----------------|-------------------------------------------------------------------------------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|-----------------|-----------------|-----------------|-----------------|-------------------------------------------------------------------------------------|--|
|  360°<br>40.7ft | Max.<br>40.7ft | 360°<br>54.1ft                                                                                        | Max.<br>54.1ft | 360°<br>67.6ft | Max.<br>67.6ft | 360°<br>81.0ft | Max.<br>81.0ft | 360°<br>94.5ft | Max.<br>94.5ft | 360°<br>107.9ft | Max.<br>107.9ft | 360°<br>121.4ft | Max.<br>121.4ft |  |  |
| 1,000 lbs                                                                                        |                |                                                                                                       |                |                |                |                |                |                |                |                 |                 |                 |                 | ft                                                                                  |  |
| 10                                                                                               | -              | 243.0                                                                                                 | -              | 236.4          | -              | 223.6          | -              | 200.3          | -              | -               | -               | -               | -               | 10                                                                                  |  |
| 12                                                                                               | -              | 222.0                                                                                                 | -              | 215.4          | -              | 207.8          | -              | 196.5          | -              | 157.0           | -               | -               | -               | 12                                                                                  |  |
| 14                                                                                               | -              | 202.7                                                                                                 | -              | 197.8          | -              | 192.4          | -              | 184.0          | -              | 157.0           | -               | -               | -               | 14                                                                                  |  |
| 16                                                                                               | -              | 185.4                                                                                                 | -              | 182.8          | -              | 177.7          | -              | 172.6          | -              | 157.0           | -               | 120.7           | -               | 16                                                                                  |  |
| 18                                                                                               | 153.8          | 171.3                                                                                                 | 155.3          | 170.4          | 155.3          | 165.5          | 154.6          | 161.2          | 150.9          | 151.9           | 120.4           | 120.4           | -               | 18                                                                                  |  |
| 20                                                                                               | 140.8          | 158.1                                                                                                 | 142.3          | 158.6          | 142.3          | 154.2          | 143.6          | 150.0          | 142.2          | 145.5           | 119.4           | 119.9           | 95.2            | 20                                                                                  |  |
| 24                                                                                               | 117.5          | 137.0                                                                                                 | 120.3          | 138.6          | 119.2          | 136.2          | 120.8          | 132.3          | 115.5          | 130.8           | 108.5           | 113.6           | 94.3            | 24                                                                                  |  |
| 28                                                                                               | 91.2           | 115.0                                                                                                 | 94.5           | 122.1          | 95.4           | 121.7          | 95.2           | 118.0          | 96.5           | 116.8           | 93.6            | 106.2           | 86.4            | 28                                                                                  |  |
| 32                                                                                               | -              | -                                                                                                     | 76.2           | 108.1          | 77.3           | 108.2          | 79.1           | 106.5          | 78.5           | 105.5           | 77.4            | 98.0            | 74.1            | 32                                                                                  |  |
| 36                                                                                               | -              | -                                                                                                     | 64.8           | 95.8           | 66.8           | 95.7           | 66.9           | 94.9           | 66.4           | 95.0            | 65.3            | 92.0            | 63.4            | 36                                                                                  |  |
| 40                                                                                               | -              | -                                                                                                     | 48.5           | 79.3           | 56.4           | 84.0           | 56.4           | 85.4           | 56.0           | 84.7            | 54.9            | 85.4            | 54.2            | 40                                                                                  |  |
| 48                                                                                               | -              | -                                                                                                     | -              | -              | 43.1           | 67.4           | 43.3           | 67.0           | 42.8           | 67.4            | 42.9            | 67.7            | 43.1            | 48                                                                                  |  |
| 56                                                                                               | -              | -                                                                                                     | -              | -              | 30.1           | 45.4           | 34.4           | 53.4           | 34.8           | 54.4            | 35.1            | 53.3            | 34.2            | 56                                                                                  |  |
| 64                                                                                               | -              | -                                                                                                     | -              | -              | -              | -              | 28.0           | 44.8           | 29.2           | 44.2            | 28.7            | 43.1            | 27.9            | 64                                                                                  |  |
| 72                                                                                               | -              | -                                                                                                     | -              | -              | -              | -              | 24.5           | 30.1           | 24.6           | 36.8            | 23.9            | 35.7            | 24.5            | 72                                                                                  |  |
| 80                                                                                               | -              | -                                                                                                     | -              | -              | -              | -              | -              | -              | 20.9           | 30.4            | 20.8            | 30.1            | 20.9            | 80                                                                                  |  |
| 88                                                                                               | -              | -                                                                                                     | -              | -              | -              | -              | -              | -              | -              | -               | 18.4            | 26.8            | 17.9            | 88                                                                                  |  |
| 96                                                                                               | -              | -                                                                                                     | -              | -              | -              | -              | -              | -              | -              | -               | 16.1            | 23.1            | 15.6            | 96                                                                                  |  |
| 104                                                                                              | -              | -                                                                                                     | -              | -              | -              | -              | -              | -              | -              | -               | -               | -               | 14.1            | 104                                                                                 |  |
| 112                                                                                              | -              | -                                                                                                     | -              | -              | -              | -              | -              | -              | -              | -               | -               | -               | 11.9            | 112                                                                                 |  |
| 1)                                                                                               | 45.0           | 45.0                                                                                                  | 32.8           | 32.8           | 25.6           | 26.5           | 20.3           | 20.3           | 16.5           | 16.5            | 13.2            | 13.2            | 10.6            | 1)                                                                                  |  |

|  360°<br>134.8 ft | Max.<br>134.8 ft | 360°<br>148.3 ft | Max.<br>148.3 ft | 360°<br>161.4 ft | Max.<br>161.4 ft | 360°<br>174.9 ft | Max.<br>174.9 ft | 360°<br>188.6 ft | Max.<br>188.6 ft | 360°<br>202.1 ft | Max.<br>202.1 ft | 360°<br>223.1 ft | Max.<br>223.1 ft |  |
|-----------------------------------------------------------------------------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|--------------------------------------------------------------------------------------|
| 1,000 lbs                                                                                           |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | ft                                                                                   |
| 24                                                                                                  | 75.1             | 75.1             | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                | 24                                                                                   |
| 28                                                                                                  | 72.4             | 72.4             | 58.8             | 58.8             | -                | -                | -                | -                | -                | -                | -                | -                | -                | 28                                                                                   |
| 32                                                                                                  | 68.5             | 68.6             | 57.5             | 57.5             | 47.9             | 47.9             | -                | -                | -                | -                | -                | -                | -                | 32                                                                                   |
| 36                                                                                                  | 60.8             | 64.4             | 54.9             | 55.3             | 46.7             | 46.7             | 37.9             | 37.9             | -                | -                | -                | -                | -                | 36                                                                                   |
| 40                                                                                                  | 54.5             | 60.2             | 51.2             | 52.7             | 45.3             | 45.4             | 37.7             | 37.7             | 31.3             | 31.3             | 26.2             | 26.2             | -                | 40                                                                                   |
| 48                                                                                                  | 41.7             | 52.1             | 40.0             | 46.8             | 39.3             | 41.7             | 36.4             | 36.9             | 31.0             | 31.0             | 25.8             | 25.8             | 18.9             | 48                                                                                   |
| 56                                                                                                  | 33.5             | 44.8             | 33.4             | 41.1             | 31.8             | 37.5             | 31.4             | 34.4             | 29.8             | 30.2             | 25.8             | 25.8             | 18.7             | 56                                                                                   |
| 64                                                                                                  | 28.3             | 40.2             | 27.4             | 35.9             | 27.3             | 33.2             | 27.1             | 31.3             | 26.1             | 28.5             | 25.1             | 25.3             | 18.7             | 64                                                                                   |
| 72                                                                                                  | 23.7             | 35.4             | 23.7             | 31.4             | 23.4             | 29.4             | 23.0             | 28.1             | 21.9             | 26.5             | 21.6             | 24.1             | 18.7             | 72                                                                                   |
| 80                                                                                                  | 20.5             | 29.9             | 20.0             | 27.5             | 19.8             | 26.0             | 19.3             | 24.9             | 19.4             | 24.1             | 18.5             | 22.5             | 17.6             | 80                                                                                   |
| 88                                                                                                  | 17.8             | 25.6             | 17.5             | 24.9             | 17.0             | 23.0             | 16.9             | 22.1             | 16.5             | 21.7             | 15.6             | 20.8             | 14.8             | 88                                                                                   |
| 96                                                                                                  | 15.4             | 22.1             | 15.2             | 22.5             | 14.5             | 20.6             | 14.8             | 19.7             | 14.1             | 19.4             | 13.2             | 19.0             | 12.6             | 96                                                                                   |
| 104                                                                                                 | 13.8             | 19.6             | 13.2             | 19.7             | 13.0             | 18.5             | 12.8             | 17.6             | 12.1             | 17.4             | 11.3             | 17.2             | 10.6             | 104                                                                                  |
| 112                                                                                                 | 12.0             | 18.4             | 11.6             | 17.1             | 11.6             | 17.3             | 11.2             | 16.0             | 10.5             | 15.6             | 9.6              | 15.5             | 8.9              | 112                                                                                  |
| 120                                                                                                 | 10.7             | 16.5             | 10.1             | 15.0             | 10.3             | 15.2             | 9.6              | 14.7             | 9.0              | 14.2             | 8.3              | 13.7             | 7.5              | 120                                                                                  |
| 128                                                                                                 | 9.5              | 11.0             | 8.9              | 14.0             | 9.0              | 13.3             | 8.4              | 13.1             | 7.8              | 12.6             | 7.0              | 11.8             | 6.3              | 128                                                                                  |
| 136                                                                                                 | -                | -                | 7.9              | 13.0             | 8.0              | 11.8             | 7.3              | 11.4             | 6.8              | 10.9             | 6.0              | 10.4             | 4.9              | 136                                                                                  |
| 144                                                                                                 | -                | -                | -                | -                | 7.1              | 10.8             | 6.4              | 10.0             | 5.8              | 9.5              | 4.7              | 9.5              | 3.8              | 144                                                                                  |
| 152                                                                                                 | -                | -                | -                | -                | -                | -                | 5.6              | 9.2              | 4.9              | 8.2              | 3.8              | 8.2              | 2.8              | 152                                                                                  |
| 160                                                                                                 | -                | -                | -                | -                | -                | -                | 4.8              | 8.3              | 3.9              | 7.2              | 2.8              | 7.2              | -                | 160                                                                                  |
| 168                                                                                                 | -                | -                | -                | -                | -                | -                | -                | -                | 3.2              | 6.6              | -                | 6.1              | -                | 168                                                                                  |
| 176                                                                                                 | -                | -                | -                | -                | -                | -                | -                | -                | 2.5              | 6.2              | -                | 5.2              | -                | 176                                                                                  |
| 184                                                                                                 | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                | 4.4              | -                | 184                                                                                  |
| 1)                                                                                                  | 7.9              | 7.9              | 6.0              | 5.0              | 4.9              | 4.9              | 2.9              | 2.9              | -                | -                | -                | -                | -                | 1)                                                                                   |

1) Capacities with horizontal boom

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

|  71,900 lbs |                 |                 |  26.70 ft x 17.40 ft |                 |                 |                 |                 |                 | 360° / Max.*    |                 |                  |                  |                  |                  | ASME B30.5                                                                          |    |  |  |
|----------------------------------------------------------------------------------------------|-----------------|-----------------|-------------------------------------------------------------------------------------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|------------------|------------------|------------------|------------------|-------------------------------------------------------------------------------------|----|--|--|
|             | 360°<br>40.7 ft | Max.<br>40.7 ft | 360°<br>54.1 ft                                                                                       | Max.<br>54.1 ft | 360°<br>67.6 ft | Max.<br>67.6 ft | 360°<br>81.0 ft | Max.<br>81.0 ft | 360°<br>94.5 ft | Max.<br>94.5 ft | 360°<br>107.9 ft | Max.<br>107.9 ft | 360°<br>121.4 ft | Max.<br>121.4 ft |  |    |  |  |
| ft                                                                                           | 1,000 lbs       |                 |                                                                                                       |                 |                 |                 |                 |                 |                 |                 |                  |                  |                  |                  |                                                                                     | ft |  |  |
| 10                                                                                           | 225.1           | 243.0           | 226.2                                                                                                 | 236.4           | 223.2           | 223.6           | 200.3           | 200.3           | -               | -               | -                | -                | -                | -                | 10                                                                                  |    |  |  |
| 12                                                                                           | 200.7           | 222.0           | 202.1                                                                                                 | 215.4           | 202.1           | 207.8           | 196.5           | 196.5           | 157.0           | 157.0           | -                | -                | -                | -                | 12                                                                                  |    |  |  |
| 14                                                                                           | 180.4           | 202.7           | 181.8                                                                                                 | 197.8           | 181.8           | 192.4           | 179.1           | 184.0           | 157.0           | 157.0           | -                | -                | -                | -                | 14                                                                                  |    |  |  |
| 16                                                                                           | 163.5           | 185.4           | 164.8                                                                                                 | 182.8           | 164.8           | 177.7           | 157.6           | 172.6           | 143.5           | 157.0           | 120.7            | 120.7            | -                | -                | 16                                                                                  |    |  |  |
| 18                                                                                           | 146.7           | 171.3           | 148.6                                                                                                 | 170.4           | 146.9           | 165.5           | 139.5           | 161.2           | 126.3           | 151.9           | 114.2            | 120.4            | -                | -                | 18                                                                                  |    |  |  |
| 20                                                                                           | 129.1           | 158.1           | 133.6                                                                                                 | 158.6           | 131.9           | 154.2           | 121.6           | 150.0           | 115.7           | 145.5           | 106.0            | 119.9            | 94.0             | 95.2             | 20                                                                                  |    |  |  |
| 24                                                                                           | 92.2            | 136.3           | 96.1                                                                                                  | 137.9           | 97.1            | 135.8           | 99.6            | 132.3           | 93.9            | 130.8           | 86.6             | 113.6            | 79.2             | 94.8             | 24                                                                                  |    |  |  |
| 28                                                                                           | 70.4            | 114.1           | 75.0                                                                                                  | 117.5           | 76.8            | 117.4           | 77.1            | 116.2           | 76.3            | 116.0           | 72.5             | 106.2            | 67.6             | 92.3             | 28                                                                                  |    |  |  |
| 32                                                                                           | -               | -               | 60.1                                                                                                  | 100.9           | 61.7            | 100.2           | 62.0            | 101.7           | 61.3            | 100.8           | 60.1             | 97.9             | 60.2             | 88.9             | 32                                                                                  |    |  |  |
| 36                                                                                           | -               | -               | 50.5                                                                                                  | 88.9            | 52.0            | 87.8            | 52.2            | 89.2            | 51.6            | 88.3            | 51.6             | 88.6             | 52.0             | 83.6             | 36                                                                                  |    |  |  |
| 40                                                                                           | -               | -               | 35.8                                                                                                  | 72.3            | 43.6            | 78.5            | 43.8            | 78.1            | 45.2            | 79.2            | 44.7             | 78.7             | 43.6             | 77.4             | 40                                                                                  |    |  |  |
| 48                                                                                           | -               | -               | -                                                                                                     | -               | 33.6            | 63.2            | 34.4            | 62.8            | 34.4            | 64.3            | 33.9             | 63.4             | 34.5             | 62.1             | 48                                                                                  |    |  |  |
| 56                                                                                           | -               | -               | -                                                                                                     | -               | 26.7            | 44.6            | 27.4            | 52.9            | 27.2            | 52.7            | 27.7             | 51.5             | 27.3             | 50.0             | 56                                                                                  |    |  |  |
| 64                                                                                           | -               | -               | -                                                                                                     | -               | -               | -               | 22.3            | 44.1            | 22.5            | 43.3            | 22.6             | 42.2             | 22.5             | 40.5             | 64                                                                                  |    |  |  |
| 72                                                                                           | -               | -               | -                                                                                                     | -               | -               | -               | 18.4            | 29.5            | 18.8            | 36.7            | 18.8             | 35.6             | 18.8             | 34.2             | 72                                                                                  |    |  |  |
| 80                                                                                           | -               | -               | -                                                                                                     | -               | -               | -               | -               | -               | 15.9            | 30.0            | 15.9             | 29.7             | 15.9             | 30.9             | 80                                                                                  |    |  |  |
| 88                                                                                           | -               | -               | -                                                                                                     | -               | -               | -               | -               | -               | -               | -               | 13.6             | 26.8             | 13.5             | 26.8             | 88                                                                                  |    |  |  |
| 96                                                                                           | -               | -               | -                                                                                                     | -               | -               | -               | -               | -               | -               | -               | 11.7             | 23.1             | 11.6             | 23.3             | 96                                                                                  |    |  |  |
| 104                                                                                          | -               | -               | -                                                                                                     | -               | -               | -               | -               | -               | -               | -               | -                | -                | 9.9              | 20.2             | 104                                                                                 |    |  |  |
| 112                                                                                          | -               | -               | -                                                                                                     | -               | -               | -               | -               | -               | -               | -               | -                | -                | 8.5              | 11.9             | 112                                                                                 |    |  |  |
| 1)                                                                                           | 45.0            | 45.0            | 32.8                                                                                                  | 32.8            | 24.5            | 25.6            | 18.1            | 20.3            | 14.1            | 16.5            | 10.8             | 13.2             | 8.6              | 10.6             | 1)                                                                                  |    |  |  |

|  | 360°<br>134.8ft | Max.<br>134.8ft | 360°<br>148.3ft | Max.<br>148.3ft | 360°<br>161.4ft | Max.<br>161.4ft | 360°<br>174.9ft | Max.<br>174.9ft | 360°<br>188.6ft | Max.<br>188.6ft | 360°<br>202.1ft | Max.<br>202.1ft | 360°<br>223.1ft | Max.<br>223.1ft |  |    |
|------------------------------------------------------------------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|--------------------------------------------------------------------------------------|----|
| ft                                                                                 | 1,000 lbs       |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                                                                                      | ft |
| 24                                                                                 | 72.6            | 75.1            | -               | -               | -               | -               | -               | -               | -               | -               | -               | -               | -               | -               | 24                                                                                   |    |
| 28                                                                                 | 63.6            | 72.4            | 56.8            | 58.8            | -               | -               | -               | -               | -               | -               | -               | -               | -               | -               | 28                                                                                   |    |
| 32                                                                                 | 55.7            | 68.6            | 51.5            | 57.5            | 46.7            | 47.9            | -               | -               | -               | -               | -               | -               | -               | -               | 32                                                                                   |    |
| 36                                                                                 | 48.8            | 64.4            | 46.4            | 55.3            | 41.9            | 46.7            | 37.1            | 37.9            | -               | -               | -               | -               | -               | -               | 36                                                                                   |    |
| 40                                                                                 | 42.5            | 60.2            | 41.7            | 52.7            | 39.1            | 45.4            | 35.5            | 37.7            | 31.1            | 31.3            | 26.2            | 26.2            | -               | -               | 40                                                                                   |    |
| 48                                                                                 | 33.6            | 52.1            | 33.6            | 46.8            | 32.3            | 41.7            | 31.7            | 36.9            | 28.5            | 31.0            | 25.4            | 25.8            | 18.9            | 18.9            | 48                                                                                   |    |
| 56                                                                                 | 27.1            | 44.8            | 26.8            | 41.1            | 26.3            | 37.5            | 25.9            | 34.4            | 24.5            | 30.2            | 22.4            | 25.8            | 18.7            | 18.7            | 56                                                                                   |    |
| 64                                                                                 | 22.1            | 40.2            | 21.6            | 35.9            | 21.8            | 33.2            | 21.2            | 31.3            | 20.5            | 28.5            | 19.1            | 25.3            | 16.9            | 18.7            | 64                                                                                   |    |
| 72                                                                                 | 18.4            | 35.4            | 17.7            | 31.4            | 17.9            | 29.4            | 17.3            | 28.1            | 16.6            | 26.5            | 15.7            | 24.1            | 14.0            | 18.7            | 72                                                                                   |    |
| 80                                                                                 | 15.5            | 29.2            | 14.8            | 27.2            | 15.1            | 25.9            | 14.4            | 24.9            | 13.7            | 24.1            | 12.8            | 22.5            | 11.3            | 18.7            | 80                                                                                   |    |
| 88                                                                                 | 13.2            | 25.3            | 12.5            | 24.9            | 12.7            | 23.0            | 12.1            | 22.1            | 11.4            | 21.7            | 10.5            | 20.8            | 9.2             | 17.9            | 88                                                                                   |    |
| 96                                                                                 | 11.2            | 21.8            | 10.6            | 22.4            | 10.7            | 20.3            | 10.2            | 19.4            | 9.5             | 19.4            | 8.6             | 19.0            | 7.3             | 16.9            | 96                                                                                   |    |
| 104                                                                                | 9.6             | 19.6            | 9.0             | 19.3            | 9.2             | 18.5            | 8.6             | 17.6            | 7.9             | 17.1            | 7.0             | 17.2            | 5.7             | 15.6            | 104                                                                                  |    |
| 112                                                                                | 8.3             | 18.4            | 7.7             | 17.1            | 7.9             | 17.3            | 7.2             | 16.0            | 6.6             | 15.6            | 5.7             | 15.5            | 4.3             | 14.0            | 112                                                                                  |    |
| 120                                                                                | 7.1             | 16.5            | 6.6             | 15.0            | 6.6             | 15.2            | 6.1             | 14.7            | 5.4             | 14.2            | 4.3             | 13.7            | 3.1             | 12.6            | 120                                                                                  |    |
| 128                                                                                | 6.2             | 11.0            | 5.6             | 14.0            | 5.7             | 13.3            | 5.1             | 13.1            | 4.2             | 12.4            | 3.1             | 11.7            | -               | 11.1            | 128                                                                                  |    |
| 136                                                                                | -               | -               | 4.8             | 13.0            | 4.8             | 11.6            | 4.0             | 11.4            | 3.3             | 10.9            | -               | 10.4            | -               | 9.9             | 136                                                                                  |    |
| 144                                                                                | -               | -               | -               | -               | 4.0             | 10.8            | 3.1             | 10.0            | 2.3             | 9.5             | -               | 9.5             | -               | 8.4             | 144                                                                                  |    |
| 152                                                                                | -               | -               | -               | -               | -               | -               | -               | 9.2             | -               | 8.2             | -               | 8.2             | -               | 6.9             | 152                                                                                  |    |
| 160                                                                                | -               | -               | -               | -               | -               | -               | -               | 8.3             | -               | 7.2             | -               | 6.7             | -               | 6.0             | 160                                                                                  |    |
| 168                                                                                | -               | -               | -               | -               | -               | -               | -               | -               | -               | 6.6             | -               | 5.8             | -               | 4.9             | 168                                                                                  |    |
| 176                                                                                | -               | -               | -               | -               | -               | -               | -               | -               | -               | 6.2             | -               | 5.2             | -               | 4.1             | 176                                                                                  |    |
| 184                                                                                | -               | -               | -               | -               | -               | -               | -               | -               | -               | -               | -               | 4.4             | -               | 3.2             | 184                                                                                  |    |
| 1)                                                                                 | 6.2             | 7.9             | 4.4             | 6.0             | 3.1             | 4.9             | -               | 2.9             | -               | -               | -               | -               | -               | -               | 1)                                                                                   |    |

1) Capacities with horizontal boom

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



|  56,000 lbs |                 |  26.70 ft x 17.40 ft |                 |                 |                 |                 |                 |                 |                 | 360° / Max.*    |                  |                  |                  | ASME B30.5       |                                                                                     |  |  |
|----------------------------------------------------------------------------------------------|-----------------|-------------------------------------------------------------------------------------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|------------------|------------------|------------------|------------------|-------------------------------------------------------------------------------------|--|--|
|             | 360°<br>40.7 ft | Max.<br>40.7 ft                                                                                       | 360°<br>54.1 ft | Max.<br>54.1 ft | 360°<br>67.6 ft | Max.<br>67.6 ft | 360°<br>81.0 ft | Max.<br>81.0 ft | 360°<br>94.5 ft | Max.<br>94.5 ft | 360°<br>107.9 ft | Max.<br>107.9 ft | 360°<br>121.4 ft | Max.<br>121.4 ft |  |  |  |
| ft                                                                                           | 1,000 lbs       |                                                                                                       |                 |                 |                 |                 |                 |                 |                 |                 |                  |                  |                  |                  | ft                                                                                  |  |  |
| 10                                                                                           | 221.8           | 243.0                                                                                                 | 222.9           | 236.4           | 222.9           | 223.6           | 200.3           | 200.3           | -               | -               | -                | -                | -                | -                | 10                                                                                  |  |  |
| 12                                                                                           | 197.9           | 222.0                                                                                                 | 199.2           | 215.4           | 199.2           | 207.8           | 190.2           | 196.5           | 156.3           | 157.0           | -                | -                | -                | -                | 12                                                                                  |  |  |
| 14                                                                                           | 177.8           | 202.7                                                                                                 | 179.2           | 197.8           | 175.8           | 192.4           | 162.0           | 184.0           | 144.2           | 157.0           | -                | -                | -                | -                | 14                                                                                  |  |  |
| 16                                                                                           | 161.2           | 185.4                                                                                                 | 162.5           | 182.8           | 150.2           | 177.7           | 137.5           | 172.6           | 125.6           | 157.0           | 114.9            | 120.7            | -                | -                | 16                                                                                  |  |  |
| 18                                                                                           | 136.4           | 171.3                                                                                                 | 139.0           | 170.4           | 132.3           | 165.5           | 119.9           | 161.2           | 113.1           | 151.9           | 102.7            | 120.4            | -                | -                | 18                                                                                  |  |  |
| 20                                                                                           | 110.7           | 157.8                                                                                                 | 115.3           | 158.4           | 113.4           | 154.2           | 108.4           | 150.0           | 99.4            | 145.5           | 90.7             | 119.9            | 83.4             | 95.2             | 20                                                                                  |  |  |
| 24                                                                                           | 78.7            | 132.3                                                                                                 | 83.5            | 134.0           | 86.0            | 133.9           | 85.6            | 130.9           | 80.3            | 130.3           | 73.8             | 113.6            | 69.6             | 94.8             | 24                                                                                  |  |  |
| 28                                                                                           | 59.6            | 110.4                                                                                                 | 64.2            | 111.9           | 66.0            | 111.9           | 66.2            | 113.4           | 65.4            | 112.4           | 63.3             | 106.2            | 60.2             | 92.3             | 28                                                                                  |  |  |
| 32                                                                                           | -               | -                                                                                                     | 51.2            | 96.5            | 52.8            | 96.1            | 53.0            | 97.0            | 53.8            | 95.9            | 54.1             | 96.0             | 51.5             | 88.9             | 32                                                                                  |  |  |
| 36                                                                                           | -               | -                                                                                                     | 42.8            | 84.7            | 44.3            | 85.2            | 44.5            | 85.0            | 46.1            | 85.0            | 45.5             | 85.7             | 43.9             | 80.8             | 36                                                                                  |  |  |
| 40                                                                                           | -               | -                                                                                                     | 29.0            | 68.8            | 38.0            | 74.5            | 38.9            | 74.3            | 38.7            | 75.9            | 38.2             | 74.9             | 38.7             | 71.6             | 40                                                                                  |  |  |
| 48                                                                                           | -               | -                                                                                                     | -               | -               | 28.6            | 58.0            | 29.4            | 59.9            | 29.6            | 59.5            | 29.7             | 58.3             | 29.7             | 55.2             | 48                                                                                  |  |  |
| 56                                                                                           | -               | -                                                                                                     | -               | -               | 22.5            | 38.8            | 23.0            | 47.8            | 23.5            | 47.1            | 23.7             | 46.0             | 23.4             | 44.1             | 56                                                                                  |  |  |
| 64                                                                                           | -               | -                                                                                                     | -               | -               | -               | -               | 18.5            | 39.3            | 19.1            | 38.6            | 19.1             | 37.5             | 18.9             | 37.5             | 64                                                                                  |  |  |
| 72                                                                                           | -               | -                                                                                                     | -               | -               | -               | -               | 15.3            | 28.7            | 15.7            | 31.9            | 15.7             | 31.6             | 15.5             | 32.1             | 72                                                                                  |  |  |
| 80                                                                                           | -               | -                                                                                                     | -               | -               | -               | -               | -               | -               | 13.1            | 27.2            | 13.1             | 28.4             | 12.9             | 27.5             | 80                                                                                  |  |  |
| 88                                                                                           | -               | -                                                                                                     | -               | -               | -               | -               | -               | -               | -               | -               | 11.1             | 24.4             | 10.8             | 23.3             | 88                                                                                  |  |  |
| 96                                                                                           | -               | -                                                                                                     | -               | -               | -               | -               | -               | -               | -               | -               | 9.3              | 21.0             | 9.2              | 19.9             | 96                                                                                  |  |  |
| 104                                                                                          | -               | -                                                                                                     | -               | -               | -               | -               | -               | -               | -               | -               | -                | -                | 7.9              | 17.8             | 104                                                                                 |  |  |
| 112                                                                                          | -               | -                                                                                                     | -               | -               | -               | -               | -               | -               | -               | -               | -                | -                | 6.6              | 11.9             | 112                                                                                 |  |  |
| 1)                                                                                           | 45.0            | 45.0                                                                                                  | 28.9            | 32.8            | 20.3            | 25.6            | 15.0            | 20.3            | 11.5            | 16.5            | 8.6              | 13.2             | 6.6              | 10.6             | 1)                                                                                  |  |  |

|  | 360°<br>134.8 ft | Max.<br>134.8 ft | 360°<br>148.3 ft | Max.<br>148.3 ft | 360°<br>161.4 ft | Max.<br>161.4 ft | 360°<br>174.9 ft | Max.<br>174.9 ft | 360°<br>188.6 ft | Max.<br>188.6 ft | 360°<br>202.1 ft | Max.<br>202.1 ft | 360°<br>223.1 ft | Max.<br>223.1 ft |  |
|------------------------------------------------------------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|--------------------------------------------------------------------------------------|
| ft                                                                                 | 1,000 lbs        |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | ft                                                                                   |
| 24                                                                                 | 65.0             | 75.1             | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                | 24                                                                                   |
| 28                                                                                 | 55.7             | 72.4             | 51.1             | 58.8             | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                | 28                                                                                   |
| 32                                                                                 | 48.9             | 68.6             | 45.9             | 57.5             | 41.7             | 47.9             | -                | -                | -                | -                | -                | -                | -                | -                | 32                                                                                   |
| 36                                                                                 | 43.3             | 64.4             | 40.9             | 55.3             | 38.1             | 46.7             | 34.3             | 37.9             | -                | -                | -                | -                | -                | -                | 36                                                                                   |
| 40                                                                                 | 37.8             | 60.2             | 37.4             | 52.7             | 35.3             | 45.4             | 33.2             | 37.7             | 29.3             | 31.3             | 26.0             | 26.2             | -                | -                | 40                                                                                   |
| 48                                                                                 | 29.1             | 51.6             | 28.8             | 46.8             | 28.5             | 41.7             | 27.6             | 36.9             | 24.8             | 31.0             | 22.0             | 25.8             | 18.7             | 18.9             | 48                                                                                   |
| 56                                                                                 | 23.2             | 43.9             | 22.5             | 40.3             | 22.7             | 37.5             | 22.0             | 34.4             | 20.4             | 30.2             | 18.3             | 25.8             | 16.4             | 18.7             | 56                                                                                   |
| 64                                                                                 | 18.7             | 37.3             | 17.8             | 33.9             | 18.2             | 32.3             | 17.6             | 31.3             | 16.6             | 28.5             | 14.8             | 25.3             | 13.0             | 18.7             | 64                                                                                   |
| 72                                                                                 | 15.3             | 30.5             | 14.4             | 29.4             | 14.6             | 28.1             | 14.2             | 26.5             | 13.3             | 26.5             | 11.7             | 24.1             | 10.2             | 18.7             | 72                                                                                   |
| 80                                                                                 | 12.7             | 26.0             | 12.0             | 26.1             | 12.2             | 23.5             | 11.6             | 23.7             | 10.9             | 22.6             | 9.4              | 22.2             | 7.9              | 18.7             | 80                                                                                   |
| 88                                                                                 | 10.6             | 23.0             | 9.9              | 22.3             | 10.2             | 21.6             | 9.5              | 20.7             | 8.8              | 20.3             | 7.5              | 19.1             | 6.0              | 17.7             | 88                                                                                   |
| 96                                                                                 | 8.9              | 20.5             | 8.2              | 18.8             | 8.4              | 19.2             | 7.8              | 18.5             | 7.1              | 17.6             | 5.8              | 16.6             | 4.2              | 15.4             | 96                                                                                   |
| 104                                                                                | 7.4              | 17.7             | 6.8              | 17.4             | 7.0              | 16.4             | 6.3              | 16.0             | 5.7              | 15.0             | 4.4              | 14.4             | 2.8              | 12.9             | 104                                                                                  |
| 112                                                                                | 6.3              | 15.3             | 5.7              | 15.3             | 5.9              | 14.5             | 5.2              | 14.4             | 4.3              | 13.1             | 3.0              | 12.5             | -                | 10.7             | 112                                                                                  |
| 120                                                                                | 5.3              | 13.6             | 4.6              | 13.2             | 4.8              | 13.2             | 3.9              | 12.1             | 3.3              | 11.7             | -                | 10.9             | -                | 9.3              | 120                                                                                  |
| 128                                                                                | 4.4              | 11.0             | 3.6              | 11.5             | 3.7              | 11.2             | 3.0              | 10.9             | -                | 10.4             | -                | 9.2              | -                | 7.8              | 128                                                                                  |
| 136                                                                                | -                | -                | 2.8              | 10.4             | 2.8              | 9.6              | -                | 9.8              | -                | 8.9              | -                | 7.8              | -                | 6.5              | 136                                                                                  |
| 144                                                                                | -                | -                | -                | -                | -                | 8.4              | -                | 8.4              | -                | 7.6              | -                | 6.5              | -                | 5.1              | 144                                                                                  |
| 152                                                                                | -                | -                | -                | -                | -                | -                | -                | 7.4              | -                | 6.5              | -                | 5.4              | -                | 4.1              | 152                                                                                  |
| 160                                                                                | -                | -                | -                | -                | -                | -                | -                | 6.4              | -                | 5.6              | -                | 4.3              | -                | 3.3              | 160                                                                                  |
| 168                                                                                | -                | -                | -                | -                | -                | -                | -                | -                | -                | 4.7              | -                | 3.4              | -                | -                | 168                                                                                  |
| 176                                                                                | -                | -                | -                | -                | -                | -                | -                | -                | -                | 3.9              | -                | 2.7              | -                | -                | 176                                                                                  |
| 1)                                                                                 | 4.4              | 7.9              | 2.4              | 6.0              | -                | 4.9              | -                | 2.9              | -                | -                | -                | -                | -                | -                | 1)                                                                                   |

1) Capacities with horizontal boom

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



|  13,900 lbs      |                 |  26.70 ft x 17.40 ft |                 |                 |                 |                 |                 |                 |                 | 360° / Max.*     |                  |                  |                  | ASME B30.5                                                                          |     |  |  |
|---------------------------------------------------------------------------------------------------|-----------------|-------------------------------------------------------------------------------------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|------------------|------------------|------------------|------------------|-------------------------------------------------------------------------------------|-----|--|--|
|  360°<br>40.7 ft | Max.<br>40.7 ft | 360°<br>54.1 ft                                                                                       | Max.<br>54.1 ft | 360°<br>67.6 ft | Max.<br>67.6 ft | 360°<br>81.0 ft | Max.<br>81.0 ft | 360°<br>94.5 ft | Max.<br>94.5 ft | 360°<br>107.9 ft | Max.<br>107.9 ft | 360°<br>121.4 ft | Max.<br>121.4 ft |  |     |  |  |
| ft                                                                                                | 1,000 lbs       |                                                                                                       |                 |                 |                 |                 |                 |                 |                 |                  |                  |                  |                  | ft                                                                                  |     |  |  |
| 10                                                                                                | 213.9           | 243.0                                                                                                 | 206.5           | 236.4           | 172.6           | 223.6           | 143.6           | 200.3           | -               | -                | -                | -                | -                | 10                                                                                  |     |  |  |
| 12                                                                                                | 178.3           | 222.0                                                                                                 | 153.6           | 215.4           | 131.7           | 207.8           | 118.7           | 196.5           | 103.0           | 157.0            | -                | -                | -                | 12                                                                                  |     |  |  |
| 14                                                                                                | 133.1           | 202.7                                                                                                 | 119.0           | 197.8           | 109.3           | 192.4           | 97.1            | 184.0           | 87.4            | 157.0            | -                | -                | -                | 14                                                                                  |     |  |  |
| 16                                                                                                | 100.2           | 182.9                                                                                                 | 98.5            | 182.8           | 90.3            | 177.7           | 81.4            | 172.6           | 76.7            | 157.0            | 68.9             | 120.7            | -                | 16                                                                                  |     |  |  |
| 18                                                                                                | 78.4            | 162.1                                                                                                 | 81.7            | 163.5           | 77.3            | 160.9           | 70.9            | 158.1           | 67.1            | 150.1            | 61.7             | 120.4            | -                | 18                                                                                  |     |  |  |
| 20                                                                                                | 60.3            | 142.1                                                                                                 | 66.6            | 143.8           | 65.8            | 143.8           | 63.5            | 143.8           | 58.5            | 139.5            | 55.3             | 117.9            | 51.4             | 94.8                                                                                | 20  |  |  |
| 24                                                                                                | 41.4            | 114.6                                                                                                 | 46.7            | 117.6           | 50.3            | 115.0           | 49.6            | 111.7           | 47.8            | 106.9            | 44.5             | 98.4             | 41.9             | 85.2                                                                                | 24  |  |  |
| 28                                                                                                | 30.2            | 90.3                                                                                                  | 34.7            | 94.7            | 37.9            | 91.8            | 38.9            | 90.8            | 38.8            | 84.7             | 36.7             | 77.0             | 34.8             | 69.9                                                                                | 28  |  |  |
| 32                                                                                                | -               | -                                                                                                     | 26.9            | 75.0            | 29.8            | 76.5            | 30.6            | 75.4            | 31.4            | 69.6             | 30.7             | 62.5             | 29.2             | 59.4                                                                                | 32  |  |  |
| 36                                                                                                | -               | -                                                                                                     | 21.8            | 62.6            | 24.6            | 64.6            | 25.2            | 63.0            | 26.1            | 58.3             | 25.9             | 53.4             | 25.0             | 51.5                                                                                | 36  |  |  |
| 40                                                                                                | -               | -                                                                                                     | 11.0            | 42.5            | 20.0            | 54.9            | 20.7            | 52.0            | 21.5            | 48.3             | 21.5             | 48.1             | 21.1             | 44.0                                                                                | 40  |  |  |
| 48                                                                                                | -               | -                                                                                                     | -               | -               | 14.3            | 37.7            | 14.9            | 37.9            | 15.6            | 38.7             | 15.6             | 36.3             | 15.4             | 34.9                                                                                | 48  |  |  |
| 56                                                                                                | -               | -                                                                                                     | -               | -               | 10.5            | 28.4            | 10.9            | 29.5            | 11.6            | 29.4             | 11.6             | 28.6             | 11.5             | 28.6                                                                                | 56  |  |  |
| 64                                                                                                | -               | -                                                                                                     | -               | -               | -               | -               | 8.2             | 23.1            | 8.9             | 23.2             | 8.9              | 23.4             | 8.6              | 23.0                                                                                | 64  |  |  |
| 72                                                                                                | -               | -                                                                                                     | -               | -               | -               | -               | 6.2             | 18.8            | 6.7             | 19.2             | 6.7              | 19.3             | 6.7              | 19.0                                                                                | 72  |  |  |
| 80                                                                                                | -               | -                                                                                                     | -               | -               | -               | -               | -               | -               | 5.1             | 16.1             | 5.1              | 15.9             | 5.0              | 15.8                                                                                | 80  |  |  |
| 88                                                                                                | -               | -                                                                                                     | -               | -               | -               | -               | -               | -               | -               | -                | 3.7              | 13.3             | 3.5              | 13.1                                                                                | 88  |  |  |
| 96                                                                                                | -               | -                                                                                                     | -               | -               | -               | -               | -               | -               | -               | -                | -                | 11.2             | -                | 10.9                                                                                | 96  |  |  |
| 104                                                                                               | -               | -                                                                                                     | -               | -               | -               | -               | -               | -               | -               | -                | -                | -                | -                | 9.1                                                                                 | 104 |  |  |
| 112                                                                                               | -               | -                                                                                                     | -               | -               | -               | -               | -               | -               | -               | -                | -                | -                | -                | 7.6                                                                                 | 112 |  |  |
| 1)                                                                                                | 22.7            | 45.0                                                                                                  | 13.4            | 32.8            | 9.0             | 25.6            | 6.2             | 18.5            | 4.0             | 13.9             | -                | 10.1             | -                | 7.5                                                                                 | 1)  |  |  |

|  | 360°<br>134.8ft | Max.<br>134.8ft | 360°<br>148.3ft | Max.<br>148.3ft | 360°<br>161.4ft | Max.<br>161.4ft | 360°<br>174.9ft | Max.<br>174.9ft | 360°<br>188.6ft | Max.<br>188.6ft | 360°<br>202.1ft | Max.<br>202.1ft | 360°<br>223.1ft | Max.<br>223.1ft |  |
|------------------------------------------------------------------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|--------------------------------------------------------------------------------------|
| ft                                                                                 | 1,000 lbs       |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 | ft                                                                                   |
| 24                                                                                 | 38,2            | 73,0            | -               | -               | -               | -               | -               | -               | -               | -               | -               | -               | -               | -               | 24                                                                                   |
| 28                                                                                 | 31,7            | 63,7            | 29,6            | 56,0            | -               | -               | -               | -               | -               | -               | -               | -               | -               | -               | 28                                                                                   |
| 32                                                                                 | 26,7            | 54,1            | 24,9            | 50,3            | 24,2            | 45,0            | -               | -               | -               | -               | -               | -               | -               | -               | 32                                                                                   |
| 36                                                                                 | 22,9            | 46,7            | 21,3            | 43,8            | 20,8            | 39,5            | 18,6            | 34,9            | -               | -               | -               | -               | -               | -               | 36                                                                                   |
| 40                                                                                 | 19,5            | 42,2            | 18,1            | 39,1            | 17,7            | 36,5            | 15,8            | 34,2            | 13,8            | 30,0            | 10,7            | 26,1            | -               | -               | 40                                                                                   |
| 48                                                                                 | 14,8            | 32,7            | 13,6            | 32,2            | 13,2            | 30,1            | 11,7            | 28,7            | 9,7             | 25,2            | 7,8             | 22,9            | -               | 18,9            | 48                                                                                   |
| 56                                                                                 | 11,2            | 27,0            | 10,0            | 25,6            | 9,9             | 25,1            | 8,5             | 23,5            | 6,9             | 21,4            | 5,1             | 18,9            | -               | 16,7            | 56                                                                                   |
| 64                                                                                 | 8,4             | 22,2            | 7,3             | 20,9            | 7,3             | 20,7            | 6,0             | 19,1            | 4,6             | 17,3            | 2,7             | 15,3            | -               | 13,2            | 64                                                                                   |
| 72                                                                                 | 6,2             | 18,6            | 5,3             | 17,3            | 5,3             | 17,1            | 4,0             | 15,5            | 2,5             | 14,0            | -               | 12,0            | -               | 10,0            | 72                                                                                   |
| 80                                                                                 | 4,6             | 15,4            | 3,7             | 14,5            | 3,8             | 14,2            | -               | 12,6            | -               | 11,0            | -               | 9,1             | -               | 7,3             | 80                                                                                   |
| 88                                                                                 | 3,1             | 12,6            | -               | 11,8            | -               | 12,1            | -               | 10,5            | -               | 8,7             | -               | 6,9             | -               | 5,1             | 88                                                                                   |
| 96                                                                                 | -               | 10,5            | -               | 9,6             | -               | 9,9             | -               | 8,7             | -               | 7,0             | -               | 5,1             | -               | 3,4             | 96                                                                                   |
| 104                                                                                | -               | 8,6             | -               | 7,7             | -               | 7,9             | -               | 7,0             | -               | 5,5             | -               | 3,5             | -               | -               | 104                                                                                  |
| 112                                                                                | -               | 7,0             | -               | 6,3             | -               | 6,5             | -               | 5,7             | -               | 4,1             | -               | -               | -               | -               | 112                                                                                  |
| 120                                                                                | -               | 5,9             | -               | 5,0             | -               | 5,3             | -               | 4,4             | -               | 3,1             | -               | -               | -               | -               | 120                                                                                  |
| 128                                                                                | -               | 4,7             | -               | 4,0             | -               | 4,2             | -               | 3,3             | -               | -               | -               | -               | -               | -               | 128                                                                                  |
| 136                                                                                | -               | -               | -               | 3,0             | -               | 3,1             | -               | 2,4             | -               | -               | -               | -               | -               | -               | 136                                                                                  |
| 144                                                                                | -               | -               | -               | -               | -               | 2,2             | -               | -               | -               | -               | -               | -               | -               | -               | 144                                                                                  |
| 1)                                                                                 | -               | 4.9             | -               | 2.6             | -               | -               | -               | -               | -               | -               | -               | -               | -               | -               | 1)                                                                                   |

1) Capacities with horizontal boom

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

|  8,200 lbs |                 |  26.70 ft x 17.40 ft |                 | 360° / Max.*    |                 |                 |                 |                 |                 |                 |                  | ASME B30.5       |                  |                  |                                                                                     |
|---------------------------------------------------------------------------------------------|-----------------|-------------------------------------------------------------------------------------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|------------------|------------------|------------------|------------------|-------------------------------------------------------------------------------------|
|            | 360°<br>40.7 ft | Max.<br>40.7 ft                                                                                       | 360°<br>54.1 ft | Max.<br>54.1 ft | 360°<br>67.6 ft | Max.<br>67.6 ft | 360°<br>81.0 ft | Max.<br>81.0 ft | 360°<br>94.5 ft | Max.<br>94.5 ft | 360°<br>107.9 ft | Max.<br>107.9 ft | 360°<br>121.4 ft | Max.<br>121.4 ft |  |
| ft                                                                                          | 1,000 lbs       |                                                                                                       |                 |                 |                 |                 |                 |                 |                 |                 |                  |                  |                  |                  | ft                                                                                  |
| 10                                                                                          | 211.2           | 243.0                                                                                                 | 190.4           | 236.4           | 156.0           | 223.6           | 136.0           | 200.3           | -               | -               | -                | -                | -                | -                | 10                                                                                  |
| 12                                                                                          | 160.7           | 222.0                                                                                                 | 138.3           | 215.4           | 123.2           | 207.8           | 107.2           | 196.5           | 94.5            | 157.0           | -                | -                | -                | -                | 12                                                                                  |
| 14                                                                                          | 118.8           | 202.7                                                                                                 | 108.0           | 197.8           | 98.4            | 192.4           | 87.5            | 184.0           | 81.2            | 157.0           | -                | -                | -                | -                | 14                                                                                  |
| 16                                                                                          | 89.5            | 180.3                                                                                                 | 88.4            | 180.8           | 81.1            | 177.7           | 75.5            | 172.6           | 69.0            | 157.0           | 61.9             | 120.7            | -                | -                | 16                                                                                  |
| 18                                                                                          | 70.0            | 158.8                                                                                                 | 73.3            | 160.6           | 69.4            | 159.5           | 66.0            | 154.3           | 60.3            | 144.2           | 56.4             | 119.2            | -                | -                | 18                                                                                  |
| 20                                                                                          | 53.6            | 139.1                                                                                                 | 59.7            | 140.8           | 60.4            | 140.3           | 56.9            | 141.1           | 53.7            | 127.8           | 49.4             | 115.5            | 46.2             | 93.9             | 20                                                                                  |
| 24                                                                                          | 36.4            | 111.7                                                                                                 | 41.6            | 113.0           | 45.2            | 109.5           | 44.5            | 104.6           | 42.7            | 100.3           | 39.7             | 89.9             | 37.4             | 78.1             | 24                                                                                  |
| 28                                                                                          | 26.2            | 84.5                                                                                                  | 30.8            | 88.3            | 33.9            | 86.0            | 34.8            | 86.1            | 34.6            | 77.2            | 32.6             | 68.9             | 30.8             | 64.3             | 28                                                                                  |
| 32                                                                                          | -               | -                                                                                                     | 23.6            | 71.7            | 26.4            | 72.5            | 27.3            | 68.1            | 28.1            | 62.7            | 27.2             | 58.3             | 25.7             | 54.4             | 32                                                                                  |
| 36                                                                                          | -               | -                                                                                                     | 18.9            | 58.7            | 21.6            | 59.9            | 22.5            | 56.3            | 23.2            | 52.0            | 22.8             | 50.8             | 21.9             | 46.5             | 36                                                                                  |
| 40                                                                                          | -               | -                                                                                                     | 8.6             | 36.7            | 17.4            | 49.1            | 18.3            | 47.2            | 18.9            | 45.7            | 18.9             | 42.9             | 18.5             | 40.6             | 40                                                                                  |
| 48                                                                                          | -               | -                                                                                                     | -               | -               | 12.3            | 34.5            | 12.8            | 34.6            | 13.5            | 35.4            | 13.5             | 32.9             | 13.5             | 32.1             | 48                                                                                  |
| 56                                                                                          | -               | -                                                                                                     | -               | -               | 8.8             | 25.9            | 9.4             | 26.6            | 9.9             | 26.4            | 9.9              | 27.0             | 9.9              | 26.3             | 56                                                                                  |
| 64                                                                                          | -               | -                                                                                                     | -               | -               | -               | -               | 6.9             | 21.0            | 7.5             | 21.5            | 7.5              | 21.8             | 7.3              | 21.3             | 64                                                                                  |
| 72                                                                                          | -               | -                                                                                                     | -               | -               | -               | -               | 5.1             | 16.8            | 5.6             | 17.5            | 5.6              | 17.5             | 5.3              | 17.3             | 72                                                                                  |
| 80                                                                                          | -               | -                                                                                                     | -               | -               | -               | -               | -               | -               | 4.0             | 14.4            | 4.0              | 14.3             | 3.8              | 14.1             | 80                                                                                  |
| 88                                                                                          | -               | -                                                                                                     | -               | -               | -               | -               | -               | -               | -               | -               | -                | 11.8             | -                | 11.6             | 88                                                                                  |
| 96                                                                                          | -               | -                                                                                                     | -               | -               | -               | -               | -               | -               | -               | -               | -                | 9.8              | -                | 9.6              | 96                                                                                  |
| 104                                                                                         | -               | -                                                                                                     | -               | -               | -               | -               | -               | -               | -               | -               | -                | -                | -                | 7.9              | 104                                                                                 |
| 112                                                                                         | -               | -                                                                                                     | -               | -               | -               | -               | -               | -               | -               | -               | -                | -                | -                | 6.5              | 112                                                                                 |
| 1)                                                                                          | 19.4            | 45.0                                                                                                  | 11.2            | 32.8            | 7.5             | 23.4            | 4.9             | 16.8            | 2.9             | 12.3            | -                | 8.8              | -                | 6.2              | 1)                                                                                  |

|  | 360°<br>134.8 ft | Max.<br>134.8 ft | 360°<br>148.3 ft | Max.<br>148.3 ft | 360°<br>161.4 ft | Max.<br>161.4 ft | 360°<br>174.9 ft | Max.<br>174.9 ft | 360°<br>188.6 ft | Max.<br>188.6 ft | 360°<br>202.1 ft | Max.<br>202.1 ft | 360°<br>223.1 ft | Max.<br>223.1 ft |  |
|------------------------------------------------------------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|--------------------------------------------------------------------------------------|
| ft                                                                                 | 1,000 lbs        |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | ft                                                                                   |
| 24                                                                                 | 34.0             | 69.0             | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                | 24                                                                                   |
| 28                                                                                 | 28.0             | 59.3             | 25.9             | 52.5             | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                | 28                                                                                   |
| 32                                                                                 | 23.4             | 49.3             | 21.7             | 46.6             | 21.0             | 41.7             | -                | -                | -                | -                | -                | -                | -                | -                | 32                                                                                   |
| 36                                                                                 | 19.9             | 43.8             | 18.5             | 40.9             | 17.9             | 37.5             | 15.9             | 33.7             | -                | -                | -                | -                | -                | -                | 36                                                                                   |
| 40                                                                                 | 16.8             | 38.4             | 15.5             | 37.4             | 15.1             | 34.3             | 13.4             | 31.8             | 11.4             | 29.2             | 8.3              | 25.8             | -                | -                | 40                                                                                   |
| 48                                                                                 | 12.5             | 30.6             | 11.2             | 29.2             | 11.1             | 28.6             | 9.5              | 26.2             | 7.8              | 23.5             | 5.8              | 21.3             | -                | 18.1             | 48                                                                                   |
| 56                                                                                 | 9.3              | 24.5             | 8.1              | 23.3             | 8.1              | 22.9             | 6.7              | 21.1             | 5.1              | 19.0             | -                | 16.4             | -                | 14.5             | 56                                                                                   |
| 64                                                                                 | 6.8              | 20.0             | 5.7              | 18.7             | 5.7              | 18.5             | 4.4              | 17.1             | 2.9              | 15.3             | -                | 13.2             | -                | 11.0             | 64                                                                                   |
| 72                                                                                 | 4.9              | 16.4             | 3.8              | 15.3             | 3.8              | 15.1             | 2.5              | 13.7             | -                | 12.0             | -                | 10.0             | -                | 8.0              | 72                                                                                   |
| 80                                                                                 | 3.3              | 13.9             | -                | 12.6             | -                | 12.3             | -                | 10.9             | -                | 9.1              | -                | 7.4              | -                | 5.6              | 80                                                                                   |
| 88                                                                                 | -                | 11.2             | -                | 10.3             | -                | 10.4             | -                | 8.8              | -                | 7.1              | -                | 5.3              | -                | 3.6              | 88                                                                                   |
| 96                                                                                 | -                | 9.2              | -                | 8.3              | -                | 8.5              | -                | 7.1              | -                | 5.3              | -                | 3.6              | -                | -                | 96                                                                                   |
| 104                                                                                | -                | 7.5              | -                | 6.6              | -                | 6.8              | -                | 5.7              | -                | 3.9              | -                | -                | -                | -                | 104                                                                                  |
| 112                                                                                | -                | 5.9              | -                | 5.2              | -                | 5.4              | -                | 4.3              | -                | -                | -                | -                | -                | -                | 112                                                                                  |
| 120                                                                                | -                | 4.8              | -                | 3.9              | -                | 4.2              | -                | 3.3              | -                | -                | -                | -                | -                | -                | 120                                                                                  |
| 128                                                                                | -                | 3.7              | -                | 3.0              | -                | 3.1              | -                | -                | -                | -                | -                | -                | -                | -                | 128                                                                                  |
| 1)                                                                                 | -                | 3.7              | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                | 1)                                                                                   |

1) Capacities with horizontal boom

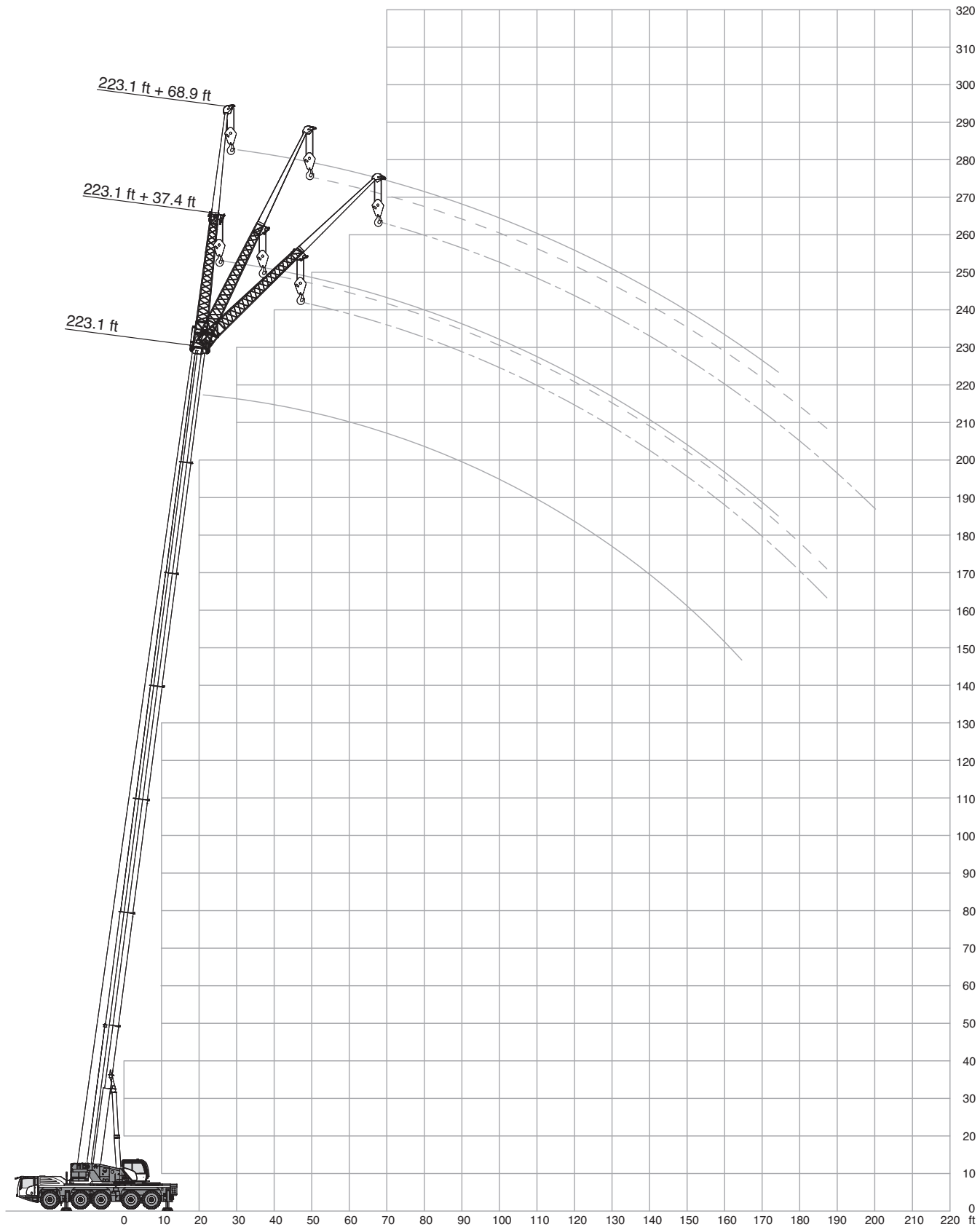
\* Max. values are valid only for specific superstructure positions

|  8,200 lbs |                 |  26.70 ft x 8.30 ft |                 | 360° / Max.*    |                 |                 |                 |                 |                 |                 |                  | ASME B30.5       |                  |                  |                                                                                     |
|---------------------------------------------------------------------------------------------|-----------------|------------------------------------------------------------------------------------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|------------------|------------------|------------------|------------------|-------------------------------------------------------------------------------------|
|            | 360°<br>40.7 ft | Max.<br>40.7 ft                                                                                      | 360°<br>54.1 ft | Max.<br>54.1 ft | 360°<br>67.6 ft | Max.<br>67.6 ft | 360°<br>81.0 ft | Max.<br>81.0 ft | 360°<br>94.5 ft | Max.<br>94.5 ft | 360°<br>107.9 ft | Max.<br>107.9 ft | 360°<br>121.4 ft | Max.<br>121.4 ft |  |
| ft                                                                                          | 1,000 lbs       |                                                                                                      |                 |                 |                 |                 |                 |                 |                 |                 |                  |                  |                  |                  | ft                                                                                  |
| 10                                                                                          | 56.7            | 243.0                                                                                                | 55.3            | 236.4           | 52.6            | 170.6           | 48.3            | 107.3           | -               | -               | -                | -                | -                | -                | 10                                                                                  |
| 12                                                                                          | 42.9            | 222.0                                                                                                | 44.7            | 215.4           | 43.4            | 171.9           | 40.3            | 109.0           | 36.2            | 78.7            | -                | -                | -                | -                | 12                                                                                  |
| 14                                                                                          | 31.6            | 202.7                                                                                                | 36.3            | 197.8           | 36.3            | 176.1           | 34.0            | 110.8           | 32.1            | 79.5            | -                | -                | -                | -                | 14                                                                                  |
| 16                                                                                          | 24.1            | 180.3                                                                                                | 29.0            | 180.8           | 30.8            | 175.7           | 29.1            | 112.9           | 27.7            | 80.5            | 23.4             | 59.6             | -                | -                | 16                                                                                  |
| 18                                                                                          | 19.2            | 158.8                                                                                                | 23.7            | 160.6           | 26.1            | 159.0           | 25.3            | 114.1           | 24.3            | 78.1            | 22.1             | 61.1             | -                | -                | 18                                                                                  |
| 20                                                                                          | 15.0            | 139.1                                                                                                | 19.1            | 140.2           | 22.0            | 138.3           | 21.8            | 113.7           | 21.2            | 79.3            | 19.3             | 61.0             | 18.0             | 49.4             | 20                                                                                  |
| 24                                                                                          | 9.5             | 108.1                                                                                                | 13.4            | 108.4           | 16.0            | 99.1            | 16.7            | 95.3            | 16.4            | 78.8            | 15.2             | 62.4             | 14.2             | 49.7             | 24                                                                                  |
| 28                                                                                          | 5.4             | 75.8                                                                                                 | 9.6             | 78.0            | 11.9            | 77.2            | 12.6            | 72.2            | 13.0            | 66.4            | 12.1             | 61.3             | 11.2             | 49.5             | 28                                                                                  |
| 32                                                                                          | -               | -                                                                                                    | 6.7             | 59.7            | 8.9             | 60.6            | 9.6             | 57.1            | 10.2            | 54.8            | 9.5              | 52.5             | 8.8              | 47.9             | 32                                                                                  |
| 36                                                                                          | -               | -                                                                                                    | 4.3             | 46.8            | 6.9             | 48.4            | 7.5             | 47.1            | 8.2             | 47.1            | 7.6              | 44.0             | 7.0              | 41.6             | 36                                                                                  |
| 40                                                                                          | -               | -                                                                                                    | -               | 27.6            | 5.0             | 39.3            | 5.7             | 40.2            | 6.4             | 39.4            | 6.0              | 38.0             | 5.3              | 36.3             | 40                                                                                  |
| 48                                                                                          | -               | -                                                                                                    | -               | -               | -               | 28.2            | -               | 28.6            | 3.6             | 29.2            | 3.4              | 28.9             | -                | 28.3             | 48                                                                                  |
| 56                                                                                          | -               | -                                                                                                    | -               | -               | -               | 21.5            | -               | 22.1            | -               | 22.5            | -                | 22.2             | -                | 22.1             | 56                                                                                  |
| 64                                                                                          | -               | -                                                                                                    | -               | -               | -               | -               | -               | 17.4            | -               | 17.8            | -                | 17.6             | -                | 17.4             | 64                                                                                  |
| 72                                                                                          | -               | -                                                                                                    | -               | -               | -               | -               | -               | 14.2            | -               | 14.4            | -                | 14.2             | -                | 13.9             | 72                                                                                  |
| 80                                                                                          | -               | -                                                                                                    | -               | -               | -               | -               | -               | -               | -               | 11.7            | -                | 11.6             | -                | 11.3             | 80                                                                                  |
| 88                                                                                          | -               | -                                                                                                    | -               | -               | -               | -               | -               | -               | -               | -               | -                | 9.4              | -                | 9.1              | 88                                                                                  |
| 96                                                                                          | -               | -                                                                                                    | -               | -               | -               | -               | -               | -               | -               | -               | -                | 7.5              | -                | 7.3              | 96                                                                                  |
| 104                                                                                         | -               | -                                                                                                    | -               | -               | -               | -               | -               | -               | -               | -               | -                | -                | -                | 5.9              | 104                                                                                 |
| 112                                                                                         | -               | -                                                                                                    | -               | -               | -               | -               | -               | -               | -               | -               | -                | -                | -                | 4.6              | 112                                                                                 |
| 1)                                                                                          | 2.2             | 45.0                                                                                                 | -               | 28.7            | -               | 19.6            | -               | 13.9            | -               | 10.1            | -                | 7.1              | -                | 4.6              | 1)                                                                                  |

|  | 360°<br>134.8 ft | Max.<br>134.8 ft | 360°<br>148.3 ft | Max.<br>148.3 ft | 360°<br>161.4 ft | Max.<br>161.4 ft | 360°<br>174.9 ft | Max.<br>174.9 ft | 360°<br>188.6 ft | Max.<br>188.6 ft | 360°<br>202.1 ft | Max.<br>202.1 ft | 360°<br>223.1 ft | Max.<br>223.1 ft |  |
|------------------------------------------------------------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|--------------------------------------------------------------------------------------|
| ft                                                                                 | 1,000 lbs        |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | ft                                                                                   |
| 24                                                                                 | 12.0             | 39.6             | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                | 24                                                                                   |
| 28                                                                                 | 9.5              | 40.3             | 8.2              | 32.7             | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                | 28                                                                                   |
| 32                                                                                 | 7.4              | 41.1             | 6.1              | 33.2             | 6.1              | 28.2             | -                | -                | -                | -                | -                | -                | -                | -                | 32                                                                                   |
| 36                                                                                 | 5.8              | 38.2             | 4.6              | 33.4             | 4.6              | 28.5             | -                | 23.1             | -                | -                | -                | -                | -                | -                | 36                                                                                   |
| 40                                                                                 | 4.2              | 34.4             | -                | 32.9             | -                | 28.6             | -                | 23.4             | -                | 17.9             | -                | 13.3             | -                | -                | 40                                                                                   |
| 48                                                                                 | -                | 26.7             | -                | 25.4             | -                | 24.9             | -                | 22.8             | -                | 18.2             | -                | 13.8             | -                | 10.0             | 48                                                                                   |
| 56                                                                                 | -                | 21.2             | -                | 19.9             | -                | 19.8             | -                | 18.2             | -                | 16.3             | -                | 13.4             | -                | 10.3             | 56                                                                                   |
| 64                                                                                 | -                | 17.0             | -                | 15.9             | -                | 15.8             | -                | 14.4             | -                | 12.6             | -                | 10.6             | -                | 8.5              | 64                                                                                   |
| 72                                                                                 | -                | 13.3             | -                | 12.4             | -                | 12.6             | -                | 11.1             | -                | 9.3              | -                | 7.6              | -                | 5.8              | 72                                                                                   |
| 80                                                                                 | -                | 10.9             | -                | 9.8              | -                | 10.0             | -                | 8.7              | -                | 7.2              | -                | 5.2              | -                | 3.5              | 80                                                                                   |
| 88                                                                                 | -                | 8.6              | -                | 7.7              | -                | 7.8              | -                | 6.6              | -                | 5.2              | -                | 3.4              | -                | -                | 88                                                                                   |
| 96                                                                                 | -                | 6.7              | -                | 6.0              | -                | 6.2              | -                | 5.0              | -                | 3.6              | -                | -                | -                | -                | 96                                                                                   |
| 104                                                                                | -                | 5.4              | -                | 4.4              | -                | 4.6              | -                | 3.7              | -                | 2.3              | -                | -                | -                | -                | 104                                                                                  |
| 112                                                                                | -                | 4.1              | -                | 3.2              | -                | 3.5              | -                | -                | -                | -                | -                | -                | -                | -                | 112                                                                                  |
| 120                                                                                | -                | 3.1              | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                | 120                                                                                  |
| 1)                                                                                 | -                | 2.2              | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                | -                | 1)                                                                                   |

1) Capacities with horizontal boom

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



# Operation

HAV

|  101,400 lbs                                                                       |  |           |      |      |         |      |     |  26.70 ft x 24.60 ft |     |                                                                                                                                                                     |           |         |      |      |         | 360°                                                                                       |     |  |  |  |  |  |  | ASME B30.5 |  |  |  |  |  |  |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------|------|------|---------|------|-----|-------------------------------------------------------------------------------------------------------|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|---------|------|------|---------|--------------------------------------------------------------------------------------------|-----|--|--|--|--|--|--|------------|--|--|--|--|--|--|--|
|  40.7 ft                                                                           |  |           |      |      |         |      |     |                                                                                                       |     |                                                                                                                                                                     |           |         |      |      |         |  121.4 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 lbs |      |      |         |      |     |                                                                                                       | ft  |                                                                                                                                                                     | 1,000 lbs |         |      |      |         |                                                                                            |     |  |  |  |  |  |  |            |  |  |  |  |  |  |  |
| 10                                                                                                                                                                  |  | 41.2      | -    | -    | 22.2    | -    | -   |                                                                                                       | 24  |                                                                                                                                                                     | 39.0      | -       | -    | -    | -       | -                                                                                          | -   |  |  |  |  |  |  |            |  |  |  |  |  |  |  |
| 12                                                                                                                                                                  |  | 41.2      | -    | -    | 22.0    | -    | -   |                                                                                                       | 28  |                                                                                                                                                                     | 38.6      | -       | -    | 16.6 | -       | -                                                                                          | -   |  |  |  |  |  |  |            |  |  |  |  |  |  |  |
| 14                                                                                                                                                                  |  | 41.2      | -    | -    | 21.9    | -    | -   |                                                                                                       | 32  |                                                                                                                                                                     | 38.2      | -       | -    | 16.4 | -       | -                                                                                          | -   |  |  |  |  |  |  |            |  |  |  |  |  |  |  |
| 16                                                                                                                                                                  |  | 41.2      | -    | -    | 21.7    | -    | -   |                                                                                                       | 36  |                                                                                                                                                                     | 37.7      | -       | -    | 16.1 | -       | -                                                                                          | -   |  |  |  |  |  |  |            |  |  |  |  |  |  |  |
| 18                                                                                                                                                                  |  | 41.2      | -    | -    | 21.4    | -    | -   |                                                                                                       | 40  |                                                                                                                                                                     | 37.2      | 29.2    | -    | 15.9 | -       | -                                                                                          | -   |  |  |  |  |  |  |            |  |  |  |  |  |  |  |
| 20                                                                                                                                                                  |  | 41.2      | 34.8 | -    | 21.1    | -    | -   |                                                                                                       | 48  |                                                                                                                                                                     | 35.6      | 27.3    | 21.4 | 15.5 | -       | -                                                                                          | -   |  |  |  |  |  |  |            |  |  |  |  |  |  |  |
| 24                                                                                                                                                                  |  | 41.2      | 31.9 | -    | 20.5    | -    | -   |                                                                                                       | 56  |                                                                                                                                                                     | 33.0      | 25.5    | 20.6 | 15.1 | 12.8    | -                                                                                          | -   |  |  |  |  |  |  |            |  |  |  |  |  |  |  |
| 28                                                                                                                                                                  |  | 39.6      | 29.5 | -    | 19.7    | -    | -   |                                                                                                       | 64  |                                                                                                                                                                     | 30.1      | 23.9    | 20.0 | 14.7 | 12.1    | -                                                                                          | -   |  |  |  |  |  |  |            |  |  |  |  |  |  |  |
| 32                                                                                                                                                                  |  | 35.8      | 27.5 | 22.5 | 18.9    | -    | -   |                                                                                                       | 72  |                                                                                                                                                                     | 27.4      | 22.5    | 19.4 | 14.1 | 11.5    | -                                                                                          | -   |  |  |  |  |  |  |            |  |  |  |  |  |  |  |
| 36                                                                                                                                                                  |  | 32.7      | 25.8 | 21.5 | 17.9    | -    | -   |                                                                                                       | 80  |                                                                                                                                                                     | 25.3      | 21.2    | 18.9 | 13.8 | 10.9    | 9.0                                                                                        | -   |  |  |  |  |  |  |            |  |  |  |  |  |  |  |
| 40                                                                                                                                                                  |  | 29.9      | 24.3 | 20.6 | 16.8    | 13.6 | -   |                                                                                                       | 88  |                                                                                                                                                                     | 23.5      | 20.1    | 18.3 | 13.3 | 10.4    | 8.7                                                                                        | -   |  |  |  |  |  |  |            |  |  |  |  |  |  |  |
| 48                                                                                                                                                                  |  | 25.7      | 21.7 | 19.3 | 14.9    | 12.3 | -   |                                                                                                       | 96  |                                                                                                                                                                     | 21.9      | 19.1    | 17.8 | 12.7 | 9.9     | 8.5                                                                                        | -   |  |  |  |  |  |  |            |  |  |  |  |  |  |  |
| 56                                                                                                                                                                  |  | 22.3      | 19.9 | 18.6 | 13.2    | 11.2 | 9.7 |                                                                                                       | 104 |                                                                                                                                                                     | 20.6      | 18.2    | 17.3 | 12.0 | 9.5     | 8.4                                                                                        | -   |  |  |  |  |  |  |            |  |  |  |  |  |  |  |
| 64                                                                                                                                                                  |  | 19.8      | 18.7 | -    | 11.7    | 10.3 | 9.1 |                                                                                                       | 112 |                                                                                                                                                                     | 18.4      | 17.4    | 17.0 | 11.2 | 9.2     | 8.2                                                                                        | -   |  |  |  |  |  |  |            |  |  |  |  |  |  |  |
| 72                                                                                                                                                                  |  | -         | -    | -    | 10.6    | 9.5  | 8.6 |                                                                                                       | 120 |                                                                                                                                                                     | 16.0      | 16.5    | 16.5 | 10.7 | 9.0     | 8.1                                                                                        | -   |  |  |  |  |  |  |            |  |  |  |  |  |  |  |
| 80                                                                                                                                                                  |  | -         | -    | -    | 9.8     | 9.0  | 8.3 |                                                                                                       | 128 |                                                                                                                                                                     | 13.9      | 14.5    | 7.6  | 10.1 | 8.7     | 7.9                                                                                        | -   |  |  |  |  |  |  |            |  |  |  |  |  |  |  |
| 88                                                                                                                                                                  |  | -         | -    | -    | 9.1     | 8.5  | 8.2 |                                                                                                       | 136 |                                                                                                                                                                     | 12.3      | 12.5    | -    | 9.6  | 8.4     | 7.9                                                                                        | -   |  |  |  |  |  |  |            |  |  |  |  |  |  |  |
| 96                                                                                                                                                                  |  | -         | -    | -    | 8.5     | 8.2  | -   |                                                                                                       | 144 |                                                                                                                                                                     | 11.3      | 11.3    | -    | 9.3  | 8.2     | 7.9                                                                                        | -   |  |  |  |  |  |  |            |  |  |  |  |  |  |  |
|                                                                                                                                                                     |  |           |      |      |         |      |     |                                                                                                       | 152 |                                                                                                                                                                     | 5.9       | -       | -    | 8.8  | 8.2     | 7.9                                                                                        | -   |  |  |  |  |  |  |            |  |  |  |  |  |  |  |
|                                                                                                                                                                     |  |           |      |      |         |      |     |                                                                                                       | 160 |                                                                                                                                                                     | -         | -       | -    | 8.5  | 8.2     | 4.7                                                                                        | -   |  |  |  |  |  |  |            |  |  |  |  |  |  |  |
|                                                                                                                                                                     |  |           |      |      |         |      |     |                                                                                                       | 168 |                                                                                                                                                                     | -         | -       | -    | 8.0  | 7.8     | -                                                                                          | -   |  |  |  |  |  |  |            |  |  |  |  |  |  |  |
|                                                                                                                                                                     |  |           |      |      |         |      |     |                                                                                                       | 176 |                                                                                                                                                                     | -         | -       | -    | 7.6  | 7.0     | -                                                                                          | -   |  |  |  |  |  |  |            |  |  |  |  |  |  |  |

|  202.1 ft |                                                                                     |           |      |      |         |     |     |
|----------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-----------|------|------|---------|-----|-----|
|           |  | 37.4 ft   |      |      | 68.9 ft |     |     |
|                                                                                              |                                                                                     | 0°        | 20°  | 40°  | 0°      | 20° | 40° |
| ft                                                                                           |                                                                                     | 1,000 lbs |      |      |         |     |     |
| 48                                                                                           |                                                                                     | 13.2      | -    | -    | -       | -   | -   |
| 56                                                                                           |                                                                                     | 13.2      | -    | -    | 7.7     | -   | -   |
| 64                                                                                           |                                                                                     | 13.2      | -    | -    | 7.7     | -   | -   |
| 72                                                                                           |                                                                                     | 13.2      | -    | -    | 7.7     | -   | -   |
| 80                                                                                           |                                                                                     | 13.2      | 13.2 | -    | 7.7     | -   | -   |
| 88                                                                                           |                                                                                     | 13.2      | 13.2 | 13.2 | 7.7     | -   | -   |
| 96                                                                                           |                                                                                     | 13.2      | 13.2 | 13.2 | 7.7     | 7.7 | -   |
| 104                                                                                          |                                                                                     | 13.2      | 13.2 | 13.2 | 7.7     | 7.7 | -   |
| 112                                                                                          |                                                                                     | 12.7      | 12.7 | 12.5 | 7.7     | 7.7 | 7.5 |
| 120                                                                                          |                                                                                     | 11.9      | 11.9 | 11.9 | 7.7     | 7.7 | 7.5 |
| 128                                                                                          |                                                                                     | 11.1      | 11.1 | 11.1 | 7.7     | 7.7 | 7.5 |
| 136                                                                                          |                                                                                     | 10.3      | 10.3 | 10.3 | 7.7     | 7.7 | 7.5 |
| 144                                                                                          |                                                                                     | 9.1       | 9.5  | 9.7  | 7.5     | 7.5 | 7.5 |
| 152                                                                                          |                                                                                     | 7.8       | 8.6  | 8.7  | 7.2     | 7.2 | 7.2 |
| 160                                                                                          |                                                                                     | 6.5       | 7.3  | 7.7  | 6.6     | 6.9 | 6.7 |
| 168                                                                                          |                                                                                     | 5.8       | 6.1  | 6.5  | 5.5     | 6.3 | 6.5 |
| 176                                                                                          |                                                                                     | 5.0       | 5.4  | 5.4  | 4.7     | 5.6 | 6.2 |
| 184                                                                                          |                                                                                     | 4.2       | 4.6  | 4.7  | 4.1     | 4.7 | 5.5 |
| 192                                                                                          |                                                                                     | 3.4       | 3.8  | 4.0  | 3.4     | 4.0 | 4.6 |
| 200                                                                                          |                                                                                     | 2.5       | 3.0  | 3.0  | 2.5     | 3.4 | 3.7 |
| 208                                                                                          |                                                                                     | -         | -    | -    | -       | -   | 3.1 |
| 216                                                                                          |                                                                                     | -         | -    | -    | -       | -   | 2.5 |

|  223.1 ft |                                                                                     |           |     |     |         |     |     |
|----------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-----------|-----|-----|---------|-----|-----|
|           |  | 37.4 ft   |     |     | 68.9 ft |     |     |
|                                                                                              |                                                                                     | 0°        | 20° | 40° | 0°      | 20° | 40° |
| ft                                                                                           |                                                                                     | 1,000 lbs |     |     |         |     |     |
| 56                                                                                           |                                                                                     | 9.5       | -   | -   | -       | -   | -   |
| 64                                                                                           |                                                                                     | 9.5       | -   | -   | -       | -   | -   |
| 72                                                                                           |                                                                                     | 9.5       | -   | -   | 5.7     | -   | -   |
| 80                                                                                           |                                                                                     | 9.5       | 9.5 | -   | 5.7     | -   | -   |
| 88                                                                                           |                                                                                     | 9.5       | 9.5 | -   | 5.7     | -   | -   |
| 96                                                                                           |                                                                                     | 9.5       | 9.5 | 9.5 | 5.7     | -   | -   |
| 104                                                                                          |                                                                                     | 9.5       | 9.5 | 9.5 | 5.7     | -   | -   |
| 112                                                                                          |                                                                                     | 9.5       | 9.5 | 9.5 | 5.7     | -   | -   |
| 120                                                                                          |                                                                                     | 9.5       | 9.5 | 9.5 | 5.7     | -   | -   |
| 128                                                                                          |                                                                                     | 9.4       | 9.5 | 9.5 | 5.7     | -   | -   |
| 136                                                                                          |                                                                                     | 8.8       | 9.2 | 9.2 | 5.7     | -   | -   |
| 144                                                                                          |                                                                                     | 8.2       | 8.4 | 8.4 | 5.7     | -   | -   |
| 152                                                                                          |                                                                                     | 7.3       | 7.6 | 7.8 | 5.7     | -   | -   |
| 160                                                                                          |                                                                                     | 6.1       | 6.8 | 7.0 | 5.5     | -   | -   |
| 168                                                                                          |                                                                                     | 5.0       | 5.9 | 6.1 | 4.6     | -   | -   |
| 176                                                                                          |                                                                                     | 3.9       | 4.8 | 5.0 | 3.7     | -   | -   |
| 184                                                                                          |                                                                                     | 3.1       | 3.7 | 4.0 | 3.0     | -   | -   |

| 71,900 lbs  26.70 ft x 24.60 ft |  |           |      |      |         |      |     | 360° ASME B30.5                                                                            |  |           |      |      |         |      |     |
|------------------------------------------------------------------------------------------------------------------|--|-----------|------|------|---------|------|-----|--------------------------------------------------------------------------------------------|--|-----------|------|------|---------|------|-----|
|  40.7 ft                        |  |           |      |      |         |      |     |  121.4 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 lbs |      |      |         |      |     | ft                                                                                         |  | 1,000 lbs |      |      |         |      |     |
| 10                                                                                                               |  | 41.2      | -    | -    | 22.2    | -    | -   | 24                                                                                         |  | 39.0      | -    | -    | -       | -    | -   |
| 12                                                                                                               |  | 41.2      | -    | -    | 22.0    | -    | -   | 28                                                                                         |  | 38.6      | -    | -    | 16.6    | -    | -   |
| 14                                                                                                               |  | 41.2      | -    | -    | 21.9    | -    | -   | 32                                                                                         |  | 38.2      | -    | -    | 16.4    | -    | -   |
| 16                                                                                                               |  | 41.2      | -    | -    | 21.7    | -    | -   | 36                                                                                         |  | 37.7      | -    | -    | 16.1    | -    | -   |
| 18                                                                                                               |  | 41.2      | -    | -    | 21.4    | -    | -   | 40                                                                                         |  | 37.2      | 29.2 | -    | 15.9    | -    | -   |
| 20                                                                                                               |  | 41.2      | 34.8 | -    | 21.1    | -    | -   | 48                                                                                         |  | 35.6      | 27.3 | 21.4 | 15.5    | -    | -   |
| 24                                                                                                               |  | 41.2      | 31.9 | -    | 20.5    | -    | -   | 56                                                                                         |  | 33.0      | 25.5 | 20.6 | 15.1    | 12.8 | -   |
| 28                                                                                                               |  | 39.6      | 29.5 | -    | 19.7    | -    | -   | 64                                                                                         |  | 30.1      | 23.9 | 20.0 | 14.7    | 12.1 | -   |
| 32                                                                                                               |  | 35.8      | 27.5 | 22.5 | 18.9    | -    | -   | 72                                                                                         |  | 27.4      | 22.5 | 19.4 | 14.1    | 11.5 | -   |
| 36                                                                                                               |  | 32.7      | 25.8 | 21.5 | 17.9    | -    | -   | 80                                                                                         |  | 24.7      | 21.2 | 18.9 | 13.8    | 10.9 | 9.0 |
| 40                                                                                                               |  | 29.9      | 24.3 | 20.6 | 16.8    | 13.6 | -   | 88                                                                                         |  | 21.4      | 20.1 | 18.3 | 13.3    | 10.4 | 8.7 |
| 48                                                                                                               |  | 25.7      | 21.7 | 19.3 | 14.9    | 12.3 | -   | 96                                                                                         |  | 18.2      | 18.8 | 17.8 | 12.7    | 9.9  | 8.5 |
| 56                                                                                                               |  | 22.3      | 19.9 | 18.6 | 13.2    | 11.2 | 9.7 | 104                                                                                        |  | 15.8      | 16.5 | 16.9 | 12.0    | 9.5  | 8.4 |
| 64                                                                                                               |  | 19.8      | 18.7 | -    | 11.7    | 10.3 | 9.1 | 112                                                                                        |  | 14.0      | 14.4 | 15.1 | 11.2    | 9.2  | 8.2 |
| 72                                                                                                               |  | -         | -    | -    | 10.6    | 9.5  | 8.6 | 120                                                                                        |  | 12.6      | 12.7 | 12.7 | 10.6    | 9.0  | 8.1 |
| 80                                                                                                               |  | -         | -    | -    | 9.8     | 9.0  | 8.3 | 128                                                                                        |  | 11.0      | 11.6 | 7.6  | 10.0    | 8.7  | 7.9 |
| 88                                                                                                               |  | -         | -    | -    | 9.1     | 8.5  | 8.2 | 136                                                                                        |  | 9.6       | 9.8  | -    | 9.0     | 8.4  | 7.9 |
| 96                                                                                                               |  | -         | -    | -    | 8.5     | 8.2  | -   | 144                                                                                        |  | 9.1       | 8.8  | -    | 8.2     | 8.2  | 7.9 |
|                                                                                                                  |  |           |      |      |         |      |     | 152                                                                                        |  | 5.9       | -    | -    | 7.6     | 7.5  | 7.8 |
|                                                                                                                  |  |           |      |      |         |      |     | 160                                                                                        |  | -         | -    | -    | 6.5     | 6.9  | 4.7 |
|                                                                                                                  |  |           |      |      |         |      |     | 168                                                                                        |  | -         | -    | -    | 5.9     | 4.3  | -   |
|                                                                                                                  |  |           |      |      |         |      |     | 176                                                                                        |  | -         | -    | -    | 5.6     | 3.8  | -   |

|  202.1 ft |  |           |      |      |         |     |     |  223.1 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 lbs |      |      |         |     |     | ft                                                                                           |  | 1,000 lbs |     |     |         |     |     |
| 48                                                                                           |  | 13.2      | -    | -    | -       | -   | -   | 56                                                                                           |  | 9.5       | -   | -   | -       | -   | -   |
| 56                                                                                           |  | 13.2      | -    | -    | 7.7     | -   | -   | 64                                                                                           |  | 9.5       | -   | -   | -       | -   | -   |
| 64                                                                                           |  | 13.2      | -    | -    | 7.7     | -   | -   | 72                                                                                           |  | 9.5       | -   | -   | 5.7     | -   | -   |
| 72                                                                                           |  | 13.2      | -    | -    | 7.7     | -   | -   | 80                                                                                           |  | 9.5       | 9.5 | -   | 5.7     | -   | -   |
| 80                                                                                           |  | 13.2      | 13.2 | -    | 7.7     | -   | -   | 88                                                                                           |  | 9.5       | 9.5 | -   | 5.7     | -   | -   |
| 88                                                                                           |  | 13.2      | 13.2 | 13.2 | 7.7     | -   | -   | 96                                                                                           |  | 9.5       | 9.5 | 9.5 | 5.7     | -   | -   |
| 96                                                                                           |  | 13.2      | 13.2 | 13.2 | 7.7     | 7.7 | -   | 104                                                                                          |  | 9.5       | 9.5 | 9.5 | 5.7     | -   | -   |
| 104                                                                                          |  | 12.5      | 13.2 | 13.2 | 7.7     | 7.7 | -   | 112                                                                                          |  | 9.4       | 9.5 | 9.5 | 5.7     | -   | -   |
| 112                                                                                          |  | 11.1      | 12.0 | 12.5 | 7.7     | 7.7 | 7.5 | 120                                                                                          |  | 7.6       | 9.1 | 9.4 | 5.7     | -   | -   |
| 120                                                                                          |  | 9.3       | 10.3 | 11.2 | 7.5     | 7.7 | 7.5 | 128                                                                                          |  | 6.1       | 7.5 | 8.6 | 5.2     | -   | -   |
| 128                                                                                          |  | 7.7       | 9.0  | 9.6  | 6.5     | 7.7 | 7.5 | 136                                                                                          |  | 4.7       | 6.0 | 7.1 | 3.8     | -   | -   |
| 136                                                                                          |  | 6.4       | 7.6  | 8.3  | 5.5     | 7.1 | 7.5 | 144                                                                                          |  | 3.6       | 4.7 | 5.8 | 2.7     | -   | -   |
| 144                                                                                          |  | 5.1       | 6.0  | 6.9  | 4.5     | 6.2 | 7.5 | 152                                                                                          |  | -         | 3.6 | 4.5 | -       | -   | -   |
| 152                                                                                          |  | 4.0       | 4.9  | 5.6  | 3.4     | 5.1 | 6.5 | 160                                                                                          |  | -         | 2.6 | 3.4 | -       | -   | -   |
| 160                                                                                          |  | 3.0       | 3.9  | 4.3  | -       | 4.2 | 5.6 |                                                                                              |  |           |     |     |         |     |     |
| 168                                                                                          |  | -         | -    | -    | -       | 3.3 | 4.5 |                                                                                              |  |           |     |     |         |     |     |
| 176                                                                                          |  | -         | -    | -    | -       | 2.3 | 3.5 |                                                                                              |  |           |     |     |         |     |     |

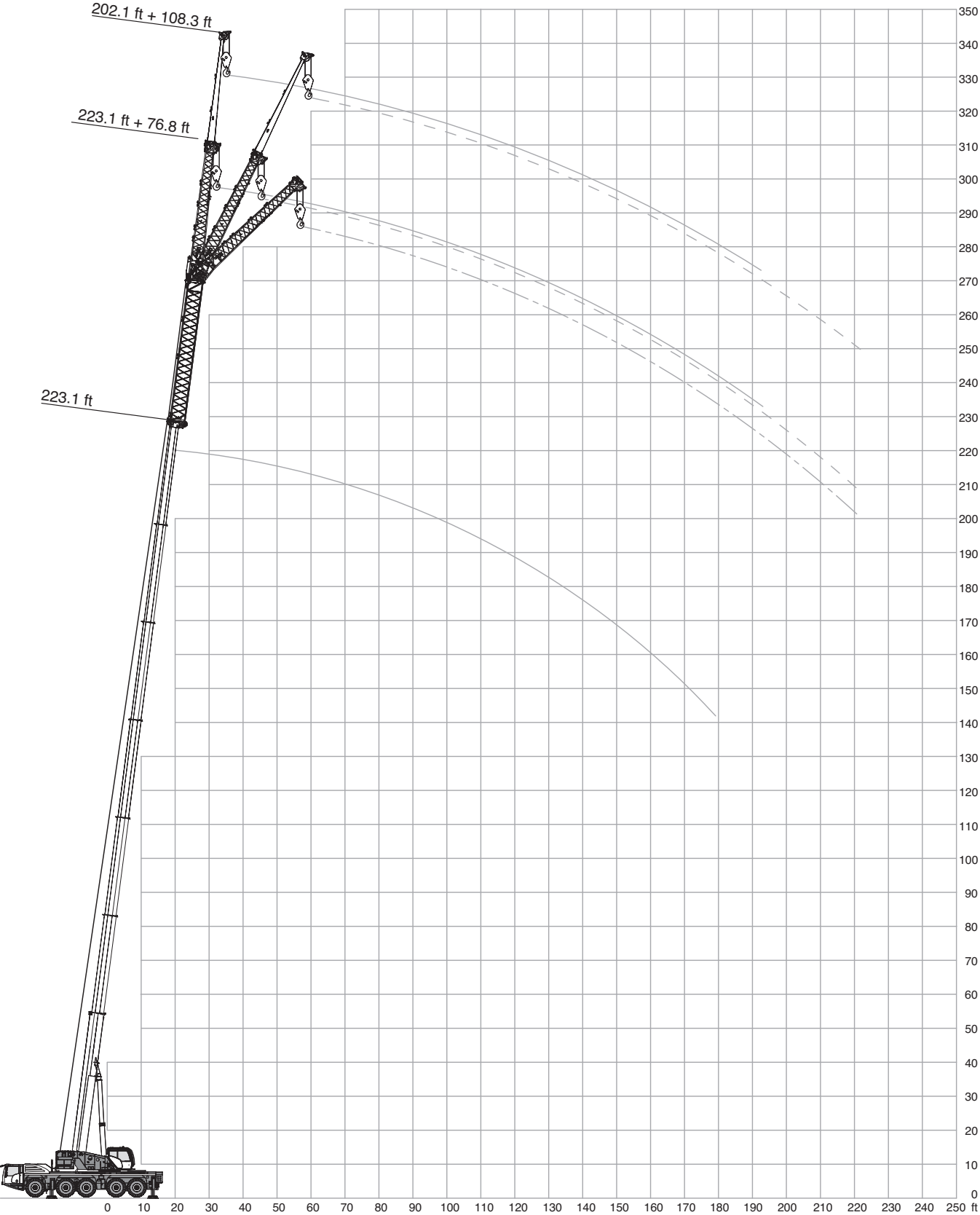
# Operation

HAV

|  56,000 lbs |  |                                                                                   |  |           |      |      |         |  26.70 ft x 24.60 ft |      |      |     |                                                                                   |  |                                                                                   |  | 360°                                                                                       |     |     |         |      |      |           |    | ASME B30.5 |      |     |  |  |  |  |  |  |  |  |  |
|----------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------|--|-----------|------|------|---------|-------------------------------------------------------------------------------------------------------|------|------|-----|-----------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------|-----|-----|---------|------|------|-----------|----|------------|------|-----|--|--|--|--|--|--|--|--|--|
|  40.7 ft    |  |                                                                                   |  |           |      |      |         |                                                                                                       |      |      |     |                                                                                   |  |                                                                                   |  |  121.4 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 lbs |      |      |         |                                                                                                       |      |      |     |                                                                                   |  |                                                                                   |  |                                                                                            |     | ft  |         |      |      | 1,000 lbs |    |            |      |     |  |  |  |  |  |  |  |  |  |
| 10                                                                                           |  |                                                                                   |  | 41.2      | -    | -    | -       | -                                                                                                     | 22.2 | -    | -   | -                                                                                 |  |                                                                                   |  |                                                                                            | 24  |     |         | 39.0 | -    | -         | -  | -          | -    | -   |  |  |  |  |  |  |  |  |  |
| 12                                                                                           |  |                                                                                   |  | 41.2      | -    | -    | -       | -                                                                                                     | 22.0 | -    | -   | -                                                                                 |  |                                                                                   |  |                                                                                            | 28  |     |         | 38.6 | -    | -         | -  | 16.6       | -    | -   |  |  |  |  |  |  |  |  |  |
| 14                                                                                           |  |                                                                                   |  | 41.2      | -    | -    | -       | -                                                                                                     | 21.9 | -    | -   | -                                                                                 |  |                                                                                   |  |                                                                                            | 32  |     |         | 38.2 | -    | -         | -  | 16.4       | -    | -   |  |  |  |  |  |  |  |  |  |
| 16                                                                                           |  |                                                                                   |  | 41.2      | -    | -    | -       | -                                                                                                     | 21.7 | -    | -   | -                                                                                 |  |                                                                                   |  |                                                                                            | 36  |     |         | 37.7 | -    | -         | -  | 16.1       | -    | -   |  |  |  |  |  |  |  |  |  |
| 18                                                                                           |  |                                                                                   |  | 41.2      | -    | -    | -       | -                                                                                                     | 21.4 | -    | -   | -                                                                                 |  |                                                                                   |  |                                                                                            | 40  |     |         | 37.2 | 29.2 | -         | -  | 15.9       | -    | -   |  |  |  |  |  |  |  |  |  |
| 20                                                                                           |  |                                                                                   |  | 41.2      | 34.8 | -    | -       | -                                                                                                     | 21.1 | -    | -   | -                                                                                 |  |                                                                                   |  |                                                                                            | 48  |     |         | 35.6 | 27.3 | 21.4      | -  | 15.5       | -    | -   |  |  |  |  |  |  |  |  |  |
| 24                                                                                           |  |                                                                                   |  | 41.2      | 31.9 | -    | -       | -                                                                                                     | 20.5 | -    | -   | -                                                                                 |  |                                                                                   |  |                                                                                            | 56  |     |         | 33.0 | 25.5 | 20.6      | -  | 15.1       | 12.8 | -   |  |  |  |  |  |  |  |  |  |
| 28                                                                                           |  |                                                                                   |  | 39.6      | 29.5 | -    | -       | -                                                                                                     | 19.7 | -    | -   | -                                                                                 |  |                                                                                   |  |                                                                                            | 64  |     |         | 29.8 | 23.9 | 20.0      | -  | 14.7       | 12.1 | -   |  |  |  |  |  |  |  |  |  |
| 32                                                                                           |  |                                                                                   |  | 35.8      | 27.5 | 22.5 | -       | -                                                                                                     | 18.9 | -    | -   | -                                                                                 |  |                                                                                   |  |                                                                                            | 72  |     |         | 25.2 | 22.5 | 19.4      | -  | 14.1       | 11.5 | -   |  |  |  |  |  |  |  |  |  |
| 36                                                                                           |  |                                                                                   |  | 32.7      | 25.8 | 21.5 | -       | -                                                                                                     | 17.9 | -    | -   | -                                                                                 |  |                                                                                   |  |                                                                                            | 80  |     |         | 21.5 | 21.0 | 18.9      | -  | 13.8       | 10.9 | 9.0 |  |  |  |  |  |  |  |  |  |
| 40                                                                                           |  |                                                                                   |  | 29.9      | 24.3 | 20.6 | -       | -                                                                                                     | 16.8 | 13.6 | -   | -                                                                                 |  |                                                                                   |  |                                                                                            | 88  |     |         | 17.9 | 18.9 | 18.2      | -  | 13.3       | 10.4 | 8.7 |  |  |  |  |  |  |  |  |  |
| 48                                                                                           |  |                                                                                   |  | 25.7      | 21.7 | 19.3 | -       | -                                                                                                     | 14.9 | 12.3 | -   | -                                                                                 |  |                                                                                   |  |                                                                                            | 96  |     |         | 15.8 | 16.1 | 16.8      | -  | 12.7       | 9.9  | 8.5 |  |  |  |  |  |  |  |  |  |
| 56                                                                                           |  |                                                                                   |  | 22.3      | 19.9 | 18.6 | -       | -                                                                                                     | 13.2 | 11.2 | 9.7 | -                                                                                 |  |                                                                                   |  |                                                                                            | 104 |     |         | 13.5 | 14.0 | 14.3      | -  | 12.0       | 9.5  | 8.4 |  |  |  |  |  |  |  |  |  |
| 64                                                                                           |  |                                                                                   |  | 19.8      | 18.7 | -    | -       | -                                                                                                     | 11.7 | 10.3 | 9.1 | -                                                                                 |  |                                                                                   |  |                                                                                            | 112 |     |         | 12.0 | 12.2 | 12.7      | -  | 11.1       | 9.2  | 8.2 |  |  |  |  |  |  |  |  |  |
| 72                                                                                           |  |                                                                                   |  | -         | -    | -    | -       | -                                                                                                     | 10.6 | 9.5  | 8.6 | -                                                                                 |  |                                                                                   |  |                                                                                            | 120 |     |         | 10.6 | 10.7 | 10.8      | -  | 10.0       | 9.0  | 8.1 |  |  |  |  |  |  |  |  |  |
| 80                                                                                           |  |                                                                                   |  | -         | -    | -    | -       | -                                                                                                     | 9.8  | 9.0  | 8.3 | -                                                                                 |  |                                                                                   |  |                                                                                            | 128 |     |         | 9.6  | 9.7  | 7.6       | -  | 8.7        | 8.6  | 7.9 |  |  |  |  |  |  |  |  |  |
| 88                                                                                           |  |                                                                                   |  | -         | -    | -    | -       | -                                                                                                     | 9.1  | 8.5  | 8.2 | -                                                                                 |  |                                                                                   |  |                                                                                            | 136 |     |         | 8.2  | 8.5  | -         | -  | 7.9        | 8.2  | 7.9 |  |  |  |  |  |  |  |  |  |
| 96                                                                                           |  |                                                                                   |  | -         | -    | -    | -       | -                                                                                                     | 8.5  | 8.2  | -   | -                                                                                 |  |                                                                                   |  |                                                                                            | 144 |     |         | 7.3  | 7.3  | -         | -  | 6.9        | 7.3  | 7.5 |  |  |  |  |  |  |  |  |  |
|                                                                                              |  |                                                                                   |  |           |      |      |         |                                                                                                       |      |      |     |                                                                                   |  |                                                                                   |  |                                                                                            | 152 |     |         | 5.9  | -    | -         | -  | 6.3        | 6.7  | 6.9 |  |  |  |  |  |  |  |  |  |
|                                                                                              |  |                                                                                   |  |           |      |      |         |                                                                                                       |      |      |     |                                                                                   |  |                                                                                   |  |                                                                                            | 160 |     |         | -    | -    | -         | -  | 5.5        | 5.8  | 4.7 |  |  |  |  |  |  |  |  |  |
|                                                                                              |  |                                                                                   |  |           |      |      |         |                                                                                                       |      |      |     |                                                                                   |  |                                                                                   |  |                                                                                            | 168 |     |         | -    | -    | -         | -  | 4.8        | 4.2  | -   |  |  |  |  |  |  |  |  |  |
|                                                                                              |  |                                                                                   |  |           |      |      |         |                                                                                                       |      |      |     |                                                                                   |  |                                                                                   |  |                                                                                            | 176 |     |         | -    | -    | -         | -  | 4.3        | 3.8  | -   |  |  |  |  |  |  |  |  |  |

|  202.1 ft |                                                                                     |         |      |      |         |     |     |
|----------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------|------|------|---------|-----|-----|
|           |  | 37.4 ft |      |      | 68.9 ft |     |     |
| ft                                                                                           |                                                                                     | 0°      | 20°  | 40°  | 0°      | 20° | 40° |
| 1,000 lbs                                                                                    |                                                                                     |         |      |      |         |     |     |
| 48                                                                                           |                                                                                     | 13.2    | -    | -    | -       | -   | -   |
| 56                                                                                           |                                                                                     | 13.2    | -    | -    | 7.7     | -   | -   |
| 64                                                                                           |                                                                                     | 13.2    | -    | -    | 7.7     | -   | -   |
| 72                                                                                           |                                                                                     | 13.2    | -    | -    | 7.7     | -   | -   |
| 80                                                                                           |                                                                                     | 13.2    | 13.2 | -    | 7.7     | -   | -   |
| 88                                                                                           |                                                                                     | 12.8    | 13.2 | 13.2 | 7.7     | -   | -   |
| 96                                                                                           |                                                                                     | 11.0    | 12.5 | 13.2 | 7.7     | 7.7 | -   |
| 104                                                                                          |                                                                                     | 9.3     | 10.9 | 11.9 | 7.5     | 7.7 | -   |
| 112                                                                                          |                                                                                     | 7.6     | 9.2  | 10.3 | 6.5     | 7.7 | 7.5 |
| 120                                                                                          |                                                                                     | 6.0     | 7.3  | 8.4  | 5.0     | 7.1 | 7.5 |
| 128                                                                                          |                                                                                     | 4.6     | 5.8  | 6.9  | 3.7     | 6.1 | 7.4 |
| 136                                                                                          |                                                                                     | 3.5     | 4.7  | 5.6  | 2.7     | 4.7 | 6.5 |
| 144                                                                                          |                                                                                     | 2.5     | 3.6  | 4.2  | -       | 3.6 | 5.4 |
| 152                                                                                          |                                                                                     | -       | -    | 3.2  | -       | -   | 4.3 |
| 160                                                                                          |                                                                                     | -       | -    | -    | -       | -   | 3.2 |

|  223.1 ft |                                                                                     |         |     |     |         |     |     |
|----------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------|-----|-----|---------|-----|-----|
|           |  | 37.4 ft |     |     | 68.9 ft |     |     |
| ft                                                                                           |                                                                                     | 0°      | 20° | 40° | 0°      | 20° | 40° |
| 1,000 lbs                                                                                    |                                                                                     |         |     |     |         |     |     |
| 56                                                                                           |                                                                                     | 9.5     | -   | -   | -       | -   | -   |
| 64                                                                                           |                                                                                     | 9.5     | -   | -   | -       | -   | -   |
| 72                                                                                           |                                                                                     | 9.5     | -   | -   | 5.7     | -   | -   |
| 80                                                                                           |                                                                                     | 9.5     | 9.5 | -   | 5.7     | -   | -   |
| 88                                                                                           |                                                                                     | 9.5     | 9.5 | -   | 5.7     | -   | -   |
| 96                                                                                           |                                                                                     | 9.2     | 9.5 | 9.5 | 5.7     | -   | -   |
| 104                                                                                          |                                                                                     | 7.5     | 9.1 | 9.5 | 5.7     | -   | -   |
| 112                                                                                          |                                                                                     | 5.9     | 7.4 | 8.9 | 4.8     | -   | -   |
| 120                                                                                          |                                                                                     | 4.3     | 5.8 | 7.1 | 3.2     | -   | -   |
| 128                                                                                          |                                                                                     | 3.0     | 4.3 | 5.5 | -       | -   | -   |
| 136                                                                                          |                                                                                     | -       | 3.1 | 4.2 | -       | -   | -   |
| 144                                                                                          |                                                                                     | -       | -   | 2.9 | -       | -   | -   |





# Operation

HAV-VA

| 101,400 lbs |  |           |      |      |          |      |     | 26.70 ft x 24.60 ft |  |           |      |      |          |      |     | 360° |  |           |      |      |          |      |     | ASME B30.5 |  |           |      |      |          |     |   |
|-------------|--|-----------|------|------|----------|------|-----|---------------------|--|-----------|------|------|----------|------|-----|------|--|-----------|------|------|----------|------|-----|------------|--|-----------|------|------|----------|-----|---|
| 40.7 ft     |  |           |      |      |          |      |     | 121.4 ft            |  |           |      |      |          |      |     |      |  |           |      |      |          |      |     |            |  |           |      |      |          |     |   |
|             |  | 76.8 ft   |      |      | 108.3 ft |      |     |                     |  | 76.8 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°  | 0°       | 20°  | 40° |            |  | 0°        | 20°  | 40°  |          |     |   |
| ft          |  | 1,000 lbs |      |      |          |      |     | ft                  |  | 1,000 lbs |      |      |          |      |     | ft   |  | 1,000 lbs |      |      |          |      |     | ft         |  | 1,000 lbs |      |      |          |     |   |
| 16          |  | 38.0      | -    | -    | -        | -    | -   | 36                  |  | 21.4      | -    | -    | -        | -    | -   | 40   |  | 21.1      | -    | -    | 11.9     | -    | -   | 120        |  | 11.3      | 10.5 | 10.0 | 7.9      | 6.9 | - |
| 18          |  | 36.5      | -    | -    | -        | -    | -   | 40                  |  | 21.1      | -    | -    | -        | 11.9 | -   | 48   |  | 20.8      | -    | -    | 11.8     | -    | -   | 128        |  | 10.6      | 9.9  | 9.6  | 7.5      | 6.5 | - |
| 20          |  | 35.0      | -    | -    | 17.2     | -    | -   | 48                  |  | 20.8      | -    | -    | -        | 11.8 | -   | 56   |  | 19.9      | 17.7 | -    | 11.6     | -    | -   | 136        |  | 10.0      | 9.4  | 9.2  | 7.0      | 6.2 | - |
| 24          |  | 32.0      | -    | -    | 16.8     | -    | -   | 56                  |  | 19.9      | 17.7 | -    | 11.6     | -    | -   | 64   |  | 18.7      | 16.4 | 14.5 | 11.3     | -    | -   | 144        |  | 9.5       | 9.1  | 8.8  | 6.6      | 5.8 | - |
| 28          |  | 28.8      | -    | -    | 16.4     | -    | -   | 64                  |  | 18.7      | 16.4 | 14.5 | 11.3     | -    | -   | 72   |  | 17.4      | 15.0 | 13.7 | 11.0     | 10.2 | -   | 152        |  | 9.0       | 8.6  | 8.5  | 6.1      | 5.5 | - |
| 32          |  | 25.9      | 22.4 | -    | 16.1     | -    | -   | 72                  |  | 17.4      | 15.0 | 13.7 | 11.0     | 10.2 | -   | 80   |  | 16.1      | 14.0 | 12.9 | 10.7     | 9.6  | -   | 160        |  | 8.3       | 8.3  | 5.6  | 5.8      | 5.2 | - |
| 36          |  | 23.6      | 20.7 | -    | 15.9     | -    | -   | 80                  |  | 16.1      | 14.0 | 12.9 | 10.7     | 9.6  | -   | 88   |  | 14.8      | 13.2 | 12.2 | 10.1     | 8.9  | -   | 168        |  | 7.4       | 7.6  | -    | 5.4      | 5.0 | - |
| 40          |  | 21.5      | 19.0 | 17.5 | 15.5     | -    | -   | 88                  |  | 14.8      | 13.2 | 12.2 | 10.1     | 8.9  | -   | 96   |  | 13.8      | 12.4 | 11.5 | 9.4      | 8.3  | -   | 176        |  | 6.7       | 6.9  | -    | 5.1      | 4.9 | - |
| 48          |  | 18.0      | 16.6 | 15.4 | 14.1     | 13.0 | -   | 96                  |  | 13.8      | 12.4 | 11.5 | 9.4      | 8.3  | -   | 104  |  | 12.9      | 11.6 | 10.9 | 8.9      | 7.8  | -   | 184        |  | 2.6       | 2.7  | -    | 4.8      | 4.6 | - |
| 56          |  | 15.6      | 14.4 | 13.7 | 12.5     | 11.5 | -   | 104                 |  | 12.9      | 11.6 | 10.9 | 8.9      | 7.8  | -   | 112  |  | 12.1      | 11.0 | 10.3 | 8.3      | 7.3  | -   | 192        |  | -         | -    | -    | 4.6      | 4.4 | - |
| 64          |  | 13.6      | 12.8 | 12.4 | 11.1     | 10.2 | -   | 112                 |  | 12.1      | 11.0 | 10.3 | 8.3      | 7.3  | -   | 120  |  | 11.3      | 10.5 | 10.0 | 7.9      | 6.9  | -   | 200        |  | -         | -    | -    | 4.3      | 4.2 | - |
| 72          |  | 12.2      | 11.5 | 11.1 | 9.9      | 9.1  | -   | 120                 |  | 11.3      | 10.5 | 10.0 | 7.9      | 6.9  | -   | 128  |  | 10.6      | 9.9  | 9.6  | 7.5      | 6.5  | -   | 208        |  | -         | -    | -    | 4.0      | -   | - |
| 80          |  | 10.9      | 10.4 | 10.2 | 8.9      | 8.3  | -   | 128                 |  | 10.6      | 9.9  | 9.6  | 7.5      | 6.5  | -   | 136  |  | 10.0      | 9.4  | 9.2  | 7.0      | 6.2  | -   | 216        |  | -         | -    | -    | 3.6      | -   | - |
| 88          |  | 9.8       | 9.4  | 9.4  | 7.9      | 7.4  | -   | 136                 |  | 10.0      | 9.4  | 9.2  | 7.0      | 6.2  | -   | 144  |  | 9.5       | 9.1  | 8.8  | 6.6      | 5.8  | -   |            |  |           |      |      |          |     |   |
| 96          |  | 8.8       | 8.8  | -    | 7.1      | 6.6  | -   | 144                 |  | 9.5       | 9.1  | 8.8  | 6.6      | 5.8  | -   | 152  |  | 9.0       | 8.6  | 8.5  | 6.1      | 5.5  | -   |            |  |           |      |      |          |     |   |
| 104         |  | 8.2       | 8.2  | -    | 6.5      | 6.0  | -   | 152                 |  | 9.0       | 8.6  | 8.5  | 6.1      | 5.5  | -   | 160  |  | 8.3       | 8.3  | 5.6  | 5.8      | 5.2  | -   |            |  |           |      |      |          |     |   |
| 112         |  | -         | -    | -    | 5.7      | 5.5  | -   | 160                 |  | 8.3       | 8.3  | 5.6  | 5.8      | 5.2  | -   | 168  |  | 7.4       | 7.6  | -    | 5.4      | 5.0  | -   |            |  |           |      |      |          |     |   |
| 120         |  | -         | -    | -    | 5.2      | 5.2  | -   | 168                 |  | 7.4       | 7.6  | -    | 5.4      | 5.0  | -   | 176  |  | 6.7       | 6.9  | -    | 5.1      | 4.9  | -   |            |  |           |      |      |          |     |   |
| 128         |  | -         | -    | -    | 5.0      | 4.7  | -   | 176                 |  | 6.7       | 6.9  | -    | 5.1      | 4.9  | -   | 184  |  | 2.6       | 2.7  | -    | 4.8      | 4.6  | -   |            |  |           |      |      |          |     |   |
| 136         |  | -         | -    | -    | 4.5      | -    | -   | 184                 |  | 2.6       | 2.7  | -    | 4.8      | 4.6  | -   | 192  |  | -         | -    | -    | 4.6      | 4.4  | -   |            |  |           |      |      |          |     |   |
|             |  |           |      |      |          |      |     | 192                 |  | -         | -    | -    | 4.6      | 4.4  | -   | 200  |  | -         | -    | -    | 4.3      | 4.2  | -   |            |  |           |      |      |          |     |   |
|             |  |           |      |      |          |      |     | 200                 |  | -         | -    | -    | 4.3      | 4.2  | -   | 208  |  | -         | -    | -    | 4.0      | -    | -   |            |  |           |      |      |          |     |   |
|             |  |           |      |      |          |      |     | 208                 |  | -         | -    | -    | 4.0      | -    | -   | 216  |  | -         | -    | -    | 3.6      | -    | -   |            |  |           |      |      |          |     |   |

| 202.1 ft |  |           |     |     |          |     |     | 223.1 ft |  |           |     |     |   |   |   |     |         |           |   |   |   |   |   |     |         |           |   |   |   |   |   |
|----------|--|-----------|-----|-----|----------|-----|-----|----------|--|-----------|-----|-----|---|---|---|-----|---------|-----------|---|---|---|---|---|-----|---------|-----------|---|---|---|---|---|
|          |  | 76.8 ft   |     |     | 108.3 ft |     |     |          |  | 76.8 ft   |     |     |   |   |   |     |         | 76.8 ft   |   |   |   |   |   |     |         | 76.8 ft   |   |   |   |   |   |
|          |  | 0°        | 20° | 40° | 0°       | 20° | 40° |          |  | 0°        | 20° | 40° |   |   |   |     | 76.8 ft |           |   |   |   |   |   |     | 76.8 ft |           |   |   |   |   |   |
| ft       |  | 1,000 lbs |     |     |          |     |     | ft       |  | 1,000 lbs |     |     |   |   |   | ft  |         | 1,000 lbs |   |   |   |   |   | ft  |         | 1,000 lbs |   |   |   |   |   |
| 64       |  | 7.5       | -   | -   | -        | -   | -   | 72       |  | 4.9       | -   | -   | - | - | - | 72  |         | 4.9       | - | - | - | - | - | 80  |         | 4.9       | - | - | - | - | - |
| 72       |  | 7.5       | -   | -   | 3.7      | -   | -   | 80       |  | 4.9       | -   | -   | - | - | - | 80  |         | 4.9       | - | - | - | - | - | 88  |         | 4.9       | - | - | - | - | - |
| 80       |  | 7.5       | 7.3 | -   | 3.7      | -   | -   | 88       |  | 4.9       | -   | -   | - | - | - | 96  |         | 4.9       | - | - | - | - | - | 104 |         | 4.9       | - | - | - | - | - |
| 88       |  | 7.5       | 7.3 | 6.4 | 3.7      | -   | -   | 96       |  | 4.9       | -   | -   | - | - | - | 104 |         | 4.9       | - | - | - | - | - | 112 |         | 4.9       | - | - | - | - | - |
| 96       |  | 7.5       | 7.3 | 6.3 | 3.7      | -   | -   | 104      |  | 4.9       | -   | -   | - | - | - | 112 |         | 4.9       | - | - | - | - | - | 120 |         | 4.9       | - | - | - | - | - |
| 104      |  | 7.5       | 7.3 | 6.2 | 3.7      | 3.7 | -   | 112      |  | 4.9       | -   | -   | - | - | - | 120 |         | 4.9       | - | - | - | - | - | 128 |         | 4.9       | - | - | - | - | - |
| 112      |  | 7.5       | 7.3 | 6.0 | 3.7      | 3.7 | -   | 120      |  | 4.9       | -   | -   | - | - | - | 128 |         | 4.9       | - | - | - | - | - | 136 |         | 4.9       | - | - | - | - | - |
| 120      |  | 7.5       | 7.3 | 6.0 | 3.7      | 3.7 | -   | 136      |  | 4.9       | -   | -   | - | - | - | 144 |         | 4.9       | - | - | - | - | - | 152 |         | 4.9       | - | - | - | - | - |
| 128      |  | 7.5       | 7.3 | 5.8 | 3.7      | 3.7 | -   | 144      |  | 4.9       | -   | -   | - | - | - | 152 |         | 4.9       | - | - | - | - | - | 160 |         | 4.8       | - | - | - | - | - |
| 136      |  | 7.3       | 7.3 | 5.7 | 3.7      | 3.7 | -   | 152      |  | 4.9       | -   | -   | - | - | - | 160 |         | 4.8       | - | - | - | - | - | 168 |         | 4.2       | - | - | - | - | - |
| 144      |  | 6.9       | 6.9 | 5.7 | 3.7      | 3.7 | -   | 160      |  | 4.8       | -   | -   | - | - | - | 168 |         | 4.2       | - | - | - | - | - | 176 |         | 3.2       | - | - | - | - | - |
| 152      |  | 6.5       | 6.5 | 5.5 | 3.7      | 3.7 | -   | 168      |  | 4.2       | -   | -   | - | - | - | 176 |         | 3.2       | - | - | - | - | - |     |         |           |   |   |   |   |   |
| 160      |  | 5.9       | 6.1 | 5.5 | 3.7      | 3.7 | -   |          |  |           |     |     |   |   |   |     |         |           |   |   |   |   |   |     |         |           |   |   |   |   |   |
| 168      |  | 5.0       | 5.6 | 5.4 | 3.6      | 3.7 | -   |          |  |           |     |     |   |   |   |     |         |           |   |   |   |   |   |     |         |           |   |   |   |   |   |
| 176      |  | 4.1       | 4.7 | 5.3 | 3.3      | 3.7 | -   |          |  |           |     |     |   |   |   |     |         |           |   |   |   |   |   |     |         |           |   |   |   |   |   |
| 184      |  | 3.5       | 3.8 | 4.4 | -        | 3.5 | -   |          |  |           |     |     |   |   |   |     |         |           |   |   |   |   |   |     |         |           |   |   |   |   |   |
| 192      |  | -         | 3.2 | 3.4 | -        | -   | -   |          |  |           |     |     |   |   |   |     |         |           |   |   |   |   |   |     |         |           |   |   |   |   |   |
| 200      |  | -         | 2.7 | 2.9 | -        | -   | -   |          |  |           |     |     |   |   |   |     |         |           |   |   |   |   |   |     |         |           |   |   |   |   |   |

|  71,900 lbs |  |           |      |      |          |      |      |  26.70 ft x 24.60 ft |  |                                                                                   |     |         |      |      |          | 360°                                                                                       |   |           |  |  |  |  |  | ASME B30.5 |  |  |  |  |  |  |  |
|----------------------------------------------------------------------------------------------|--|-----------|------|------|----------|------|------|-------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------|-----|---------|------|------|----------|--------------------------------------------------------------------------------------------|---|-----------|--|--|--|--|--|------------|--|--|--|--|--|--|--|
|  40.7 ft    |  |           |      |      |          |      |      |                                                                                                       |  |                                                                                   |     |         |      |      |          |  121.4 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 lbs |      |      |          |      |      |                                                                                                       |  |                                                                                   |     |         |      |      |          | ft                                                                                         |   | 1,000 lbs |  |  |  |  |  |            |  |  |  |  |  |  |  |
| 16                                                                                           |  | 38.0      | -    | -    | -        | -    | -    |                                                                                                       |  | 36                                                                                |     | 21.4    | -    | -    | -        | -                                                                                          | - |           |  |  |  |  |  |            |  |  |  |  |  |  |  |
| 18                                                                                           |  | 36.5      | -    | -    | -        | -    | -    |                                                                                                       |  | 40                                                                                |     | 21.1    | -    | -    | 11.9     | -                                                                                          | - |           |  |  |  |  |  |            |  |  |  |  |  |  |  |
| 20                                                                                           |  | 35.0      | -    | -    |          | 17.2 | -    | -                                                                                                     |  | 48                                                                                |     | 20.8    | -    | -    | 11.8     | -                                                                                          | - |           |  |  |  |  |  |            |  |  |  |  |  |  |  |
| 24                                                                                           |  | 32.0      | -    | -    |          | 16.8 | -    | -                                                                                                     |  | 56                                                                                |     | 19.9    | 17.7 | -    | 11.6     | -                                                                                          | - |           |  |  |  |  |  |            |  |  |  |  |  |  |  |
| 28                                                                                           |  | 28.8      | -    | -    |          | 16.4 | -    | -                                                                                                     |  | 64                                                                                |     | 18.7    | 16.4 | 14.5 | 11.3     | -                                                                                          | - |           |  |  |  |  |  |            |  |  |  |  |  |  |  |
| 32                                                                                           |  | 25.9      | 22.4 | -    |          | 16.1 | -    | -                                                                                                     |  | 72                                                                                |     | 17.4    | 15.0 | 13.7 | 11.0     | 10.2                                                                                       | - |           |  |  |  |  |  |            |  |  |  |  |  |  |  |
| 36                                                                                           |  | 23.6      | 20.7 | -    |          | 15.9 | -    | -                                                                                                     |  | 80                                                                                |     | 16.1    | 14.0 | 12.9 | 10.7     | 9.6                                                                                        | - |           |  |  |  |  |  |            |  |  |  |  |  |  |  |
| 40                                                                                           |  | 21.5      | 19.0 | 17.5 |          | 15.5 | -    | -                                                                                                     |  | 88                                                                                |     | 14.8    | 13.2 | 12.2 | 10.1     | 8.9                                                                                        | - |           |  |  |  |  |  |            |  |  |  |  |  |  |  |
| 48                                                                                           |  | 18.0      | 16.6 | 15.4 |          | 14.1 | 13.0 | -                                                                                                     |  | 96                                                                                |     | 13.8    | 12.4 | 11.5 | 9.4      | 8.3                                                                                        | - |           |  |  |  |  |  |            |  |  |  |  |  |  |  |
| 56                                                                                           |  | 15.6      | 14.4 | 13.7 |          | 12.5 | 11.5 | -                                                                                                     |  | 104                                                                               |     | 12.9    | 11.6 | 10.9 | 8.9      | 7.8                                                                                        | - |           |  |  |  |  |  |            |  |  |  |  |  |  |  |
| 64                                                                                           |  | 13.6      | 12.8 | 12.4 |          | 11.1 | 10.2 | -                                                                                                     |  | 112                                                                               |     | 12.1    | 11.0 | 10.3 | 8.3      | 7.3                                                                                        | - |           |  |  |  |  |  |            |  |  |  |  |  |  |  |
| 72                                                                                           |  | 12.2      | 11.5 | 11.1 |          | 9.9  | 9.1  | -                                                                                                     |  | 120                                                                               |     | 11.2    | 10.5 | 10.0 | 7.9      | 6.9                                                                                        | - |           |  |  |  |  |  |            |  |  |  |  |  |  |  |
| 80                                                                                           |  | 10.9      | 10.4 | 10.2 |          | 8.9  | 8.3  | -                                                                                                     |  | 128                                                                               |     | 10.2    | 9.8  | 9.6  | 7.5      | 6.5                                                                                        | - |           |  |  |  |  |  |            |  |  |  |  |  |  |  |
| 88                                                                                           |  | 9.8       | 9.4  | 9.4  |          | 7.9  | 7.4  | -                                                                                                     |  | 136                                                                               |     | 8.7     | 9.2  | 9.1  | 7.0      | 6.2                                                                                        | - |           |  |  |  |  |  |            |  |  |  |  |  |  |  |
| 96                                                                                           |  | 8.8       | 8.8  | -    |          | 7.1  | 6.6  | -                                                                                                     |  | 144                                                                               |     | 7.3     | 8.0  | 8.4  | 6.6      | 5.8                                                                                        | - |           |  |  |  |  |  |            |  |  |  |  |  |  |  |
| 104                                                                                          |  | 8.2       | 8.2  | -    |          | 6.5  | 6.0  | -                                                                                                     |  | 152                                                                               |     | 6.6     | 6.9  | 7.1  | 6.1      | 5.5                                                                                        | - |           |  |  |  |  |  |            |  |  |  |  |  |  |  |
| 112                                                                                          |  | -         | -    | -    |          | 5.7  | 5.5  | -                                                                                                     |  | 160                                                                               |     | 6.1     | 6.1  | 5.6  | 5.4      | 5.2                                                                                        | - |           |  |  |  |  |  |            |  |  |  |  |  |  |  |
| 120                                                                                          |  | -         | -    | -    |          | 5.2  | 5.2  | -                                                                                                     |  | 168                                                                               |     | 5.1     | 5.5  | -    | 4.8      | 4.9                                                                                        | - |           |  |  |  |  |  |            |  |  |  |  |  |  |  |
| 128                                                                                          |  | -         | -    | -    |          | 5.0  | 4.7  | -                                                                                                     |  | 176                                                                               |     | 4.7     | 4.7  | -    | 4.3      | 4.5                                                                                        | - |           |  |  |  |  |  |            |  |  |  |  |  |  |  |
| 136                                                                                          |  | -         | -    | -    |          | 4.5  | -    | -                                                                                                     |  | 184                                                                               |     | 2.6     | 2.7  | -    | 3.5      | 4.0                                                                                        | - |           |  |  |  |  |  |            |  |  |  |  |  |  |  |
|                                                                                              |  |           |      |      |          |      |      |                                                                                                       |  | 192                                                                               |     | -       | -    | -    | 3.0      | 3.4                                                                                        | - |           |  |  |  |  |  |            |  |  |  |  |  |  |  |
|                                                                                              |  |           |      |      |          |      |      |                                                                                                       |  | 200                                                                               |     | -       | -    | -    | 2.6      | 3.0                                                                                        | - |           |  |  |  |  |  |            |  |  |  |  |  |  |  |

|  202.1 ft                                                                            |  |           |     |     |          |     |     |  223.1 ft                                                                            |  |         |     |     |  |  |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------|-----|-----|----------|-----|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------|-----|-----|--|--|--|
|   |  | 76.8 ft   |     |     | 108.3 ft |     |     |   |  | 76.8 ft |     |     |  |  |  |
|                                                                                                                                                                         |  | 0°        | 20° | 40° | 0°       | 20° | 40° |                                                                                                                                                                         |  | 0°      | 20° | 40° |  |  |  |
| ft                                                                                                                                                                      |  | 1,000 lbs |     |     |          |     |     |                                                                                                                                                                         |  |         |     |     |  |  |  |
| 64                                                                                                                                                                      |  | 7.5       | -   | -   | -        | -   | -   | 72                                                                                                                                                                      |  | 4.9     | -   | -   |  |  |  |
| 72                                                                                                                                                                      |  | 7.5       | -   | -   | 3.7      | -   | -   | 80                                                                                                                                                                      |  | 4.9     | -   | -   |  |  |  |
| 80                                                                                                                                                                      |  | 7.5       | 7.3 | -   | 3.7      | -   | -   | 88                                                                                                                                                                      |  | 4.9     | -   | -   |  |  |  |
| 88                                                                                                                                                                      |  | 7.5       | 7.3 | 6.4 | 3.7      | -   | -   | 96                                                                                                                                                                      |  | 4.9     | -   | -   |  |  |  |
| 96                                                                                                                                                                      |  | 7.5       | 7.3 | 6.3 | 3.7      | -   | -   | 104                                                                                                                                                                     |  | 4.9     | -   | -   |  |  |  |
| 104                                                                                                                                                                     |  | 7.5       | 7.3 | 6.2 | 3.7      | 3.7 | -   | 112                                                                                                                                                                     |  | 4.9     | -   | -   |  |  |  |
| 112                                                                                                                                                                     |  | 7.5       | 7.3 | 6.0 | 3.7      | 3.7 | -   | 120                                                                                                                                                                     |  | 4.9     | -   | -   |  |  |  |
| 120                                                                                                                                                                     |  | 7.2       | 7.3 | 6.0 | 3.7      | 3.7 | -   | 128                                                                                                                                                                     |  | 4.4     | -   | -   |  |  |  |
| 128                                                                                                                                                                     |  | 6.1       | 6.9 | 5.8 | 3.7      | 3.7 | -   | 136                                                                                                                                                                     |  | 3.3     | -   | -   |  |  |  |
| 136                                                                                                                                                                     |  | 4.9       | 6.0 | 5.7 | 3.3      | 3.7 | -   |                                                                                                                                                                         |  |         |     |     |  |  |  |
| 144                                                                                                                                                                     |  | 3.8       | 4.9 | 5.5 | 2.3      | 3.7 | -   |                                                                                                                                                                         |  |         |     |     |  |  |  |
| 152                                                                                                                                                                     |  | 2.8       | 3.9 | 4.7 | -        | 3.4 | -   |                                                                                                                                                                         |  |         |     |     |  |  |  |
| 160                                                                                                                                                                     |  | -         | 3.0 | 3.7 | -        | -   | -   |                                                                                                                                                                         |  |         |     |     |  |  |  |

# Operation

HAV-VA

| 56,000 lbs |  |           |      |      |          |      |     | 360°     |  |         |      |      |          |      |     | ASME B30.5 |  |  |  |  |  |  |  |
|------------|--|-----------|------|------|----------|------|-----|----------|--|---------|------|------|----------|------|-----|------------|--|--|--|--|--|--|--|
| 40.7 ft    |  |           |      |      |          |      |     | 121.4 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 lbs |      |      |          |      |     |          |  |         |      |      |          |      |     |            |  |  |  |  |  |  |  |
| 16         |  | 38.0      | -    | -    | -        | -    | -   | 36       |  | 21.4    | -    | -    | -        | -    | -   |            |  |  |  |  |  |  |  |
| 18         |  | 36.5      | -    | -    | -        | -    | -   | 40       |  | 21.1    | -    | -    | 11.9     | -    | -   |            |  |  |  |  |  |  |  |
| 20         |  | 35.0      | -    | -    | 17.2     | -    | -   | 48       |  | 20.8    | -    | -    | 11.8     | -    | -   |            |  |  |  |  |  |  |  |
| 24         |  | 32.0      | -    | -    | 16.8     | -    | -   | 56       |  | 19.9    | 17.7 | -    | 11.6     | -    | -   |            |  |  |  |  |  |  |  |
| 28         |  | 28.8      | -    | -    | 16.4     | -    | -   | 64       |  | 18.7    | 16.4 | 14.5 | 11.3     | -    | -   |            |  |  |  |  |  |  |  |
| 32         |  | 25.9      | 22.4 | -    | 16.1     | -    | -   | 72       |  | 17.4    | 15.0 | 13.7 | 11.0     | 10.2 | -   |            |  |  |  |  |  |  |  |
| 36         |  | 23.6      | 20.7 | -    | 15.9     | -    | -   | 80       |  | 16.1    | 14.0 | 12.9 | 10.7     | 9.6  | -   |            |  |  |  |  |  |  |  |
| 40         |  | 21.5      | 19.0 | 17.5 | 15.5     | -    | -   | 88       |  | 14.8    | 13.2 | 12.2 | 10.1     | 8.9  | -   |            |  |  |  |  |  |  |  |
| 48         |  | 18.0      | 16.6 | 15.4 | 14.1     | 13.0 | -   | 96       |  | 13.8    | 12.4 | 11.5 | 9.4      | 8.3  | -   |            |  |  |  |  |  |  |  |
| 56         |  | 15.6      | 14.4 | 13.7 | 12.5     | 11.5 | -   | 104      |  | 12.7    | 11.6 | 10.9 | 8.9      | 7.8  | -   |            |  |  |  |  |  |  |  |
| 64         |  | 13.6      | 12.8 | 12.4 | 11.1     | 10.2 | -   | 112      |  | 10.9    | 10.9 | 10.3 | 8.3      | 7.3  | -   |            |  |  |  |  |  |  |  |
| 72         |  | 12.2      | 11.5 | 11.1 | 9.9      | 9.1  | -   | 120      |  | 9.6     | 10.0 | 9.9  | 7.8      | 6.9  | -   |            |  |  |  |  |  |  |  |
| 80         |  | 10.9      | 10.4 | 10.2 | 8.9      | 8.3  | -   | 128      |  | 8.3     | 8.9  | 9.0  | 7.3      | 6.5  | -   |            |  |  |  |  |  |  |  |
| 88         |  | 9.8       | 9.4  | 9.4  | 7.9      | 7.4  | -   | 136      |  | 7.2     | 7.6  | 8.0  | 6.7      | 6.2  | -   |            |  |  |  |  |  |  |  |
| 96         |  | 8.8       | 8.8  | -    | 7.1      | 6.6  | -   | 144      |  | 6.4     | 6.6  | 6.8  | 5.8      | 5.8  | -   |            |  |  |  |  |  |  |  |
| 104        |  | 8.2       | 8.2  | -    | 6.5      | 6.0  | -   | 152      |  | 5.5     | 5.8  | 6.0  | 5.0      | 5.5  | -   |            |  |  |  |  |  |  |  |
| 112        |  | -         | -    | -    | 5.7      | 5.5  | -   | 160      |  | 5.0     | 5.1  | 5.0  | 4.4      | 5.0  | -   |            |  |  |  |  |  |  |  |
| 120        |  | -         | -    | -    | 5.2      | 5.2  | -   | 168      |  | 4.2     | 4.5  | -    | 3.6      | 4.1  | -   |            |  |  |  |  |  |  |  |
| 128        |  | -         | -    | -    | 5.0      | 4.7  | -   | 176      |  | 3.8     | 3.8  | -    | 3.1      | 3.6  | -   |            |  |  |  |  |  |  |  |
| 136        |  | -         | -    | -    | 4.5      | -    | -   | 184      |  | 2.6     | 2.7  | -    | 2.6      | 3.0  | -   |            |  |  |  |  |  |  |  |

| 202.1 ft |  |           |     |     |          |     |     | 223.1 ft |  |         |     |     |  |  |  |
|----------|--|-----------|-----|-----|----------|-----|-----|----------|--|---------|-----|-----|--|--|--|
|          |  | 76.8 ft   |     |     | 108.3 ft |     |     |          |  | 76.8 ft |     |     |  |  |  |
|          |  | 0°        | 20° | 40° | 0°       | 20° | 40° |          |  | 0°      | 20° | 40° |  |  |  |
| ft       |  | 1,000 lbs |     |     |          |     |     |          |  |         |     |     |  |  |  |
| 64       |  | 7.5       | -   | -   | -        | -   | -   | 72       |  | 4.9     | -   | -   |  |  |  |
| 72       |  | 7.5       | -   | -   | 3.7      | -   | -   | 80       |  | 4.9     | -   | -   |  |  |  |
| 80       |  | 7.5       | 7.3 | -   | 3.7      | -   | -   | 88       |  | 4.9     | -   | -   |  |  |  |
| 88       |  | 7.5       | 7.3 | 6.4 | 3.7      | -   | -   | 96       |  | 4.9     | -   | -   |  |  |  |
| 96       |  | 7.5       | 7.3 | 6.3 | 3.7      | -   | -   | 104      |  | 4.9     | -   | -   |  |  |  |
| 104      |  | 7.1       | 7.3 | 6.2 | 3.7      | 3.7 | -   | 112      |  | 4.1     | -   | -   |  |  |  |
| 112      |  | 5.9       | 7.2 | 6.0 | 3.7      | 3.7 | -   |          |  |         |     |     |  |  |  |
| 120      |  | 4.5       | 5.9 | 6.0 | -        | 3.7 | -   |          |  |         |     |     |  |  |  |
| 128      |  | 3.2       | 4.5 | 5.4 | -        | 3.6 | -   |          |  |         |     |     |  |  |  |
| 136      |  | -         | 3.3 | 4.4 | -        | 2.9 | -   |          |  |         |     |     |  |  |  |
| 144      |  | -         | 2.3 | 3.1 | -        | -   | -   |          |  |         |     |     |  |  |  |



|  101,400 lbs |                                                                                   |  26.70 ft x 24.60 ft |      |      |      |      |       |      | 360° |      |       |       |       |       |       | ASME B30.5                                                                          |  |  |
|-----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|------|------|------|------|-------|------|------|------|-------|-------|-------|-------|-------|-------------------------------------------------------------------------------------|--|--|
|              |  | 40.7                                                                                                  | 54.1 | 67.6 | 81.0 | 94.5 | 107.9 | (ft) |      |      | 161.4 | 174.9 | 188.6 | 202.1 | 223.1 |  |  |  |
| ft                                                                                            |                                                                                   | 1,000 lbs                                                                                             |      |      |      |      |       |      |      |      |       |       |       |       |       | ft                                                                                  |  |  |
| 10                                                                                            |                                                                                   | 82.5                                                                                                  | 82.5 | 82.5 | -    | -    | -     | -    | -    | -    | -     | -     | -     | -     | -     | 10                                                                                  |  |  |
| 12                                                                                            |                                                                                   | 82.5                                                                                                  | 82.5 | 82.5 | 82.5 | -    | -     | -    | -    | -    | -     | -     | -     | -     | -     | 12                                                                                  |  |  |
| 14                                                                                            |                                                                                   | 82.5                                                                                                  | 82.5 | 82.5 | 82.5 | -    | -     | -    | -    | -    | -     | -     | -     | -     | -     | 14                                                                                  |  |  |
| 16                                                                                            |                                                                                   | 82.5                                                                                                  | 82.5 | 82.5 | 82.5 | 82.5 | -     | -    | -    | -    | -     | -     | -     | -     | -     | 16                                                                                  |  |  |
| 18                                                                                            |                                                                                   | 82.5                                                                                                  | 82.5 | 82.5 | 82.5 | 82.5 | -     | -    | -    | -    | -     | -     | -     | -     | -     | 18                                                                                  |  |  |
| 20                                                                                            |                                                                                   | 82.5                                                                                                  | 82.5 | 82.5 | 82.5 | 82.5 | 82.5  | -    | -    | -    | -     | -     | -     | -     | -     | 20                                                                                  |  |  |
| 24                                                                                            |                                                                                   | 82.5                                                                                                  | 82.5 | 82.5 | 82.5 | 82.5 | 82.5  | 79.2 | -    | -    | -     | -     | -     | -     | -     | 24                                                                                  |  |  |
| 28                                                                                            |                                                                                   | 82.5                                                                                                  | 82.5 | 82.5 | 82.5 | 82.5 | 82.5  | 76.3 | 66.4 | -    | -     | -     | -     | -     | -     | 28                                                                                  |  |  |
| 32                                                                                            |                                                                                   | 82.5                                                                                                  | 82.5 | 82.5 | 82.5 | 82.5 | 82.5  | 74.2 | 64.6 | 53.7 | -     | -     | -     | -     | -     | 32                                                                                  |  |  |
| 36                                                                                            |                                                                                   | -                                                                                                     | 82.5 | 82.5 | 82.5 | 82.5 | 82.0  | 71.7 | 61.2 | 52.1 | 42.2  | -     | -     | -     | -     | 36                                                                                  |  |  |
| 40                                                                                            |                                                                                   | -                                                                                                     | 81.6 | 81.5 | 81.6 | 81.5 | 80.6  | 69.0 | 57.4 | 50.1 | 41.3  | 34.8  | -     | -     | -     | 40                                                                                  |  |  |
| 48                                                                                            |                                                                                   | -                                                                                                     | -    | 68.7 | 69.8 | 68.9 | 67.5  | 63.0 | 50.2 | 44.8 | 39.0  | 34.2  | 28.6  | 23.6  | -     | 48                                                                                  |  |  |
| 56                                                                                            |                                                                                   | -                                                                                                     | -    | 56.7 | 57.8 | 56.8 | 56.1  | 55.6 | 43.6 | 39.6 | 35.3  | 32.3  | 28.1  | 23.6  | 17.0  | 56                                                                                  |  |  |
| 64                                                                                            |                                                                                   | -                                                                                                     | -    | 33.2 | 47.6 | 48.4 | 47.9  | 46.1 | 37.7 | 34.9 | 31.4  | 29.9  | 26.8  | 23.4  | 17.0  | 64                                                                                  |  |  |
| 72                                                                                            |                                                                                   | -                                                                                                     | -    | -    | 39.8 | 40.7 | 39.6  | 37.9 | 33.0 | 30.5 | 28.1  | 27.0  | 25.0  | 22.5  | 17.0  | 72                                                                                  |  |  |
| 80                                                                                            |                                                                                   | -                                                                                                     | -    | -    | -    | 34.7 | 33.4  | 31.8 | 29.2 | 26.8 | 24.7  | 24.0  | 22.8  | 21.1  | 17.0  | 80                                                                                  |  |  |
| 88                                                                                            |                                                                                   | -                                                                                                     | -    | -    | -    | 23.0 | 28.5  | 27.0 | 27.0 | 23.8 | 21.9  | 21.5  | 20.7  | 19.6  | 16.7  | 88                                                                                  |  |  |
| 96                                                                                            |                                                                                   | -                                                                                                     | -    | -    | -    | -    | 24.6  | 23.4 | 24.0 | 21.2 | 19.6  | 19.0  | 18.6  | 18.0  | 15.8  | 96                                                                                  |  |  |
| 104                                                                                           |                                                                                   | -                                                                                                     | -    | -    | -    | -    | 16.9  | 22.2 | 20.7 | 19.4 | 17.6  | 17.0  | 16.8  | 16.5  | 14.7  | 104                                                                                 |  |  |
| 112                                                                                           |                                                                                   | -                                                                                                     | -    | -    | -    | -    | -     | 16.6 | 17.7 | 18.0 | 16.0  | 15.1  | 14.9  | 14.9  | 13.4  | 112                                                                                 |  |  |
| 120                                                                                           |                                                                                   | -                                                                                                     | -    | -    | -    | -    | -     | 9.7  | 15.7 | 16.0 | 14.8  | 13.8  | 13.4  | 13.6  | 12.1  | 120                                                                                 |  |  |
| 128                                                                                           |                                                                                   | -                                                                                                     | -    | -    | -    | -    | -     | -    | 13.3 | 13.8 | 13.8  | 12.7  | 12.3  | 12.0  | 10.9  | 128                                                                                 |  |  |
| 136                                                                                           |                                                                                   | -                                                                                                     | -    | -    | -    | -    | -     | -    | 9.4  | 12.0 | 12.1  | 11.7  | 11.1  | 10.1  | 9.7   | 136                                                                                 |  |  |
| 144                                                                                           |                                                                                   | -                                                                                                     | -    | -    | -    | -    | -     | -    | -    | 10.6 | 10.6  | 10.2  | 9.6   | 8.9   | 8.4   | 144                                                                                 |  |  |
| 152                                                                                           |                                                                                   | -                                                                                                     | -    | -    | -    | -    | -     | -    | -    | -    | 9.1   | 8.9   | 8.2   | 8.0   | 6.9   | 152                                                                                 |  |  |
| 160                                                                                           |                                                                                   | -                                                                                                     | -    | -    | -    | -    | -     | -    | -    | -    | -     | 7.8   | 6.9   | 6.9   | 5.7   | 160                                                                                 |  |  |
| 168                                                                                           |                                                                                   | -                                                                                                     | -    | -    | -    | -    | -     | -    | -    | -    | -     | -     | 5.9   | 5.7   | 4.6   | 168                                                                                 |  |  |
| 176                                                                                           |                                                                                   | -                                                                                                     | -    | -    | -    | -    | -     | -    | -    | -    | -     | -     | 5.4   | 4.8   | 3.7   | 176                                                                                 |  |  |
| 184                                                                                           |                                                                                   | -                                                                                                     | -    | -    | -    | -    | -     | -    | -    | -    | -     | -     | -     | 3.9   | -     | 184                                                                                 |  |  |
| 1)                                                                                            |                                                                                   | 39.0                                                                                                  | 29.1 | 22.9 | 18.1 | 14.6 | 11.5  | 9.0  | 6.8  | 4.9  | 3.7   | -     | -     | -     | -     | 1)                                                                                  |  |  |

1) Capacities with horizontal boom

|  71,900 lbs |                                                                                   |  26.70 ft x 24.60 ft |      |      |      |      |       |      | 360° |       |       |       |       | ASME B30.5 |       |       |       |                                                                                     |
|----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|------|------|------|------|-------|------|------|-------|-------|-------|-------|------------|-------|-------|-------|-------------------------------------------------------------------------------------|
|             |  | 40.7                                                                                                  | 54.1 | 67.6 | 81.0 | 94.5 | 107.9 | (ft) |      | 121.4 | 134.8 | 148.3 | 161.4 | 174.9      | 188.6 | 202.1 | 223.1 |  |
| ft                                                                                           | 1,000 lbs                                                                         |                                                                                                       |      |      |      |      |       |      |      |       |       |       |       |            |       |       | ft    |                                                                                     |
| 10                                                                                           | 82.5                                                                              | 82.5                                                                                                  | 82.5 | -    | -    | -    | -     | -    | -    | -     | -     | -     | -     | -          | -     | -     | -     | 10                                                                                  |
| 12                                                                                           | 82.5                                                                              | 82.5                                                                                                  | 82.5 | 82.5 | -    | -    | -     | -    | -    | -     | -     | -     | -     | -          | -     | -     | -     | 12                                                                                  |
| 14                                                                                           | 82.5                                                                              | 82.5                                                                                                  | 82.5 | 82.5 | -    | -    | -     | -    | -    | -     | -     | -     | -     | -          | -     | -     | -     | 14                                                                                  |
| 16                                                                                           | 82.5                                                                              | 82.5                                                                                                  | 82.5 | 82.5 | 82.5 | -    | -     | -    | -    | -     | -     | -     | -     | -          | -     | -     | -     | 16                                                                                  |
| 18                                                                                           | 82.5                                                                              | 82.5                                                                                                  | 82.5 | 82.5 | 82.5 | -    | -     | -    | -    | -     | -     | -     | -     | -          | -     | -     | -     | 18                                                                                  |
| 20                                                                                           | 82.5                                                                              | 82.5                                                                                                  | 82.5 | 82.5 | 82.5 | 82.5 | -     | -    | -    | -     | -     | -     | -     | -          | -     | -     | -     | 20                                                                                  |
| 24                                                                                           | 82.5                                                                              | 82.5                                                                                                  | 82.5 | 82.5 | 82.5 | 82.5 | 82.5  | 79.2 | -    | -     | -     | -     | -     | -          | -     | -     | -     | 24                                                                                  |
| 28                                                                                           | 82.5                                                                              | 82.5                                                                                                  | 82.5 | 82.5 | 82.5 | 82.5 | 82.5  | 76.3 | 66.4 | -     | -     | -     | -     | -          | -     | -     | -     | 28                                                                                  |
| 32                                                                                           | 82.5                                                                              | 82.5                                                                                                  | 82.5 | 82.5 | 82.5 | 82.5 | 82.5  | 74.2 | 64.6 | 53.7  | -     | -     | -     | -          | -     | -     | -     | 32                                                                                  |
| 36                                                                                           | -                                                                                 | 81.5                                                                                                  | 81.0 | 81.5 | 81.1 | 79.3 | 71.7  | 61.2 | 52.1 | 42.2  | -     | -     | -     | -          | -     | -     | -     | 36                                                                                  |
| 40                                                                                           | -                                                                                 | 78.7                                                                                                  | 77.6 | 78.8 | 77.8 | 74.5 | 68.6  | 57.4 | 50.1 | 41.3  | 34.8  | -     | -     | -          | -     | -     | -     | 40                                                                                  |
| 48                                                                                           | -                                                                                 | -                                                                                                     | 59.2 | 58.7 | 57.4 | 58.7 | 57.0  | 50.2 | 44.8 | 39.0  | 34.2  | 28.6  | 23.6  | -          | -     | -     | -     | 48                                                                                  |
| 56                                                                                           | -                                                                                 | -                                                                                                     | 45.9 | 47.3 | 47.1 | 45.9 | 43.9  | 42.2 | 39.6 | 35.3  | 32.3  | 28.1  | 23.6  | 17.0       | -     | -     | -     | 56                                                                                  |
| 64                                                                                           | -                                                                                 | -                                                                                                     | 30.1 | 38.5 | 37.8 | 36.7 | 34.7  | 34.4 | 33.0 | 31.4  | 29.9  | 26.8  | 23.4  | 17.0       | -     | -     | -     | 64                                                                                  |
| 72                                                                                           | -                                                                                 | -                                                                                                     | -    | 31.7 | 31.0 | 29.9 | 29.6  | 29.2 | 27.3 | 27.0  | 26.5  | 25.0  | 22.5  | 17.0       | -     | -     | -     | 72                                                                                  |
| 80                                                                                           | -                                                                                 | -                                                                                                     | -    | -    | 26.0 | 25.2 | 25.8  | 24.2 | 24.0 | 22.6  | 22.6  | 22.3  | 21.1  | 17.0       | -     | -     | -     | 80                                                                                  |
| 88                                                                                           | -                                                                                 | -                                                                                                     | -    | -    | 16.0 | 22.8 | 22.0  | 21.0 | 20.8 | 20.0  | 19.4  | 19.2  | 18.9  | 16.7       | -     | -     | -     | 88                                                                                  |
| 96                                                                                           | -                                                                                 | -                                                                                                     | -    | -    | -    | 19.9 | 18.6  | 18.8 | 17.3 | 17.5  | 17.0  | 16.4  | 15.7  | 14.8       | -     | -     | -     | 96                                                                                  |
| 104                                                                                          | -                                                                                 | -                                                                                                     | -    | -    | -    | 13.8 | 16.3  | 16.2 | 15.8 | 14.9  | 14.8  | 13.6  | 13.5  | 12.2       | -     | -     | -     | 104                                                                                 |
| 112                                                                                          | -                                                                                 | -                                                                                                     | -    | -    | -    | -    | 10.5  | 14.0 | 14.0 | 13.3  | 12.7  | 12.0  | 11.3  | 10.0       | -     | -     | -     | 112                                                                                 |
| 120                                                                                          | -                                                                                 | -                                                                                                     | -    | -    | -    | -    | 9.7   | 12.5 | 11.9 | 11.5  | 11.0  | 10.6  | 9.3   | 8.2        | -     | -     | -     | 120                                                                                 |
| 128                                                                                          | -                                                                                 | -                                                                                                     | -    | -    | -    | -    | -     | 10.0 | 10.4 | 9.7   | 9.8   | 8.8   | 7.5   | 6.4        | -     | -     | -     | 128                                                                                 |
| 136                                                                                          | -                                                                                 | -                                                                                                     | -    | -    | -    | -    | -     | 9.4  | 9.3  | 8.3   | 8.3   | 7.4   | 6.0   | 4.9        | -     | -     | -     | 136                                                                                 |
| 144                                                                                          | -                                                                                 | -                                                                                                     | -    | -    | -    | -    | -     | -    | 5.8  | 7.5   | 7.1   | 6.0   | 4.7   | 3.6        | -     | -     | -     | 144                                                                                 |
| 152                                                                                          | -                                                                                 | -                                                                                                     | -    | -    | -    | -    | -     | -    | -    | 4.7   | 5.8   | 4.9   | 3.6   | -          | -     | -     | -     | 152                                                                                 |
| 160                                                                                          | -                                                                                 | -                                                                                                     | -    | -    | -    | -    | -     | -    | -    | -     | 5.0   | 3.9   | -     | -          | -     | -     | -     | 160                                                                                 |
| 1)                                                                                           | 39.0                                                                              | 29.1                                                                                                  | 22.9 | 18.1 | 14.6 | 11.5 | 9.0   | 6.8  | 4.9  | 3.7   | -     | -     | -     | -          | -     | -     | -     | 1)                                                                                  |

1) Capacities with horizontal boom

|  56,000 lbs |                                                                                   |  26.70 ft x 24.60 ft |      |      |      |      |       |      | 360° |       |       |       |       | ASME B30.5 |       |       |       |                                                                                     |
|----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|------|------|------|------|-------|------|------|-------|-------|-------|-------|------------|-------|-------|-------|-------------------------------------------------------------------------------------|
|             |  | 40.7                                                                                                  | 54.1 | 67.6 | 81.0 | 94.5 | 107.9 | (ft) |      | 121.4 | 134.8 | 148.3 | 161.4 | 174.9      | 188.6 | 202.1 | 223.1 |  |
| ft                                                                                           |                                                                                   | 1,000 lbs                                                                                             |      |      |      |      |       |      |      |       |       |       |       |            |       | ft    |       |                                                                                     |
| 10                                                                                           |                                                                                   | 82.5                                                                                                  | 82.5 | 82.5 | -    | -    | -     | -    | -    | -     | -     | -     | -     | -          | -     | -     | -     | 10                                                                                  |
| 12                                                                                           |                                                                                   | 82.5                                                                                                  | 82.5 | 82.5 | 82.5 | -    | -     | -    | -    | -     | -     | -     | -     | -          | -     | -     | -     | 12                                                                                  |
| 14                                                                                           |                                                                                   | 82.5                                                                                                  | 82.5 | 82.5 | 82.5 | -    | -     | -    | -    | -     | -     | -     | -     | -          | -     | -     | -     | 14                                                                                  |
| 16                                                                                           |                                                                                   | 82.5                                                                                                  | 82.5 | 82.5 | 82.5 | 82.5 | -     | -    | -    | -     | -     | -     | -     | -          | -     | -     | -     | 16                                                                                  |
| 18                                                                                           |                                                                                   | 82.5                                                                                                  | 82.5 | 82.5 | 82.5 | 82.5 | -     | -    | -    | -     | -     | -     | -     | -          | -     | -     | -     | 18                                                                                  |
| 20                                                                                           |                                                                                   | 82.5                                                                                                  | 82.5 | 82.5 | 82.5 | 82.5 | 82.5  | -    | -    | -     | -     | -     | -     | -          | -     | -     | -     | 20                                                                                  |
| 24                                                                                           |                                                                                   | 82.5                                                                                                  | 82.5 | 82.5 | 82.5 | 82.5 | 82.5  | 79.2 | -    | -     | -     | -     | -     | -          | -     | -     | -     | 24                                                                                  |
| 28                                                                                           |                                                                                   | 82.5                                                                                                  | 82.5 | 82.5 | 82.5 | 82.5 | 82.5  | 76.3 | 66.4 | -     | -     | -     | -     | -          | -     | -     | -     | 28                                                                                  |
| 32                                                                                           |                                                                                   | 82.5                                                                                                  | 82.5 | 82.5 | 82.5 | 82.5 | 82.5  | 74.2 | 64.6 | 53.7  | -     | -     | -     | -          | -     | -     | -     | 32                                                                                  |
| 36                                                                                           |                                                                                   | -                                                                                                     | 76.2 | 76.6 | 76.3 | 75.7 | 73.8  | 69.2 | 61.2 | 52.1  | 42.2  | -     | -     | -          | -     | -     | -     | 36                                                                                  |
| 40                                                                                           |                                                                                   | -                                                                                                     | 68.1 | 68.8 | 68.3 | 67.0 | 65.8  | 63.2 | 57.1 | 50.1  | 41.3  | 34.8  | -     | -          | -     | -     | -     | 40                                                                                  |
| 48                                                                                           |                                                                                   | -                                                                                                     | -    | 50.8 | 52.4 | 51.9 | 50.6  | 48.6 | 46.2 | 43.5  | 38.9  | 34.2  | 28.6  | 23.6       | -     | -     | -     | 48                                                                                  |
| 56                                                                                           |                                                                                   | -                                                                                                     | -    | 40.7 | 40.7 | 40.1 | 39.0  | 37.6 | 37.0 | 35.5  | 33.5  | 31.5  | 28.1  | 23.6       | 17.0  | -     | -     | 56                                                                                  |
| 64                                                                                           |                                                                                   | -                                                                                                     | -    | 24.0 | 32.6 | 31.9 | 30.8  | 31.4 | 30.1 | 29.0  | 28.1  | 27.5  | 25.8  | 23.4       | 17.0  | -     | -     | 64                                                                                  |
| 72                                                                                           |                                                                                   | -                                                                                                     | -    | -    | 26.6 | 25.9 | 27.0  | 25.9 | 24.7 | 24.8  | 23.9  | 23.4  | 23.2  | 21.7       | 17.0  | -     | -     | 72                                                                                  |
| 80                                                                                           |                                                                                   | -                                                                                                     | -    | -    | -    | 22.9 | 22.6  | 21.5 | 21.9 | 20.7  | 20.4  | 20.6  | 19.2  | 18.5       | 16.5  | -     | -     | 80                                                                                  |
| 88                                                                                           |                                                                                   | -                                                                                                     | -    | -    | -    | 14.4 | 19.1  | 19.1 | 18.3 | 18.2  | 17.6  | 17.0  | 16.6  | 15.2       | 13.3  | -     | -     | 88                                                                                  |
| 96                                                                                           |                                                                                   | -                                                                                                     | -    | -    | -    | -    | 16.1  | 16.5 | 16.1 | 15.3  | 14.8  | 14.5  | 13.9  | 12.4       | 10.7  | -     | -     | 96                                                                                  |
| 104                                                                                          |                                                                                   | -                                                                                                     | -    | -    | -    | -    | 13.8  | 14.0 | 14.0 | 13.3  | 12.3  | 12.4  | 11.3  | 10.0       | 8.4   | -     | -     | 104                                                                                 |
| 112                                                                                          |                                                                                   | -                                                                                                     | -    | -    | -    | -    | -     | 10.5 | 11.8 | 11.1  | 10.9  | 10.3  | 9.4   | 8.1        | 6.5   | -     | -     | 112                                                                                 |
| 120                                                                                          |                                                                                   | -                                                                                                     | -    | -    | -    | -    | -     | 9.7  | 10.2 | 9.4   | 9.5   | 8.4   | 7.6   | 6.2        | 4.9   | -     | -     | 120                                                                                 |
| 128                                                                                          |                                                                                   | -                                                                                                     | -    | -    | -    | -    | -     | -    | 8.7  | 7.9   | 7.9   | 6.9   | 6.1   | 4.7        | 3.5   | -     | -     | 128                                                                                 |
| 136                                                                                          |                                                                                   | -                                                                                                     | -    | -    | -    | -    | -     | -    | 7.5  | 6.6   | 6.6   | 5.8   | 4.7   | 3.4        | -     | -     | -     | 136                                                                                 |
| 144                                                                                          |                                                                                   | -                                                                                                     | -    | -    | -    | -    | -     | -    | -    | 3.4   | 5.6   | 4.7   | 3.6   | 2.3        | -     | -     | -     | 144                                                                                 |
| 152                                                                                          |                                                                                   | -                                                                                                     | -    | -    | -    | -    | -     | -    | -    | -     | -     | 3.6   | -     | -          | -     | -     | -     | 152                                                                                 |
| 160                                                                                          |                                                                                   | -                                                                                                     | -    | -    | -    | -    | -     | -    | -    | -     | -     | 2.8   | -     | -          | -     | -     | -     | 160                                                                                 |
| 1)                                                                                           |                                                                                   | 39.0                                                                                                  | 29.1 | 22.9 | 18.1 | 14.6 | 11.5  | 9.0  | 6.8  | 4.9   | 3.7   | -     | -     | -          | -     | -     | -     | 1)                                                                                  |

1) Capacities with horizontal boom

|  13,900 lbs |                                                                                   |  26.70 ft x 24.60 ft |      |      |      |      |       |      | 360° |       |       |       |       |       |       | ASME B30.5 |       |                                                                                     |
|----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|------|------|------|------|-------|------|------|-------|-------|-------|-------|-------|-------|------------|-------|-------------------------------------------------------------------------------------|
|             |  | 40.7                                                                                                  | 54.1 | 67.6 | 81.0 | 94.5 | 107.9 | (ft) |      | 121.4 | 134.8 | 148.3 | 161.4 | 174.9 | 188.6 | 202.1      | 223.1 |  |
| ft                                                                                           |                                                                                   | 1,000 lbs                                                                                             |      |      |      |      |       |      |      |       |       |       |       |       |       |            |       | ft                                                                                  |
| 10                                                                                           |                                                                                   | 82.5                                                                                                  | 82.5 | 82.5 | -    | -    | -     | -    | -    | -     | -     | -     | -     | -     | -     | -          | -     | 10                                                                                  |
| 12                                                                                           |                                                                                   | 82.5                                                                                                  | 82.5 | 82.5 | 82.5 | -    | -     | -    | -    | -     | -     | -     | -     | -     | -     | -          | -     | 12                                                                                  |
| 14                                                                                           |                                                                                   | 82.5                                                                                                  | 82.5 | 82.5 | 82.5 | -    | -     | -    | -    | -     | -     | -     | -     | -     | -     | -          | -     | 14                                                                                  |
| 16                                                                                           |                                                                                   | 82.5                                                                                                  | 82.5 | 82.5 | 82.5 | 82.5 | -     | -    | -    | -     | -     | -     | -     | -     | -     | -          | -     | 16                                                                                  |
| 18                                                                                           |                                                                                   | 82.5                                                                                                  | 82.5 | 82.5 | 82.5 | 82.5 | -     | -    | -    | -     | -     | -     | -     | -     | -     | -          | -     | 18                                                                                  |
| 20                                                                                           |                                                                                   | 82.5                                                                                                  | 82.5 | 82.5 | 82.5 | 82.5 | 82.5  | -    | -    | -     | -     | -     | -     | -     | -     | -          | -     | 20                                                                                  |
| 24                                                                                           |                                                                                   | 82.5                                                                                                  | 82.5 | 82.5 | 81.3 | 79.4 | 78.8  | 73.1 | -    | -     | -     | -     | -     | -     | -     | -          | -     | 24                                                                                  |
| 28                                                                                           |                                                                                   | 73.3                                                                                                  | 75.3 | 75.7 | 72.0 | 70.4 | 65.1  | 60.8 | 56.6 | -     | -     | -     | -     | -     | -     | -          | -     | 28                                                                                  |
| 32                                                                                           |                                                                                   | 55.4                                                                                                  | 59.0 | 60.3 | 61.6 | 57.8 | 53.8  | 51.2 | 47.9 | 43.7  | -     | -     | -     | -     | -     | -          | -     | 32                                                                                  |
| 36                                                                                           |                                                                                   | -                                                                                                     | 48.0 | 50.5 | 50.7 | 48.6 | 46.0  | 44.6 | 41.0 | 38.7  | 35.2  | -     | -     | -     | -     | -          | -     | 36                                                                                  |
| 40                                                                                           |                                                                                   | -                                                                                                     | 39.1 | 40.7 | 40.9 | 40.5 | 41.0  | 38.1 | 36.9 | 35.0  | 33.1  | 30.9  | -     | -     | -     | -          | -     | 40                                                                                  |
| 48                                                                                           |                                                                                   | -                                                                                                     | -    | 29.8 | 30.8 | 30.6 | 30.0  | 30.3 | 29.4 | 27.6  | 26.7  | 24.6  | 22.3  | 19.4  | -     | -          | -     | 48                                                                                  |
| 56                                                                                           |                                                                                   | -                                                                                                     | -    | 22.6 | 23.4 | 23.3 | 23.5  | 23.4 | 22.6 | 21.5  | 20.7  | 18.9  | 16.8  | 14.5  | 12.2  | -          | -     | 56                                                                                  |
| 64                                                                                           |                                                                                   | -                                                                                                     | -    | 17.5 | 18.1 | 18.5 | 18.4  | 18.2 | 17.5 | 16.7  | 16.2  | 14.5  | 12.5  | 10.3  | 8.0   | -          | -     | 64                                                                                  |
| 72                                                                                           |                                                                                   | -                                                                                                     | -    | -    | 14.2 | 14.6 | 14.4  | 14.2 | 13.5 | 12.7  | 12.4  | 10.9  | 8.9   | 6.9   | 4.9   | -          | -     | 72                                                                                  |
| 80                                                                                           |                                                                                   | -                                                                                                     | -    | -    | -    | 11.5 | 11.3  | 11.1 | 10.4 | 9.5   | 9.5   | 8.2   | 6.5   | 4.5   | -     | -          | -     | 80                                                                                  |
| 88                                                                                           |                                                                                   | -                                                                                                     | -    | -    | -    | 9.2  | 9.0   | 8.8  | 8.1  | 7.2   | 7.2   | 6.0   | 4.2   | -     | -     | -          | -     | 88                                                                                  |
| 96                                                                                           |                                                                                   | -                                                                                                     | -    | -    | -    | -    | 7.0   | 6.7  | 6.1  | 5.3   | 5.3   | 4.2   | -     | -     | -     | -          | -     | 96                                                                                  |
| 104                                                                                          |                                                                                   | -                                                                                                     | -    | -    | -    | -    | 5.5   | 5.0  | 4.4  | 3.7   | 3.7   | 2.8   | -     | -     | -     | -          | -     | 104                                                                                 |
| 112                                                                                          |                                                                                   | -                                                                                                     | -    | -    | -    | -    | -     | 3.9  | 3.0  | -     | -     | -     | -     | -     | -     | -          | -     | 112                                                                                 |
| 1)                                                                                           |                                                                                   | 39.0                                                                                                  | 24.3 | 16.8 | 11.5 | 8.2  | 5.1   | 2.9  | -    | -     | -     | -     | -     | -     | -     | -          | -     | 1)                                                                                  |

1) Capacities with horizontal boom



|  8,200 lbs |                                                                                   |  26.70 ft x 24.60 ft |      |      |      |      |       |      | 360° |       |       |       |       |       |       | ASME B30.5 |       |                                                                                     |
|---------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|------|------|------|------|-------|------|------|-------|-------|-------|-------|-------|-------|------------|-------|-------------------------------------------------------------------------------------|
|            |  | 40.7                                                                                                  | 54.1 | 67.6 | 81.0 | 94.5 | 107.9 | (ft) |      | 121.4 | 134.8 | 148.3 | 161.4 | 174.9 | 188.6 | 202.1      | 223.1 |  |
| ft                                                                                          | 1,000 lbs                                                                         |                                                                                                       |      |      |      |      |       |      |      |       |       |       |       |       |       |            | ft    |                                                                                     |
| 10                                                                                          | 82.5                                                                              | 82.5                                                                                                  | 82.5 | -    | -    | -    | -     | -    | -    | -     | -     | -     | -     | -     | -     | -          | -     | 10                                                                                  |
| 12                                                                                          | 82.5                                                                              | 82.5                                                                                                  | 82.5 | 82.5 | -    | -    | -     | -    | -    | -     | -     | -     | -     | -     | -     | -          | -     | 12                                                                                  |
| 14                                                                                          | 82.5                                                                              | 82.5                                                                                                  | 82.5 | 82.5 | -    | -    | -     | -    | -    | -     | -     | -     | -     | -     | -     | -          | -     | 14                                                                                  |
| 16                                                                                          | 82.5                                                                              | 82.5                                                                                                  | 82.5 | 82.5 | 82.5 | -    | -     | -    | -    | -     | -     | -     | -     | -     | -     | -          | -     | 16                                                                                  |
| 18                                                                                          | 82.5                                                                              | 82.5                                                                                                  | 82.5 | 82.5 | 82.5 | -    | -     | -    | -    | -     | -     | -     | -     | -     | -     | -          | -     | 18                                                                                  |
| 20                                                                                          | 82.5                                                                              | 82.5                                                                                                  | 82.5 | 82.5 | 82.3 | 82.1 | -     | -    | -    | -     | -     | -     | -     | -     | -     | -          | -     | 20                                                                                  |
| 24                                                                                          | 80.4                                                                              | 81.8                                                                                                  | 80.8 | 79.1 | 77.4 | 74.0 | 68.1  | -    | -    | -     | -     | -     | -     | -     | -     | -          | -     | 24                                                                                  |
| 28                                                                                          | 66.8                                                                              | 70.7                                                                                                  | 69.9 | 67.9 | 64.1 | 59.2 | 55.1  | 51.9 | -    | -     | -     | -     | -     | -     | -     | -          | -     | 28                                                                                  |
| 32                                                                                          | 49.7                                                                              | 53.4                                                                                                  | 56.2 | 55.9 | 52.2 | 49.6 | 47.3  | 44.5 | 40.7 | -     | -     | -     | -     | -     | -     | -          | -     | 32                                                                                  |
| 36                                                                                          | -                                                                                 | 44.0                                                                                                  | 45.7 | 45.9 | 43.7 | 43.4 | 39.9  | 38.6 | 35.8 | 33.4  | -     | -     | -     | -     | -     | -          | -     | 36                                                                                  |
| 40                                                                                          | -                                                                                 | 35.0                                                                                                  | 36.8 | 36.8 | 38.3 | 36.6 | 35.7  | 34.3 | 32.4 | 29.8  | 27.5  | -     | -     | -     | -     | -          | -     | 40                                                                                  |
| 48                                                                                          | -                                                                                 | -                                                                                                     | 27.0 | 27.9 | 27.5 | 27.9 | 27.6  | 25.9 | 24.3 | 23.5  | 21.5  | 19.3  | 16.8  | -     | -     | -          | -     | 48                                                                                  |
| 56                                                                                          | -                                                                                 | -                                                                                                     | 20.0 | 20.8 | 21.1 | 21.2 | 21.0  | 19.9 | 18.6 | 17.9  | 16.2  | 14.1  | 11.8  | 9.5   | -     | -          | -     | 56                                                                                  |
| 64                                                                                          | -                                                                                 | -                                                                                                     | 15.0 | 15.9 | 16.5 | 16.3 | 15.9  | 15.2 | 14.3 | 13.6  | 12.0  | 10.0  | 7.8   | 5.6   | -     | -          | -     | 64                                                                                  |
| 72                                                                                          | -                                                                                 | -                                                                                                     | -    | 12.0 | 12.6 | 12.4 | 12.2  | 11.5 | 10.7 | 10.2  | 8.7   | 6.9   | 4.7   | 2.7   | -     | -          | -     | 72                                                                                  |
| 80                                                                                          | -                                                                                 | -                                                                                                     | -    | -    | 9.8  | 9.5  | 9.3   | 8.7  | 7.8  | 7.6   | 6.3   | 4.5   | -     | -     | -     | -          | -     | 80                                                                                  |
| 88                                                                                          | -                                                                                 | -                                                                                                     | -    | -    | 7.7  | 7.3  | 7.1   | 6.4  | 5.7  | 5.6   | 4.2   | -     | -     | -     | -     | -          | -     | 88                                                                                  |
| 96                                                                                          | -                                                                                 | -                                                                                                     | -    | -    | -    | 5.6  | 5.3   | 4.7  | 3.8  | 3.9   | -     | -     | -     | -     | -     | -          | -     | 96                                                                                  |
| 104                                                                                         | -                                                                                 | -                                                                                                     | -    | -    | -    | 4.1  | 3.9   | 3.1  | -    | 2.4   | -     | -     | -     | -     | -     | -          | -     | 104                                                                                 |
| 1)                                                                                          | 34.8                                                                              | 21.4                                                                                                  | 14.6 | 9.7  | 6.6  | 4.0  | -     | -    | -    | -     | -     | -     | -     | -     | -     | -          | -     | 1)                                                                                  |

1) Capacities with horizontal boom

# Notes to Lifting Capacity

Ratings are in compliance with ASME B30.5.

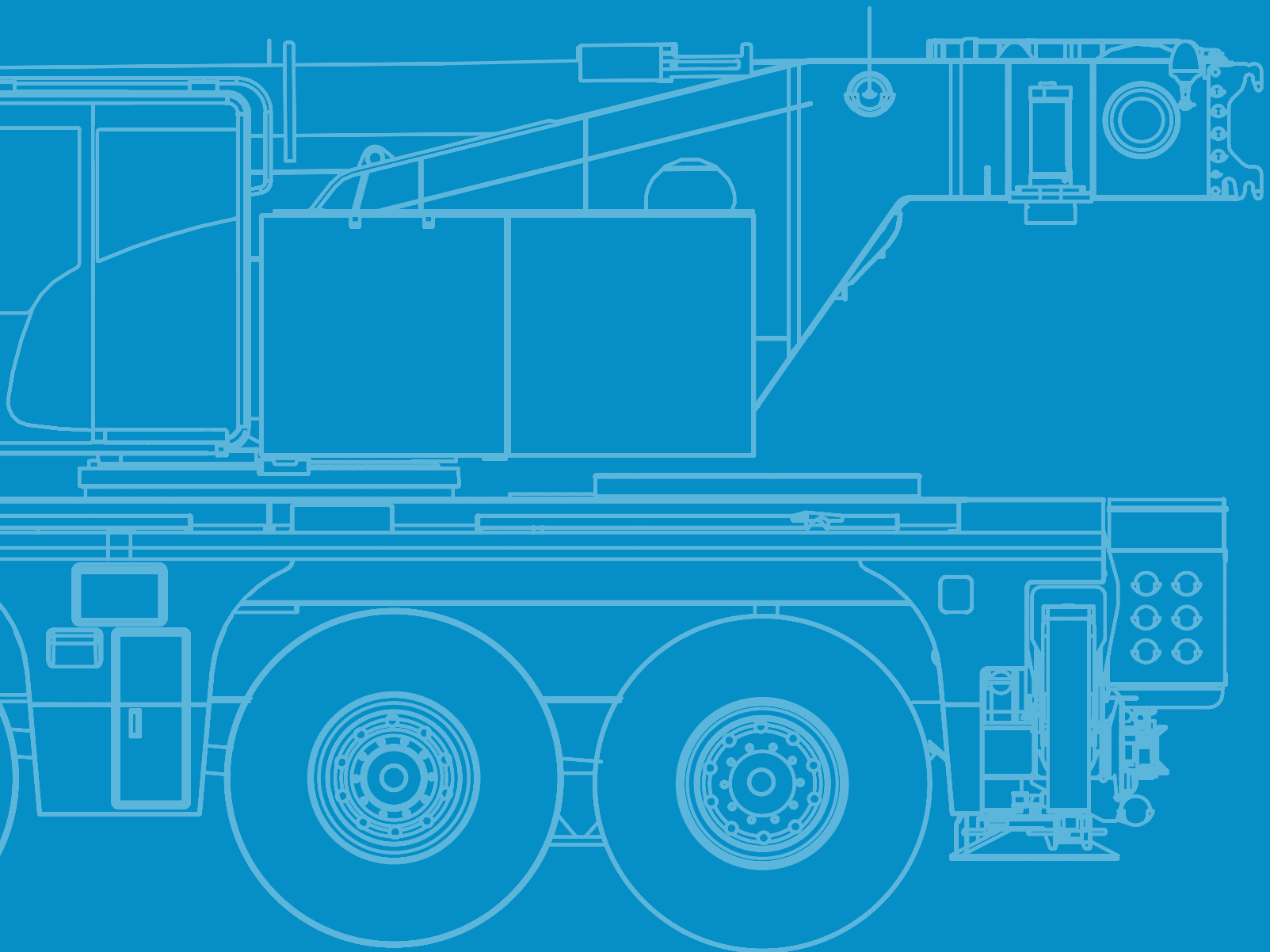
Lifting capacities do not exceed 85 % of tipping load.

Weight of hook blocks and slings is part of the load, and is to be deducted from the capacity ratings.

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.

# TECHNICAL DESCRIPTION



# Technical Description

## Basic machine

### Equipment carrier

|                                      |                                                                                                                                                                                                                                                                                                                          |
|--------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Engine 405-5</b>                  | Scania DC13; Diesel engine; 405 kW / 2100 1/min (550 HP), torque 2476 Nm / 1400 1/min; The engine complies with EU Stage V; Exhaust system complete stainless steel.                                                                                                                                                     |
| <b>Fuel tank</b>                     | 127 gallons Diesel (no RME / biodiesel); 16 gallons AdBlue tank.                                                                                                                                                                                                                                                         |
| <b>Transmission ZF TraXon</b>        | 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>             | All 5 axles steered, axles 2, 4, 5 are driven and dispose of a selectable transverse lock; Axle 4 with selectable longitudinal lock.                                                                                                                                                                                     |
| <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</b>                         | Tires size 385/95 R25 (14.00R25); Steel rim 9,5-25/1,7“.                                                                                                                                                                                                                                                                 |
| <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; Heating engine-dependent; Aircondition. |
| <b>Drive lights</b>                  | Including low beam, upper beam, daytime running lights, fog lights and cornering lights.                                                                                                                                                                                                                                 |
| <b>Central lubrication</b>           | Automatic central lubrication system for the lubricating points at the carrier.                                                                                                                                                                                                                                          |
| <b>Outriggers</b>                    | H-4-point design; Vertical and horizontal movement fully hydraulic; Manual or automatic levelling alternatively; 3 outrigger bases: 8.3 ft, 17.4 ft, 24.6 ft.<br>4 round polyamide outrigger pads A = 1.25 ft² 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 tire filling plug</b>   | For self-inflating of the wheels.                                                                                                                                                                                                                                                                                        |

### Equipment superstructure

|                                 |                                                                                                                                                                                                                                                                                                                                                          |
|---------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Telescopic boom HA68</b>     | 40.7 ft - 223.1 ft; Single cylinder telescoping system, automatic telescoping; Attachments for all equipment and extensions; 4 sheaves integrated in boom head for max. capacity of 168,900 lbs.                                                                                                                                                         |
| <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; Different operating modes selectable.                                                                                                                                                                                                                                                      |
| <b>H1</b>                       | Hoist with spring-loaded multi-disc brake; Resolver (hoist rotation indicator); Incl. hoist monitoring.                                                                                                                                                                                                                                                  |
| <b>Counterweight 71,900 lbs</b> | 6 pieces (①-⑥); 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>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, Tadano telematic system.                                                                                                                                                                                                                                                                                                                    |
| <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; Heating engine-independent; Aircondition.                                                                                                    |
| <b>Central lubrication</b>      | Automatic central lubrication system for the lubricating points at the superstructure.                                                                                                                                                                                                                                                                   |

# Technical Description

## Additional 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>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>    | All 5 axles steered, axles 1, 2, 4, 5 are driven and dispose of a selectable transverse lock; Axles 2 and 4 with selectable longitudinal lock.                                        |
| <b>Additional fuel tank</b> | 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 244,800 lbs.                      |
| <b>2. hoist (H2)</b>                       | Spring-loaded multi-disc brake; Integrated resolver (hoist rotation indicator); Incl. quick couplings and transport rack. |
| <b>Additional counterweight 29,600 lbs</b> | 2 pieces (⑦); For total 101,400 lbs, 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. |
|-----------------------|------------------------------------------------------------------|

### Extensions

|                        |                                                                                                                                                                                                                                                                    |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>HAV 37.4 ft</b>     | Lattice swing-away jib, manually offsettable 20°/40°; 1-sheaved head; Incl. transport storage.                                                                                                                                                                     |
| <b>HAV 68.9 ft</b>     | Double folding swing-away jib, manually offsettable 20°/40°; 1-sheaved head; Incl. transport storage; Includes HAV 37.4 ft.                                                                                                                                        |
| <b>HAV-VA 88.6 ft</b>  | Variable extension; Single piece, 19.7 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 37.4 ft and HAV 68.9 ft.                 |
| <b>HAV-VA 108.3 ft</b> | 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 37.4 ft, HAV 68.9 ft and HAV-VA 76.8 ft. |
| <b>HAV-HY</b>          | Hydraulic offset 0°-40° instead of manual offset 20°/40°; Available for HAV 37.4 ft, HAV 68.9 ft, HAV-VA 88.6 ft, HAV-VA 108.3 ft.                                                                                                                                 |
| <b>MS (runner)</b>     | 5.25 ft; Fixed angle runner; 2 sheaves, for max. 86,200 lbs lifting capacity; Incl. transport storage at the left side of main boom; Not transportable within 9 ft crane width.                                                                                    |

### Hook Blocks

|                                          |                                                                                   |
|------------------------------------------|-----------------------------------------------------------------------------------|
| <b>Hook block 352,800 lbs, 7-sheaves</b> | Max. capacity 248,300 lbs; 3,660 lbs; Double hook, red with white signal stripes. |
| <b>Hook block 275,600 lbs, 5-sheaves</b> | Max. capacity 209,000 lbs; 2,490 lbs; Double hook, red with white signal stripes. |
| <b>Hook block 176,400 lbs, 3-sheaves</b> | Max. capacity 148,400 lbs; 1,870 lbs; Double hook, red with white signal stripes. |
| <b>Hook block 70,600 lbs, 1-sheave</b>   | Max. capacity 64,800 lbs; 1,390 lbs; Double hook, red with white signal stripes.  |
| <b>Hook 26,500 lbs</b>                   | Max. capacity 21,800 lbs; 770 lbs; Single hook, red.                              |

Further additional equipment on request!

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

## Notes

## Notes

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